

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112822\  
 Data File : VX033101.D  
 Acq On : 28 Nov 2022 20:05  
 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/29/2022  
 Supervised By : Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 03:46:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon     | Response | Conc    | Units   | Dev(Min) |
|------------------------------|--------|----------|----------|---------|---------|----------|
| -----                        |        |          |          |         |         |          |
| Internal Standards           |        |          |          |         |         |          |
| 1) Bromochloromethane        | 4.903  | 128      | 11023    | 30.000  | ug/l    | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.763  | 114      | 75870    | 30.000  | ug/l    | 0.00     |
| 57) Chlorobenzene-d5         | 10.055 | 117      | 83521    | 30.000  | ug/l    | 0.00     |
|                              |        |          |          |         |         |          |
| System Monitoring Compounds  |        |          |          |         |         |          |
| 27) 1,2-Dichloroethane-d4    | 5.958  | 65       | 31853    | 29.953  | ug/l    | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 110 | Recovery | =       | 99.833% |          |
| 60) 4-Bromofluorobenzene     | 11.079 | 95       | 46105    | 28.858  | ug/l    | 0.00     |
| Spiked Amount 30.000         | Range  | 63 - 112 | Recovery | =       | 96.200% |          |
| 63) Toluene-d8               | 8.647  | 98       | 83093    | 29.480  | ug/l    | 0.00     |
| Spiked Amount 30.000         | Range  | 91 - 112 | Recovery | =       | 98.267% |          |
|                              |        |          |          |         |         |          |
| Target Compounds             |        |          |          |         |         |          |
|                              |        |          |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85       | 19208    | 19.689  | ug/l    | 96       |
| 3) Chloromethane             | 1.294  | 50       | 20057    | 20.718  | ug/l    | 96       |
| 4) Vinyl Chloride            | 1.374  | 62       | 22599    | 20.645  | ug/l    | 99       |
| 5) Bromomethane              | 1.617  | 94       | 14309    | 14.724  | ug/l    | 99       |
| 6) Chloroethane              | 1.691  | 64       | 16650    | 19.257  | ug/l    | 94       |
| 7) Trichlorofluoromethane    | 1.892  | 101      | 46279    | 21.932  | ug/l    | 99       |
| 8) Diethyl Ether             | 2.130  | 74       | 14949    | 21.911  | ug/l    | 75       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101      | 23538    | 20.970  | ug/l    | 96       |
| 10) 1,1-Dichloroethene       | 2.325  | 96       | 22312    | 20.807  | ug/l    | 93       |
| 11) Methyl Iodide            | 2.453  | 142      | 22305    | 19.348  | ug/l    | 97       |
| 12) Methyl Acetate           | 2.709  | 43       | 33153    | 20.871  | ug/l #  | 88       |
| 13) Acrolein                 | 2.239  | 56       | 22180    | 104.710 | ug/l    | 99       |
| 14) Acrylonitrile            | 3.068  | 53       | 57799    | 101.502 | ug/l    | 98       |
| 15) Acetone                  | 2.398  | 58       | 15546    | 104.989 | ug/l #  | 68       |
| 16) Carbon Disulfide         | 2.514  | 76       | 57098    | 21.390  | ug/l    | 99       |
| 17) Allyl chloride           | 2.666  | 41       | 35529    | 20.852  | ug/l    | 90       |
| 18) Methylene Chloride       | 2.788  | 84       | 25076    | 20.277  | ug/l    | 92       |
| 19) trans-1,2-Dichloroethene | 3.093  | 96       | 23880    | 20.216  | ug/l #  | 77       |
| 20) Diisopropyl ether        | 3.757  | 45       | 78173    | 20.461  | ug/l #  | 96       |
| 21) 1,1-Dichloroethane       | 3.611  | 63       | 45046    | 21.003  | ug/l    | 94       |
| 22) cis-1,2-Dichloroethene   | 4.489  | 96       | 28456    | 20.632  | ug/l    | 87       |
| 23) tert-Butyl Alcohol       | 3.014  | 59       | 20214m   | 109.329 | ug/l    |          |
| 24) Methyl tert-Butyl Ether  | 3.111  | 73       | 79188    | 20.623  | ug/l    | 93       |
| 25) Chloroform               | 5.092  | 83       | 49817    | 20.825  | ug/l    | 97       |
| 26) Cyclohexane              | 5.470  | 56       | 38234    | 20.413  | ug/l #  | 83       |
| 29) 1,1-Dichloropropene      | 5.690  | 75       | 34626    | 20.578  | ug/l    | 96       |
| 30) 2-Butanone               | 4.568  | 43       | 81637    | 104.051 | ug/l    | 92       |
| 31) 2,2-Dichloropropane      | 4.483  | 77       | 34518    | 23.986  | ug/l    | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97       | 46089    | 21.775  | ug/l    | 94       |
| 33) Carbon Tetrachloride     | 5.678  | 117      | 39742    | 21.385  | ug/l    | 94       |
| 34) Benzene                  | 6.043  | 78       | 98560    | 20.789  | ug/l    | 96       |
| 35) Methacrylonitrile        | 4.922  | 41       | 17939    | 20.188  | ug/l    | 93       |
| 36) 1,2-Dichloroethane       | 6.092  | 62       | 41286    | 21.153  | ug/l #  | 92       |
| 37) Trichloroethene          | 7.129  | 130      | 27323    | 20.600  | ug/l    | 97       |
| 38) Methylcyclohexane        | 7.379  | 83       | 38307    | 20.319  | ug/l    | 88       |
| 39) 1,2-Dichloropropane      | 7.427  | 63       | 24524    | 20.435  | ug/l    | 94       |
| 40) Dibromomethane           | 7.580  | 93       | 19447    | 21.224  | ug/l    | 97       |
| 41) Bromodichloromethane     | 7.824  | 83       | 38179    | 21.861  | ug/l    | 99       |
| 42) Vinyl Acetate            | 3.721  | 43       | 313085   | 103.851 | ug/l #  | 91       |

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 Operator : JC/MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC

Manual Integrations  
 APPROVED

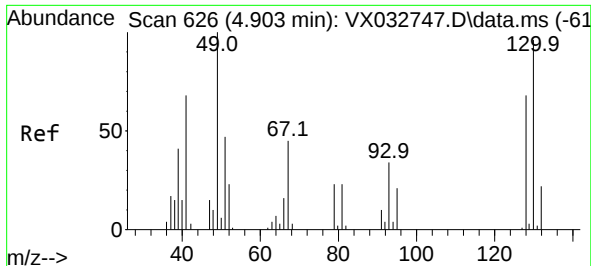
Reviewed By : John Carlone 11/29/2022  
 Supervised By : Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 03:46:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X111022W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Nov 11 05:24:06 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 43) Ethyl Acetate             | 4.714  | 43   | 33160    | 21.010  | ug/l  | #        | 89  |
| 44) Isopropyl Acetate         | 6.342  | 43   | 53082    | 20.069  | ug/l  |          | 95  |
| 45) 1,4-Dioxane               | 7.714  | 88   | 12176    | 479.273 | ug/l  | #        | 80  |
| 46) Methyl methacrylate       | 7.696  | 41   | 26906    | 20.207  | ug/l  |          | 88  |
| 47) n-amyl Acetate            | 10.841 | 43   | 44331    | 18.854  | ug/l  |          | 96  |
| 48) t-1,3-Dichloropropene     | 8.976  | 75   | 37929    | 21.170  | ug/l  |          | 97  |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 41167    | 21.760  | ug/l  | #        | 89  |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 26215    | 20.809  | ug/l  |          | 96  |
| 51) Ethyl methacrylate        | 9.116  | 69   | 37718    | 20.047  | ug/l  |          | 79  |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 42793    | 20.777  | ug/l  |          | 99  |
| 53) Dibromochloromethane      | 9.518  | 129  | 30004    | 21.900  | ug/l  |          | 99  |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 28559    | 21.046  | ug/l  |          | 99  |
| 55) 2-Chloroethyl vinyl ether | 8.244  | 63   | 87292    | 96.006  | ug/l  |          | 94  |
| 56) Bromoform                 | 10.799 | 173  | 22091    | 22.521  | ug/l  |          | 99  |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 166685   | 101.949 | ug/l  | #        | 92  |
| 59) 2-Hexanone                | 9.433  | 43   | 125321   | 104.105 | ug/l  |          | 90  |
| 61) Tetrachloroethene         | 9.275  | 164  | 23756    | 20.352  | ug/l  |          | 95  |
| 62) Toluene                   | 8.720  | 91   | 111094   | 20.453  | ug/l  |          | 98  |
| 64) Chlorobenzene             | 10.079 | 112  | 67991    | 20.247  | ug/l  |          | 97  |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 27484    | 21.485  | ug/l  |          | 99  |
| 66) Ethyl Benzene             | 10.195 | 91   | 123674   | 20.296  | ug/l  |          | 98  |
| 67) m/p-Xylenes               | 10.299 | 106  | 97498    | 41.122  | ug/l  |          | 92  |
| 68) o-Xylene                  | 10.640 | 106  | 46827    | 20.128  | ug/l  |          | 89  |
| 69) Styrene                   | 10.659 | 104  | 77466    | 20.029  | ug/l  |          | 94  |
| 70) Isopropylbenzene          | 10.963 | 105  | 125105   | 20.138  | ug/l  |          | 97  |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 39400    | 20.913  | ug/l  |          | 98  |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 34717m   | 21.217  | ug/l  |          |     |
| 73) Bromobenzene              | 11.201 | 156  | 30700    | 20.342  | ug/l  |          | 89  |
| 74) n-propylbenzene           | 11.305 | 91   | 142860   | 20.239  | ug/l  |          | 94  |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 86420    | 20.222  | ug/l  |          | 93  |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 106324   | 20.245  | ug/l  |          | 96  |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 10375    | 20.779  | ug/l  |          | 88  |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 100614   | 20.438  | ug/l  |          | 92  |
| 79) tert-butylbenzene         | 11.713 | 119  | 103282   | 20.237  | ug/l  |          | 94  |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 104450   | 20.341  | ug/l  |          | 94  |
| 81) sec-Butylbenzene          | 11.890 | 105  | 124841   | 20.318  | ug/l  |          | 95  |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 105553   | 20.384  | ug/l  |          | 96  |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 56896    | 20.549  | ug/l  |          | 98  |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 57020    | 20.507  | ug/l  |          | 99  |
| 85) n-Butylbenzene            | 12.335 | 91   | 88188    | 20.093  | ug/l  |          | 94  |
| 86) Hexachloroethane          | 12.542 | 117  | 18708    | 22.007  | ug/l  |          | 98  |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 56451    | 20.509  | ug/l  |          | 97  |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 9228     | 23.087  | ug/l  | #        | 76  |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 33450    | 19.788  | ug/l  |          | 99  |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 14440    | 21.223  | ug/l  |          | 100 |
| 91) Naphthalene               | 13.774 | 128  | 115549   | 20.252  | ug/l  |          | 99  |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 33785    | 19.871  | ug/l  |          | 97  |

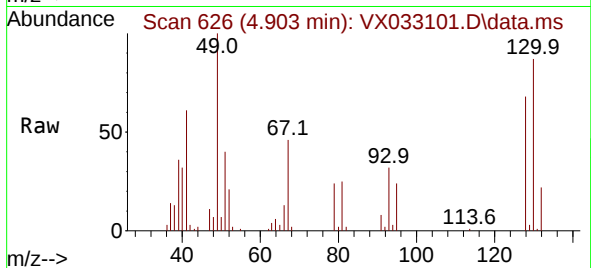
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.903 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

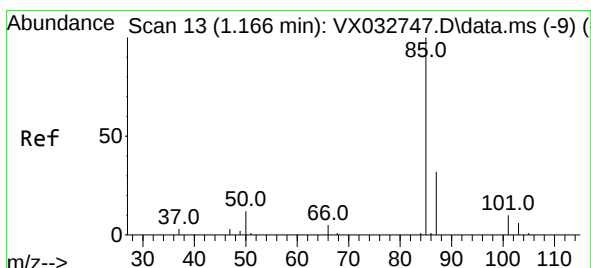
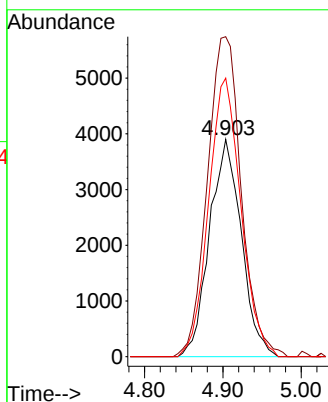
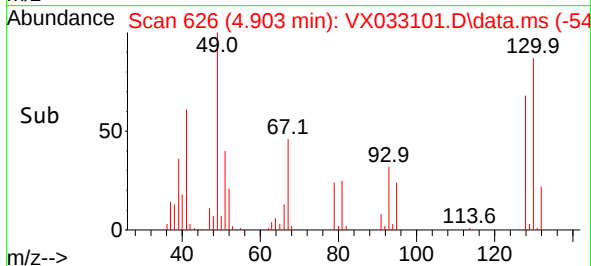
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:128 Resp: 1102  
Ion Ratio Lower Upper  
128 100  
49 156.8 0.0 293.0  
130 130.1 0.0 321.5

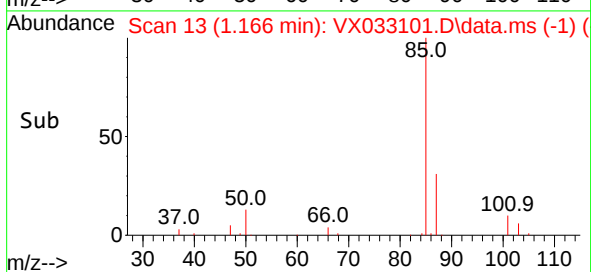
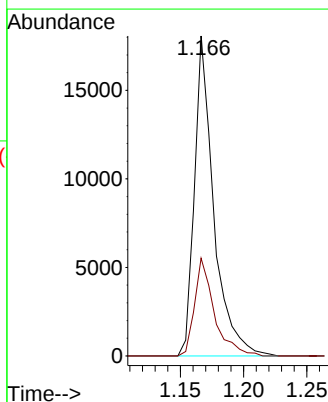
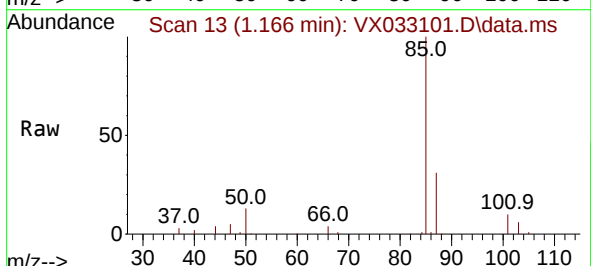
Manual Integrations  
APPROVED

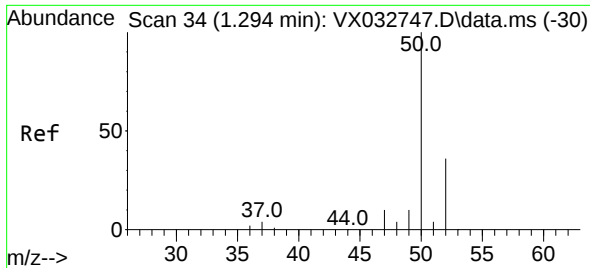
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#2  
Dichlorodifluoromethane  
Concen: 19.689 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

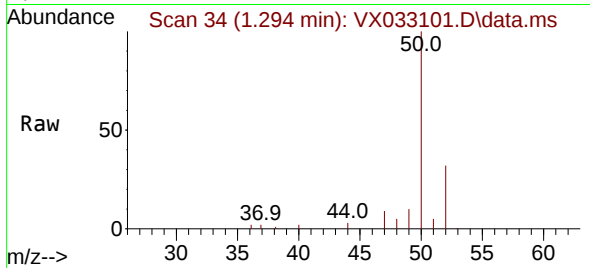
Tgt Ion: 85 Resp: 19208  
Ion Ratio Lower Upper  
85 100  
87 30.6 16.5 49.5





#3  
Chloromethane  
Concen: 20.718 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

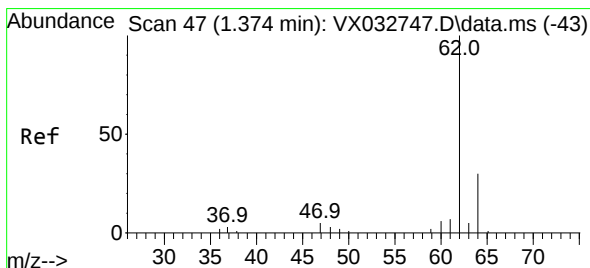
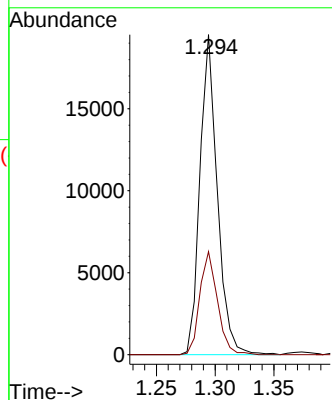
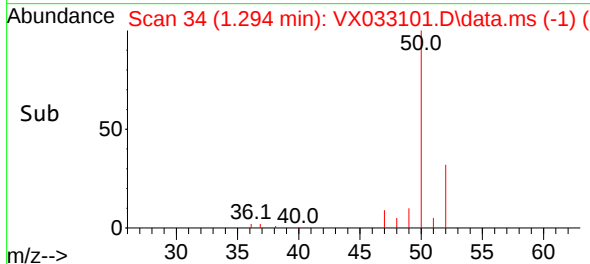
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



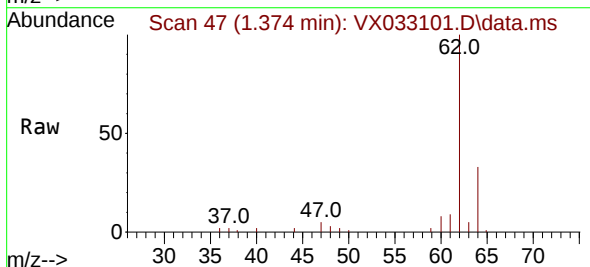
Tgt Ion: 50 Resp: 2005  
Ion Ratio Lower Upper  
50 100  
52 32.2 27.6 41.4

Manual Integrations  
APPROVED

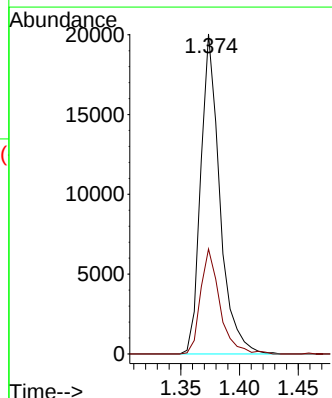
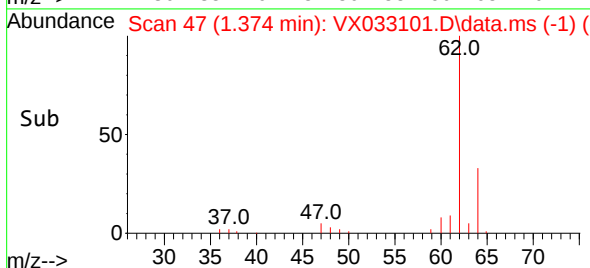
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

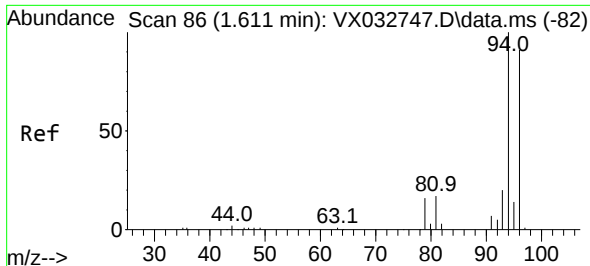


#4  
Vinyl Chloride  
Concen: 20.645 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



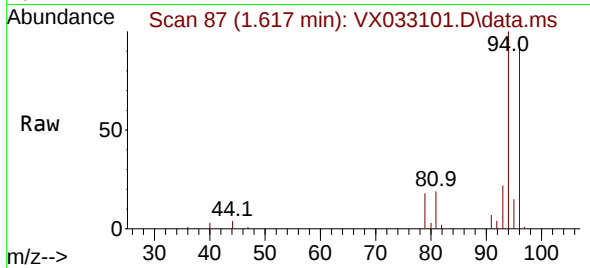
Tgt Ion: 62 Resp: 22599  
Ion Ratio Lower Upper  
62 100  
64 32.8 25.7 38.5





#5  
Bromomethane  
Concen: 14.724 ug/l  
RT: 1.617 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

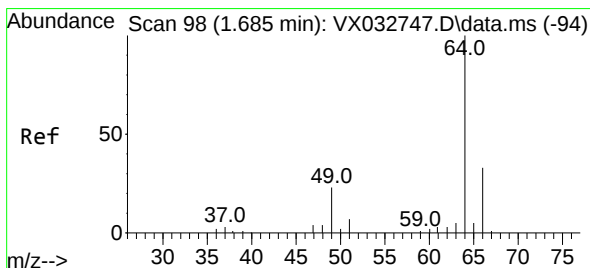
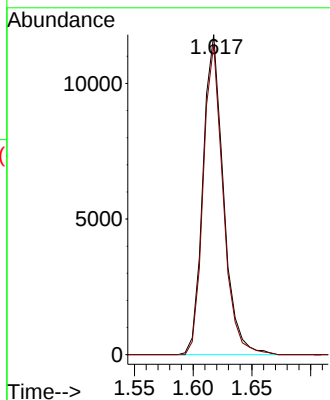
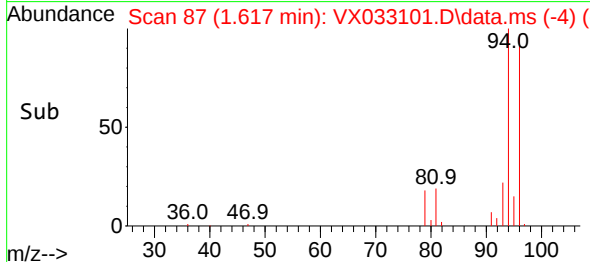
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 94 Resp: 14309  
Ion Ratio Lower Upper  
94 100  
96 97.0 76.8 115.2

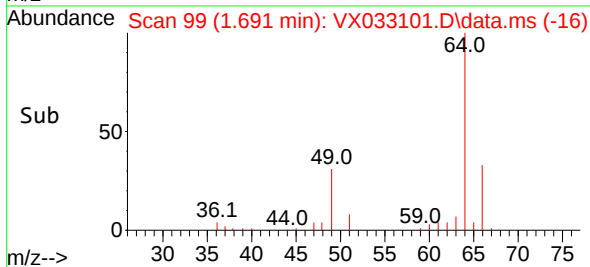
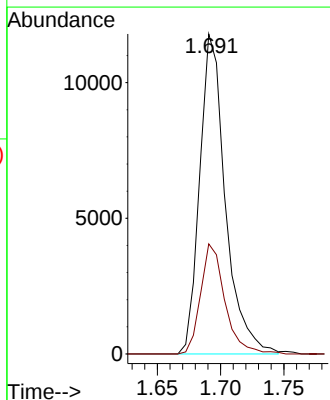
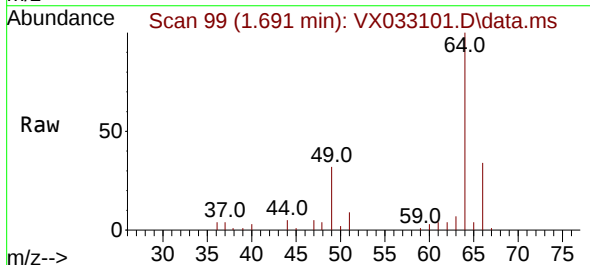
Manual Integrations  
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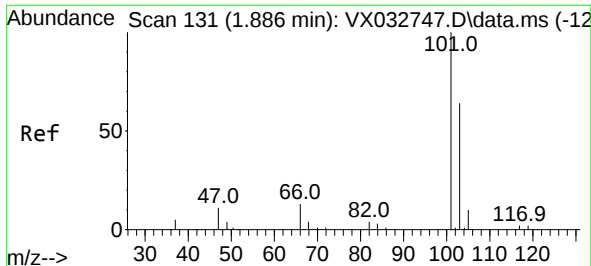
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#6  
Chloroethane  
Concen: 19.257 ug/l  
RT: 1.691 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 64 Resp: 16650  
Ion Ratio Lower Upper  
64 100  
66 34.4 30.6 46.0





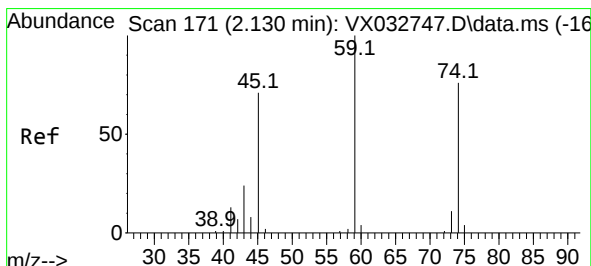
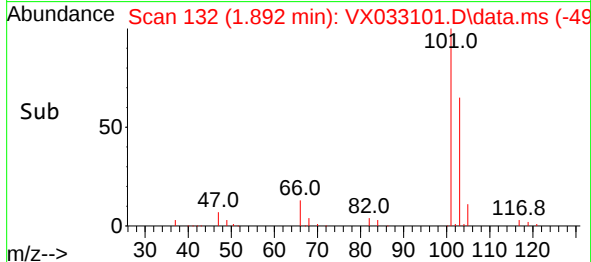
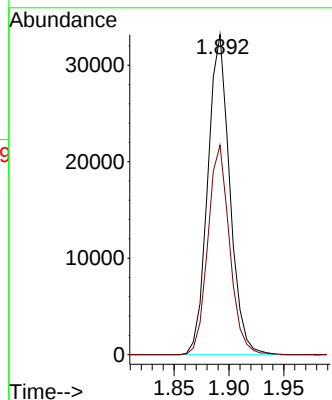
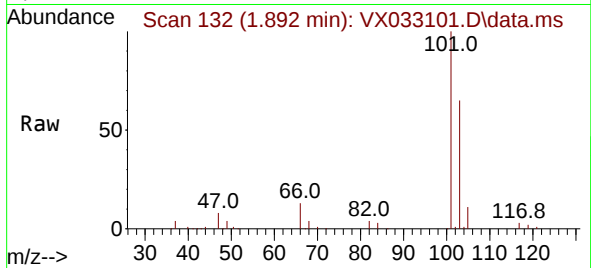
#7  
Trichlorofluoromethane  
Concen: 21.932 ug/l  
RT: 1.892 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 46279  
Ion Ratio Lower Upper  
101 100  
103 65.4 51.7 77.5

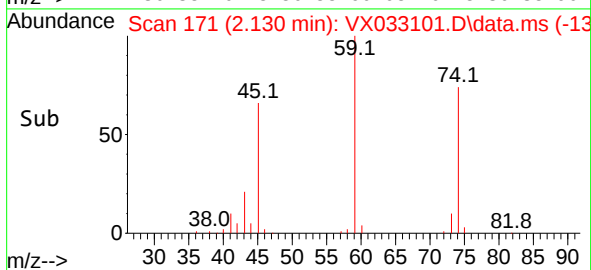
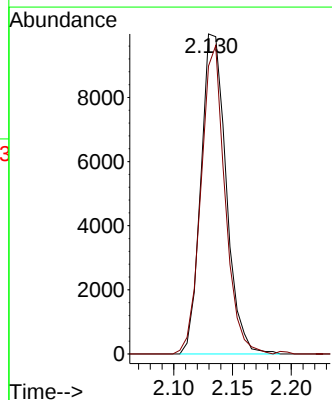
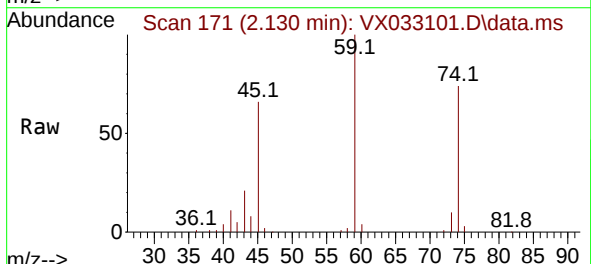
Manual Integrations  
APPROVED

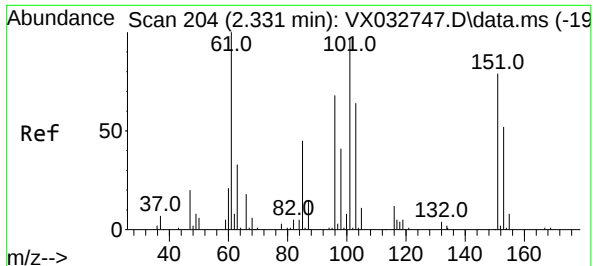
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#8  
Diethyl Ether  
Concen: 21.911 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 74 Resp: 14949  
Ion Ratio Lower Upper  
74 100  
45 91.6 14.2 127.8





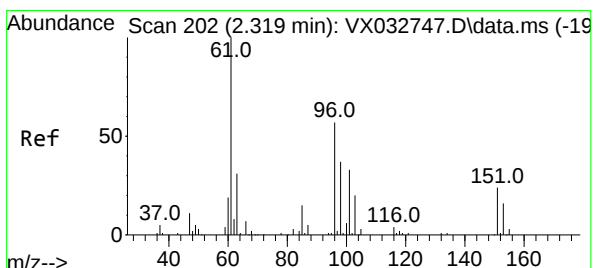
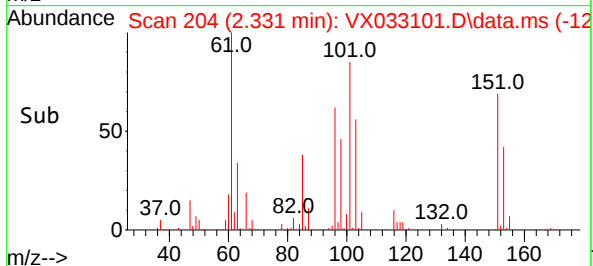
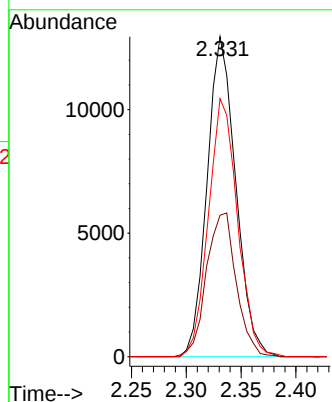
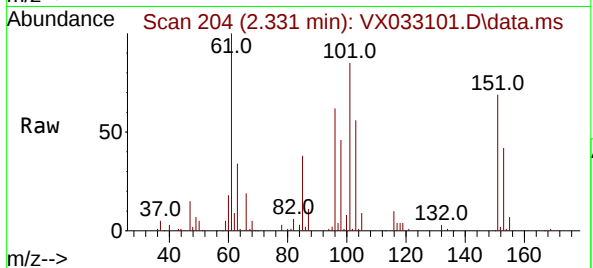
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.970 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:101 Resp: 23538  
Ion Ratio Lower Upper  
101 100  
85 46.7 0.0 88.8  
151 81.8 0.0 156.6

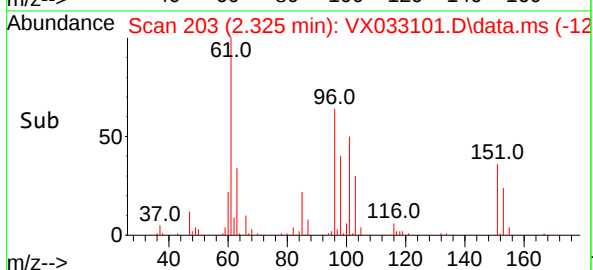
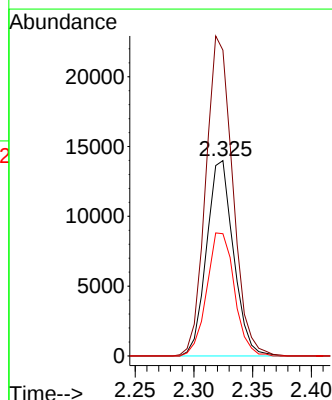
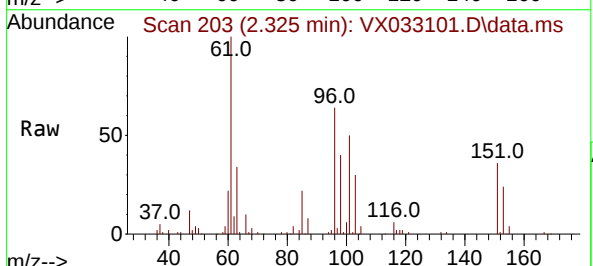
Manual Integrations  
APPROVED

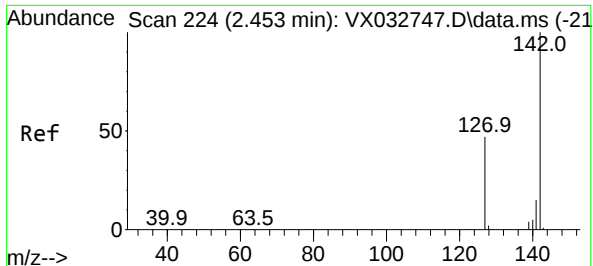
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#10  
1,1-Dichloroethene  
Concen: 20.807 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

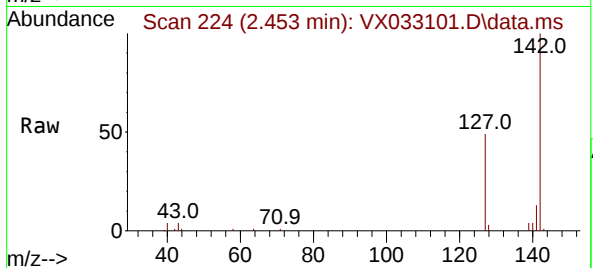
Tgt Ion: 96 Resp: 22312  
Ion Ratio Lower Upper  
96 100  
61 156.0 115.8 173.6  
98 62.6 49.7 74.5





#11  
Methyl Iodide  
Concen: 19.348 ug/l  
RT: 2.453 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

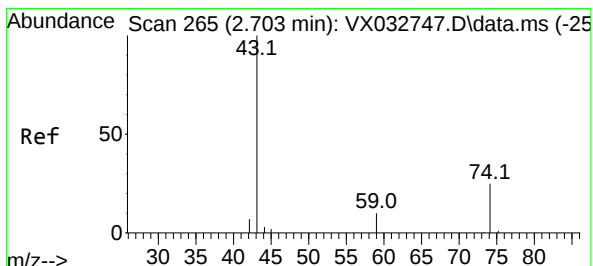
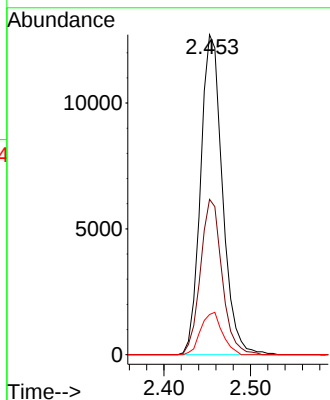
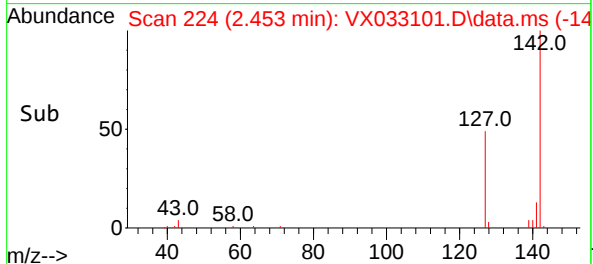
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



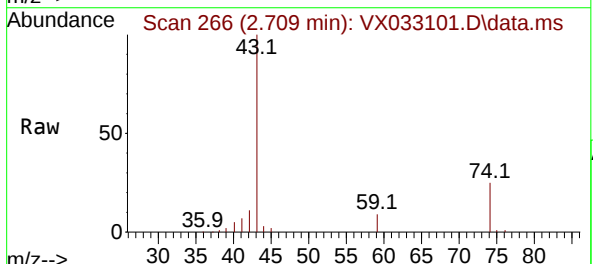
Tgt Ion:142 Resp: 2230  
Ion Ratio Lower Upper  
142 100  
127 48.6 23.8 71.2  
141 12.6 7.6 22.8

Manual Integrations  
APPROVED

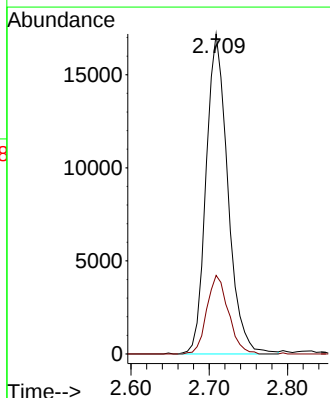
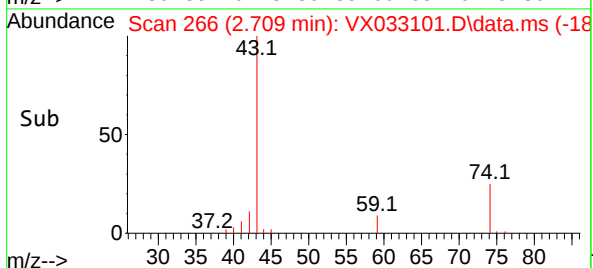
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

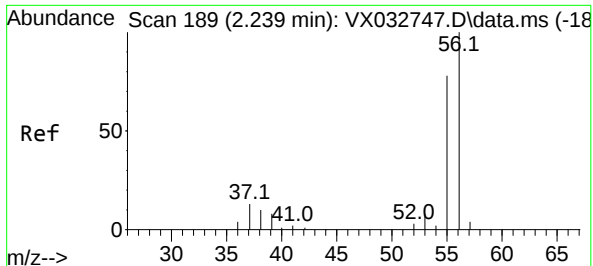


#12  
Methyl Acetate  
Concen: 20.871 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion: 43 Resp: 33153  
Ion Ratio Lower Upper  
43 100  
74 24.7 24.8 37.2#





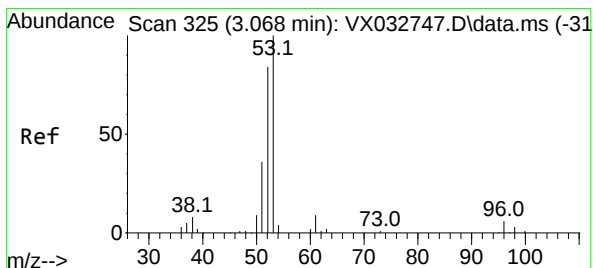
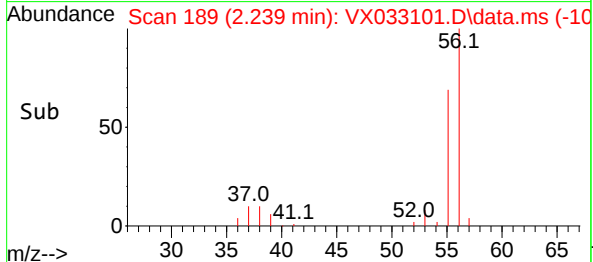
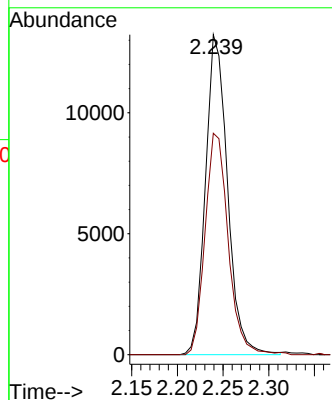
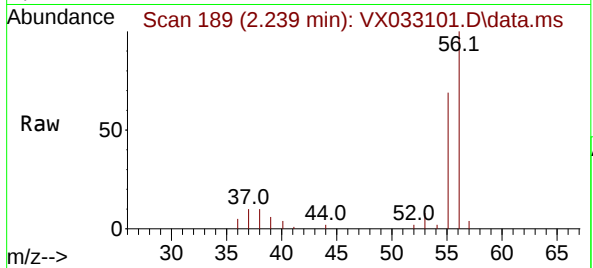
#13  
Acrolein  
Concen: 104.710 ug/l  
RT: 2.239 min Scan# 189  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 56 Resp: 22180  
Ion Ratio Lower Upper  
56 100  
55 72.5 58.4 87.6

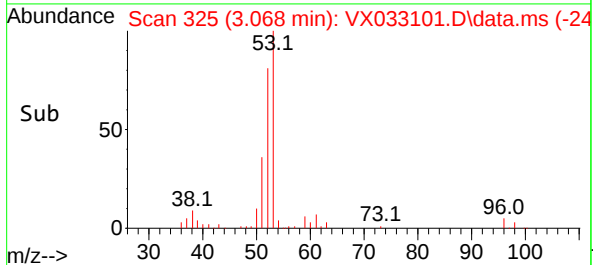
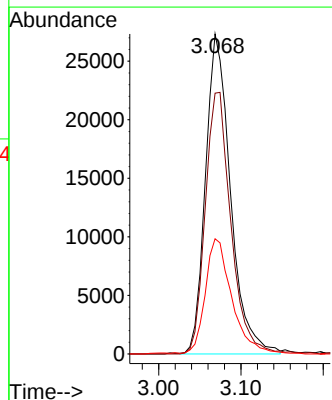
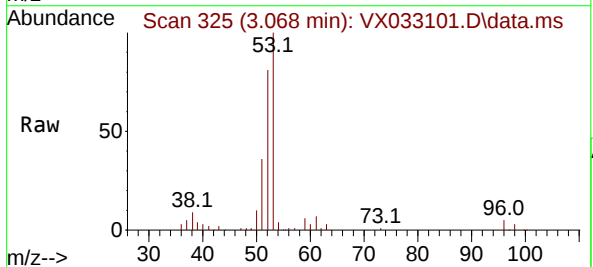
Manual Integrations  
APPROVED

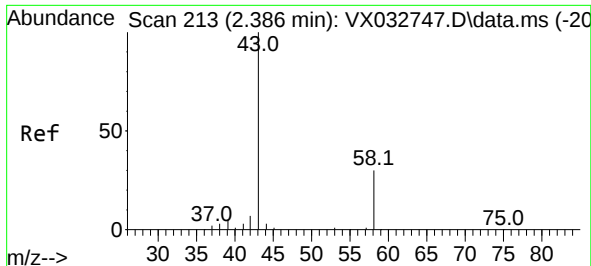
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#14  
Acrylonitrile  
Concen: 101.502 ug/l  
RT: 3.068 min Scan# 325  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 53 Resp: 57799  
Ion Ratio Lower Upper  
53 100  
52 83.9 41.5 124.5  
51 38.3 18.3 54.9





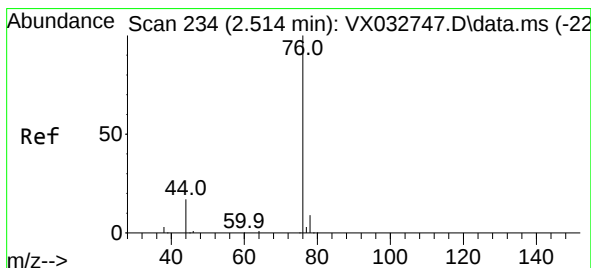
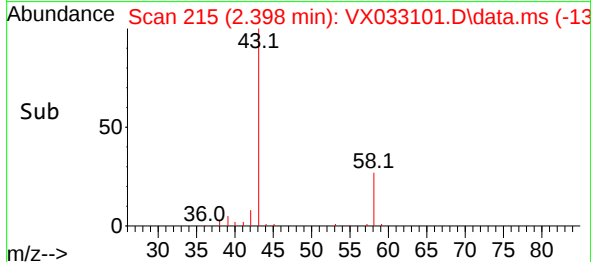
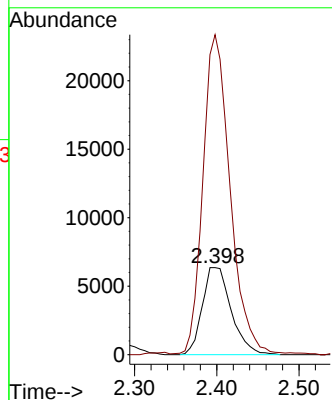
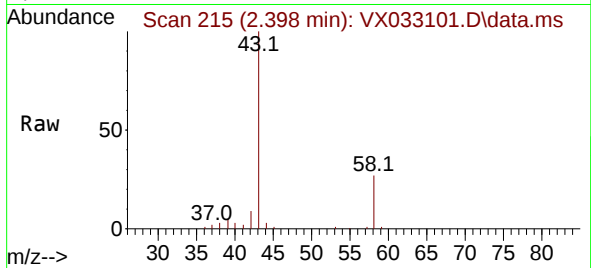
#15  
Acetone  
Concen: 104.989 ug/l  
RT: 2.398 min Scan# 213  
Delta R.T. 0.012 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 58 Resp: 15540  
Ion Ratio Lower Upper  
58 100  
43 365.8 242.6 364.0

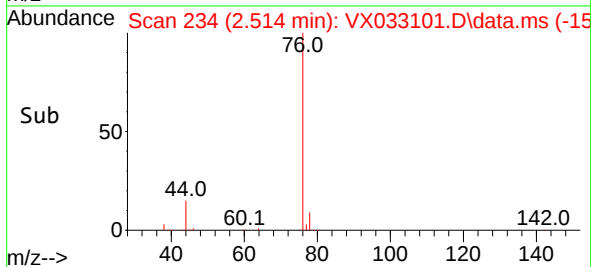
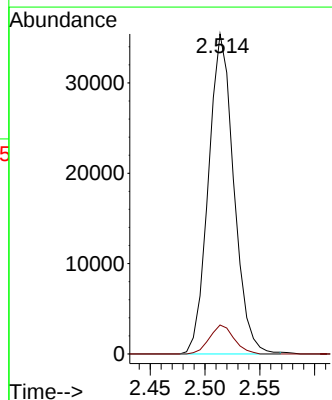
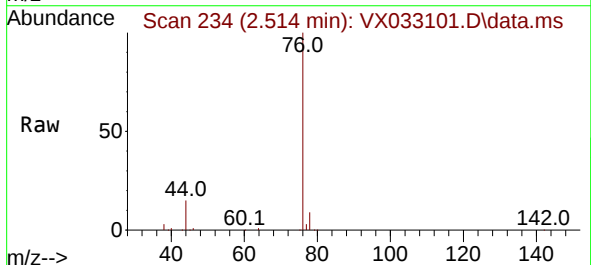
Manual Integrations  
APPROVED

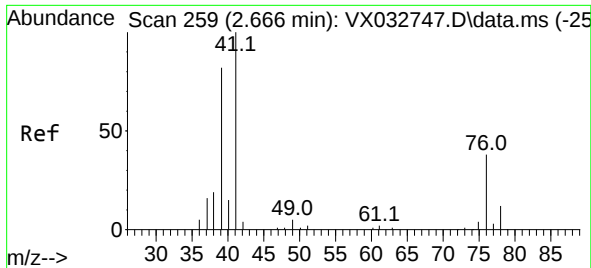
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#16  
Carbon Disulfide  
Concen: 21.390 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 76 Resp: 57098  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.5 11.3





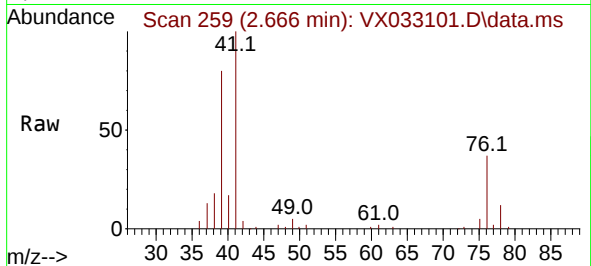
#17  
 Allyl chloride  
 Concen: 20.852 ug/l  
 RT: 2.666 min Scan# 259  
 Delta R.T. -0.000 min  
 Lab File: VX033101.D  
 Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

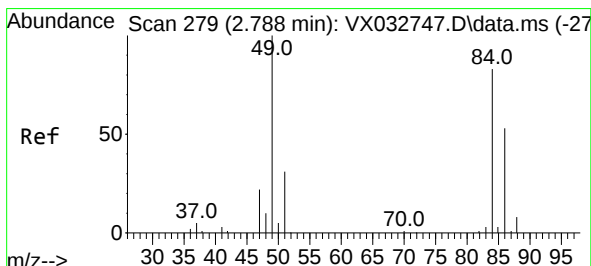
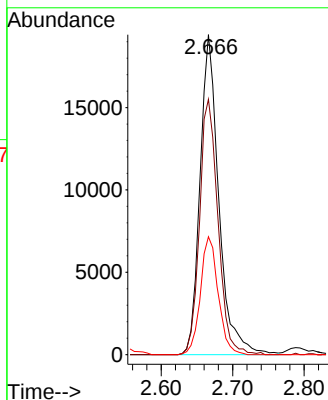
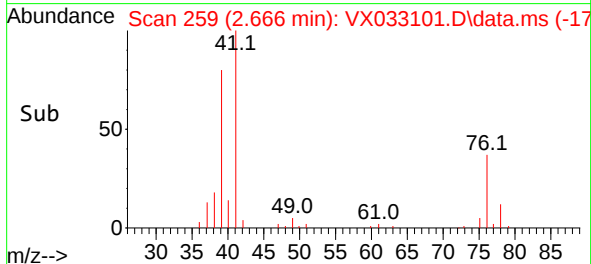


Tgt Ion: 41 Resp: 35529  
 Ion Ratio Lower Upper  
 41 100  
 39 79.8 37.0 111.0  
 76 36.9 23.8 71.5

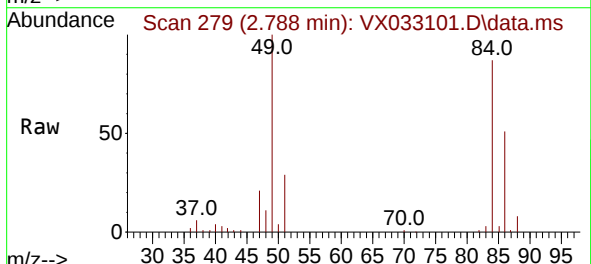
Manual Integrations

APPROVED

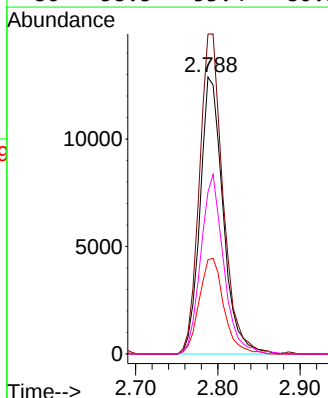
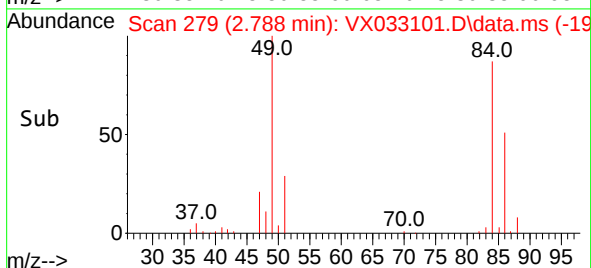
Reviewed By :John Carlone 11/29/2022  
 Supervised By :Mahesh Dadoda 11/29/2022

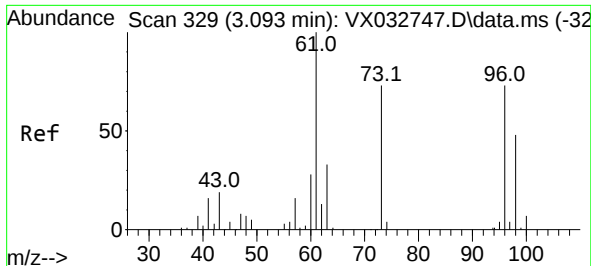


#18  
 Methylene Chloride  
 Concen: 20.277 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. -0.000 min  
 Lab File: VX033101.D  
 Acq: 28 Nov 2022 20:05



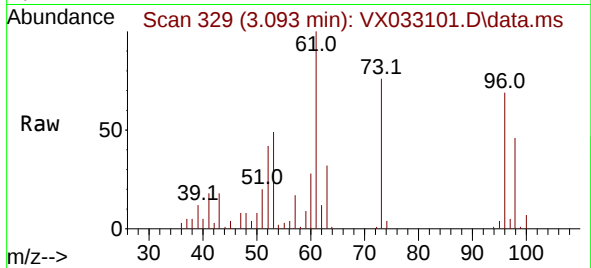
Tgt Ion: 84 Resp: 25076  
 Ion Ratio Lower Upper  
 84 100  
 49 115.5 84.6 127.0  
 51 34.0 26.5 39.7  
 86 58.5 53.4 80.2





#19  
trans-1,2-Dichloroethene  
Concen: 20.216 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

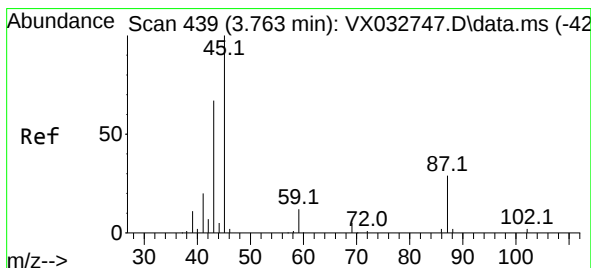
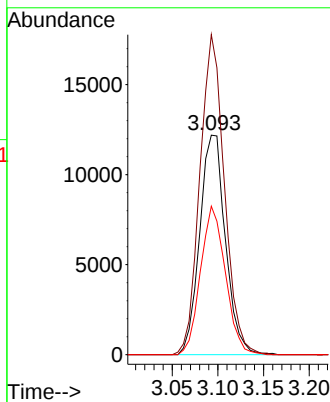
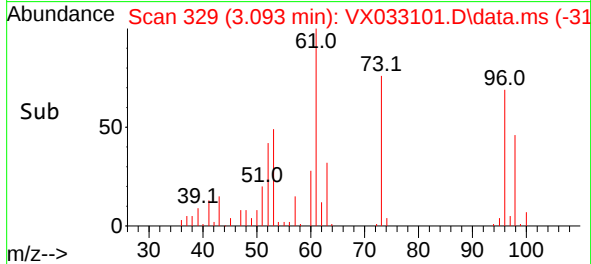
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



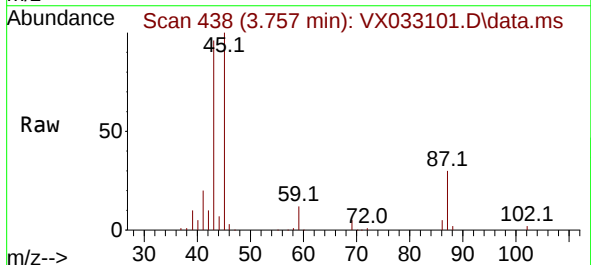
Tgt Ion: 96 Resp: 23880  
Ion Ratio Lower Upper  
96 100  
61 145.8 87.4 131.0  
98 67.6 51.5 77.3

Manual Integrations  
APPROVED

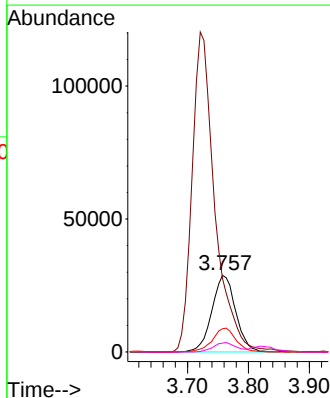
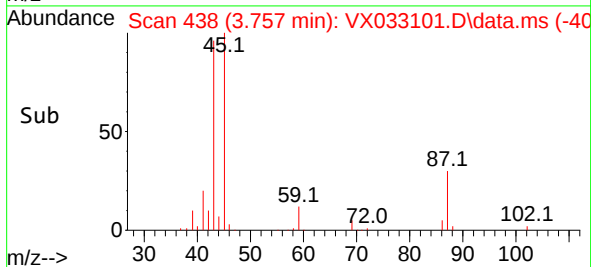
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

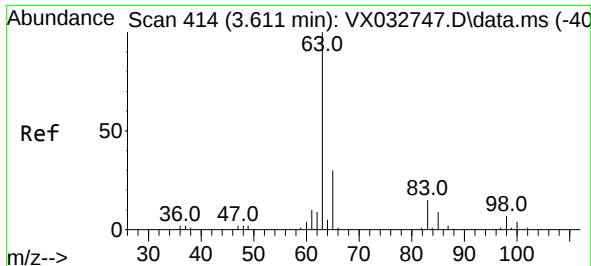


#20  
Diisopropyl ether  
Concen: 20.461 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion: 45 Resp: 78173  
Ion Ratio Lower Upper  
45 100  
43 93.8 74.5 111.7  
87 30.3 30.4 45.6  
59 11.5 10.7 16.1





#21

1,1-Dichloroethane

Concen: 21.003 ug/l

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 4504

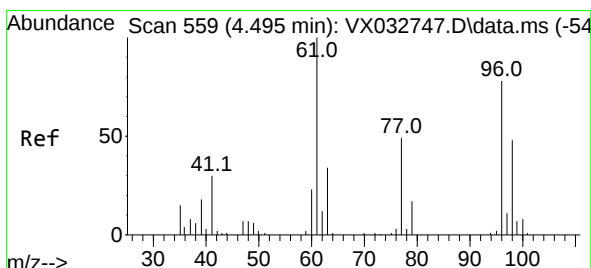
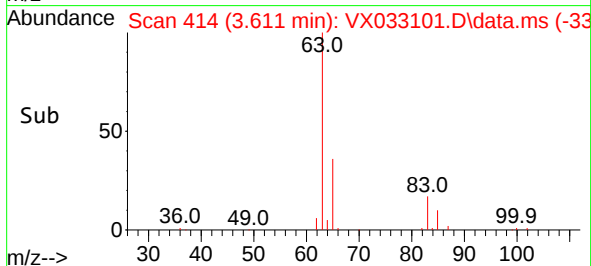
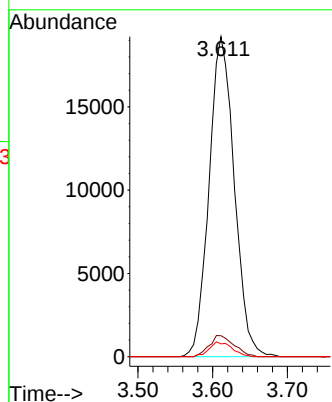
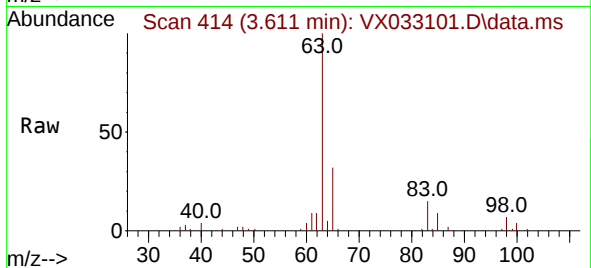
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 6.6   | 4.5   | 13.7  |
| 100 | 4.0   | 2.8   | 8.3   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#22

cis-1,2-Dichloroethene

Concen: 20.632 ug/l

RT: 4.489 min Scan# 558

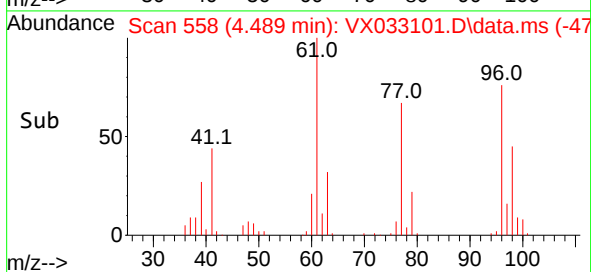
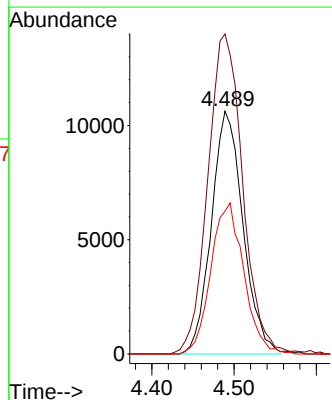
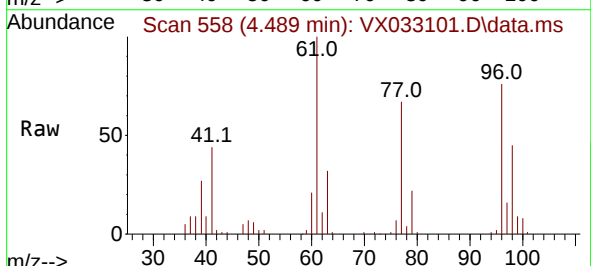
Delta R.T. -0.006 min

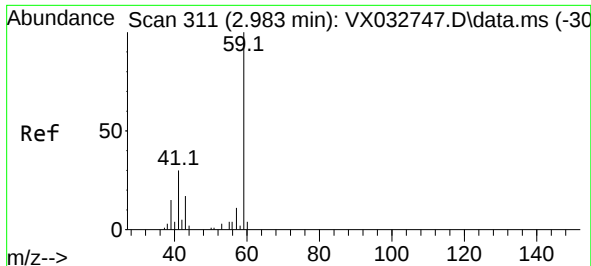
Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Tgt Ion: 96 Resp: 28456

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 144.7 | 98.0  | 147.0 |
| 98  | 64.5  | 52.2  | 78.4  |





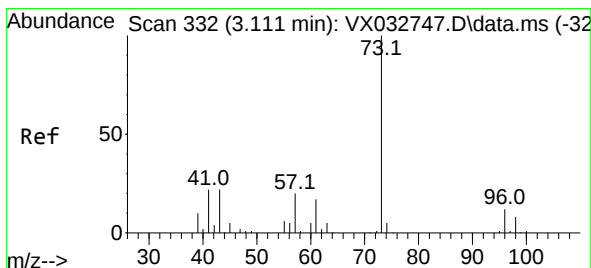
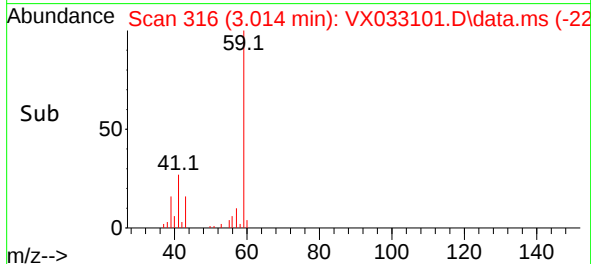
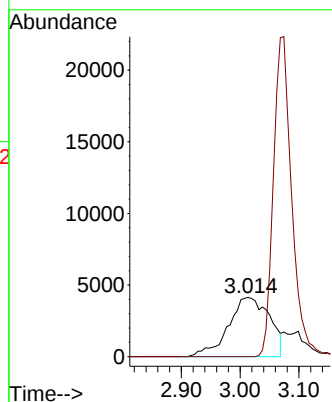
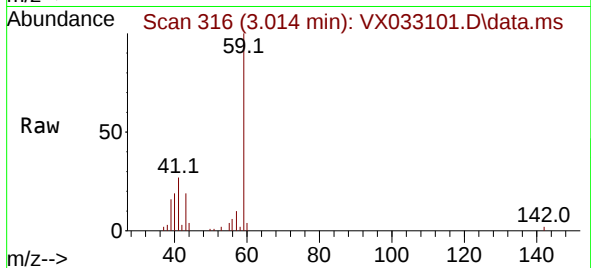
#23  
tert-Butyl Alcohol  
Concen: 109.329 ug/l m  
RT: 3.014 min Scan# 311  
Delta R.T. 0.030 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 59 Resp: 20214  
Ion Ratio Lower Upper  
59 100  
52 0.0 0.0 0.0

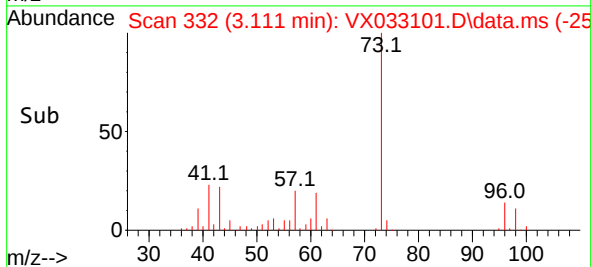
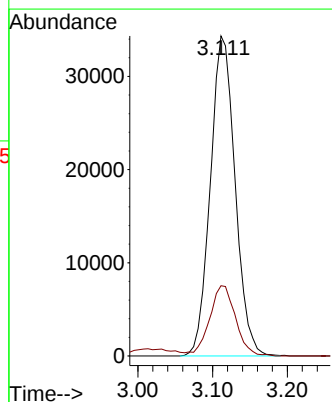
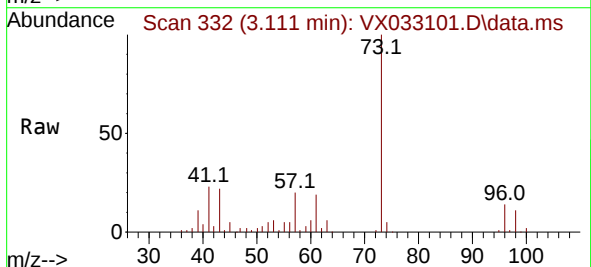
Manual Integrations  
APPROVED

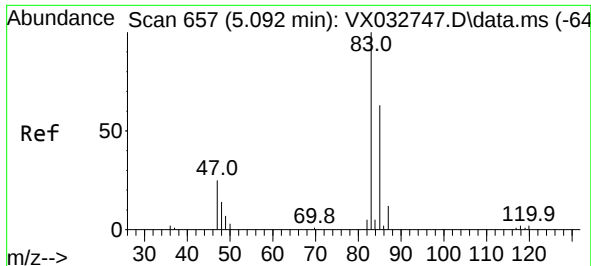
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#24  
Methyl tert-Butyl Ether  
Concen: 20.623 ug/l  
RT: 3.111 min Scan# 332  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 73 Resp: 79188  
Ion Ratio Lower Upper  
73 100  
43 21.7 14.8 22.2





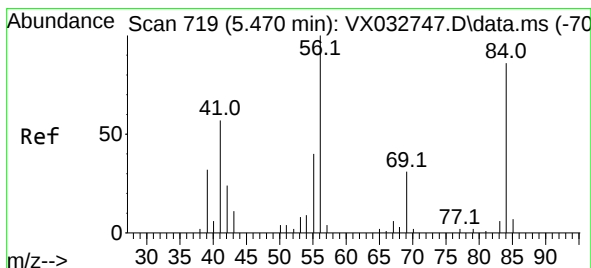
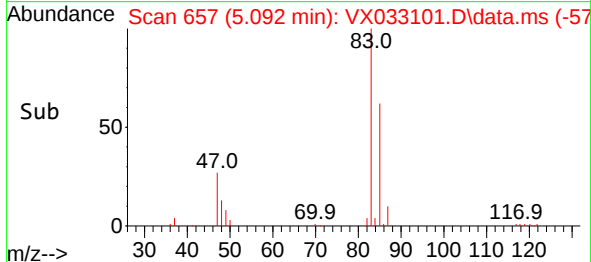
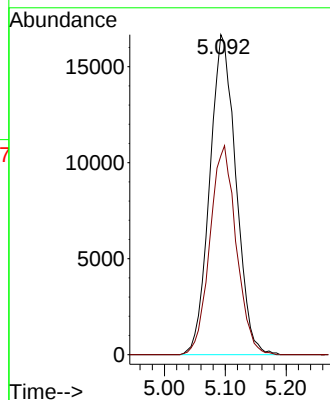
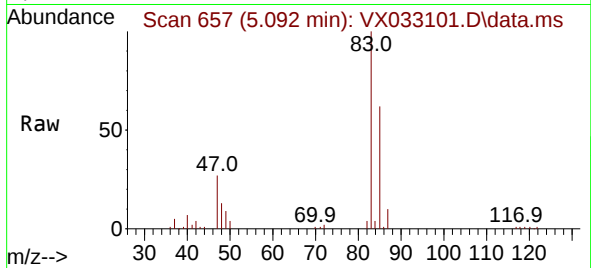
#25  
Chloroform  
Concen: 20.825 ug/l  
RT: 5.092 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 4981  
Ion Ratio Lower Upper  
83 100  
85 62.2 51.4 77.0

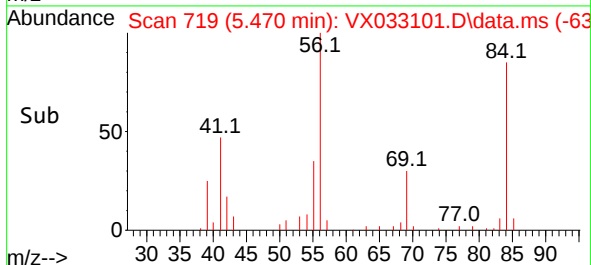
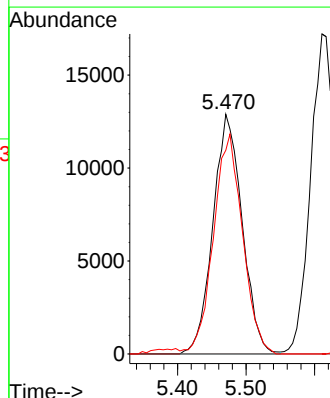
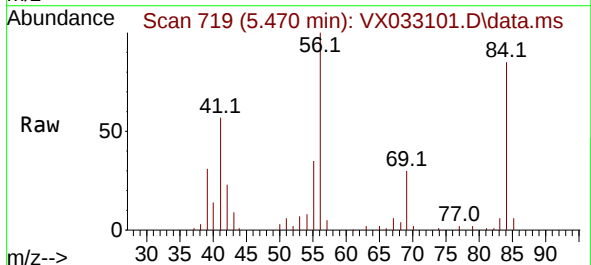
Manual Integrations  
APPROVED

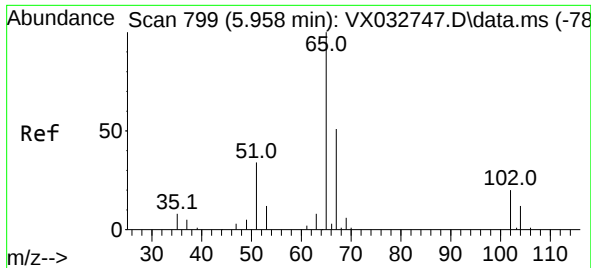
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#26  
Cyclohexane  
Concen: 20.413 ug/l  
RT: 5.470 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 56 Resp: 38234  
Ion Ratio Lower Upper  
56 100  
89 0.0 0.0 0.0  
84 90.8 86.6 130.0





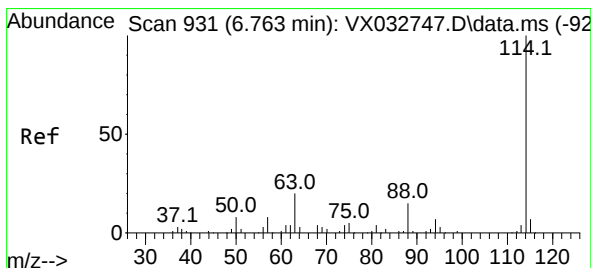
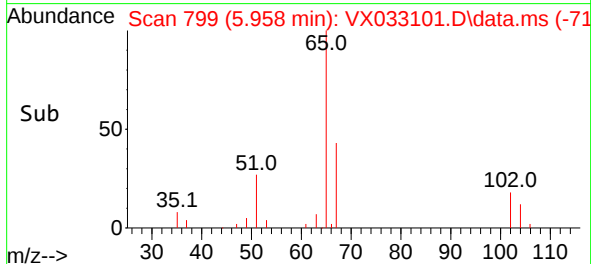
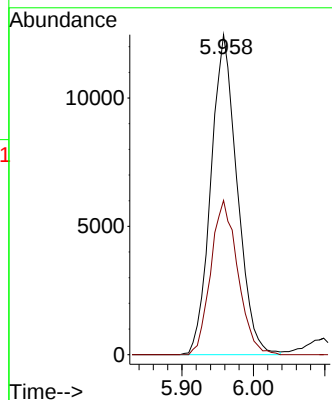
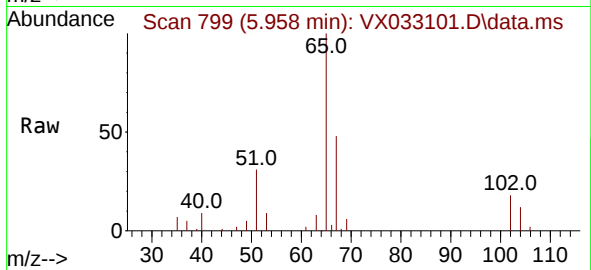
#27  
1,2-Dichloroethane-d4  
Concen: 29.953 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 65 Resp: 3185  
Ion Ratio Lower Upper  
65 100  
67 49.5 41.8 62.6

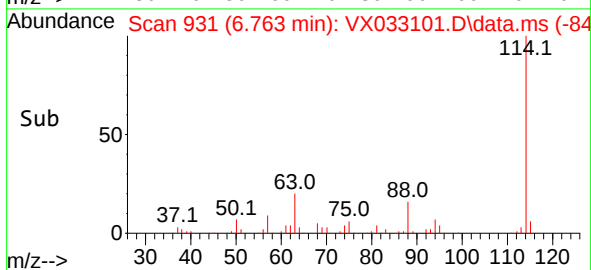
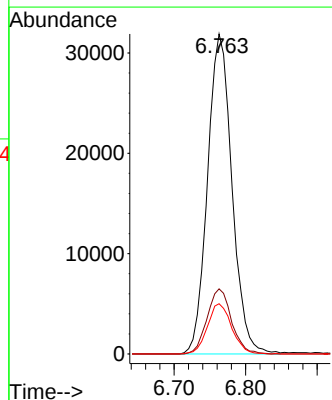
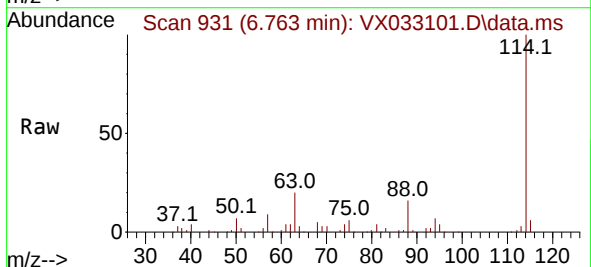
Manual Integrations  
APPROVED

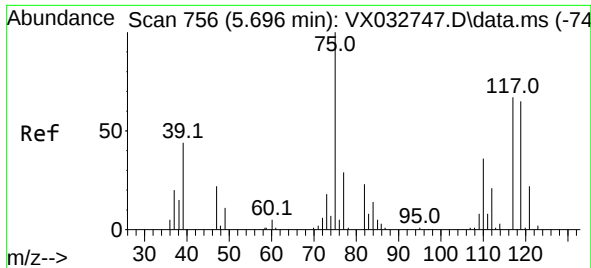
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.763 min Scan# 931  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion:114 Resp: 75870  
Ion Ratio Lower Upper  
114 100  
63 20.2 13.6 20.4  
88 15.6 11.8 17.6





#29  
1,1-Dichloropropene  
Concen: 20.578 ug/l  
RT: 5.690 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

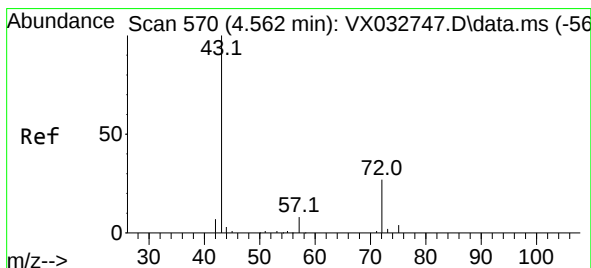
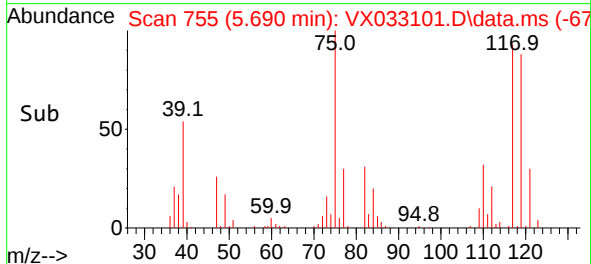
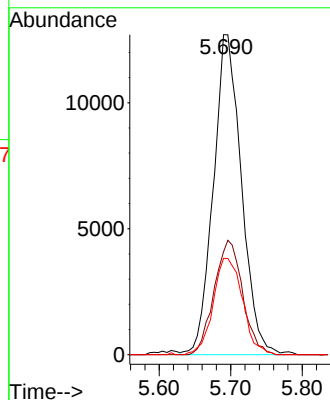
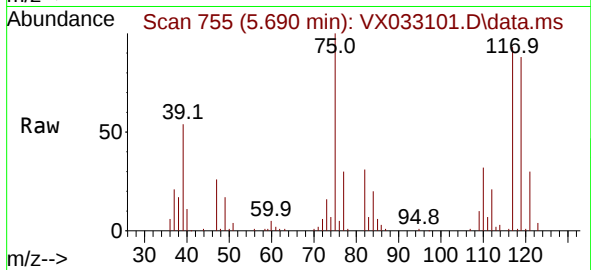
VSTDCCC020EC

Tgt Ion: 75 Resp: 34620  
Ion Ratio Lower Upper  
75 100  
110 36.2 0.0 80.4  
77 31.5 0.0 62.0

Manual Integrations

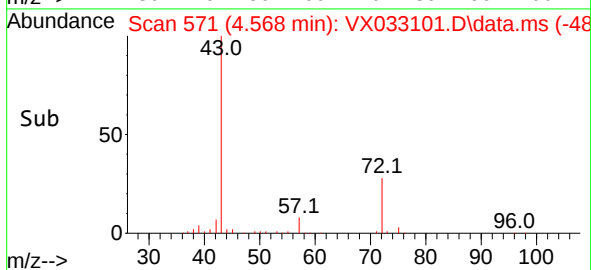
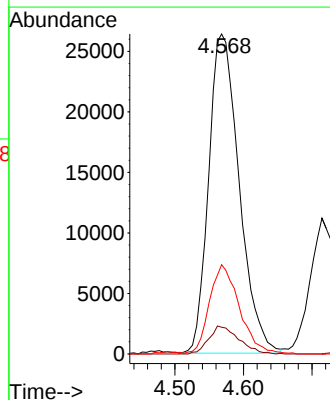
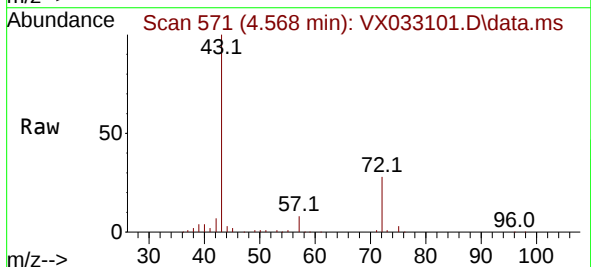
APPROVED

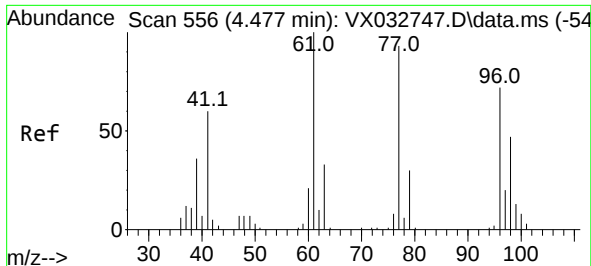
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#30  
2-Butanone  
Concen: 104.051 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 43 Resp: 81637  
Ion Ratio Lower Upper  
43 100  
57 8.5 7.5 11.3  
72 27.5 26.6 39.8





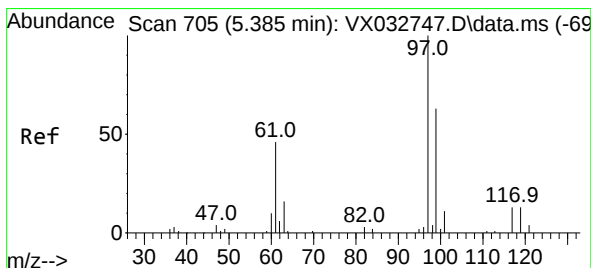
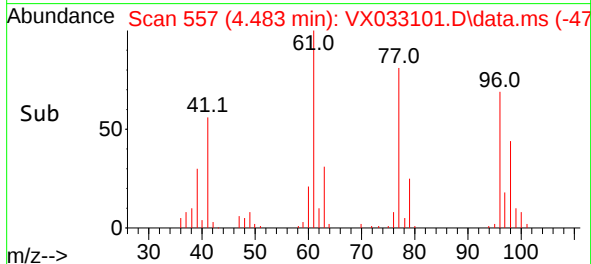
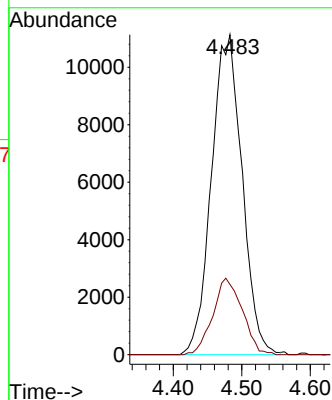
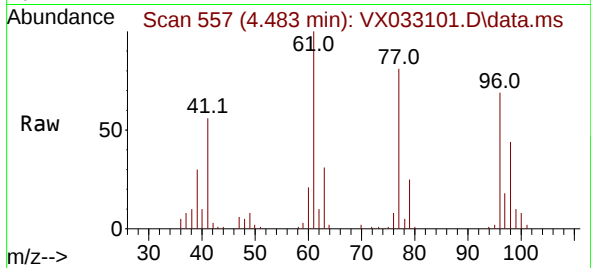
#31  
2,2-Dichloropropane  
Concen: 23.986 ug/l  
RT: 4.483 min Scan# 556  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 77 Resp: 34518  
Ion Ratio Lower Upper  
77 100  
97 23.1 20.0 30.0

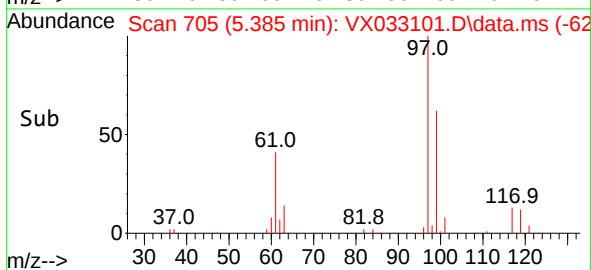
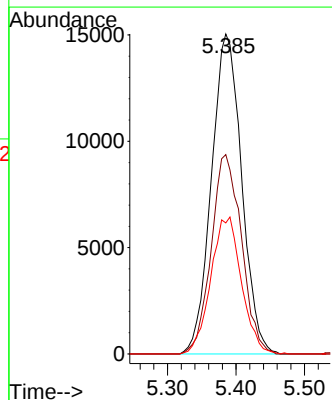
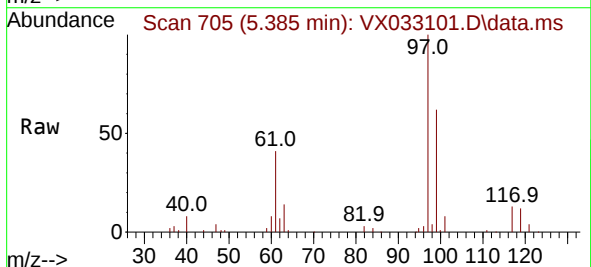
Manual Integrations  
APPROVED

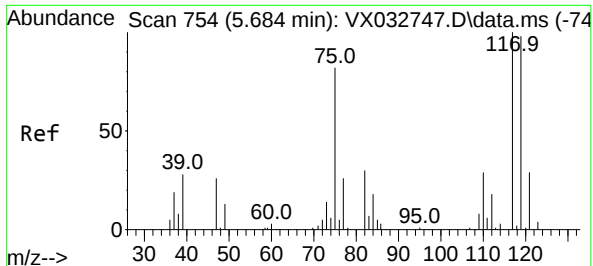
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#32  
1,1,1-Trichloroethane  
Concen: 21.775 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

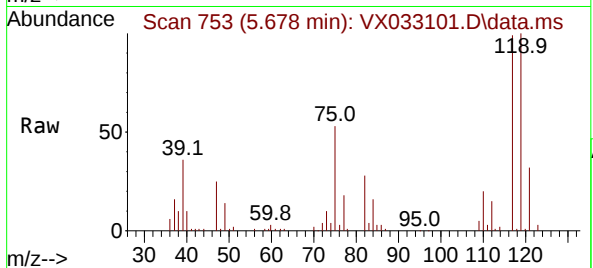
Tgt Ion: 97 Resp: 46089  
Ion Ratio Lower Upper  
97 100  
99 62.3 53.8 80.6  
61 43.4 31.3 46.9





#33  
Carbon Tetrachloride  
Concen: 21.385 ug/l  
RT: 5.678 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

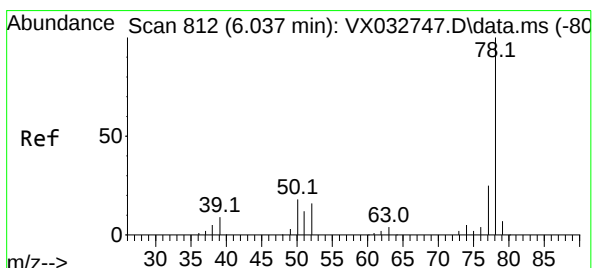
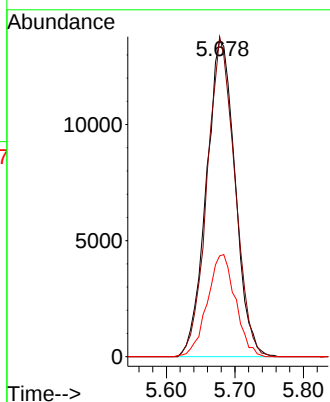
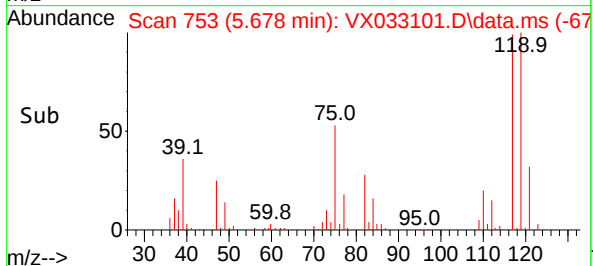
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:117 Resp: 3974  
Ion Ratio Lower Upper  
117 100  
119 101.2 75.4 113.2  
121 31.9 24.4 36.6

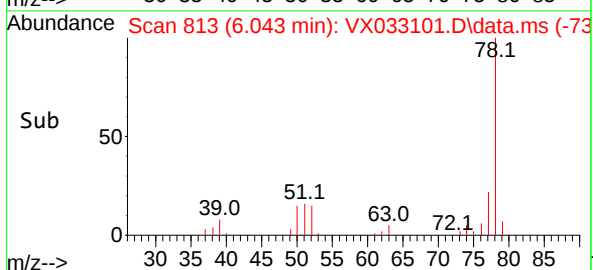
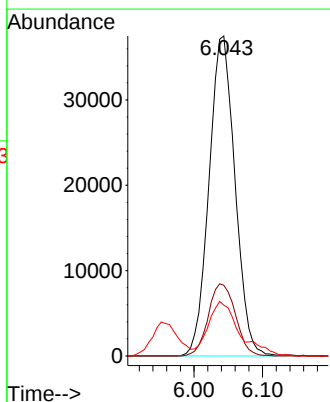
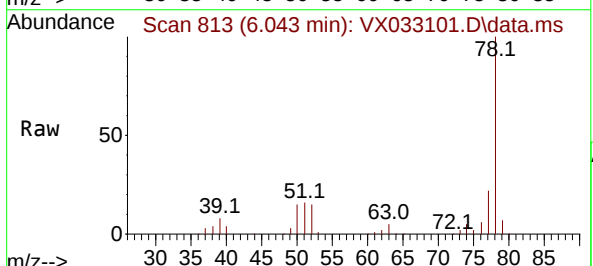
Manual Integrations  
APPROVED

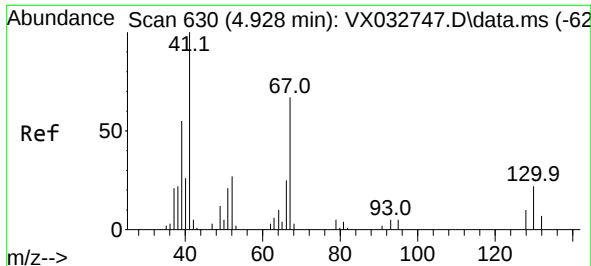
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#34  
Benzene  
Concen: 20.789 ug/l  
RT: 6.043 min Scan# 813  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 78 Resp: 98560  
Ion Ratio Lower Upper  
78 100  
77 22.1 19.0 28.6  
51 15.4 10.6 15.8





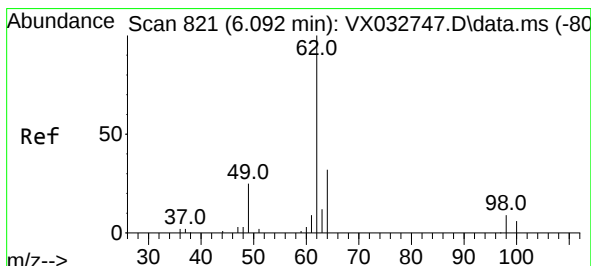
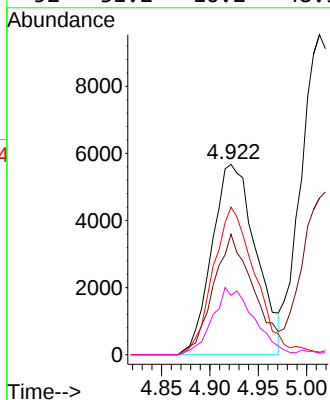
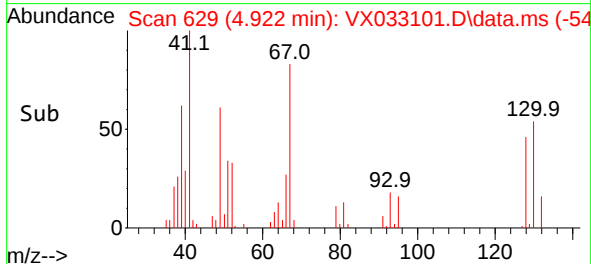
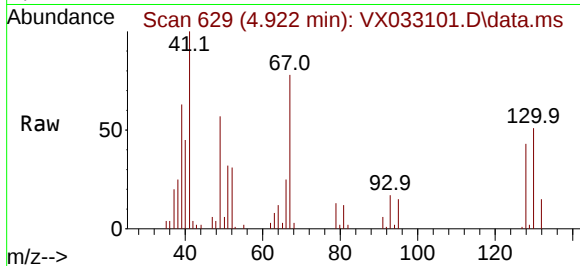
#35  
Methacrylonitrile  
Concen: 20.188 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 41 Resp: 17939  
Ion Ratio Lower Upper  
41 100  
39 63.3 26.9 80.7  
67 77.5 40.6 121.8  
52 31.2 16.2 48.5

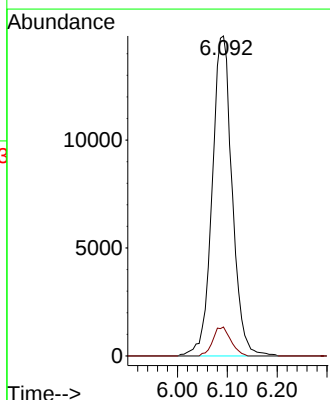
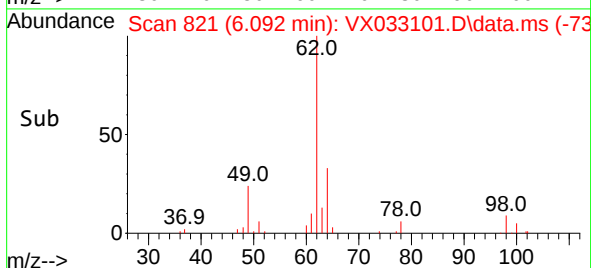
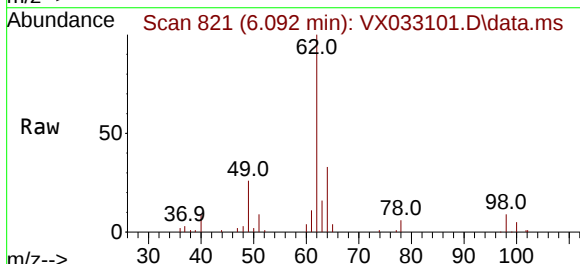
Manual Integrations  
APPROVED

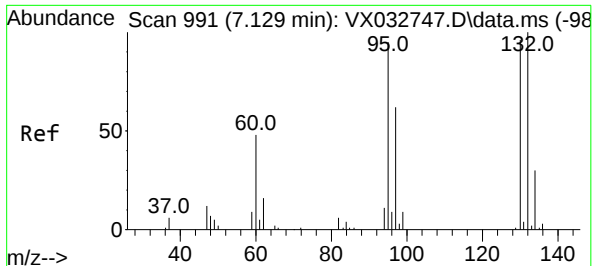
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#36  
1,2-Dichloroethane  
Concen: 21.153 ug/l  
RT: 6.092 min Scan# 821  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

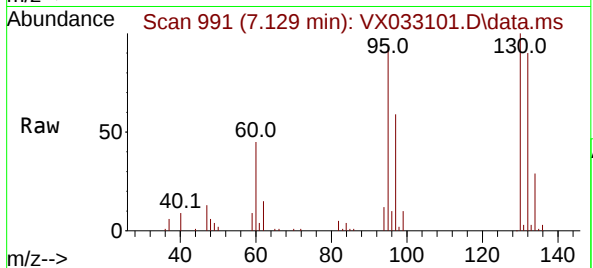
Tgt Ion: 62 Resp: 41286  
Ion Ratio Lower Upper  
62 100  
98 8.1 8.8 13.2#





#37  
Trichloroethene  
Concen: 20.600 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

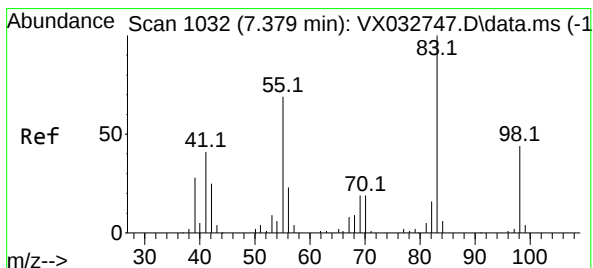
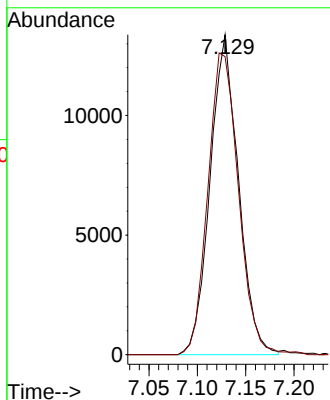
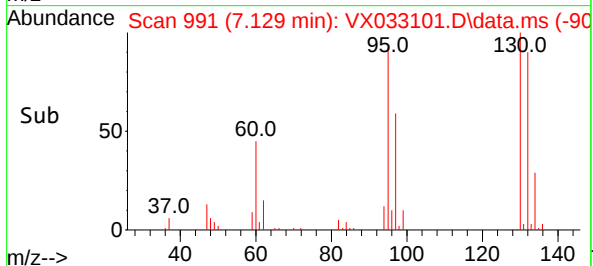
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



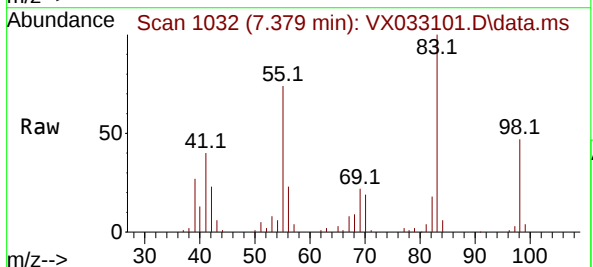
Tgt Ion:130 Resp: 2732  
Ion Ratio Lower Upper  
130 100  
95 93.1 72.4 108.6

Manual Integrations  
APPROVED

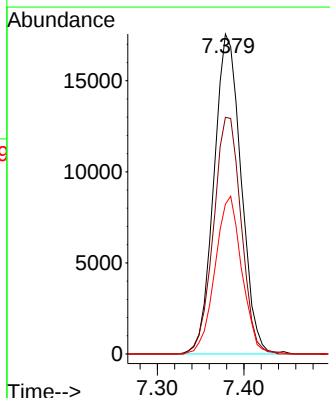
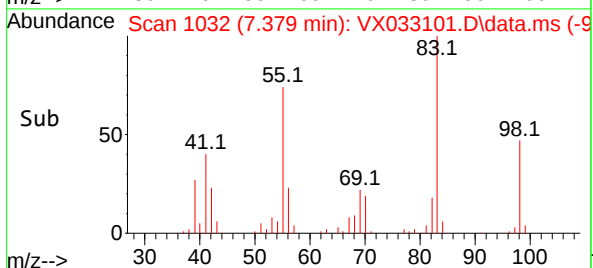
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

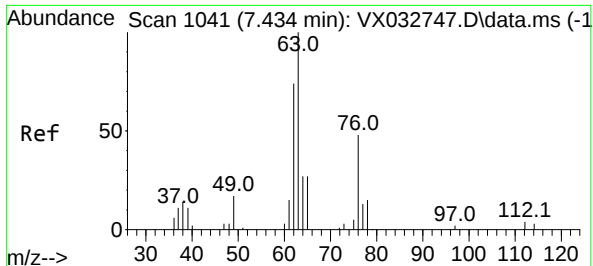


#38  
Methylcyclohexane  
Concen: 20.319 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion: 83 Resp: 38307  
Ion Ratio Lower Upper  
83 100  
55 75.2 31.6 94.7  
98 48.6 26.9 80.6





#39

1,2-Dichloropropane

Concen: 20.435 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 63 Resp: 24524

Ion Ratio Lower Upper

63 100

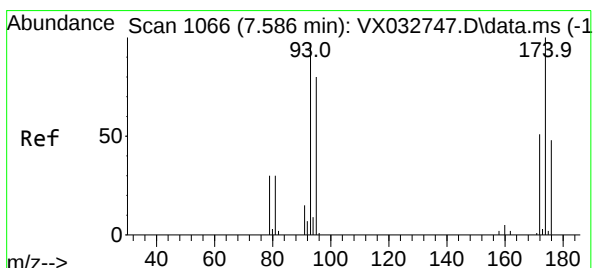
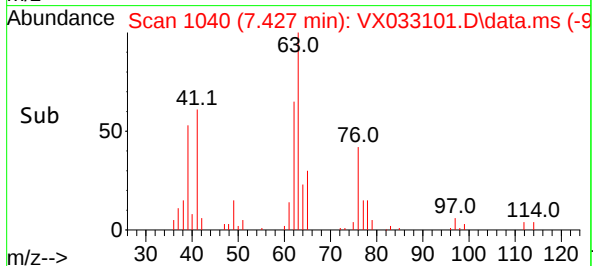
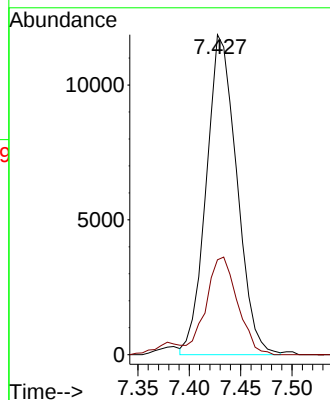
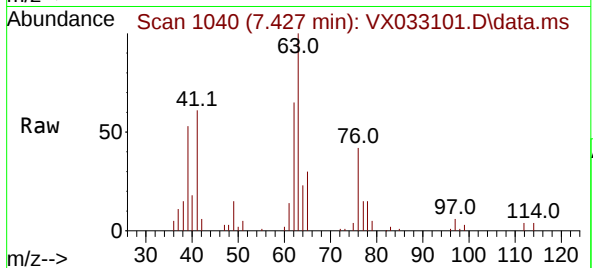
65 29.8 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#40

Dibromomethane

Concen: 21.224 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.006 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

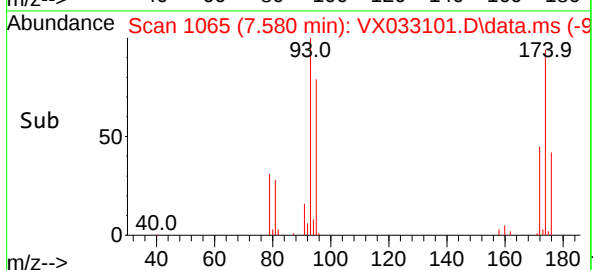
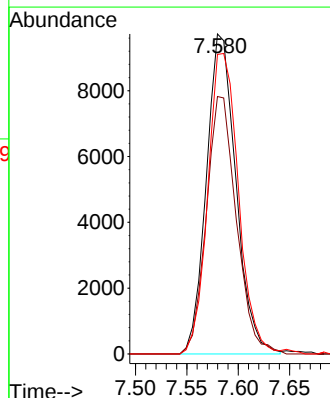
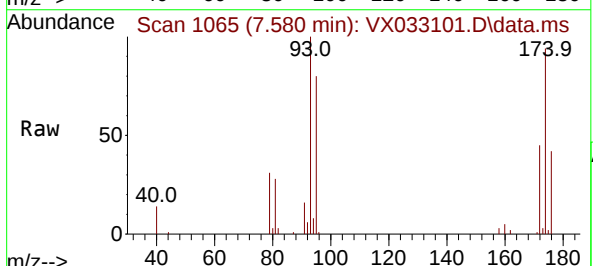
Tgt Ion: 93 Resp: 19447

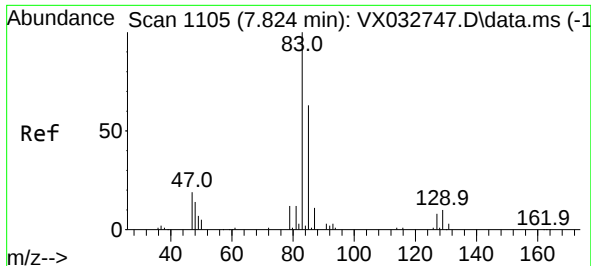
Ion Ratio Lower Upper

93 100

95 81.6 0.0 165.0

174 97.2 0.0 205.2





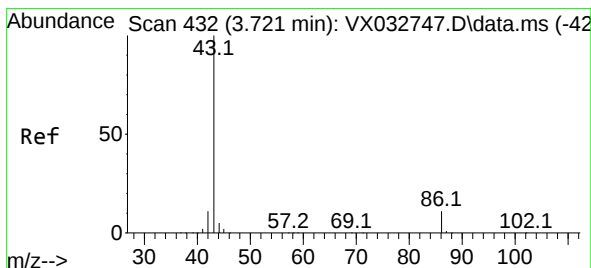
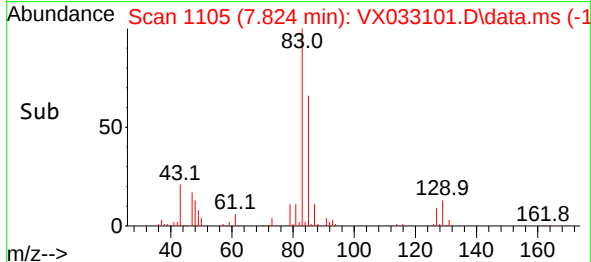
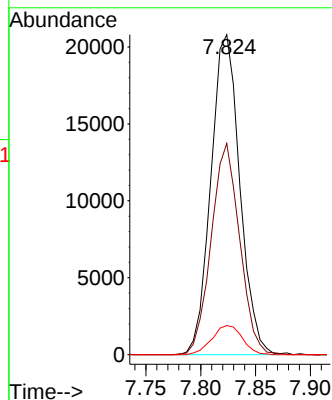
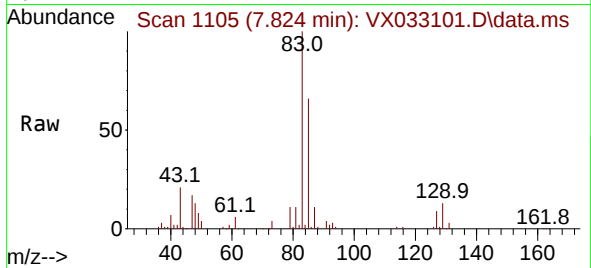
#41  
Bromodichloromethane  
Concen: 21.861 ug/l  
RT: 7.824 min Scan# 1105  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 83 Resp: 38179  
Ion Ratio Lower Upper  
83 100  
85 65.7 52.3 78.5  
127 9.1 6.8 10.2

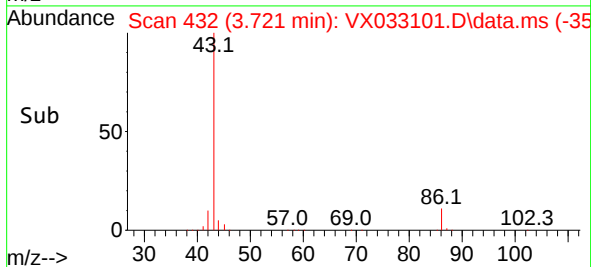
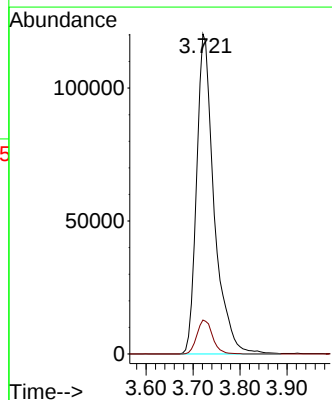
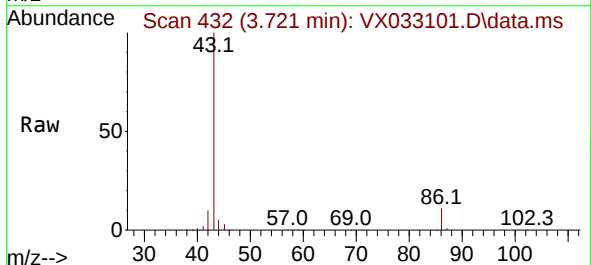
Manual Integrations  
APPROVED

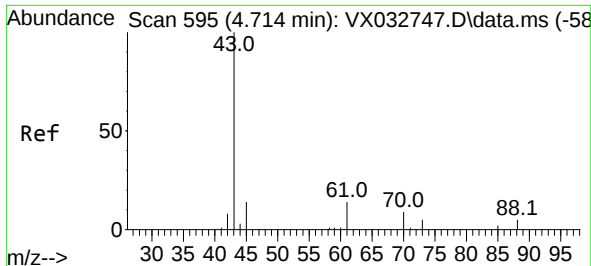
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#42  
Vinyl Acetate  
Concen: 103.851 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

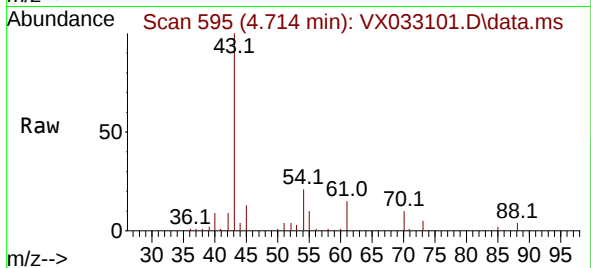
Tgt Ion: 43 Resp: 313085  
Ion Ratio Lower Upper  
43 100  
86 9.5 10.3 15.5#





#43  
Ethyl Acetate  
Concen: 21.010 ug/l  
RT: 4.714 min Scan# 595  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

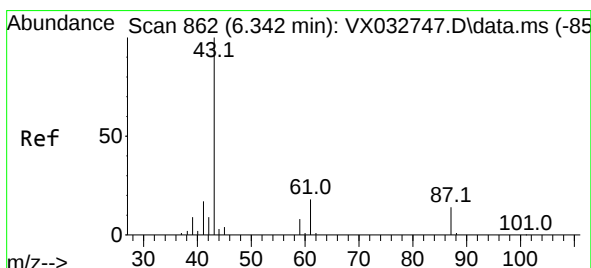
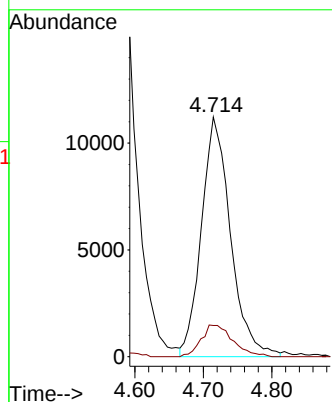
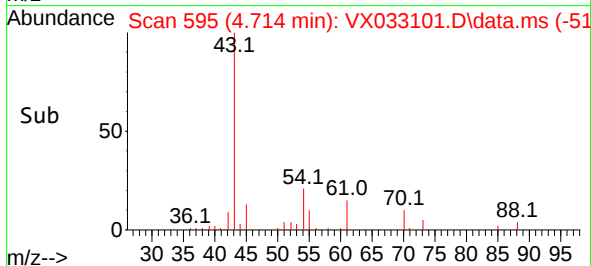
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 33160  
Ion Ratio Lower Upper  
43 100  
45 14.4 8.2 12.2

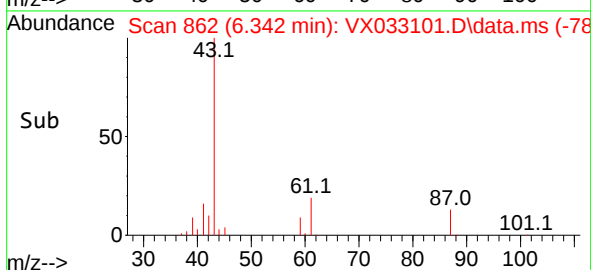
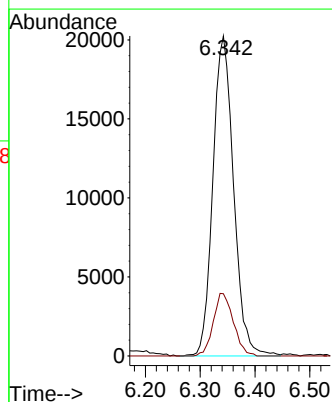
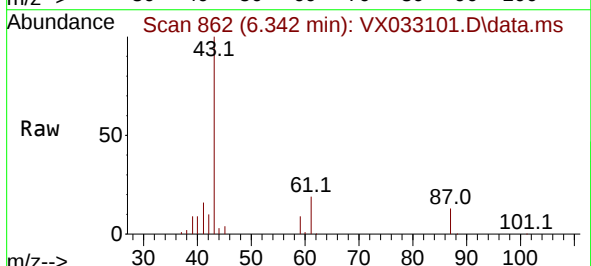
Manual Integrations  
APPROVED

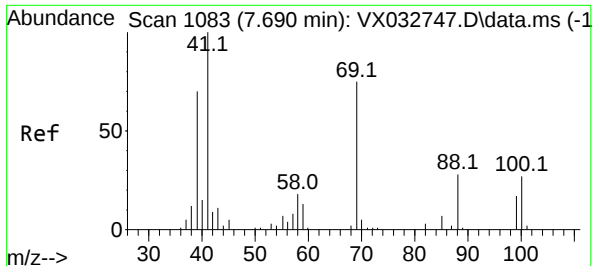
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#44  
Isopropyl Acetate  
Concen: 20.069 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 43 Resp: 53082  
Ion Ratio Lower Upper  
43 100  
61 19.0 17.2 25.8





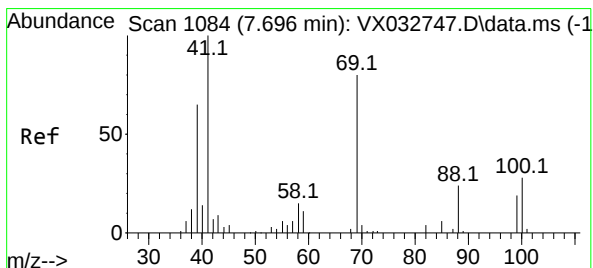
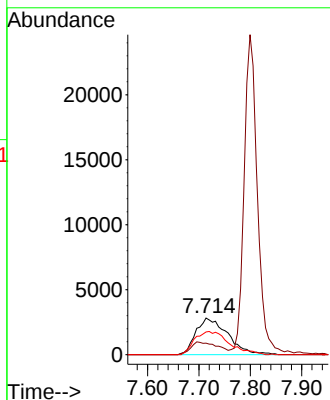
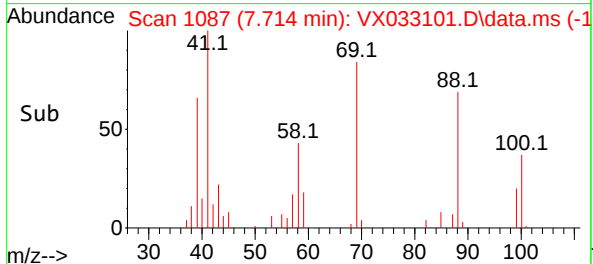
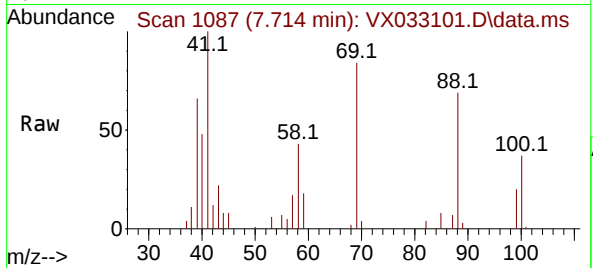
#45  
1,4-Dioxane  
Concen: 479.273 ug/l  
RT: 7.714 min Scan# 1087  
Delta R.T. 0.024 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 88 Resp: 12170  
Ion Ratio Lower Upper  
88 100  
43 29.4 20.4 30.6  
58 36.1 44.0 66.0

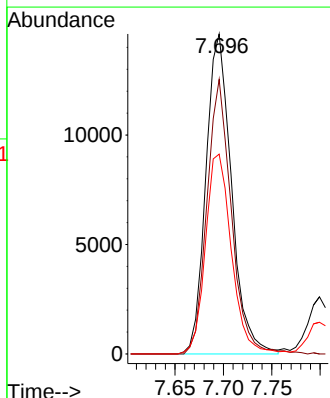
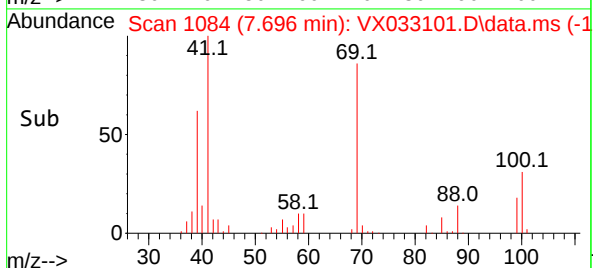
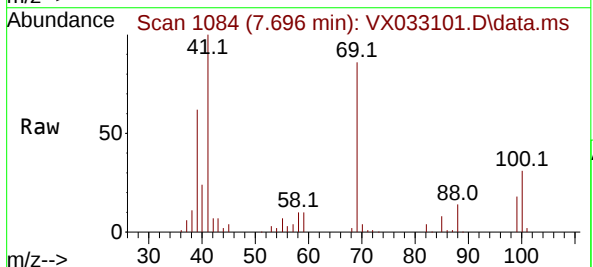
Manual Integrations  
APPROVED

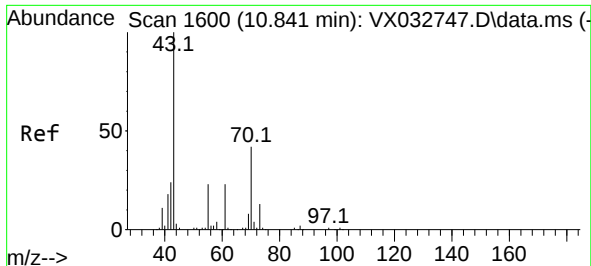
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#46  
Methyl methacrylate  
Concen: 20.207 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

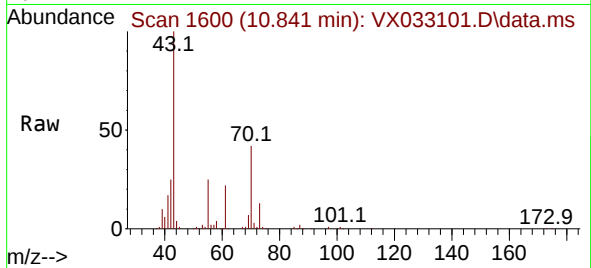
Tgt Ion: 41 Resp: 26906  
Ion Ratio Lower Upper  
41 100  
69 85.8 50.5 151.5  
39 62.5 34.6 103.8





#47  
n-amy1 Acetate  
Concen: 18.854 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

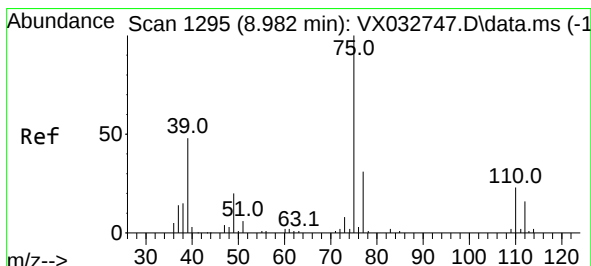
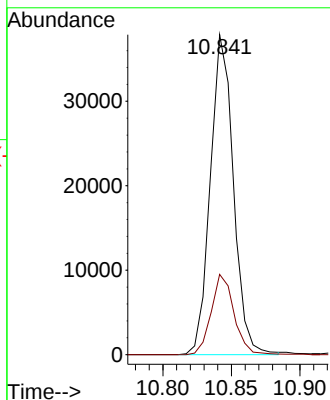
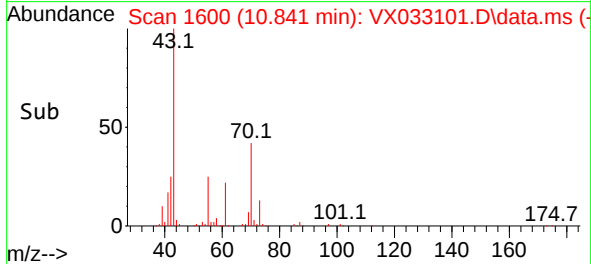
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 4433  
Ion Ratio Lower Upper  
43 100  
55 24.8 21.6 32.4

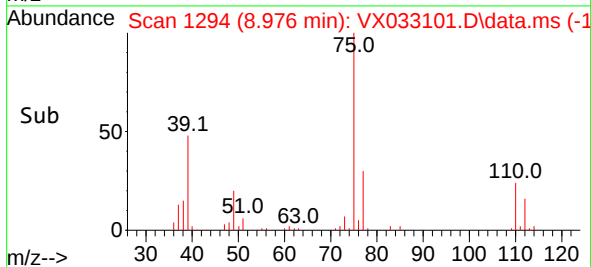
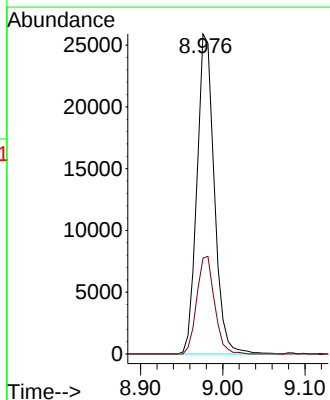
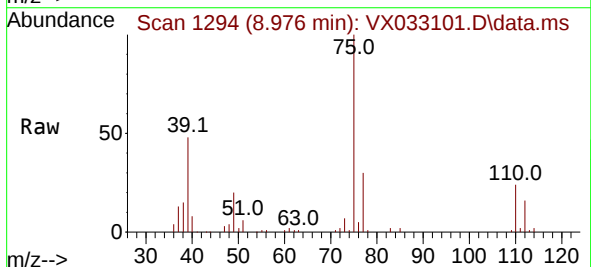
Manual Integrations  
APPROVED

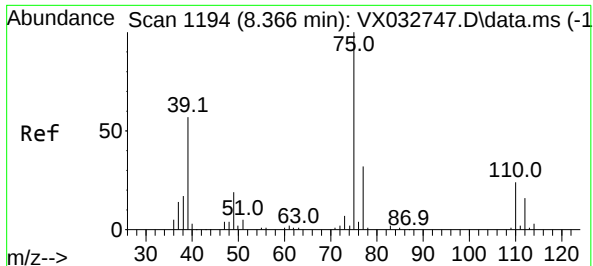
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#48  
t-1,3-Dichloropropene  
Concen: 21.170 ug/l  
RT: 8.976 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 75 Resp: 37929  
Ion Ratio Lower Upper  
75 100  
77 29.9 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 21.760 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 75 Resp: 4116

Ion Ratio Lower Upper

75 100

77 29.3 25.7 38.5

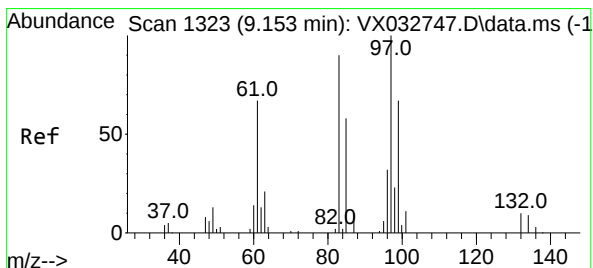
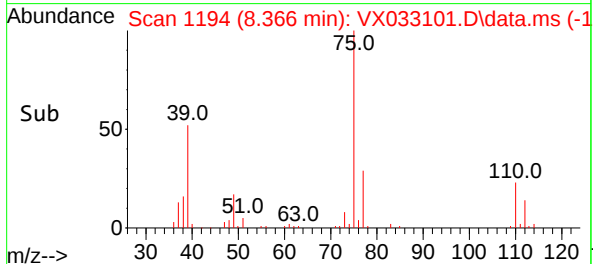
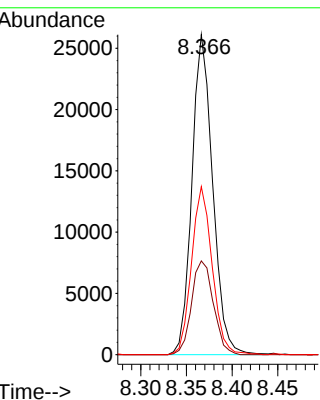
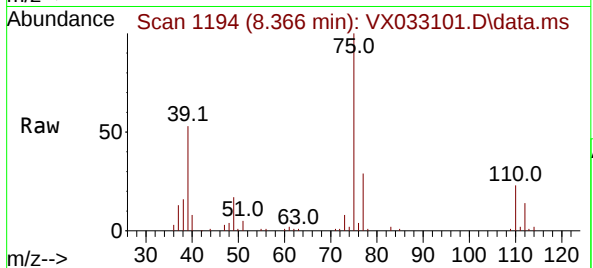
39 52.5 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#50

1,1,2-Trichloroethane

Concen: 20.809 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Tgt Ion: 97 Resp: 26215

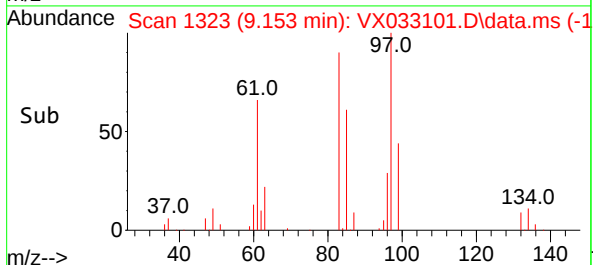
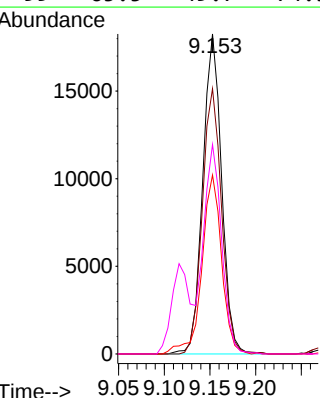
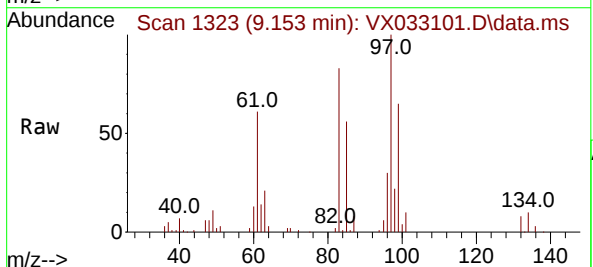
Ion Ratio Lower Upper

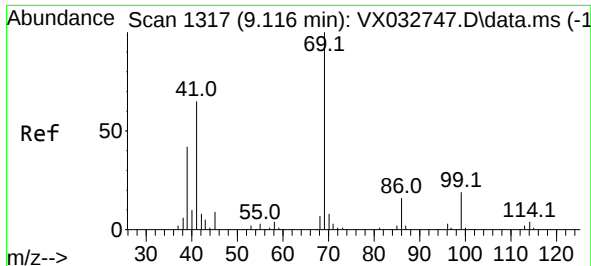
97 100

83 82.9 62.2 93.4

85 55.9 44.2 66.2

99 65.5 49.7 74.5





#51

Ethyl methacrylate

Concen: 20.047 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

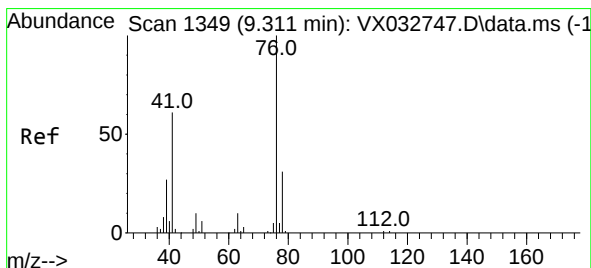
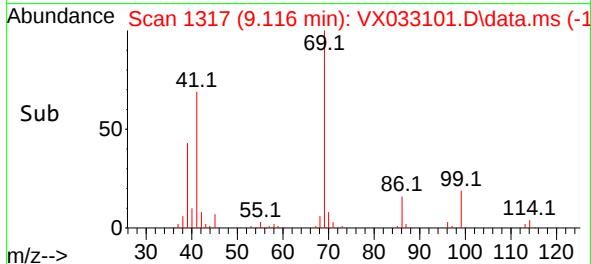
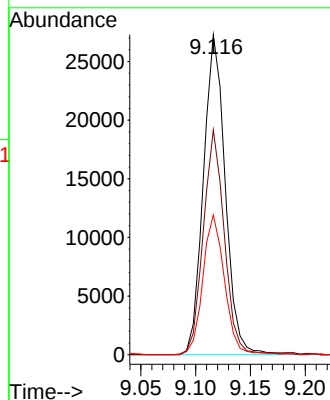
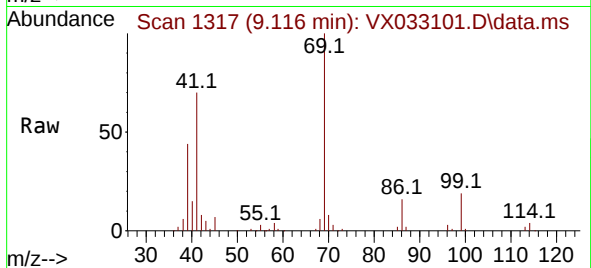
Tgt Ion: 69 Resp: 37718  
 Ion Ratio Lower Upper  
 69 100  
 41 70.0 25.9 77.7  
 39 43.7 17.8 53.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#52

1,3-Dichloropropane

Concen: 20.777 ug/l

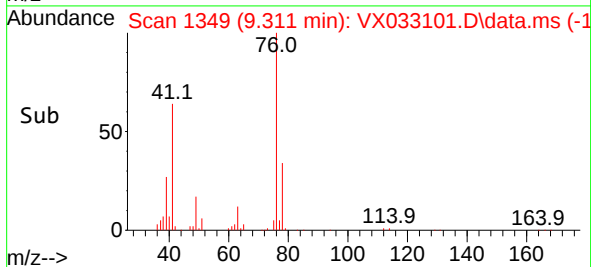
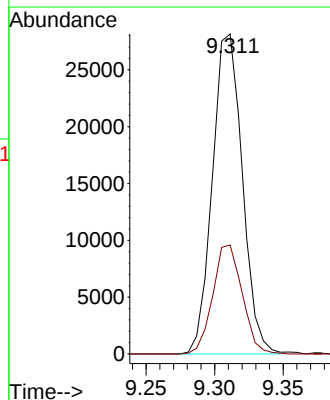
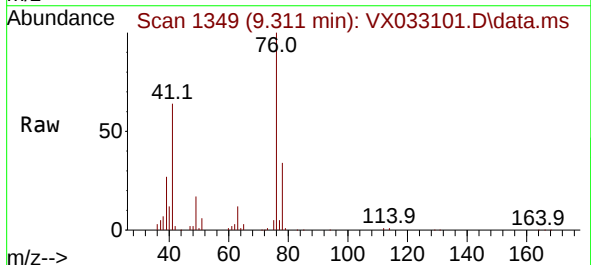
RT: 9.311 min Scan# 1349

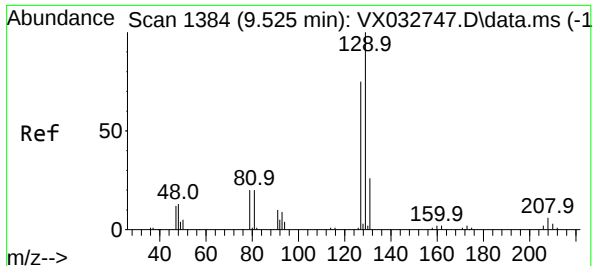
Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

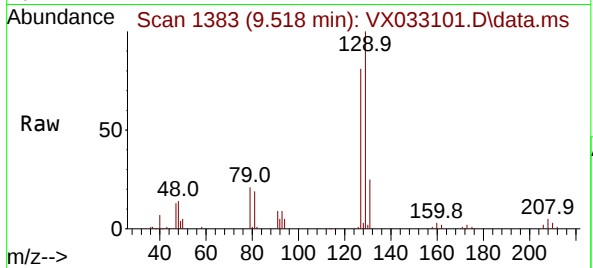
Tgt Ion: 76 Resp: 42793  
 Ion Ratio Lower Upper  
 76 100  
 78 33.4 0.0 66.0





#53  
Dibromochloromethane  
Concen: 21.900 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

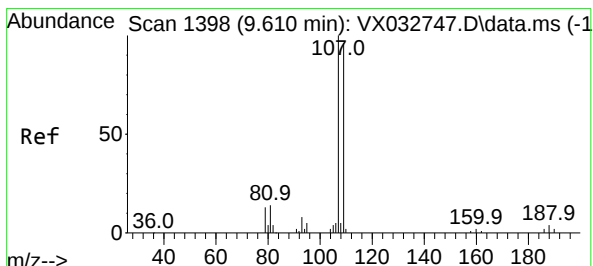
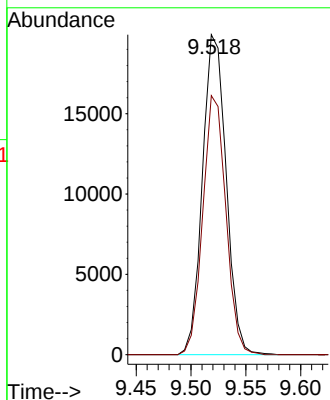
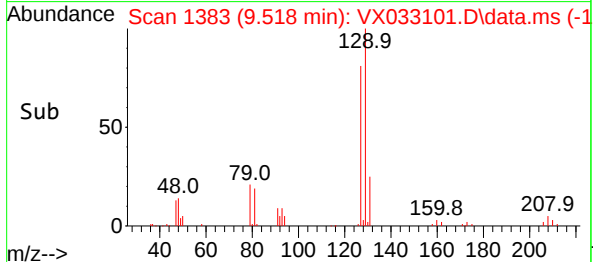
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion:129 Resp: 3000  
Ion Ratio Lower Upper  
129 100  
127 78.6 39.0 117.0

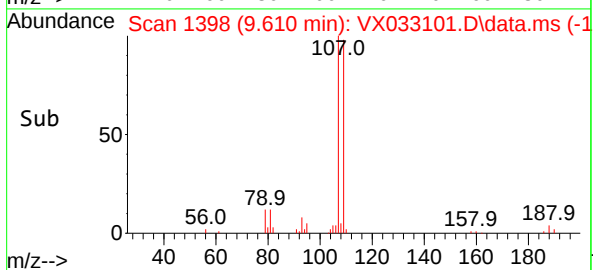
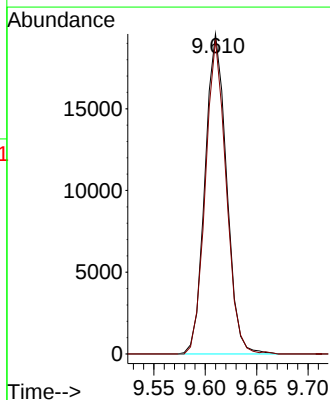
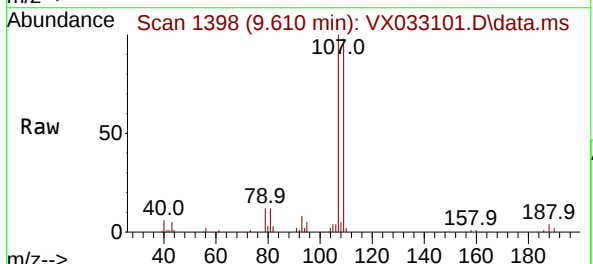
Manual Integrations  
APPROVED

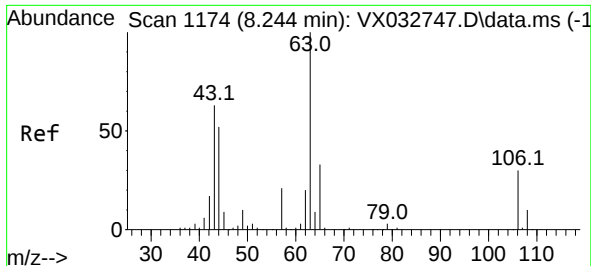
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#54  
1,2-Dibromoethane  
Concen: 21.046 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion:107 Resp: 28559  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.0 112.6





#55

2-Chloroethyl vinyl ether

Concen: 96.006 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

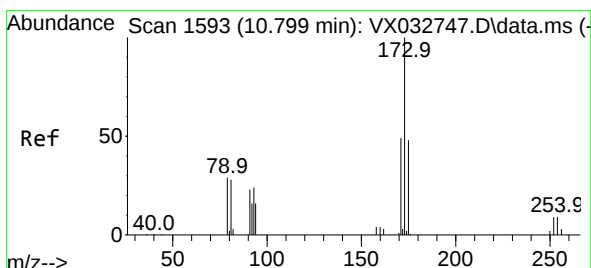
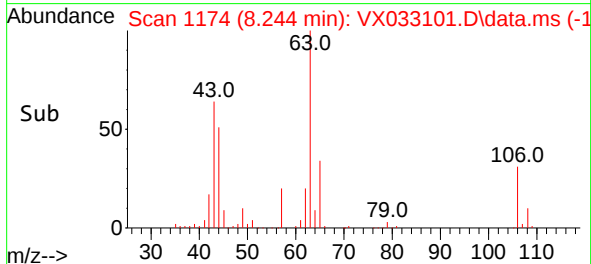
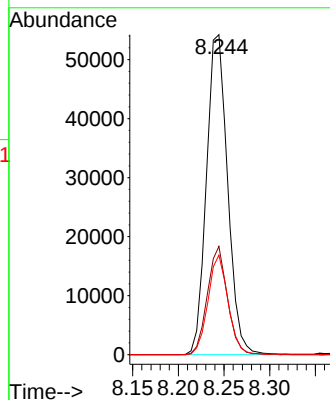
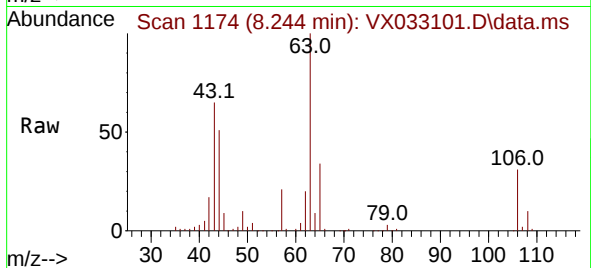
|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 8729  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 32.0     | 25.5 38.3   |
| 106 29.5    | 28.9 43.3   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#56

Bromoform

Concen: 22.521 ug/l

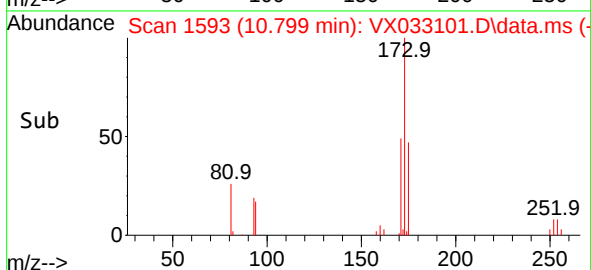
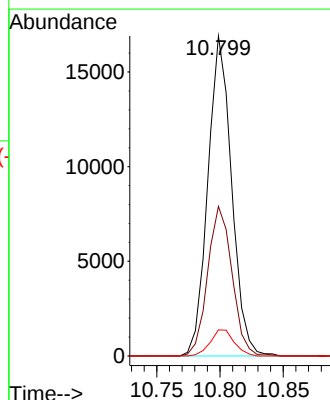
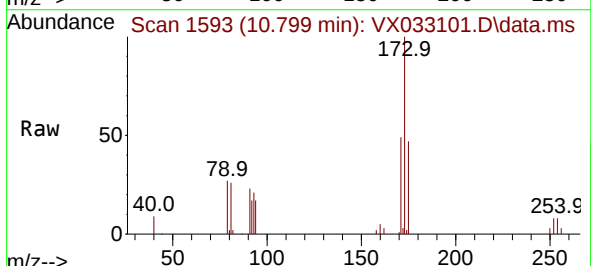
RT: 10.799 min Scan# 1593

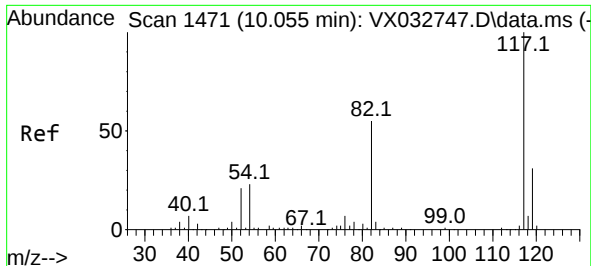
Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

|              |             |
|--------------|-------------|
| Tgt Ion: 173 | Resp: 22091 |
| Ion Ratio    | Lower Upper |
| 173 100      |             |
| 175 47.7     | 38.6 58.0   |
| 254 8.3      | 6.8 10.2    |





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

Tgt Ion: 117 Resp: 8352

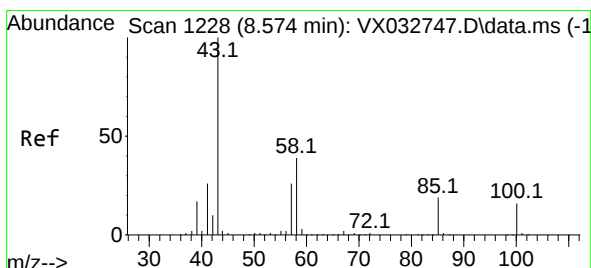
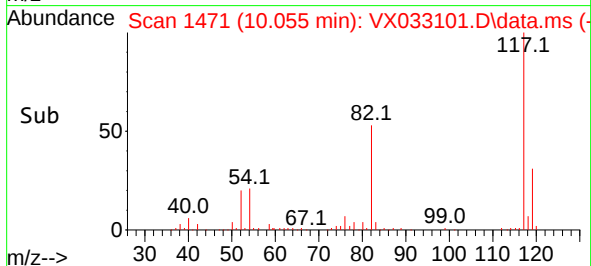
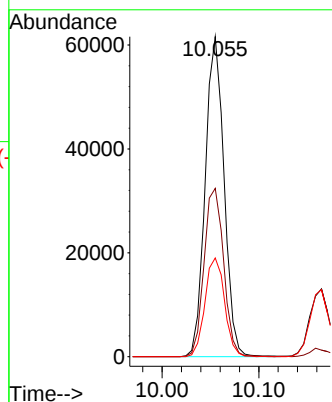
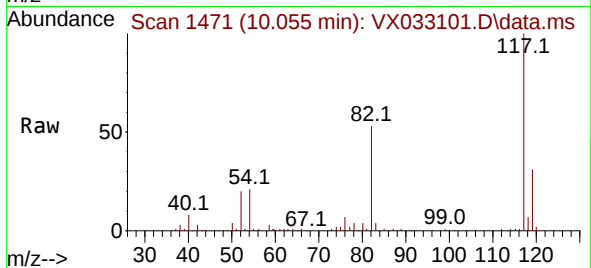
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 54.6  | 40.0  | 60.0  |
| 119 | 32.1  | 26.0  | 39.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#58

4-Methyl-2-Pentanone

Concen: 101.949 ug/l

RT: 8.574 min Scan# 1228

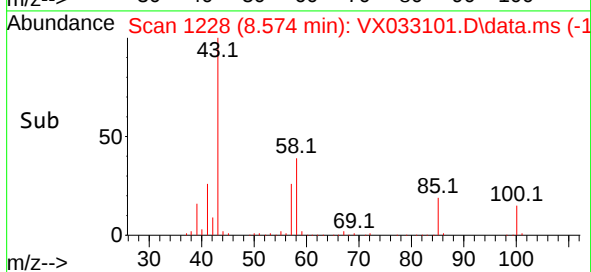
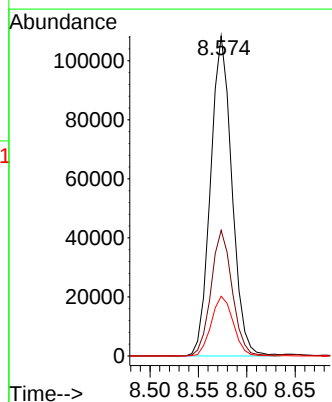
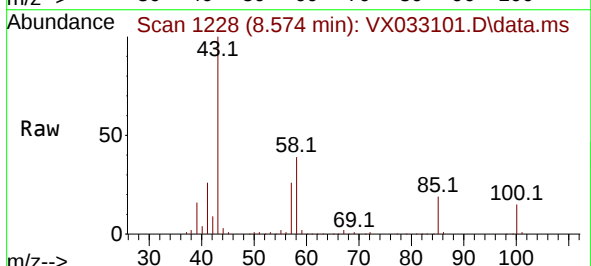
Delta R.T. -0.000 min

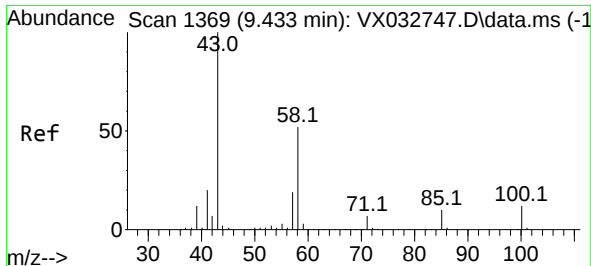
Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Tgt Ion: 43 Resp: 166685

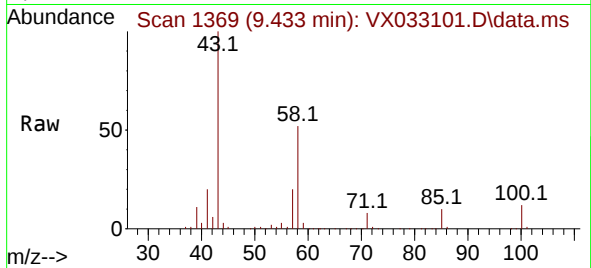
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 38.9  | 34.9  | 52.3  |
| 85  | 19.1  | 19.4  | 29.2  |





#59  
2-Hexanone  
Concen: 104.105 ug/l  
RT: 9.433 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

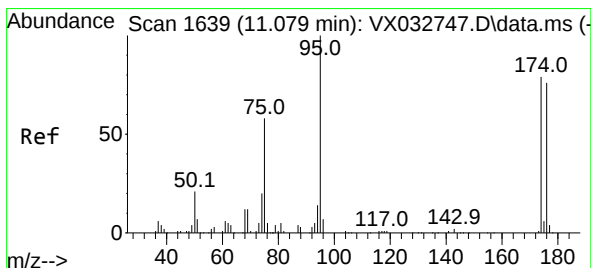
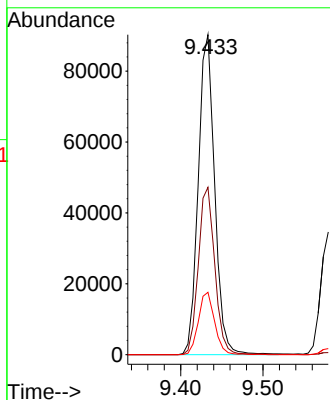
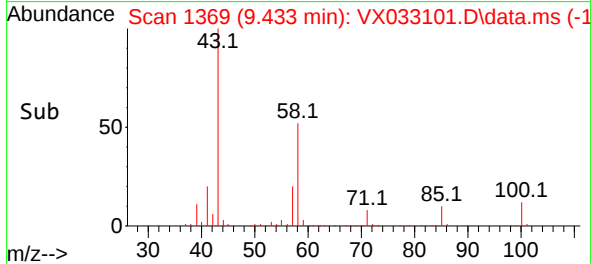
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



Tgt Ion: 43 Resp: 12532  
Ion Ratio Lower Upper  
43 100  
58 52.4 49.0 73.6  
57 19.3 17.0 25.4

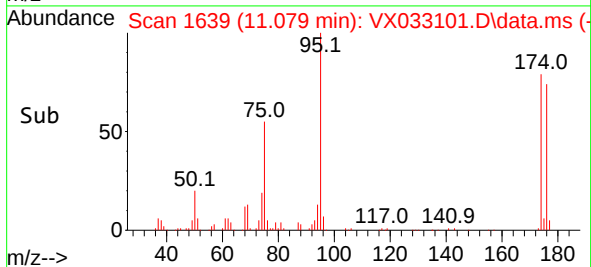
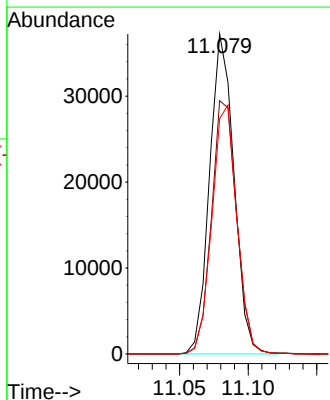
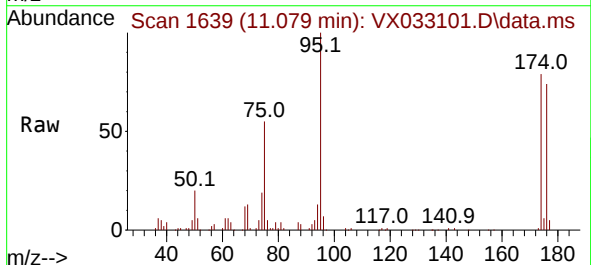
Manual Integrations  
APPROVED

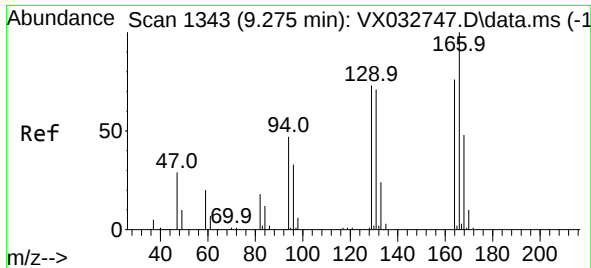
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#60  
4-Bromofluorobenzene  
Concen: 28.858 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

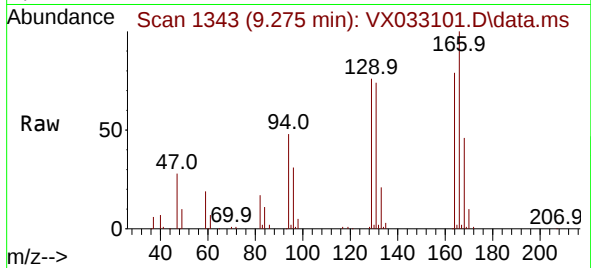
Tgt Ion: 95 Resp: 46105  
Ion Ratio Lower Upper  
95 100  
174 81.6 68.2 102.2  
176 79.8 68.1 102.1





#61  
Tetrachloroethene  
Concen: 20.352 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

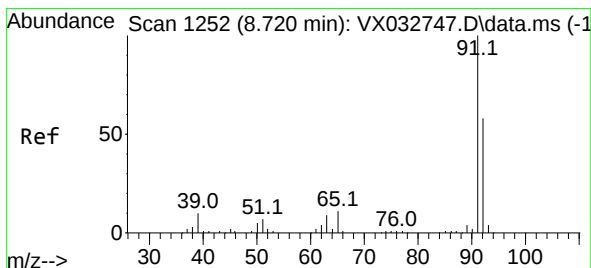
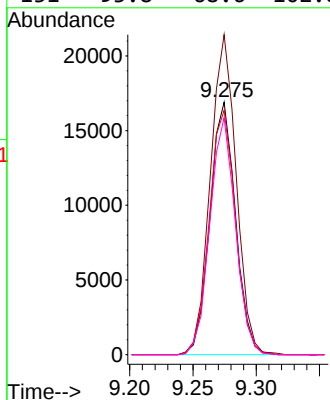
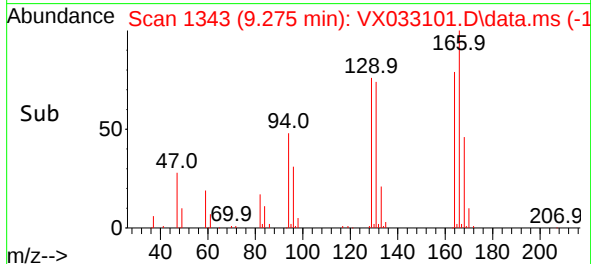
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



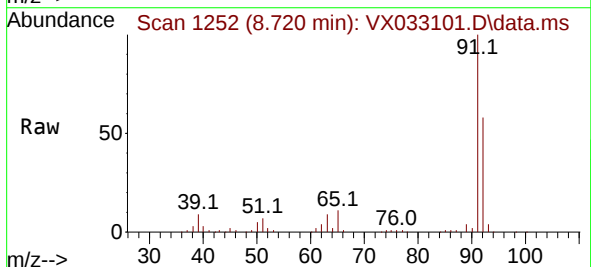
Tgt Ion:164 Resp: 23750  
Ion Ratio Lower Upper  
164 100  
166 126.7 102.8 154.2  
129 96.8 73.0 109.4  
131 93.8 68.6 102.8

Manual Integrations  
APPROVED

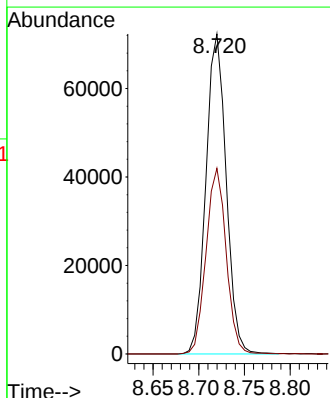
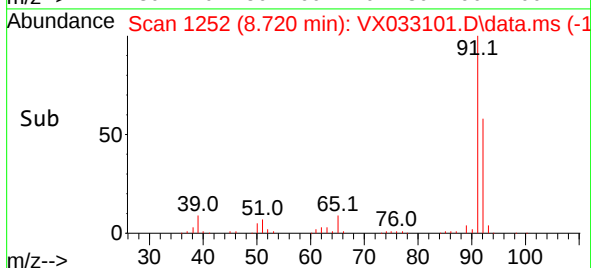
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

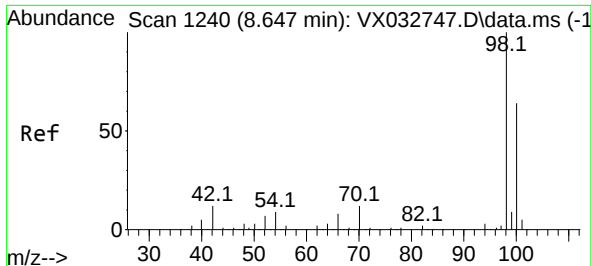


#62  
Toluene  
Concen: 20.453 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



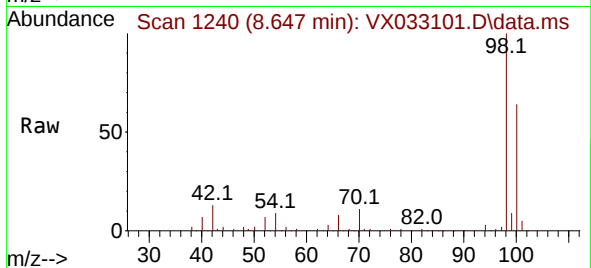
Tgt Ion: 91 Resp: 111094  
Ion Ratio Lower Upper  
91 100  
92 57.8 47.3 70.9





#63  
Toluene-d8  
Concen: 29.480 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

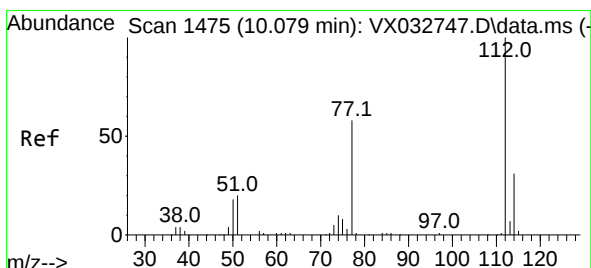
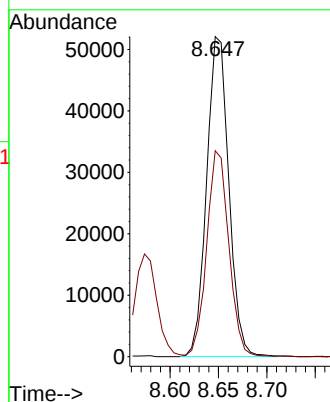
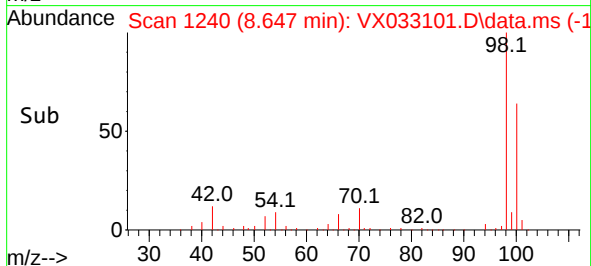
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



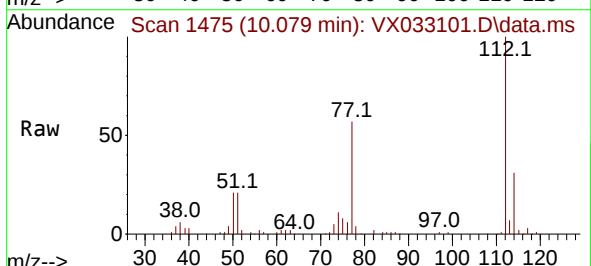
Tgt Ion: 98 Resp: 8309  
Ion Ratio Lower Upper  
98 100  
100 64.1 53.8 80.8

Manual Integrations  
APPROVED

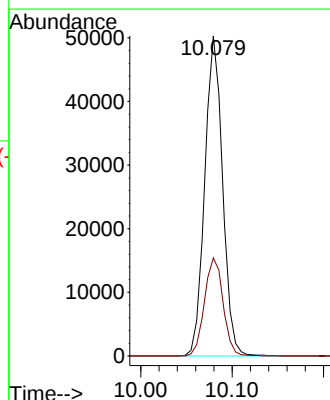
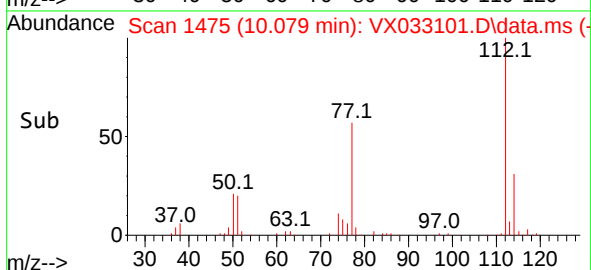
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

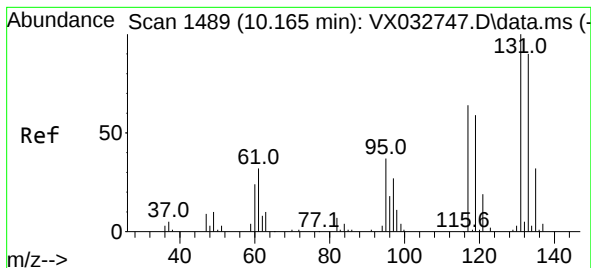


#64  
Chlorobenzene  
Concen: 20.247 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion:112 Resp: 67991  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.7 38.5





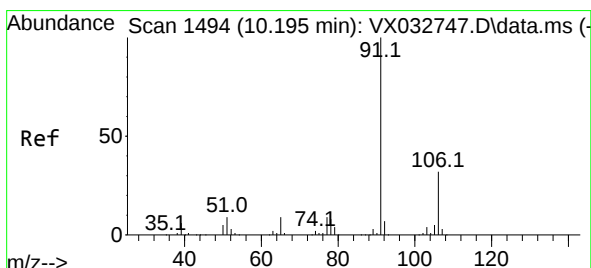
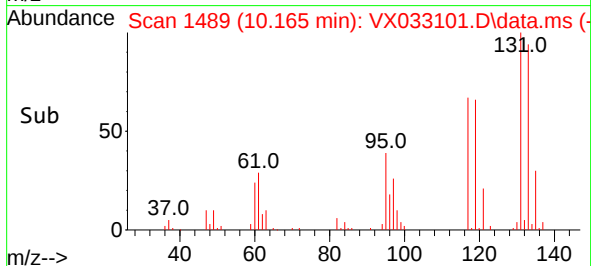
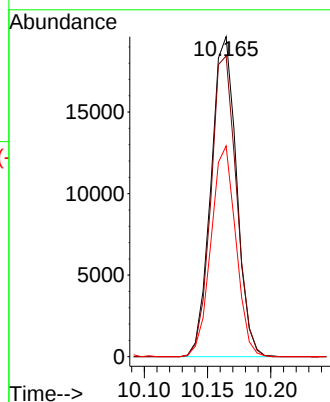
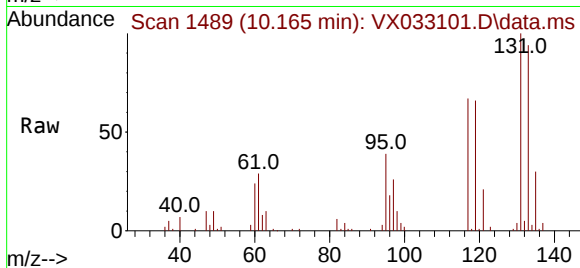
#65  
1,1,1,2-Tetrachloroethane  
Concen: 21.485 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:131 Resp: 27484  
Ion Ratio Lower Upper  
131 100  
133 94.2 0.0 189.4  
119 64.1 0.0 127.0

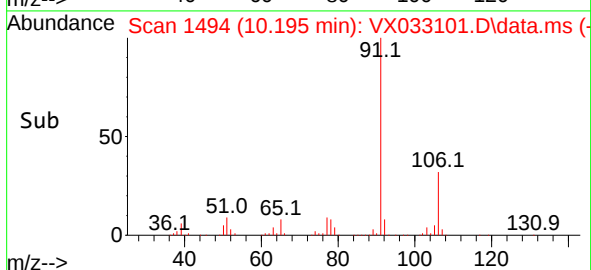
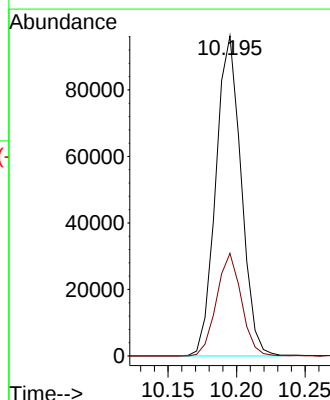
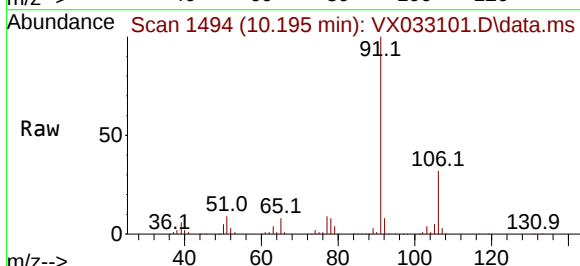
Manual Integrations  
APPROVED

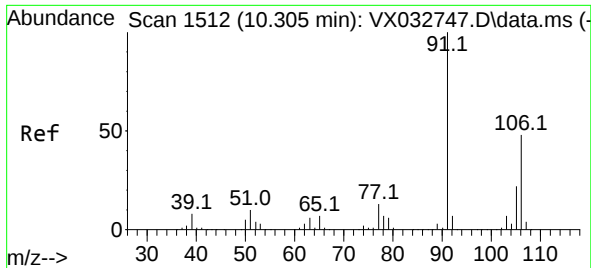
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#66  
Ethyl Benzene  
Concen: 20.296 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion: 91 Resp: 123674  
Ion Ratio Lower Upper  
91 100  
106 32.0 26.7 40.1





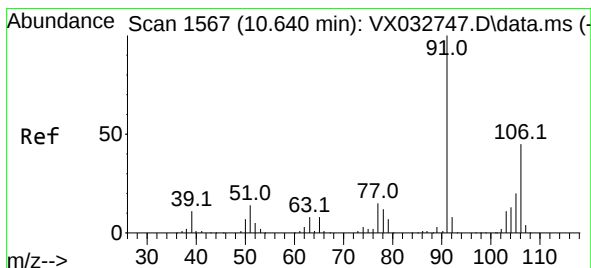
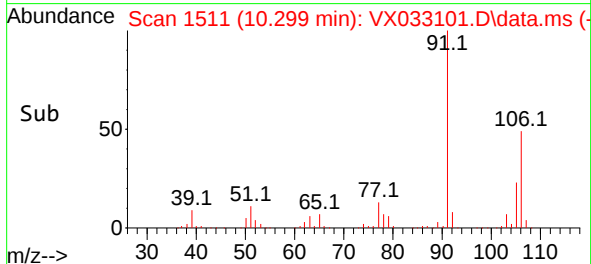
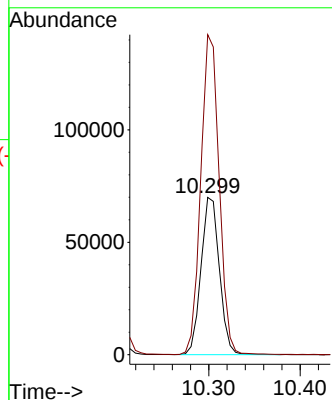
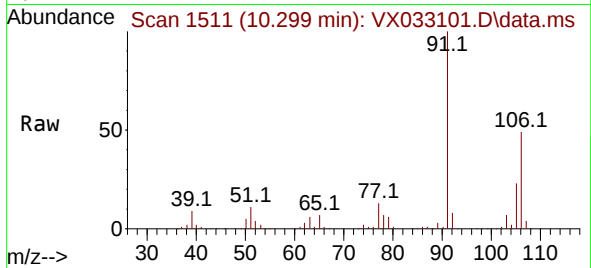
#67  
m/p-Xylenes  
Concen: 41.122 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:106 Resp: 97498  
Ion Ratio Lower Upper  
106 100  
91 202.7 152.3 228.5

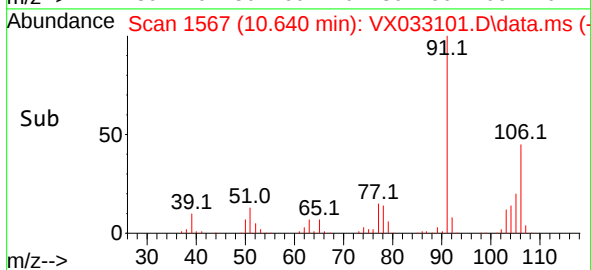
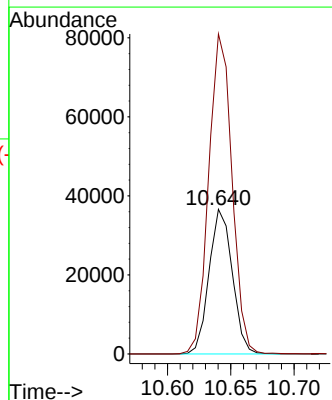
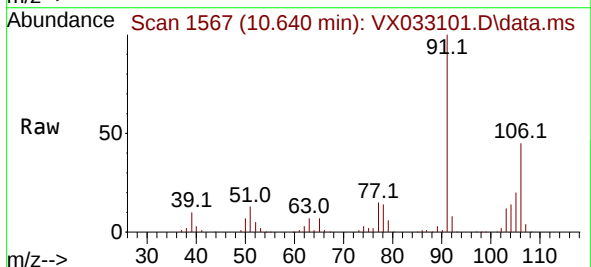
Manual Integrations  
APPROVED

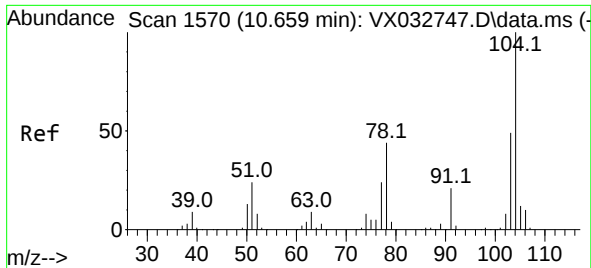
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#68  
o-Xylene  
Concen: 20.128 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion:106 Resp: 46827  
Ion Ratio Lower Upper  
106 100  
91 221.2 101.9 305.7





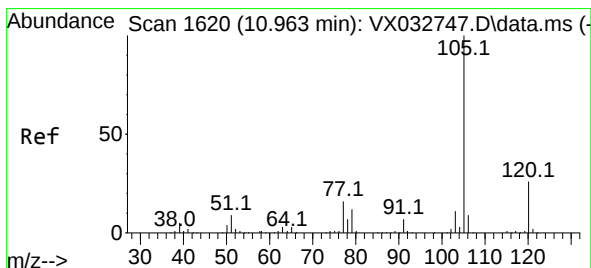
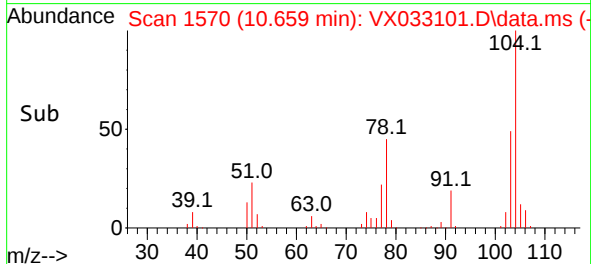
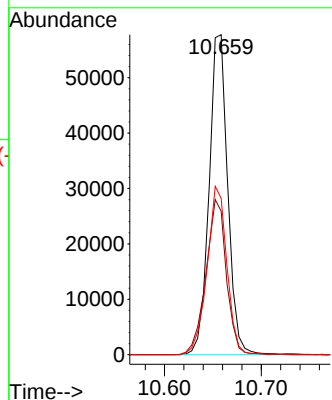
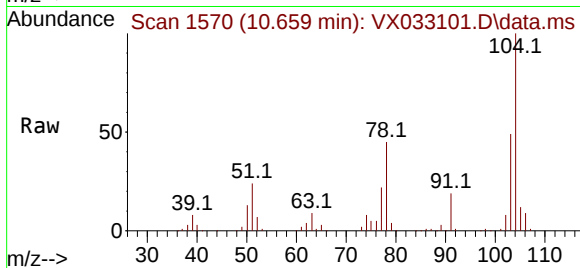
#69  
Styrene  
Concen: 20.029 ug/l  
RT: 10.659 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:104 Resp: 77460  
Ion Ratio Lower Upper  
104 100  
78 53.3 36.6 55.0  
103 55.5 43.3 64.9

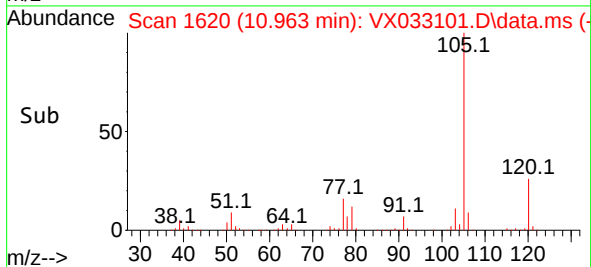
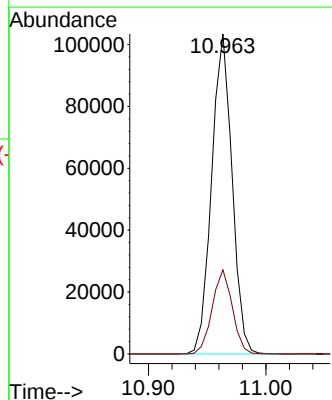
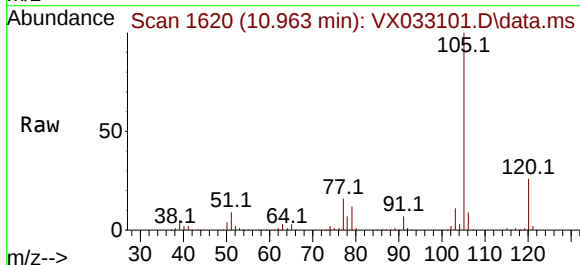
Manual Integrations  
APPROVED

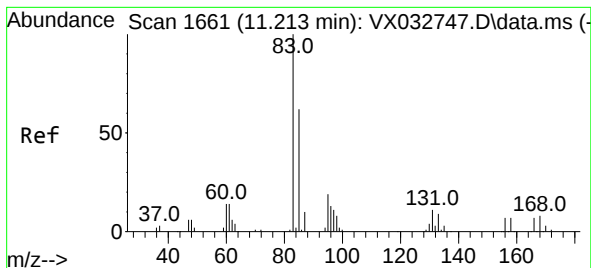
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#70  
Isopropylbenzene  
Concen: 20.138 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Tgt Ion:105 Resp: 125105  
Ion Ratio Lower Upper  
105 100  
120 25.8 19.3 35.9





#71

1,1,2,2-Tetrachloroethane

Concen: 20.913 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

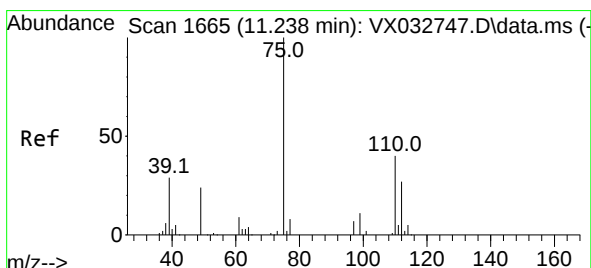
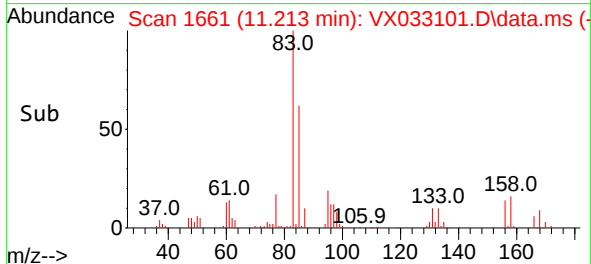
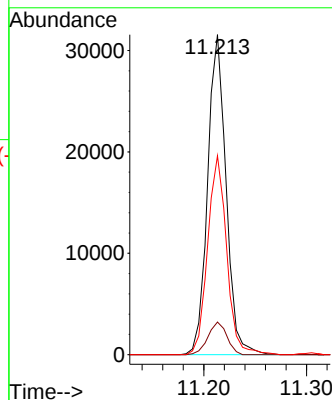
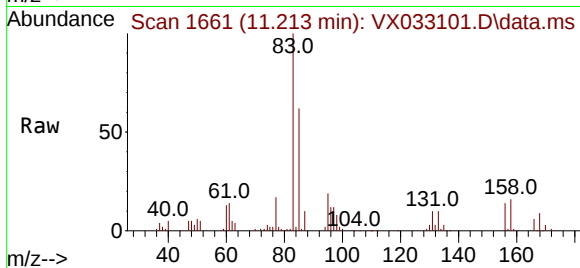
Tgt Ion: 83 Resp: 39400  
 Ion Ratio Lower Upper  
 83 100  
 131 10.5 6.0 18.1  
 85 64.1 32.8 98.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#72

1,2,3-Trichloropropane

Concen: 21.217 ug/l m

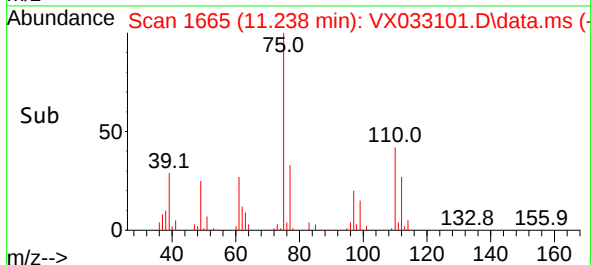
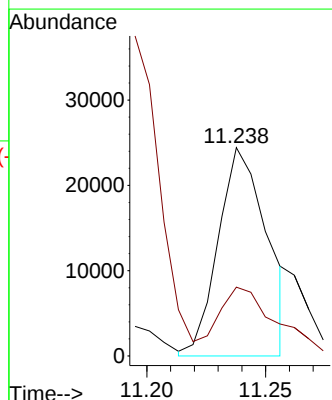
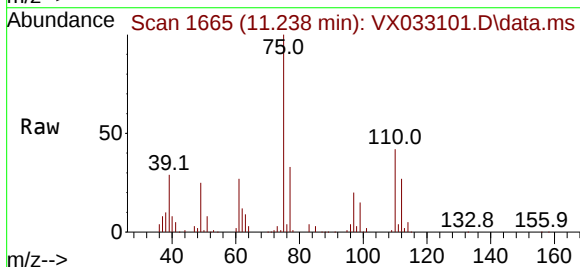
RT: 11.238 min Scan# 1665

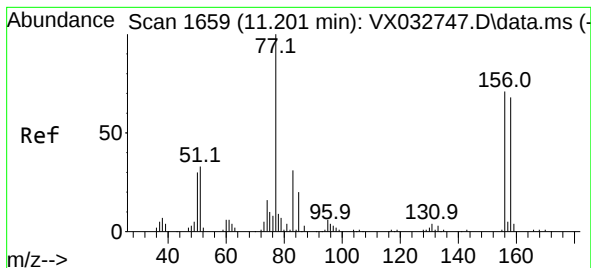
Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Tgt Ion: 75 Resp: 34717  
 Ion Ratio Lower Upper  
 75 100  
 77 40.1 0.0 76.6





#73

Bromobenzene

Concen: 20.342 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC020EC

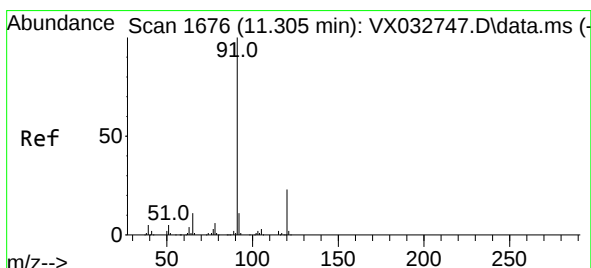
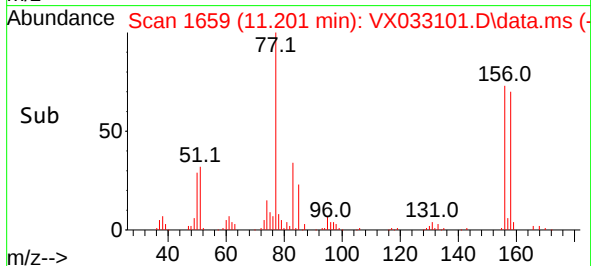
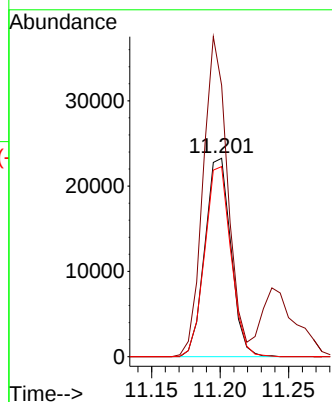
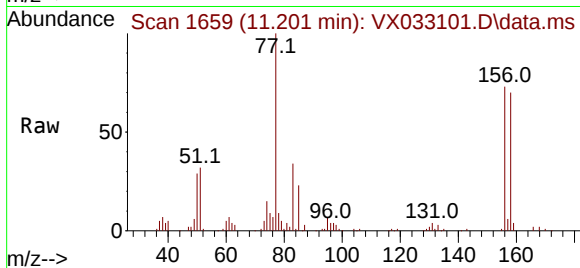
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 30700 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 152.4 | 0.0   | 259.2 |
| 158       | 96.8  | 0.0   | 193.2 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/29/2022

Supervised By :Mahesh Dadoda 11/29/2022



#74

n-propylbenzene

Concen: 20.239 ug/l

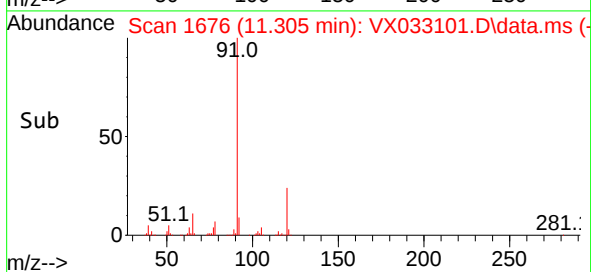
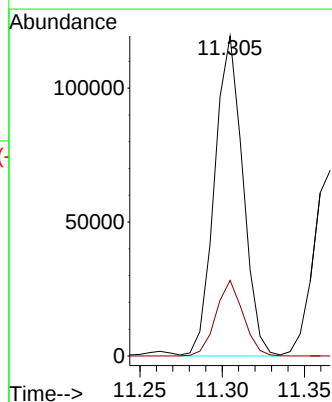
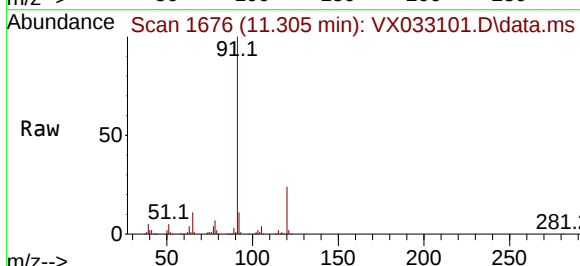
RT: 11.305 min Scan# 1676

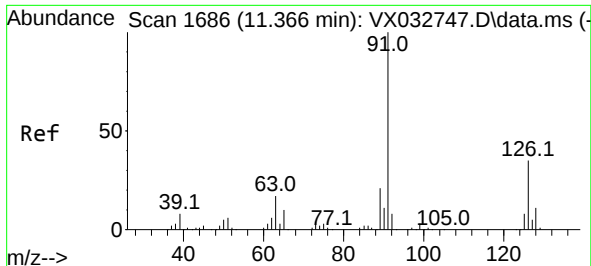
Delta R.T. -0.000 min

Lab File: VX033101.D

Acq: 28 Nov 2022 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 142860 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.7  | 0.0   | 51.0   |





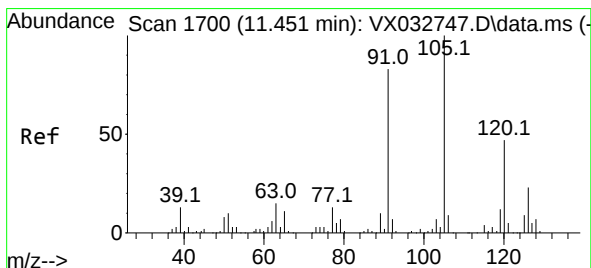
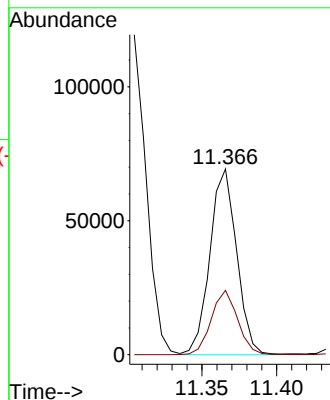
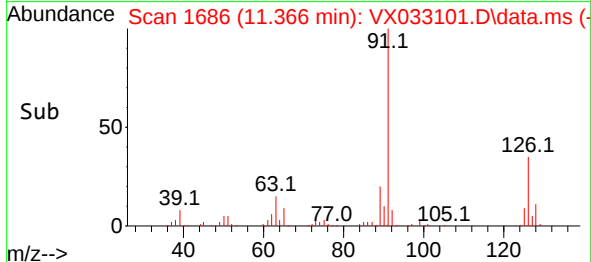
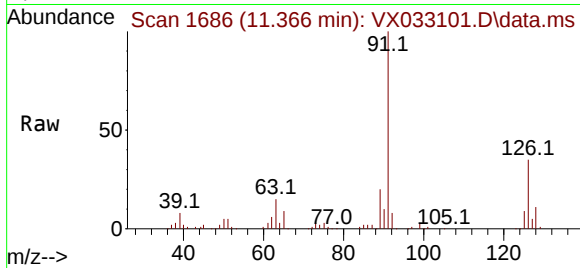
#75  
2-Chlorotoluene  
Concen: 20.222 ug/l  
RT: 11.366 min Scan# 1686  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 86420  
Ion Ratio Lower Upper  
91 100  
126 34.0 0.0 76.4

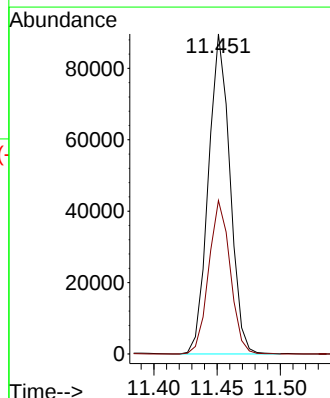
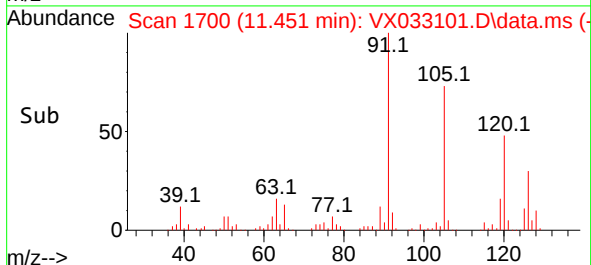
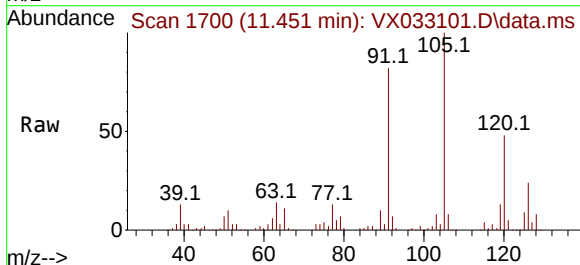
Manual Integrations  
APPROVED

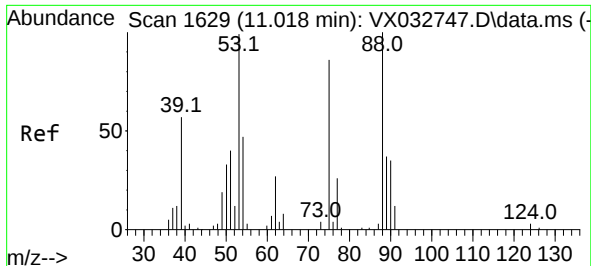
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#76  
1,3,5-Trimethylbenzene  
Concen: 20.245 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

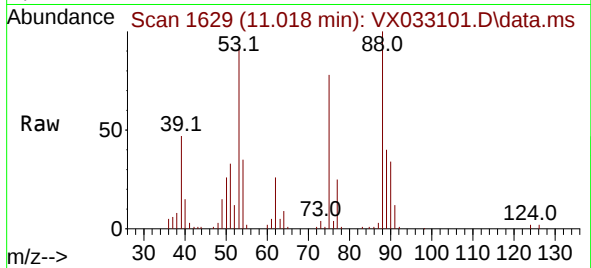
Tgt Ion:105 Resp: 106324  
Ion Ratio Lower Upper  
105 100  
120 47.7 0.0 100.6





#77  
t-1,4-Dichloro-2-butene  
Concen: 20.779 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

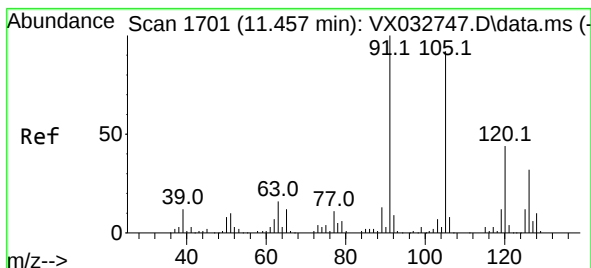
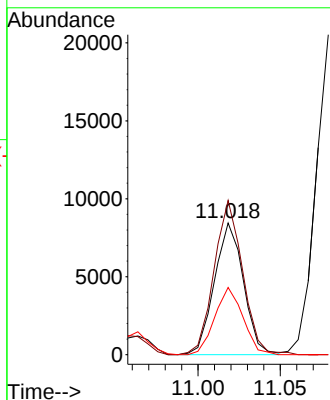
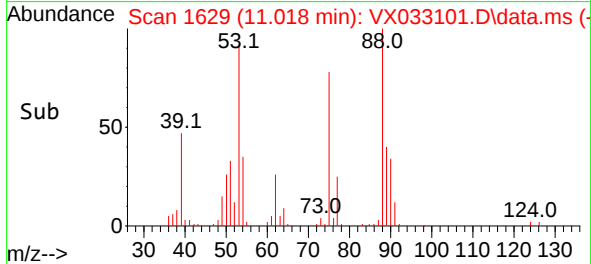
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



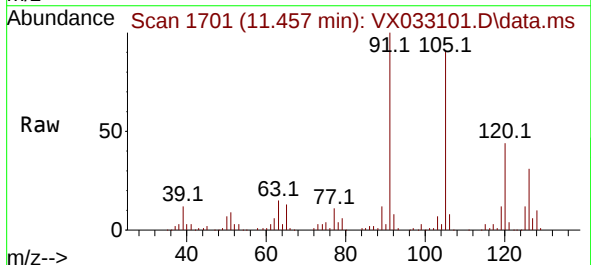
Tgt Ion: 75 Resp: 10375  
Ion Ratio Lower Upper  
75 100  
53 117.1 51.8 155.4  
89 51.0 22.9 68.8

Manual Integrations  
APPROVED

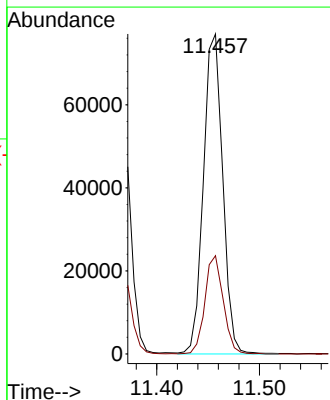
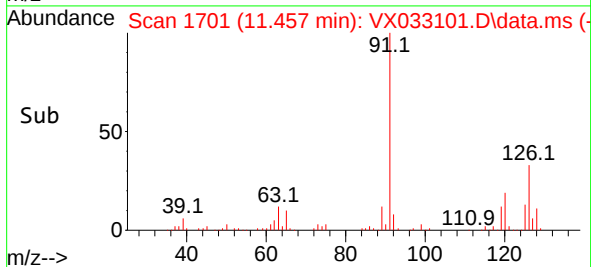
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

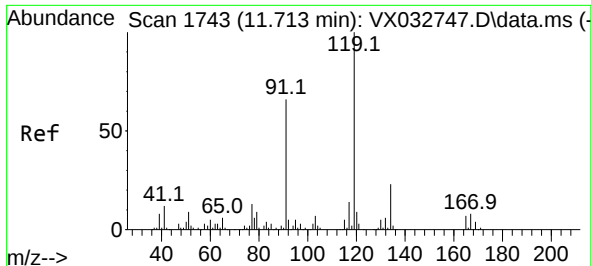


#78  
4-Chlorotoluene  
Concen: 20.438 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion: 91 Resp: 100614  
Ion Ratio Lower Upper  
91 100  
126 29.1 0.0 67.0





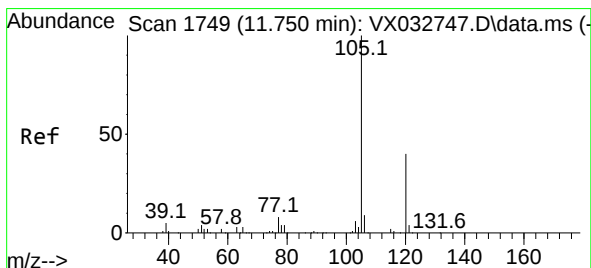
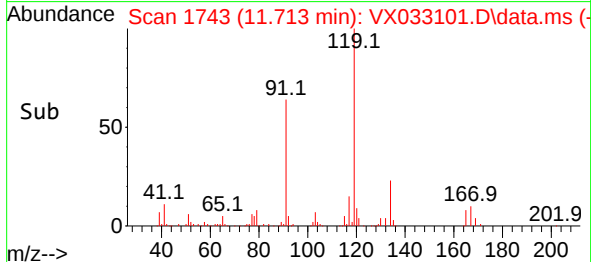
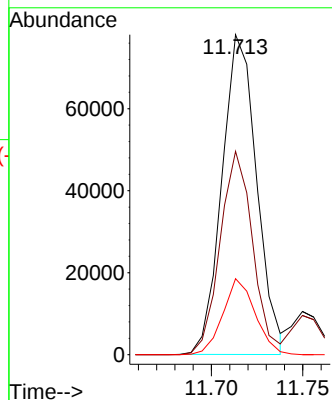
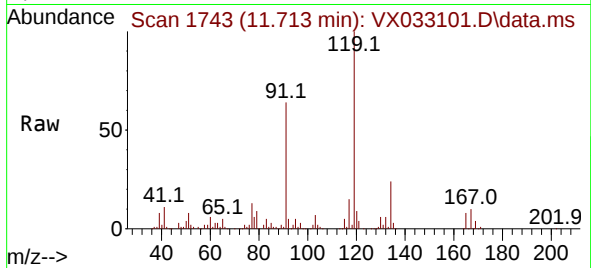
#79  
tert-butylbenzene  
Concen: 20.237 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion:119 Resp: 10328  
Ion Ratio Lower Upper  
119 100  
91 59.7 0.0 112.0  
134 22.2 0.0 51.0

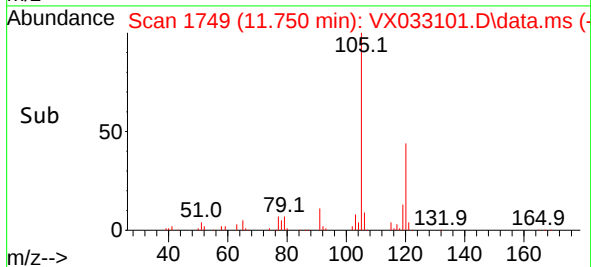
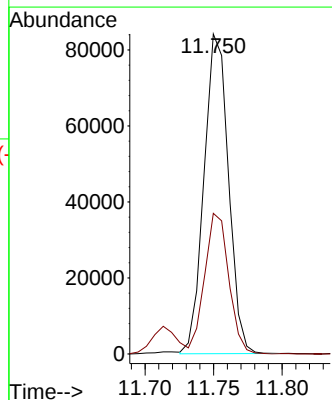
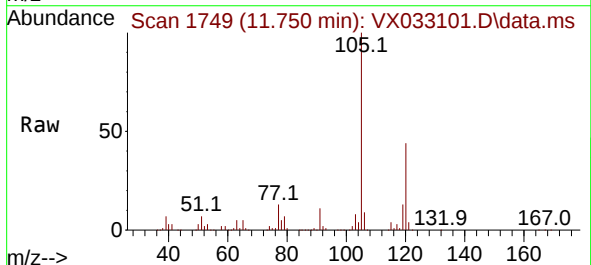
Manual Integrations  
APPROVED

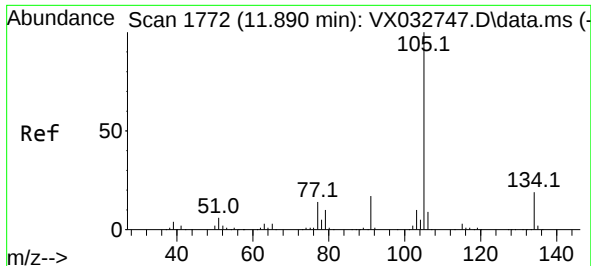
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#80  
1,2,4-Trimethylbenzene  
Concen: 20.341 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

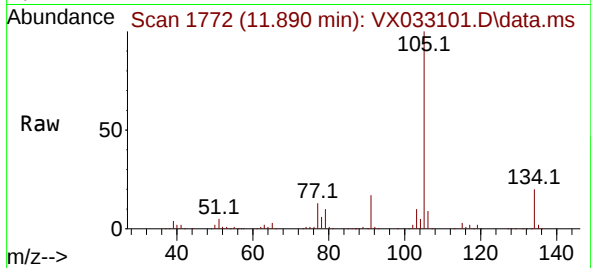
Tgt Ion:105 Resp: 104450  
Ion Ratio Lower Upper  
105 100  
120 43.5 0.0 95.0





#81  
 sec-Butylbenzene  
 Concen: 20.318 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX033101.D  
 Acq: 28 Nov 2022 20:05

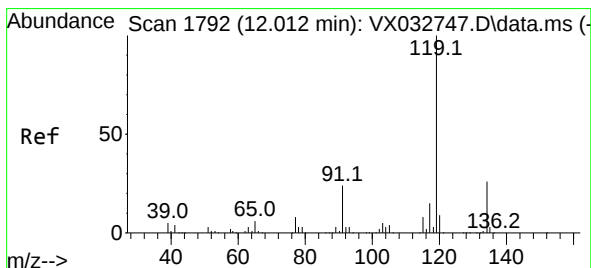
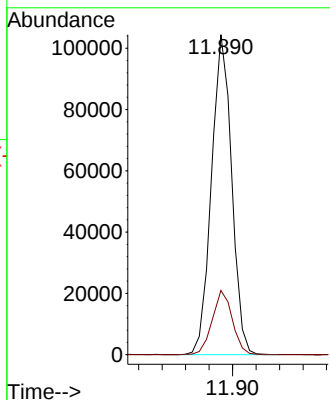
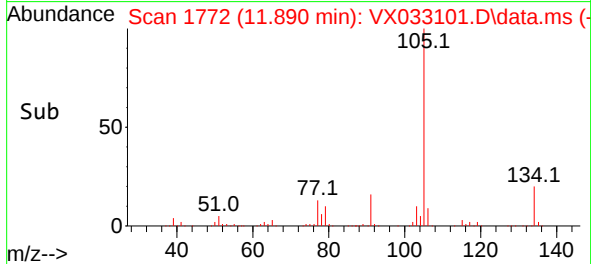
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC020EC



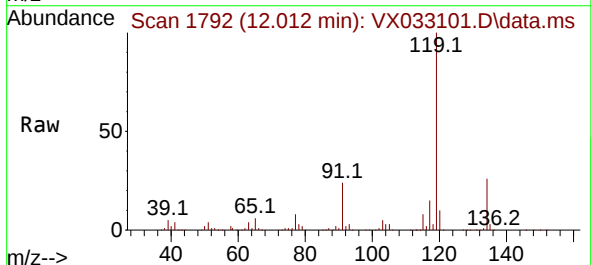
Tgt Ion:105 Resp: 12484  
 Ion Ratio Lower Upper  
 105 100  
 134 20.0 0.0 44.4

Manual Integrations  
 APPROVED

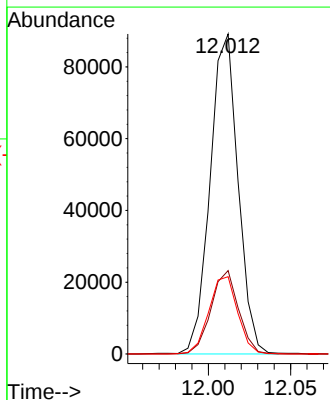
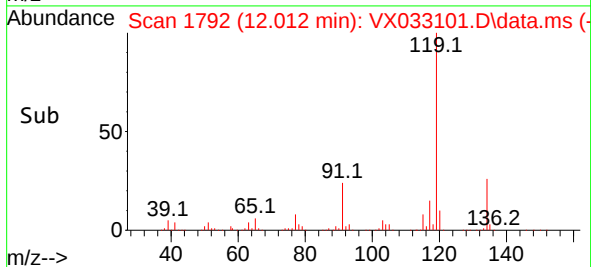
Reviewed By :John Carlone 11/29/2022  
 Supervised By :Mahesh Dadoda 11/29/2022

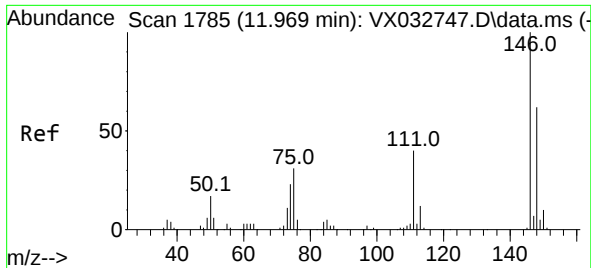


#82  
 p-Isopropyltoluene  
 Concen: 20.384 ug/l  
 RT: 12.012 min Scan# 1792  
 Delta R.T. -0.000 min  
 Lab File: VX033101.D  
 Acq: 28 Nov 2022 20:05



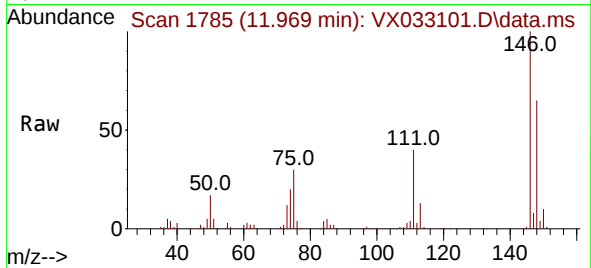
Tgt Ion:119 Resp: 105553  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 0.0 55.4  
 91 24.9 0.0 45.6





#83  
1,3-Dichlorobenzene  
Concen: 20.549 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

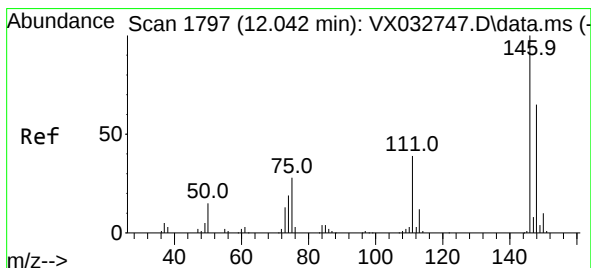
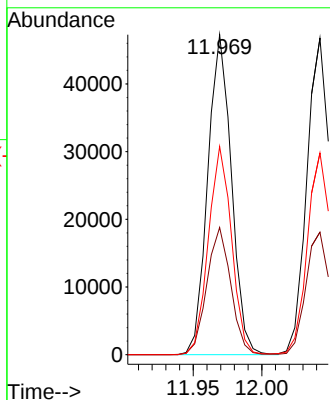
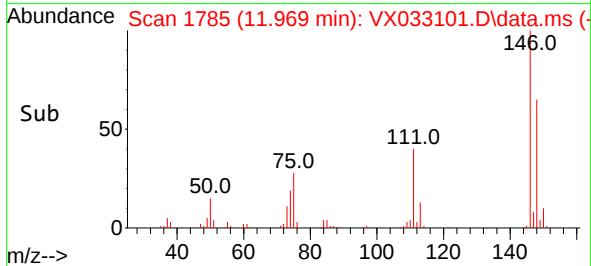
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



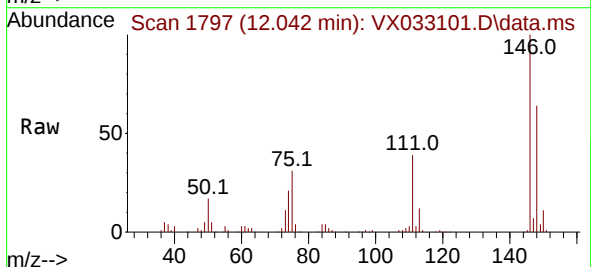
Tgt Ion:146 Resp: 56890  
Ion Ratio Lower Upper  
146 100  
111 40.3 19.4 58.1  
148 63.7 32.6 97.7

Manual Integrations  
APPROVED

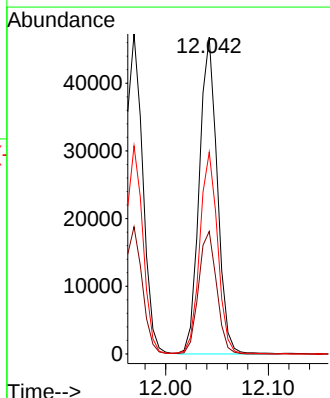
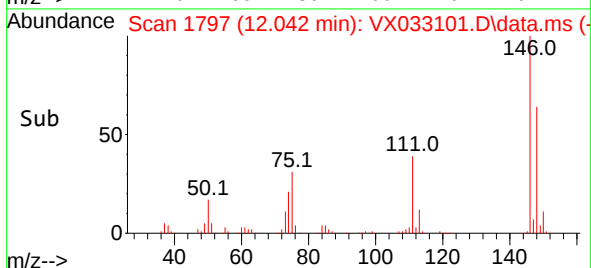
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

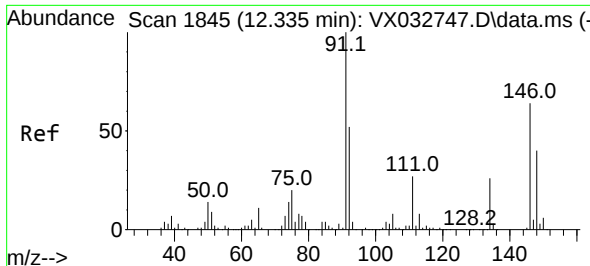


#84  
1,4-Dichlorobenzene  
Concen: 20.507 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion:146 Resp: 57020  
Ion Ratio Lower Upper  
146 100  
111 39.0 18.9 56.5  
148 62.6 31.6 95.0





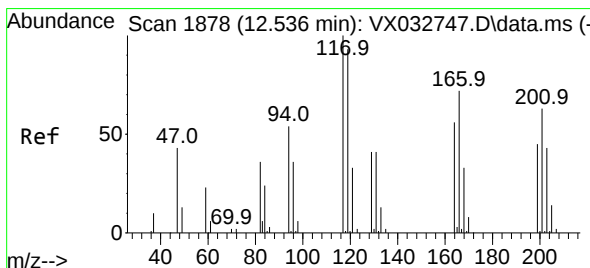
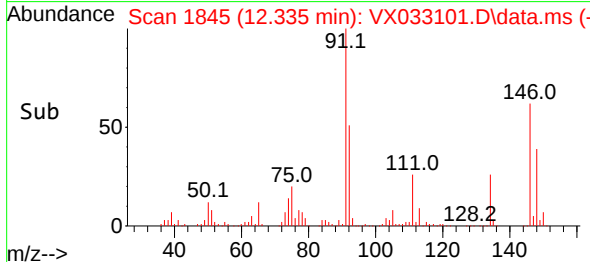
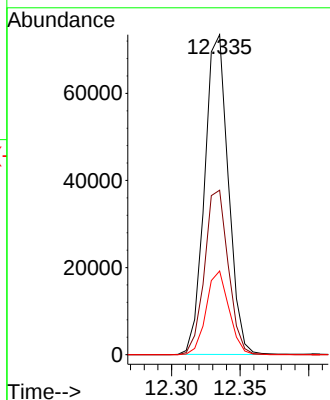
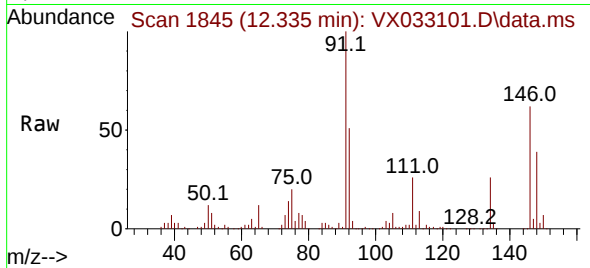
#85  
n-Butylbenzene  
Concen: 20.093 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC

Tgt Ion: 91 Resp: 8818  
Ion Ratio Lower Upper  
91 100  
92 51.7 0.0 108.4  
134 25.3 0.0 60.6

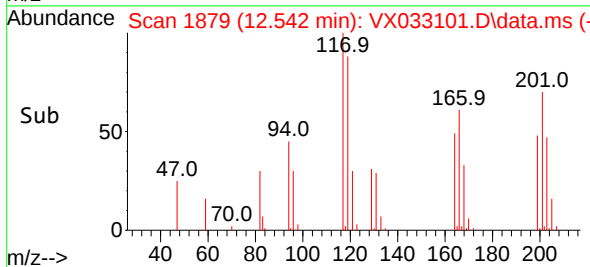
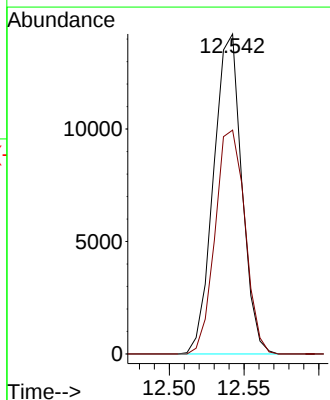
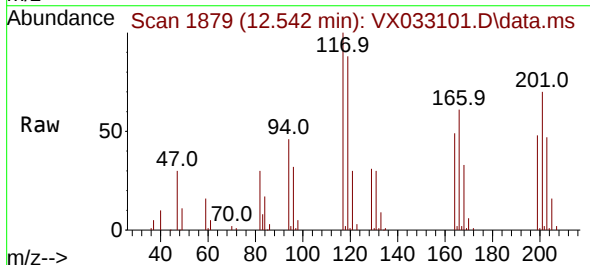
Manual Integrations  
APPROVED

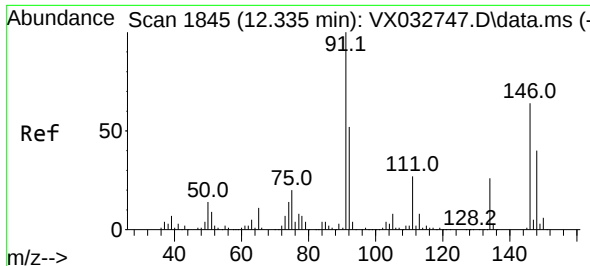
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#86  
Hexachloroethane  
Concen: 22.007 ug/l  
RT: 12.542 min Scan# 1879  
Delta R.T. 0.006 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

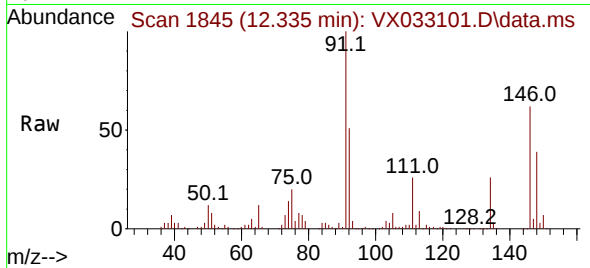
Tgt Ion:117 Resp: 18708  
Ion Ratio Lower Upper  
117 100  
201 73.9 37.7 113.1





#87  
1,2-Dichlorobenzene  
Concen: 20.509 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

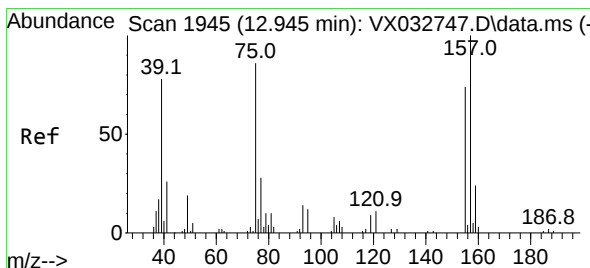
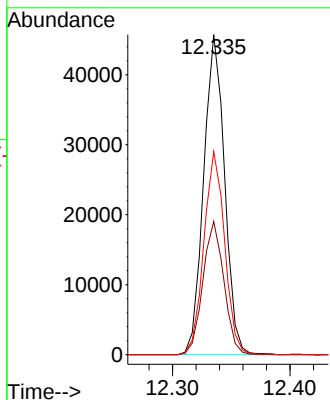
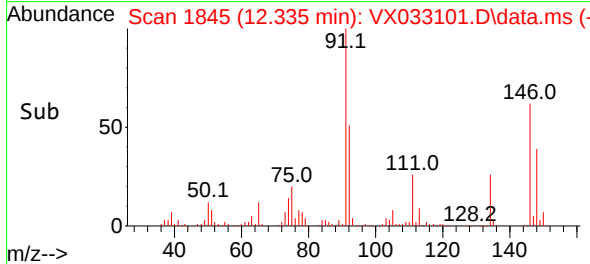
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



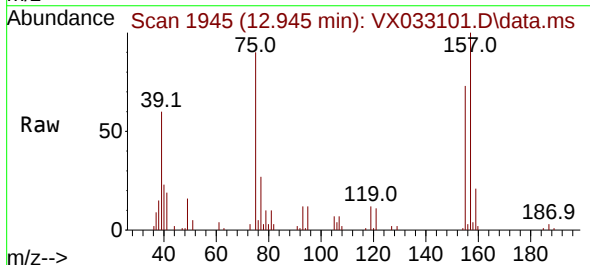
Tgt Ion:146 Resp: 5645  
Ion Ratio Lower Upper  
146 100  
111 41.7 20.0 60.0  
148 63.0 33.0 99.0

Manual Integrations  
APPROVED

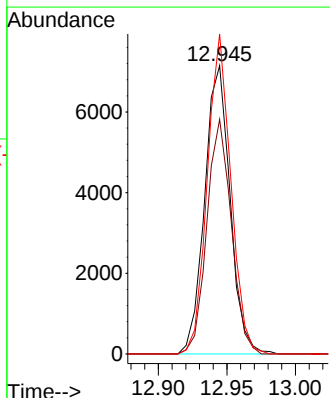
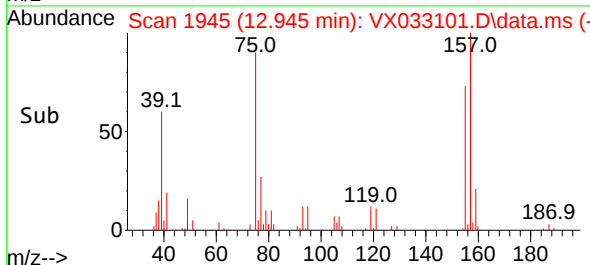
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

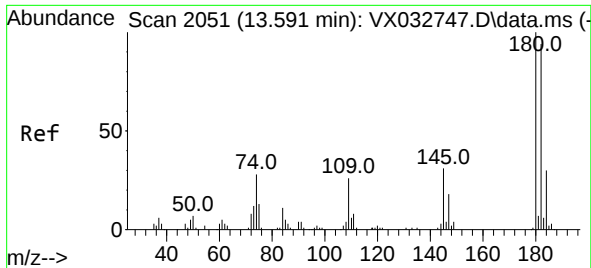


#88  
1,2-Dibromo-3-Chloropropane  
Concen: 23.087 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



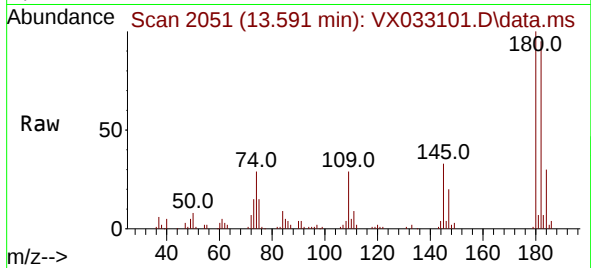
Tgt Ion: 75 Resp: 9228  
Ion Ratio Lower Upper  
75 100  
155 78.2 85.0 127.6#  
157 102.6 101.0 151.6





#89  
1,2,4-Trichlorobenzene  
Concen: 19.788 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

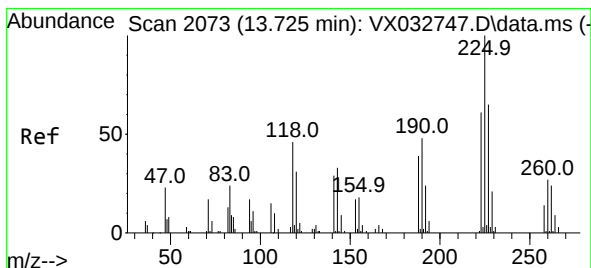
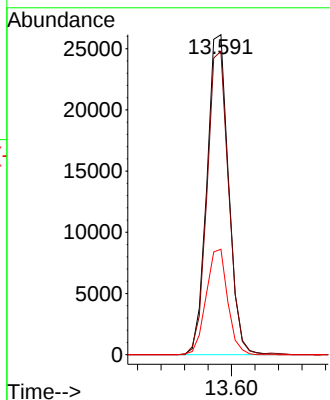
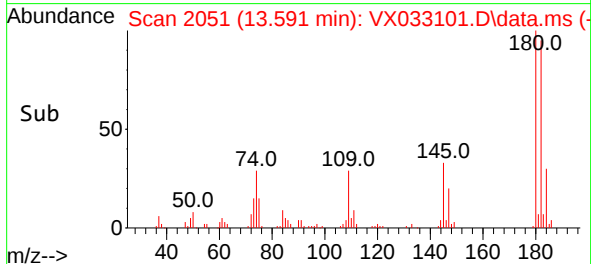
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



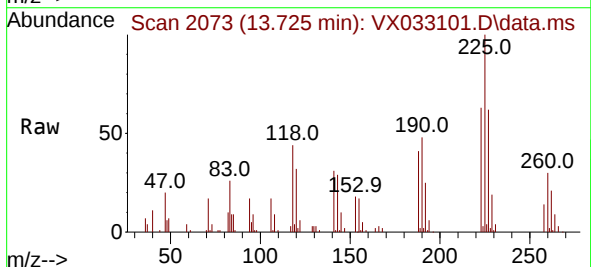
Tgt Ion:180 Resp: 33450  
Ion Ratio Lower Upper  
180 100  
182 94.7 75.3 112.9  
145 32.7 25.9 38.9

Manual Integrations  
APPROVED

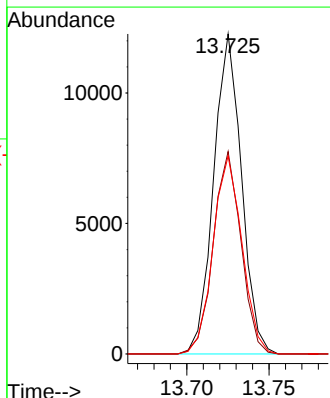
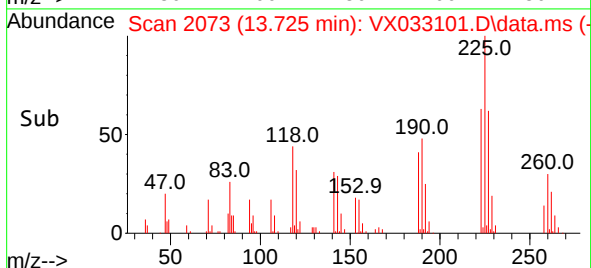
Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022

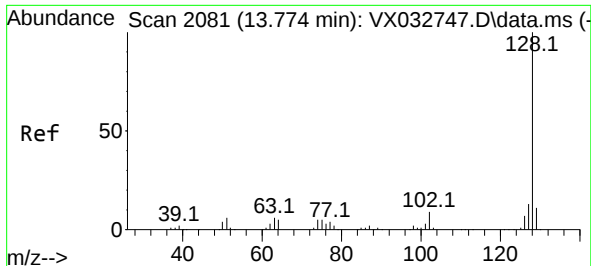


#90  
Hexachlorobutadiene  
Concen: 21.223 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



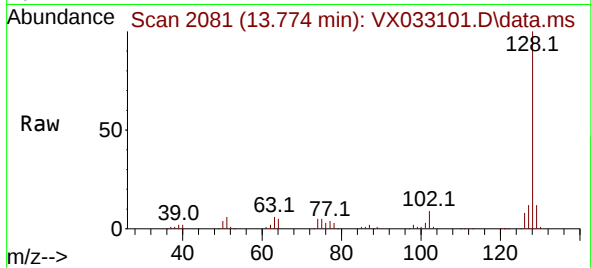
Tgt Ion:225 Resp: 14440  
Ion Ratio Lower Upper  
225 100  
223 62.8 0.0 126.0  
227 64.1 0.0 127.6





#91  
Naphthalene  
Concen: 20.252 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05

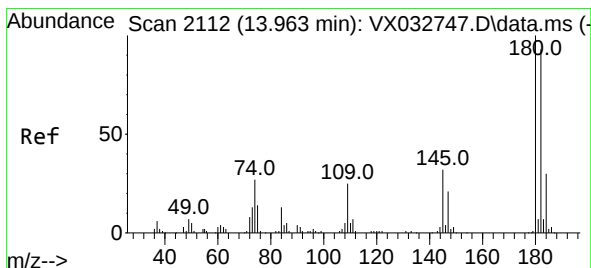
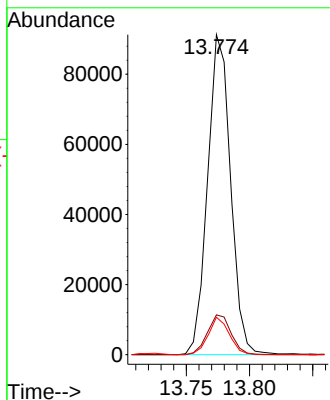
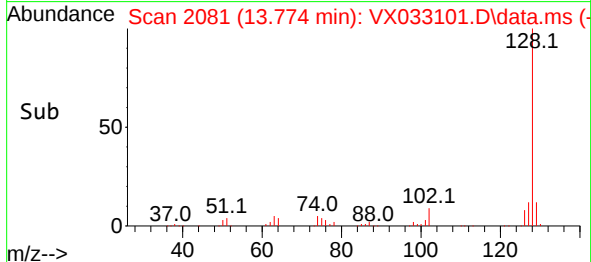
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC020EC



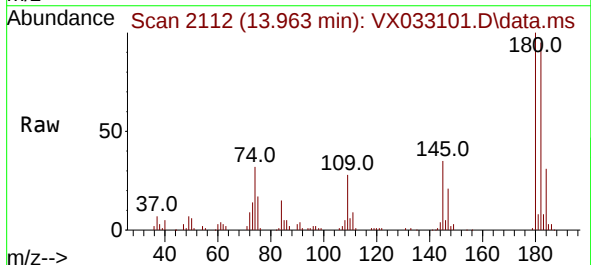
Tgt Ion:128 Resp: 115549  
Ion Ratio Lower Upper  
128 100  
127 12.8 9.9 14.9  
129 10.7 8.4 12.6

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/29/2022  
Supervised By :Mahesh Dadoda 11/29/2022



#92  
1,2,3-Trichlorobenzene  
Concen: 19.871 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX033101.D  
Acq: 28 Nov 2022 20:05



Tgt Ion:180 Resp: 33785  
Ion Ratio Lower Upper  
180 100  
182 95.6 0.0 199.0  
145 34.6 0.0 68.2

