

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121222\  
 Data File : VX033363.D  
 Acq On : 12 Dec 2022 10:35  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Dec 13 07:28:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X121222W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Dec 12 12:37:35 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Bromochloromethane        | 4.897          | 128  | 12167               | 30.000 | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 6.757          | 114  | 84063               | 30.000 | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 10.055         | 117  | 89935               | 30.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 27) 1,2-Dichloroethane-d4    | 5.952          | 65   | 33578               | 31.423 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 104.733% |        |        |          |
| 60) 4-Bromofluorobenzene     | 11.079         | 95   | 50247               | 30.166 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 100.567% |        |        |          |
| 63) Toluene-d8               | 8.647          | 98   | 91654               | 30.636 | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 102.133% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        |        |          |
|                              |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 5151                | 5.797  | ug/l   | 85       |
| 3) Chloromethane             | 1.294          | 50   | 5120                | 5.710  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 6282                | 5.839  | ug/l   | 94       |
| 5) Bromomethane              | 1.618          | 94   | 4805                | 6.107  | ug/l   | 98       |
| 6) Chloroethane              | 1.691          | 64   | 5197                | 6.534  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 13911               | 6.342  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 4384                | 6.400  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 7069                | 6.348  | ug/l   | 98       |
| 10) 1,1-Dichloroethene       | 2.319          | 96   | 6504                | 6.203  | ug/l   | 97       |
| 11) Methyl Iodide            | 2.453          | 142  | 5920                | 4.971  | ug/l   | 91       |
| 12) Methyl Acetate           | 2.703          | 43   | 8061                | 5.452  | ug/l   | 99       |
| 13) Acrolein                 | 2.239          | 56   | 6499                | 27.783 | ug/l   | 99       |
| 14) Acrylonitrile            | 3.068          | 53   | 14933               | 27.785 | ug/l   | 100      |
| 15) Acetone                  | 2.392          | 58   | 5154                | 27.899 | ug/l   | 97       |
| 16) Carbon Disulfide         | 2.514          | 76   | 17691               | 6.263  | ug/l   | 99       |
| 17) Allyl chloride           | 2.666          | 41   | 9798                | 5.693  | ug/l   | 97       |
| 18) Methylene Chloride       | 2.788          | 84   | 7320                | 6.015  | ug/l   | 95       |
| 19) trans-1,2-Dichloroethene | 3.093          | 96   | 6955                | 5.694  | ug/l   | 89       |
| 20) Diisopropyl ether        | 3.757          | 45   | 20566               | 5.679  | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 3.611          | 63   | 12410               | 5.809  | ug/l   | 98       |
| 22) cis-1,2-Dichloroethene   | 4.489          | 96   | 7940                | 5.600  | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 3.008          | 59   | 132                 | 0.576  | ug/l # | 1        |
| 24) Methyl tert-Butyl Ether  | 3.111          | 73   | 21531               | 5.675  | ug/l   | 97       |
| 25) Chloroform               | 5.093          | 83   | 14333               | 5.896  | ug/l   | 92       |
| 26) Cyclohexane              | 5.477          | 56   | 10916               | 5.842  | ug/l # | 97       |
| 29) 1,1-Dichloropropene      | 5.690          | 75   | 9879                | 5.815  | ug/l   | 98       |
| 30) 2-Butanone               | 4.568          | 43   | 21878               | 27.547 | ug/l # | 95       |
| 31) 2,2-Dichloropropane      | 4.477          | 77   | 10535               | 5.900  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 12904               | 5.884  | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 5.678          | 117  | 12165               | 6.066  | ug/l   | 95       |
| 34) Benzene                  | 6.031          | 78   | 28625               | 5.879  | ug/l   | 96       |
| 35) Methacrylonitrile        | 4.922          | 41   | 4573                | 5.618  | ug/l   | 97       |
| 36) 1,2-Dichloroethane       | 6.086          | 62   | 11218               | 5.994  | ug/l   | 100      |
| 37) Trichloroethene          | 7.129          | 130  | 7870                | 5.693  | ug/l   | 84       |
| 38) Methylcyclohexane        | 7.379          | 83   | 11841               | 5.915  | ug/l   | 99       |
| 39) 1,2-Dichloropropane      | 7.434          | 63   | 6995                | 5.762  | ug/l   | 96       |
| 40) Dibromomethane           | 7.586          | 93   | 5569                | 5.995  | ug/l   | 97       |
| 41) Bromodichloromethane     | 7.818          | 83   | 11158               | 5.862  | ug/l   | 97       |
| 42) Vinyl Acetate            | 3.721          | 43   | 75895               | 27.601 | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121222\  
 Data File : VX033363.D  
 Acq On : 12 Dec 2022 10:35  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

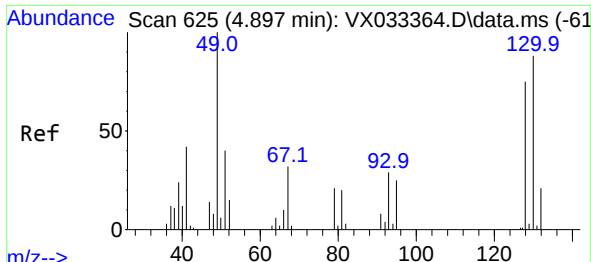
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Dec 13 07:28:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X121222W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Dec 12 12:37:35 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 4.715  | 43   | 6807     | 4.767  | ug/l # | 86       |
| 44) Isopropyl Acetate         | 6.336  | 43   | 13528    | 5.580  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 7.696  | 88   | 853      | 30.042 | ug/l # | 1        |
| 46) Methyl methacrylate       | 7.696  | 41   | 6495     | 5.379  | ug/l   | 98       |
| 47) n-amyl Acetate            | 10.841 | 43   | 10264    | 5.045  | ug/l   | 98       |
| 48) t-1,3-Dichloropropene     | 8.982  | 75   | 10115    | 5.298  | ug/l   | 95       |
| 49) cis-1,3-Dichloropropene   | 8.366  | 75   | 11206    | 5.468  | ug/l # | 91       |
| 50) 1,1,2-Trichloroethane     | 9.153  | 97   | 7120     | 5.543  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 9.116  | 69   | 9487     | 5.169  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 9.311  | 76   | 12043    | 5.741  | ug/l   | 97       |
| 53) Dibromochloromethane      | 9.519  | 129  | 8804     | 5.703  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 9.610  | 107  | 7683     | 5.464  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 8.238  | 63   | 25637    | 29.749 | ug/l   | 99       |
| 56) Bromoform                 | 10.799 | 173  | 6001     | 5.385  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 8.574  | 43   | 41903    | 28.813 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 31130    | 27.992 | ug/l   | 99       |
| 61) Tetrachloroethene         | 9.275  | 164  | 7471     | 6.204  | ug/l   | 96       |
| 62) Toluene                   | 8.720  | 91   | 31863    | 5.837  | ug/l   | 99       |
| 64) Chlorobenzene             | 10.079 | 112  | 20249    | 5.864  | ug/l   | 94       |
| 65) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 7977     | 5.849  | ug/l   | 96       |
| 66) Ethyl Benzene             | 10.195 | 91   | 34942    | 5.681  | ug/l   | 98       |
| 67) m/p-Xylenes               | 10.299 | 106  | 27194    | 11.310 | ug/l   | 99       |
| 68) o-Xylene                  | 10.640 | 106  | 13081    | 5.584  | ug/l   | 97       |
| 69) Styrene                   | 10.659 | 104  | 20959    | 5.385  | ug/l   | 97       |
| 70) Isopropylbenzene          | 10.963 | 105  | 35158    | 5.655  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 10671    | 5.804  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 11.238 | 75   | 10869    | 6.638  | ug/l   | 96       |
| 73) Bromobenzene              | 11.201 | 156  | 8804     | 5.724  | ug/l   | 99       |
| 74) n-propylbenzene           | 11.305 | 91   | 40009    | 5.616  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 25089    | 5.859  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 29051    | 5.559  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 11.018 | 75   | 2667     | 4.899  | ug/l   | 86       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 27835    | 5.672  | ug/l   | 99       |
| 79) tert-butylbenzene         | 11.713 | 119  | 29297    | 5.655  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 28826    | 5.611  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 34850    | 5.597  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 12.012 | 119  | 29762    | 5.605  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 15779    | 5.574  | ug/l   | 96       |
| 84) 1,4-Dichlorobenzene       | 12.042 | 146  | 16407    | 5.758  | ug/l   | 98       |
| 85) n-Butylbenzene            | 12.335 | 91   | 24079    | 5.432  | ug/l   | 98       |
| 86) Hexachloroethane          | 12.536 | 117  | 5431     | 5.762  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 15974    | 5.726  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 2242     | 5.597  | ug/l   | 95       |
| 89) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 9061     | 5.258  | ug/l   | 100      |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 4230     | 5.785  | ug/l   | 96       |
| 91) Naphthalene               | 13.774 | 128  | 28454    | 5.102  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 9360     | 5.424  | ug/l   | 97       |

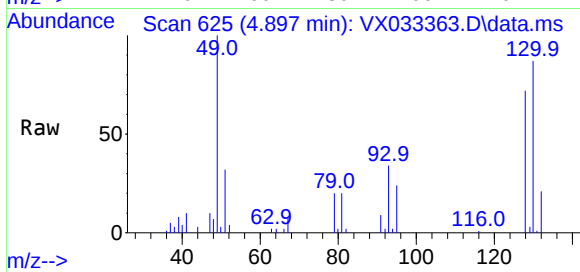
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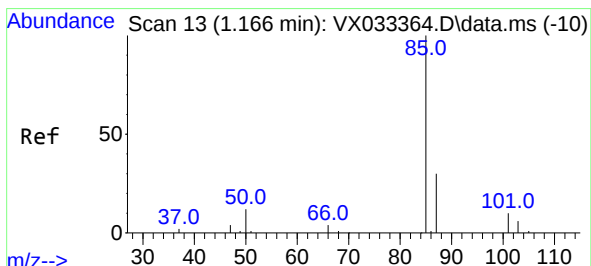
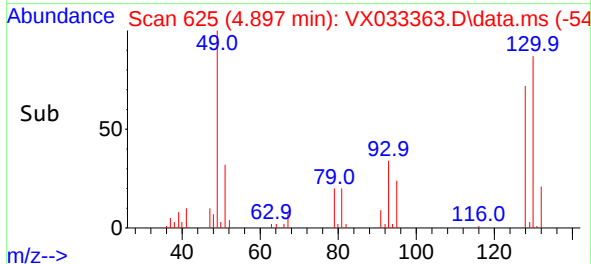
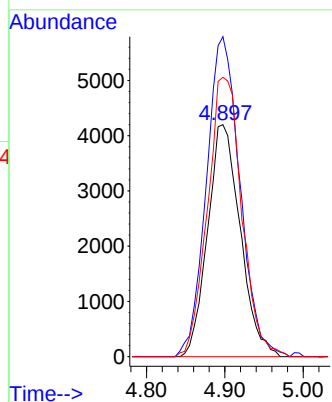


#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 4.897 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

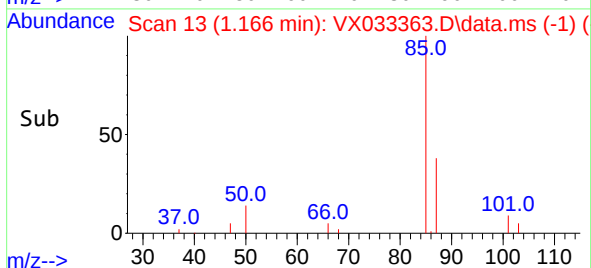
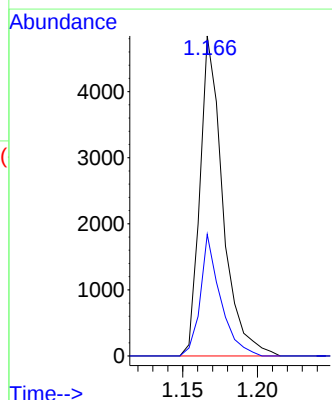
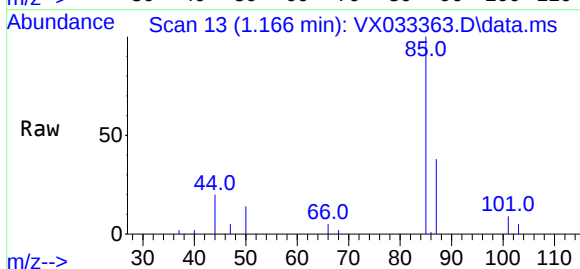


Tgt Ion:128 Resp: 12167  
Ion Ratio Lower Upper  
128 100  
49 141.6 0.0 339.5  
130 126.4 0.0 318.0

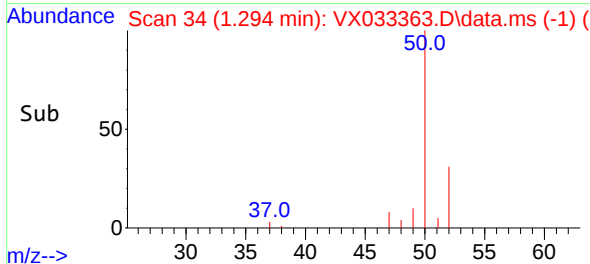
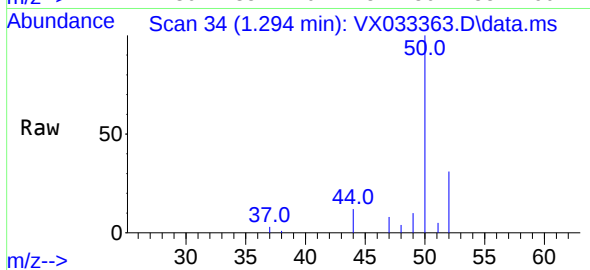
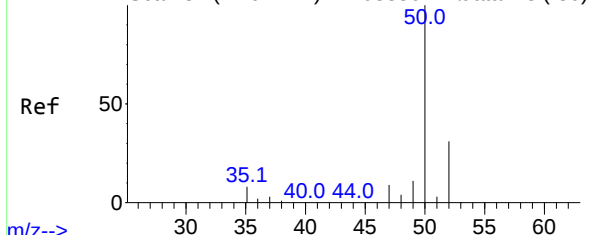


#2  
Dichlorodifluoromethane  
Concen: 5.797 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 85 Resp: 5151  
Ion Ratio Lower Upper  
85 100  
87 38.0 14.9 44.7



Abundance Scan 34 (1.294 min): VX033364.D\data.ms (-30)



#3

Chloromethane

Concen: 5.710 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

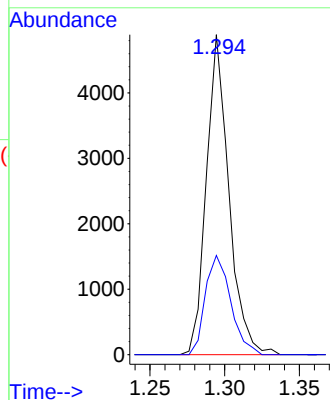
VSTDICC005

Tgt Ion: 50 Resp: 5120

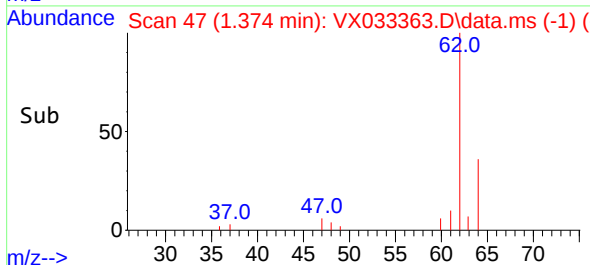
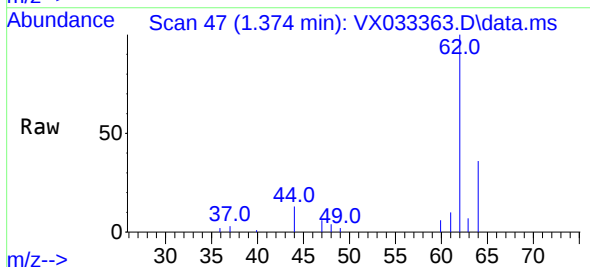
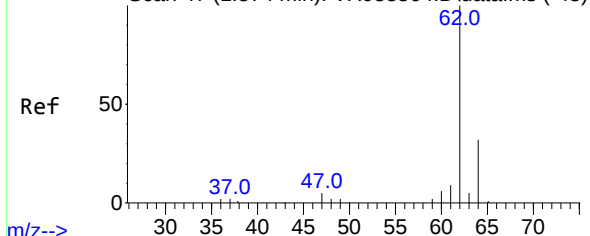
Ion Ratio Lower Upper

50 100

52 31.0 24.6 36.8



Abundance Scan 47 (1.374 min): VX033364.D\data.ms (-43)



#4

Vinyl Chloride

Concen: 5.839 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX033363.D

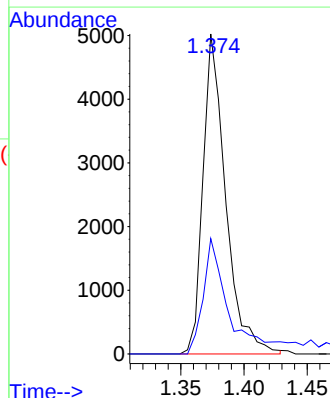
Acq: 12 Dec 2022 10:35

Tgt Ion: 62 Resp: 6282

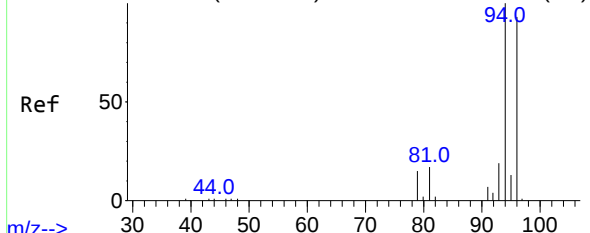
Ion Ratio Lower Upper

62 100

64 36.0 25.9 38.9



Abundance Scan 87 (1.618 min): VX033364.D\data.ms (-82)



#5

Bromomethane

Concen: 6.107 ug/l

RT: 1.618 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

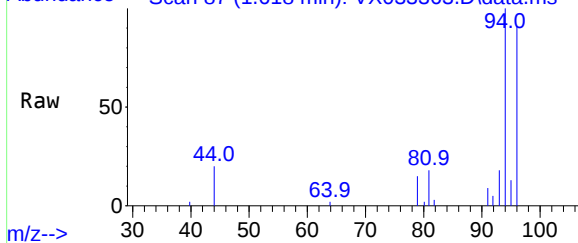
Tgt Ion: 94 Resp: 4805

Ion Ratio Lower Upper

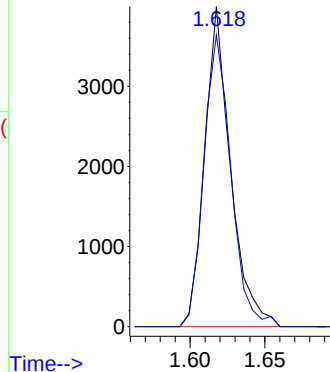
94 100

96 91.1 74.2 111.2

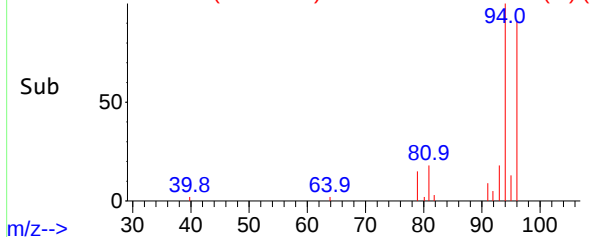
Abundance Scan 87 (1.618 min): VX033363.D\data.ms



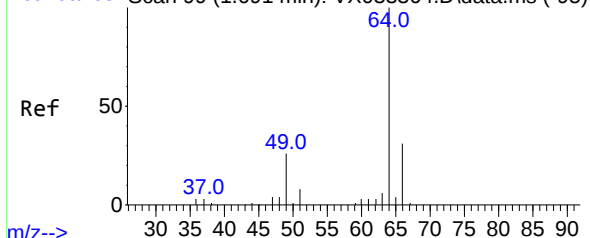
Abundance



Abundance Scan 87 (1.618 min): VX033363.D\data.ms (-5)



Abundance Scan 99 (1.691 min): VX033364.D\data.ms (-95)



#6

Chloroethane

Concen: 6.534 ug/l

RT: 1.691 min Scan# 99

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

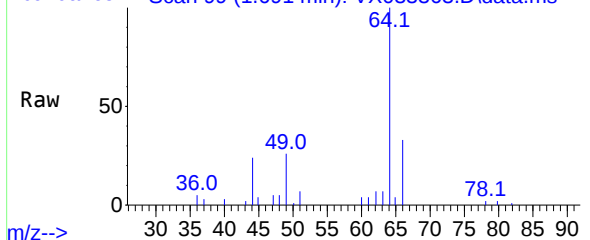
Tgt Ion: 64 Resp: 5197

Ion Ratio Lower Upper

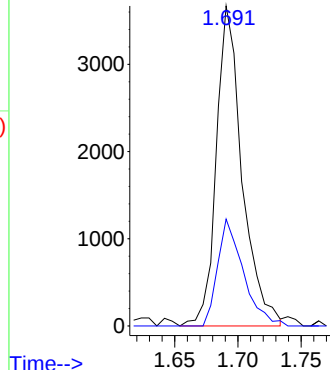
64 100

66 33.4 24.8 37.2

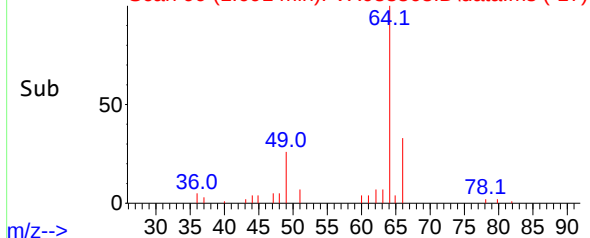
Abundance Scan 99 (1.691 min): VX033363.D\data.ms

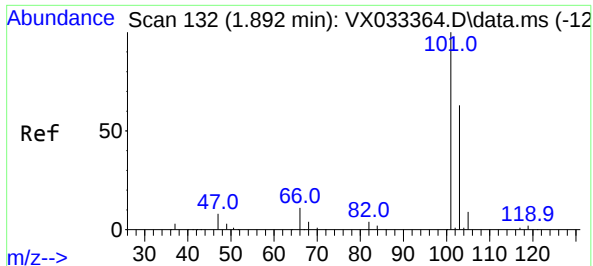


Abundance



Abundance Scan 99 (1.691 min): VX033363.D\data.ms (-17)

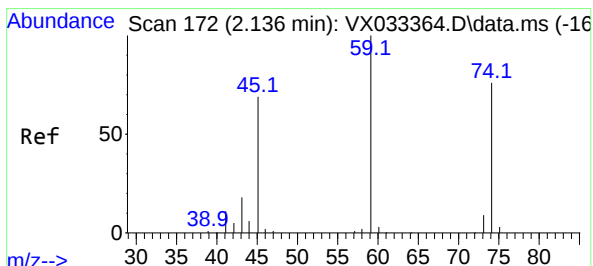
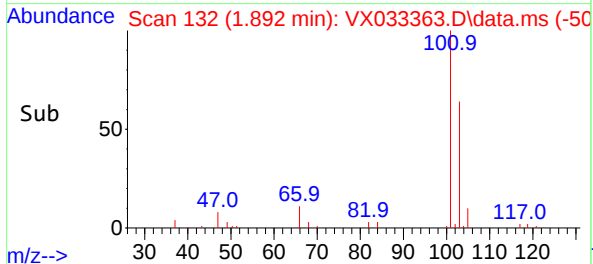
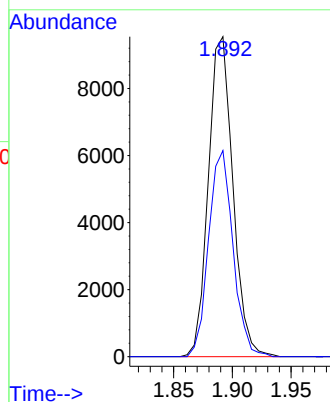
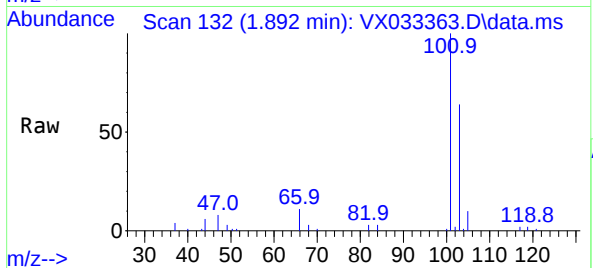




#7  
 Trichlorofluoromethane  
 Concen: 6.342 ug/l  
 RT: 1.892 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX033363.D  
 Acq: 12 Dec 2022 10:35

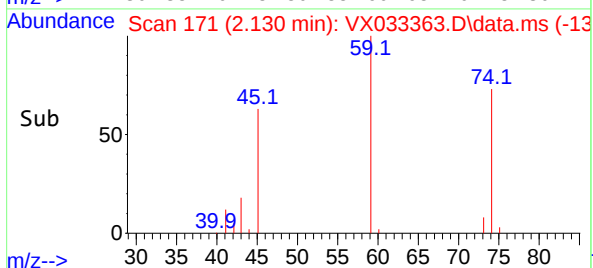
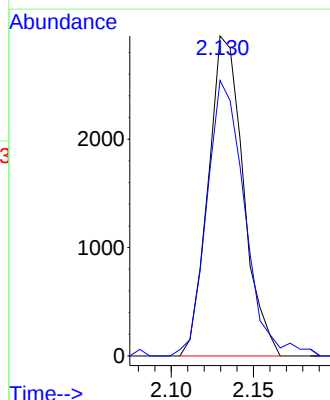
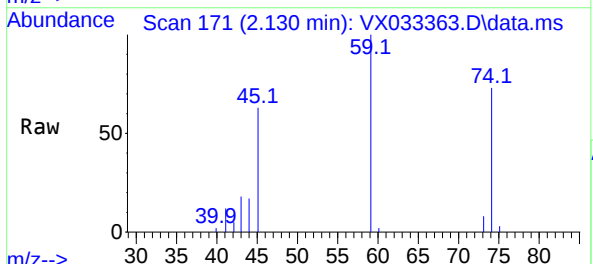
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

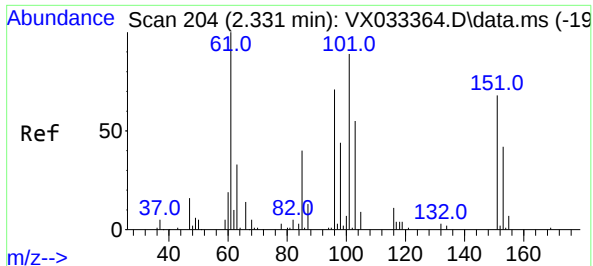
Tgt Ion:101 Resp: 13911  
 Ion Ratio Lower Upper  
 101 100  
 103 64.4 50.3 75.5



#8  
 Diethyl Ether  
 Concen: 6.400 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.006 min  
 Lab File: VX033363.D  
 Acq: 12 Dec 2022 10:35

Tgt Ion: 74 Resp: 4384  
 Ion Ratio Lower Upper  
 74 100  
 45 90.8 18.0 161.8

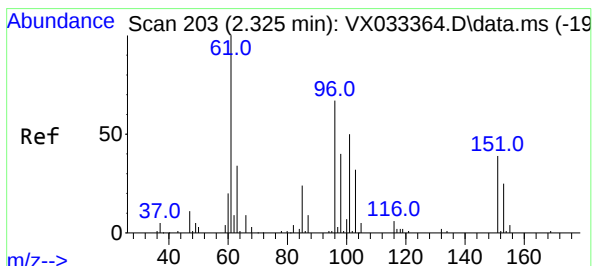
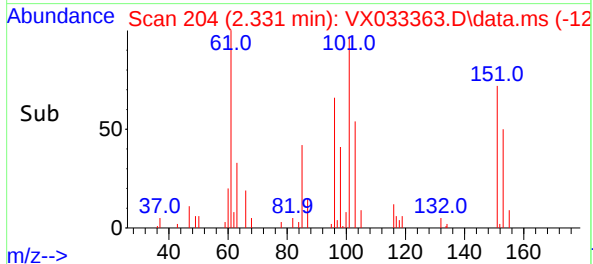
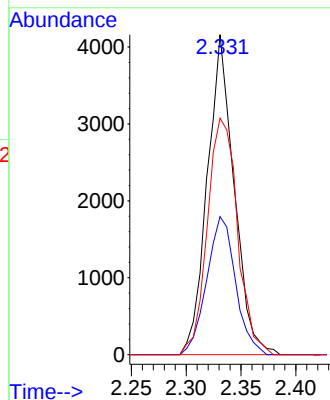
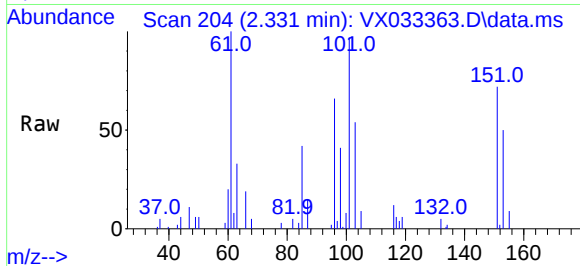




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 6.348 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

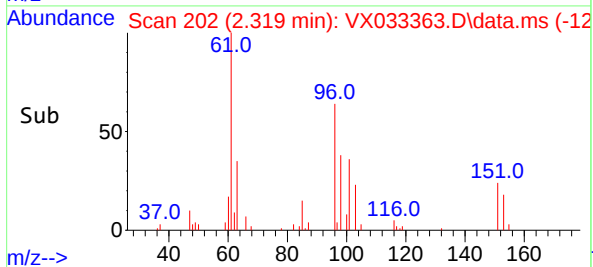
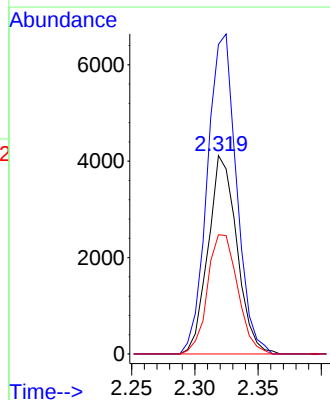
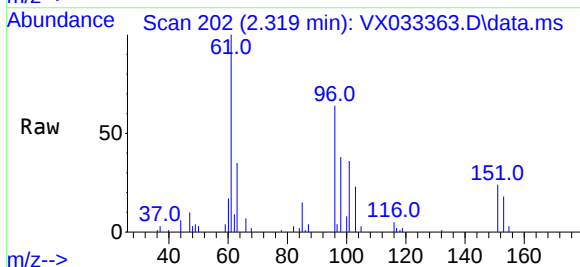
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

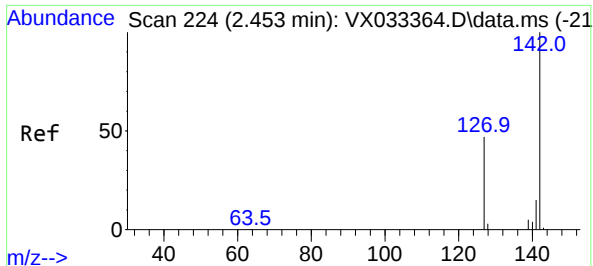
Tgt Ion:101 Resp: 7069  
Ion Ratio Lower Upper  
101 100  
85 46.4 0.0 88.8  
151 83.0 0.0 162.2



#10  
1,1-Dichloroethene  
Concen: 6.203 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

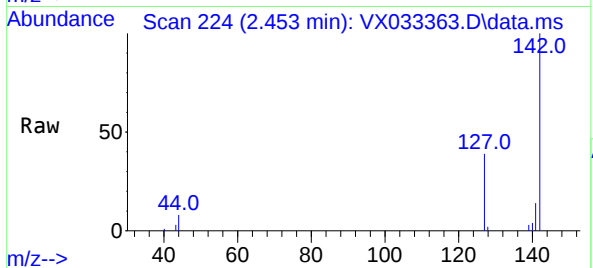
Tgt Ion: 96 Resp: 6504  
Ion Ratio Lower Upper  
96 100  
61 156.0 120.5 180.7  
98 60.0 47.8 71.6



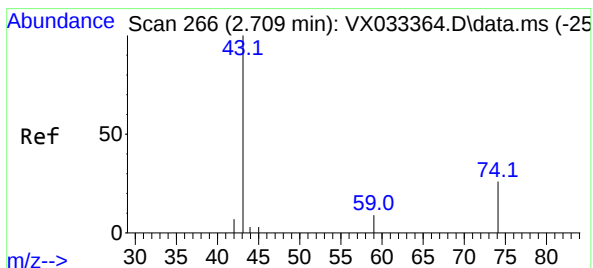
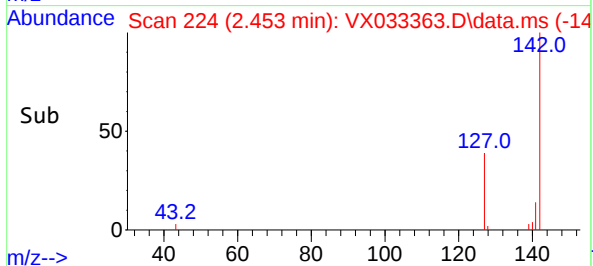
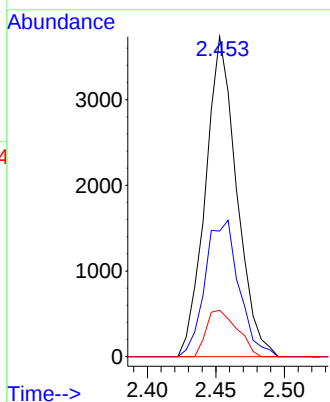


#11  
Methyl Iodide  
Concen: 4.971 ug/l  
RT: 2.453 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

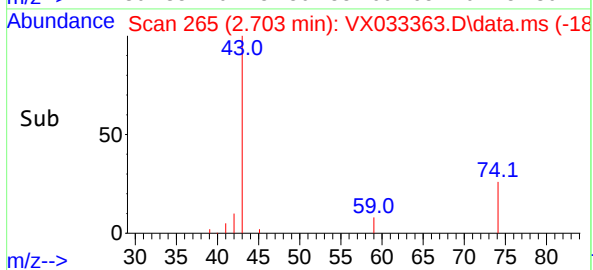
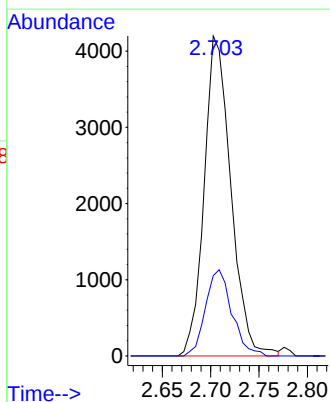
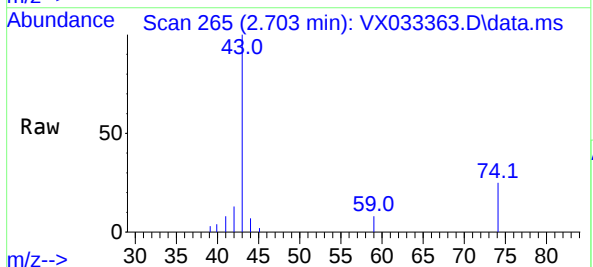


Tgt Ion:142 Resp: 5920  
Ion Ratio Lower Upper  
142 100  
127 39.3 23.4 70.3  
141 14.5 7.8 23.3

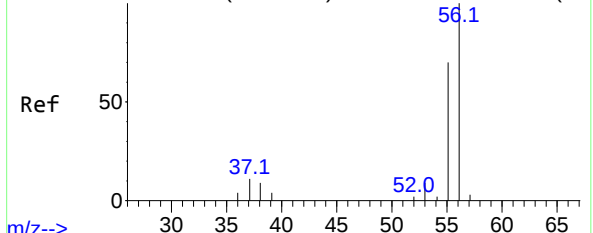


#12  
Methyl Acetate  
Concen: 5.452 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 43 Resp: 8061  
Ion Ratio Lower Upper  
43 100  
74 25.3 20.6 31.0

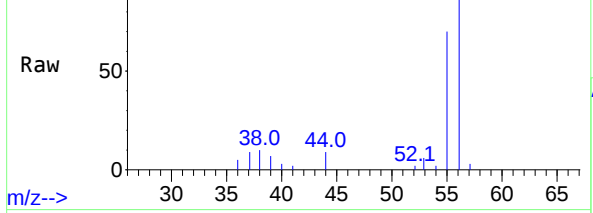


Abundance Scan 189 (2.239 min): VX033364.D\data.ms (-18



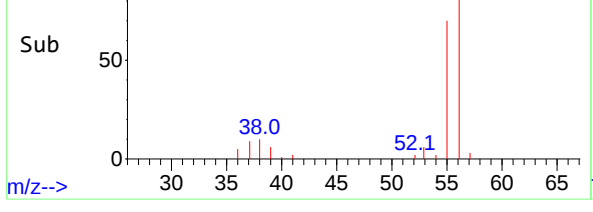
m/z-->

Abundance Scan 189 (2.239 min): VX033363.D\data.ms



m/z-->

Abundance Scan 189 (2.239 min): VX033363.D\data.ms (-10



m/z-->

#13

Acrolein

Concen: 27.783 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

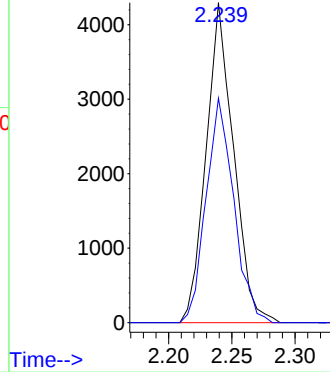
Tgt Ion: 56 Resp: 6499

Ion Ratio Lower Upper

56 100

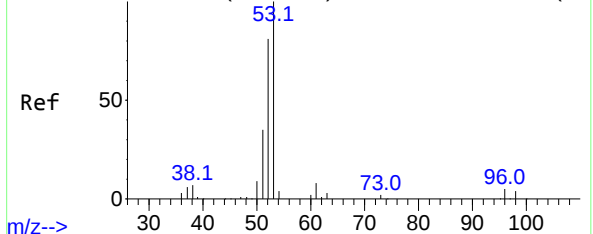
55 70.7 57.2 85.8

Abundance



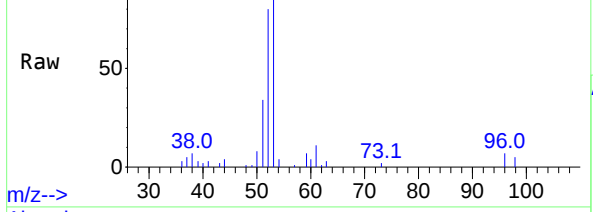
Time-->

Abundance Scan 325 (3.068 min): VX033364.D\data.ms (-31



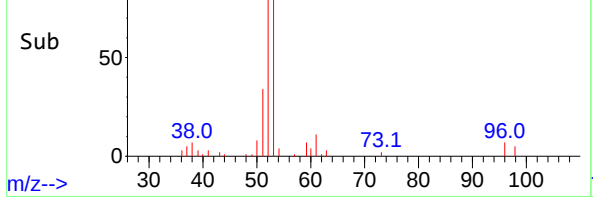
m/z-->

Abundance Scan 325 (3.068 min): VX033363.D\data.ms



m/z-->

Abundance Scan 325 (3.068 min): VX033363.D\data.ms (-24



m/z-->

#14

Acrylonitrile

Concen: 27.785 ug/l

RT: 3.068 min Scan# 325

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion: 53 Resp: 14933

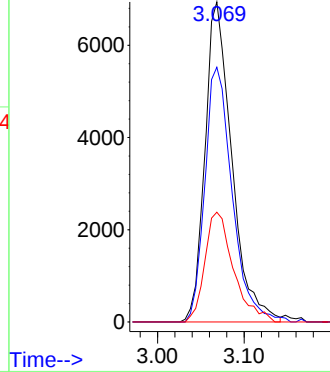
Ion Ratio Lower Upper

53 100

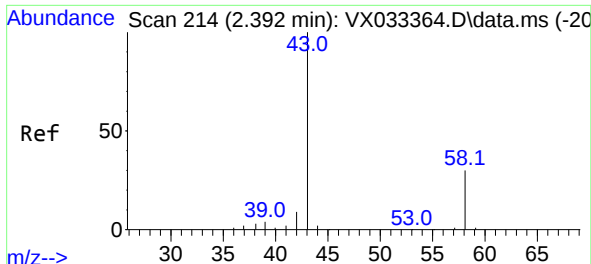
52 80.9 40.3 120.8

51 36.7 18.4 55.4

Abundance



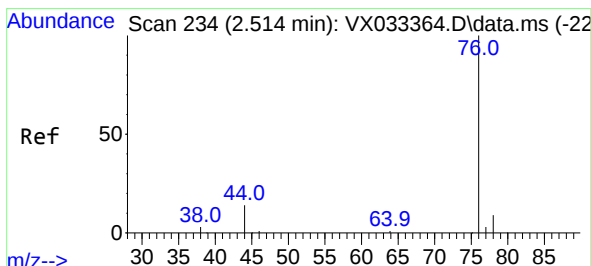
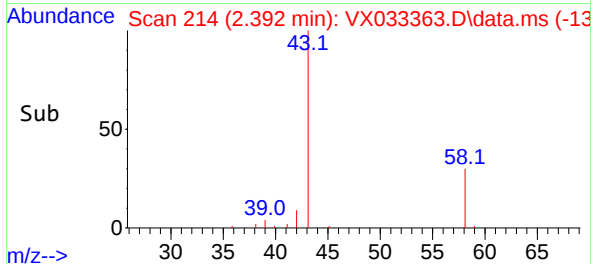
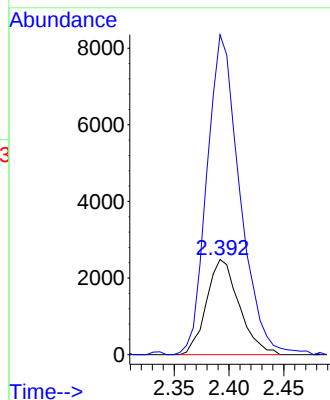
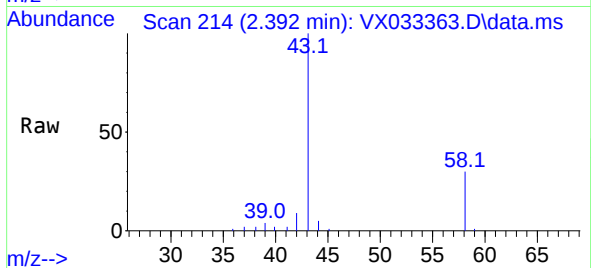
Time-->



#15  
Acetone  
Concen: 27.899 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

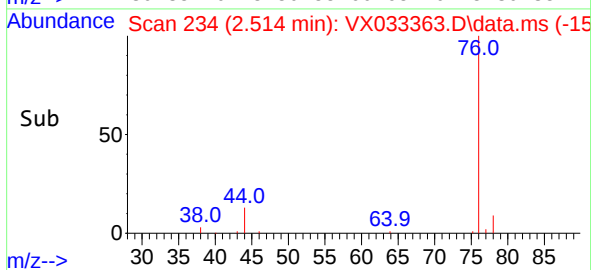
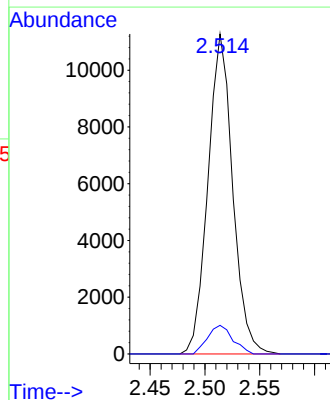
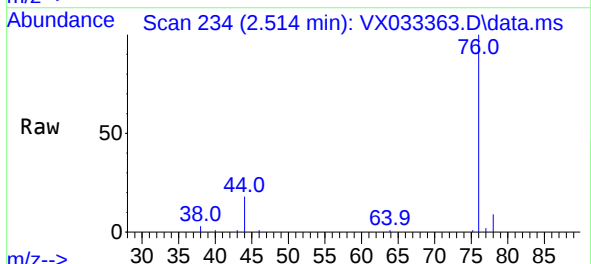
Instrument :  
MSVOA\_X  
Client Sample Id :  
VSTDICC005

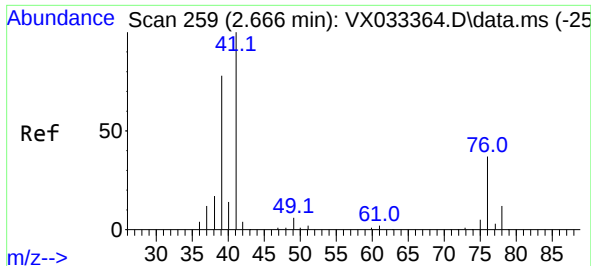
Tgt Ion: 58 Resp: 5154  
Ion Ratio Lower Upper  
58 100  
43 333.9 262.9 394.3



#16  
Carbon Disulfide  
Concen: 6.263 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 76 Resp: 17691  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.0 10.4

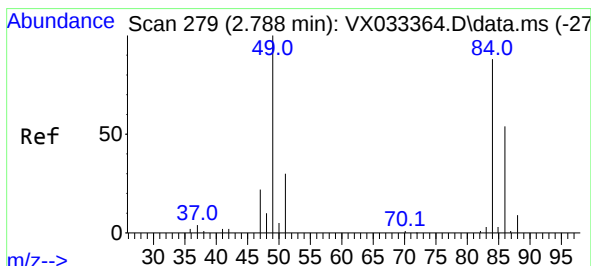
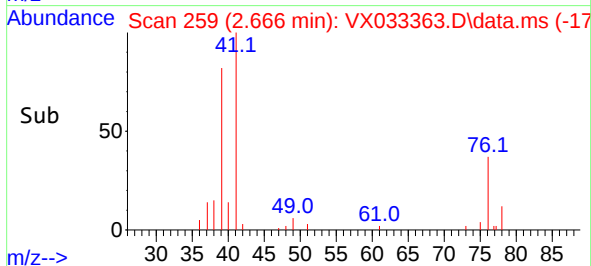
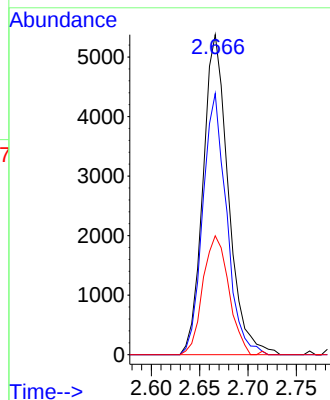
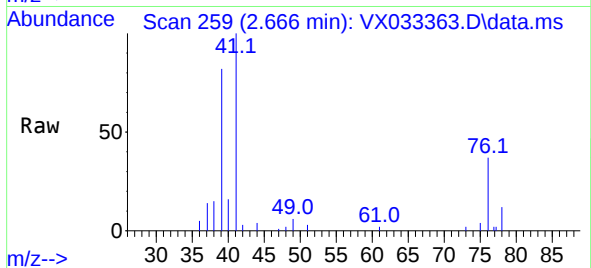




#17  
 Allyl chloride  
 Concen: 5.693 ug/l  
 RT: 2.666 min Scan# 259  
 Delta R.T. 0.000 min  
 Lab File: VX033363.D  
 Acq: 12 Dec 2022 10:35

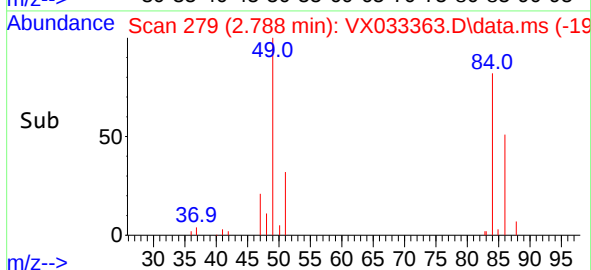
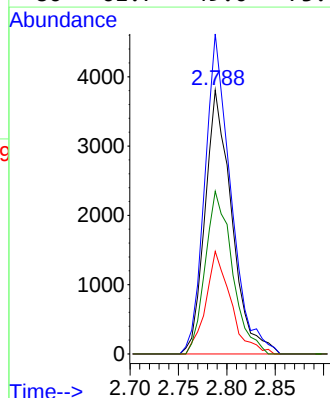
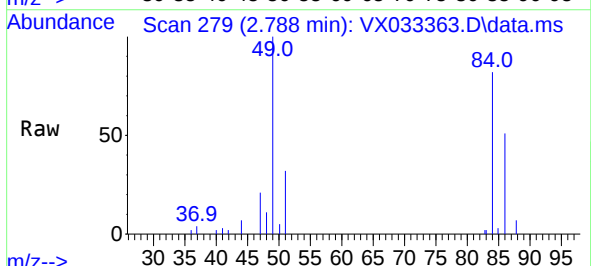
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

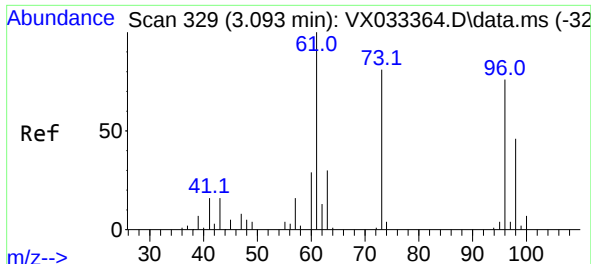
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 9798  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 81.6  | 39.1  | 117.2 |
| 76       | 37.2  | 18.6  | 55.8  |



#18  
 Methylene Chloride  
 Concen: 6.015 ug/l  
 RT: 2.788 min Scan# 279  
 Delta R.T. 0.000 min  
 Lab File: VX033363.D  
 Acq: 12 Dec 2022 10:35

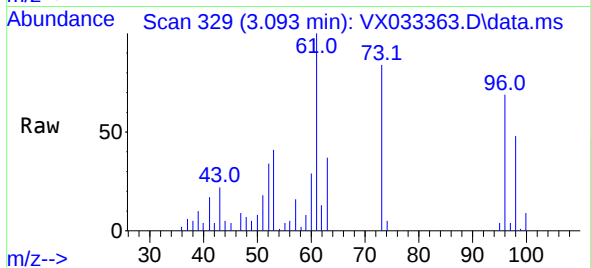
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 7320  |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 121.3 | 91.2  | 136.8 |
| 51       | 38.8  | 27.3  | 40.9  |
| 86       | 61.7  | 49.0  | 73.4  |





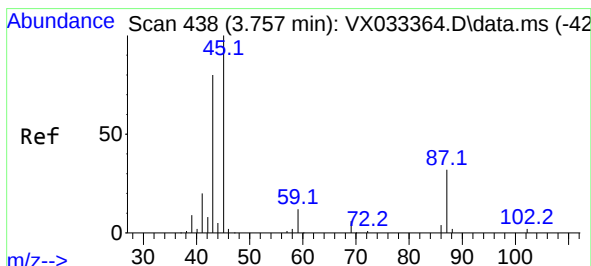
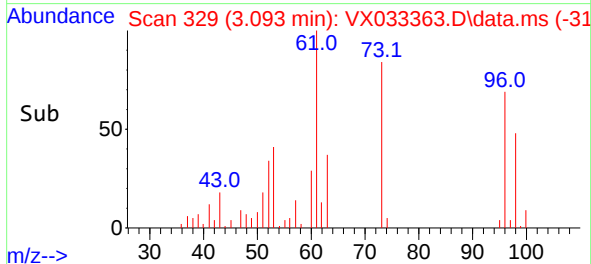
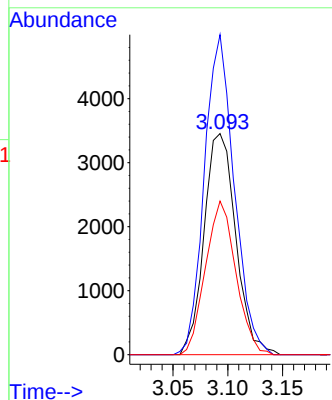
#19  
trans-1,2-Dichloroethene  
Concen: 5.694 ug/l  
RT: 3.093 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion: 96 Resp: 6955

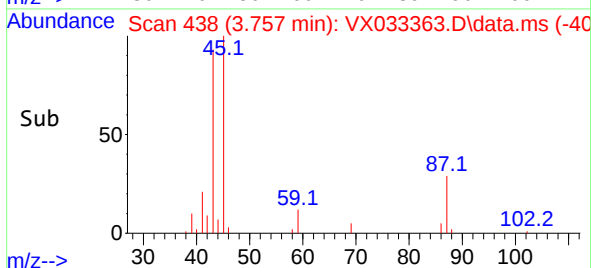
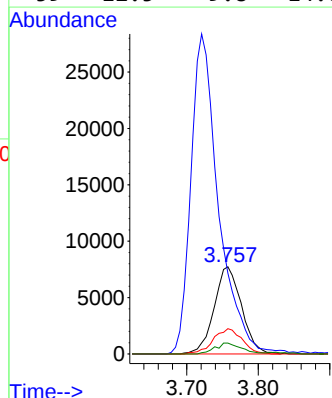
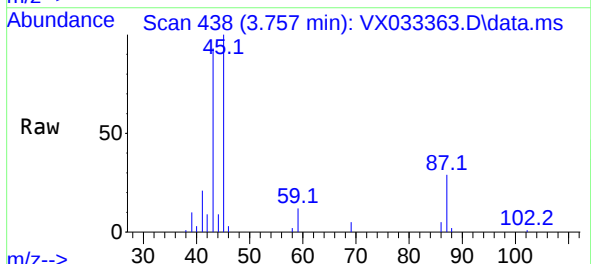
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 144.7 | 105.8 | 158.8 |
| 98  | 69.5  | 49.1  | 73.7  |

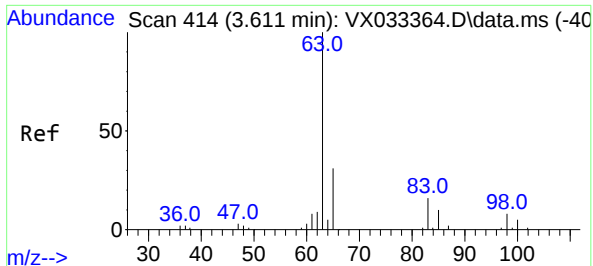


#20  
Diisopropyl ether  
Concen: 5.679 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 45 Resp: 20566

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 43  | 88.6  | 68.2  | 102.2 |
| 87  | 29.0  | 25.5  | 38.3  |
| 59  | 12.5  | 9.8   | 14.6  |





#21

1,1-Dichloroethane

Concen: 5.809 ug/l

RT: 3.611 min Scan# 41

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

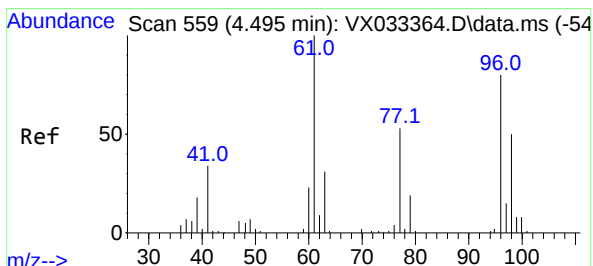
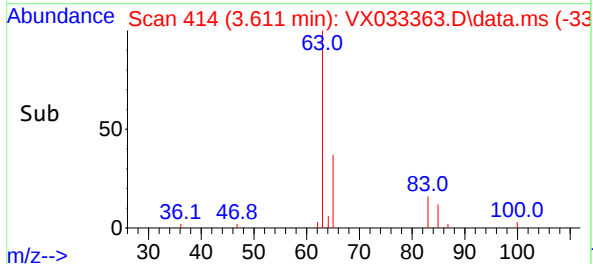
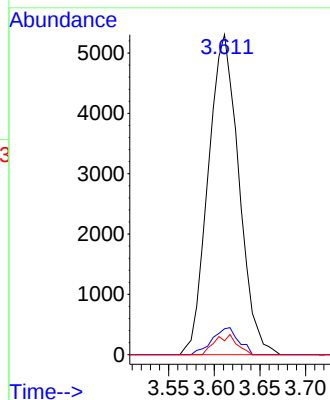
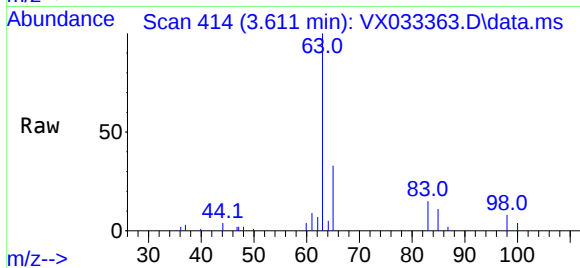
Tgt Ion: 63 Resp: 12410

Ion Ratio Lower Upper

63 100

98 8.1 4.0 11.9

100 4.4 2.8 8.3



#22

cis-1,2-Dichloroethene

Concen: 5.600 ug/l

RT: 4.489 min Scan# 558

Delta R.T. -0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

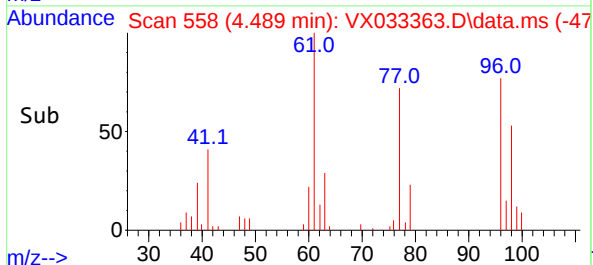
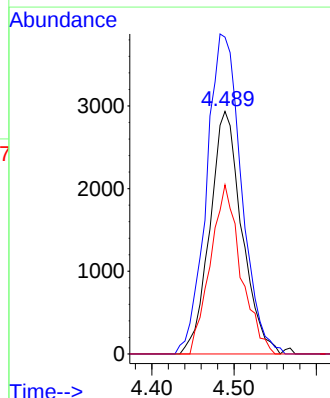
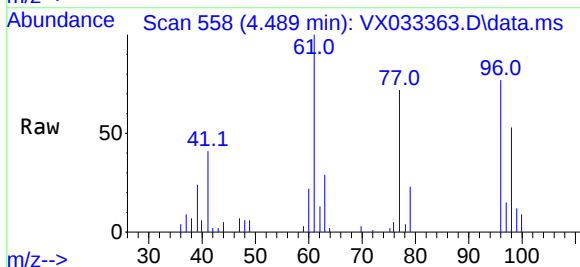
Tgt Ion: 96 Resp: 7940

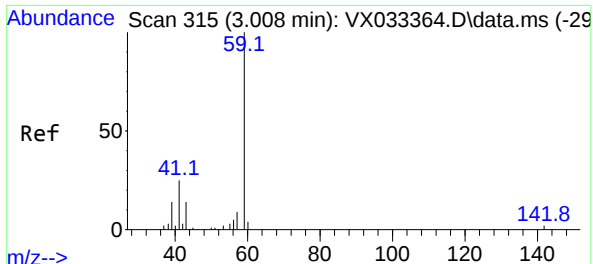
Ion Ratio Lower Upper

96 100

61 143.6 113.5 170.3

98 66.4 51.9 77.9





#23

tert-Butyl Alcohol

Concen: 0.576 ug/l

RT: 3.008 min Scan# 315

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

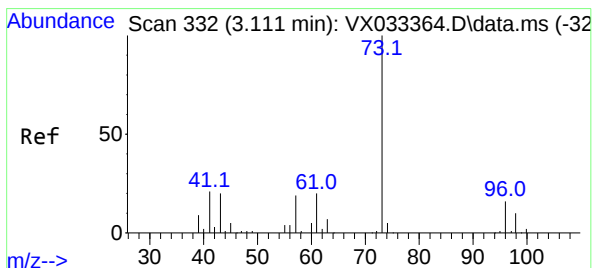
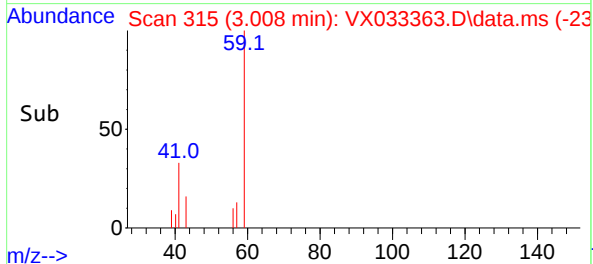
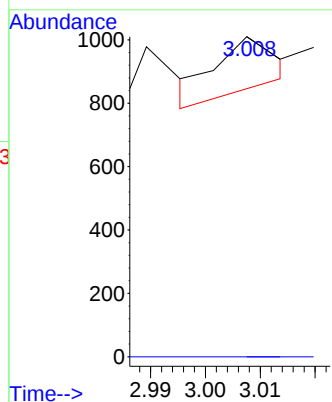
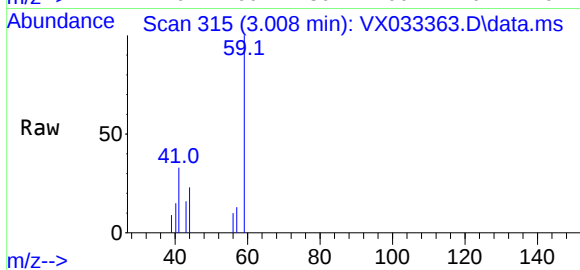
VSTDIC005

Tgt Ion: 59 Resp: 132

Ion Ratio Lower Upper

59 100

52 0.0 149.0 223.6#



#24

Methyl tert-Butyl Ether

Concen: 5.675 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX033363.D

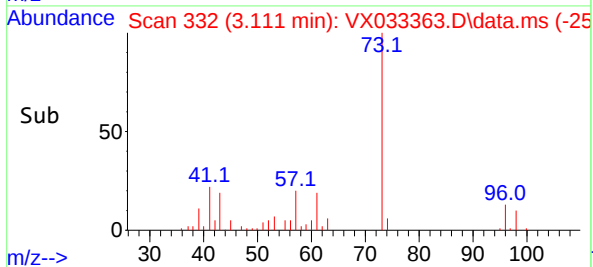
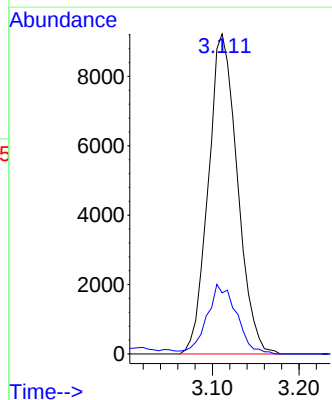
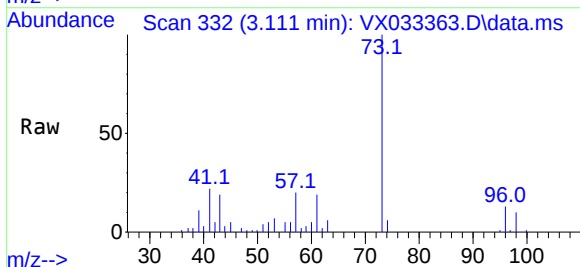
Acq: 12 Dec 2022 10:35

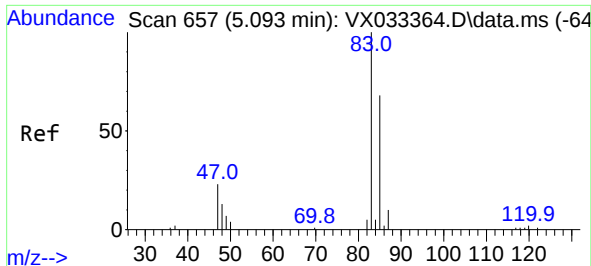
Tgt Ion: 73 Resp: 21531

Ion Ratio Lower Upper

73 100

43 22.2 16.8 25.2





#25

Chloroform

Concen: 5.896 ug/l

RT: 5.093 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

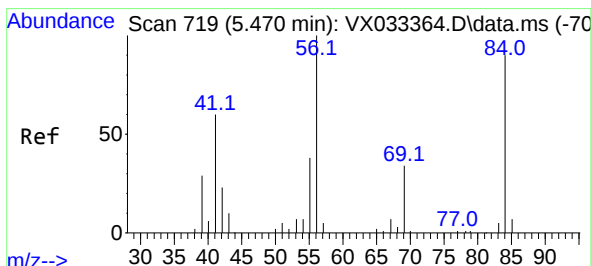
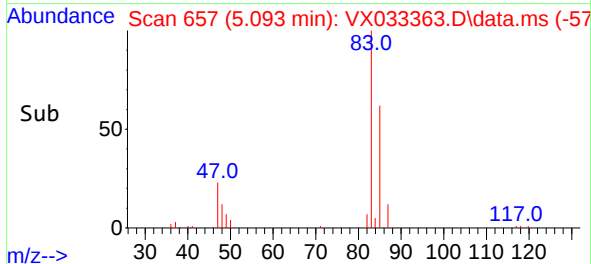
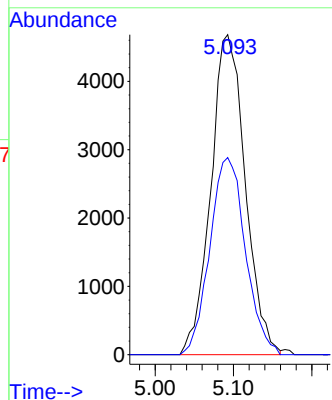
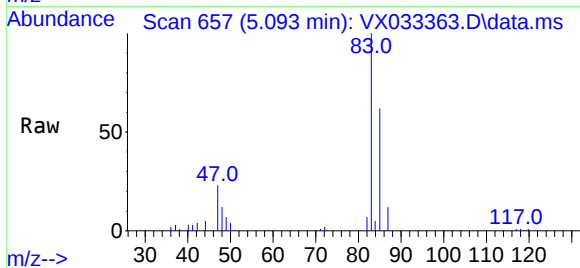
VSTDIC005

Tgt Ion: 83 Resp: 14333

Ion Ratio Lower Upper

83 100

85 61.6 54.2 81.2



#26

Cyclohexane

Concen: 5.842 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

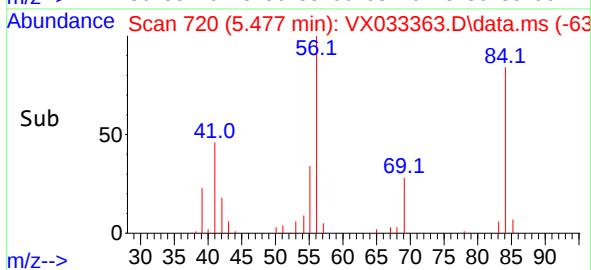
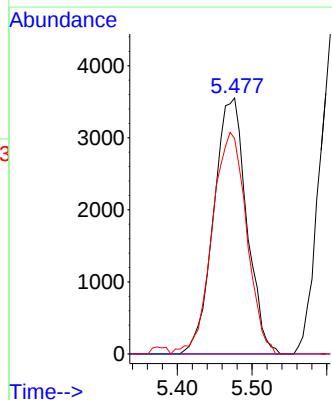
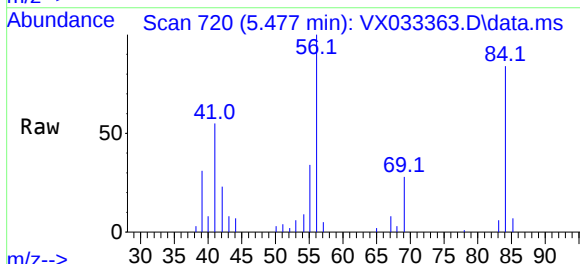
Tgt Ion: 56 Resp: 10916

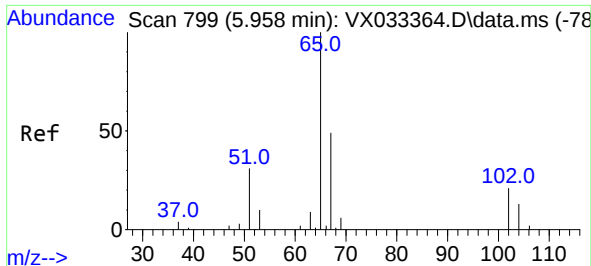
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 90.2 74.7 112.1

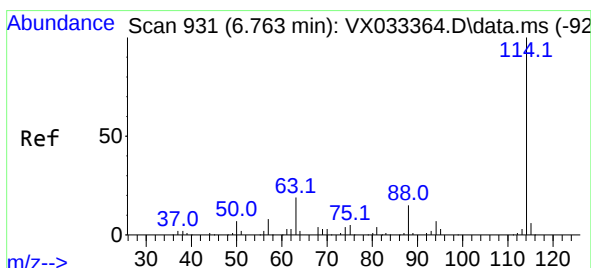
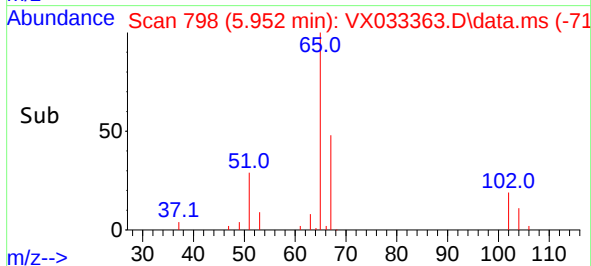
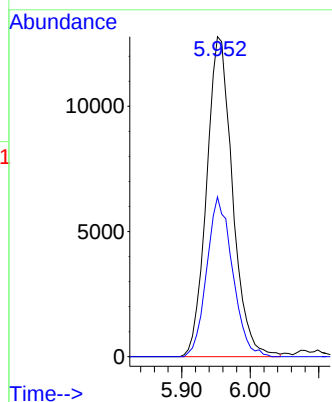
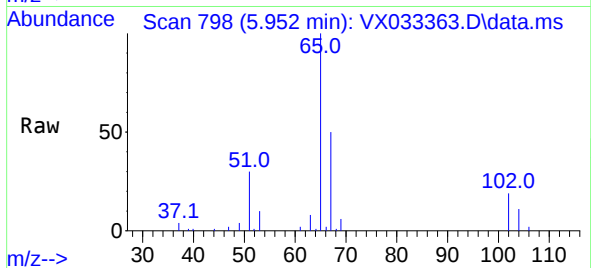




#27  
1,2-Dichloroethane-d4  
Concen: 31.423 ug/l  
RT: 5.952 min Scan# 799  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

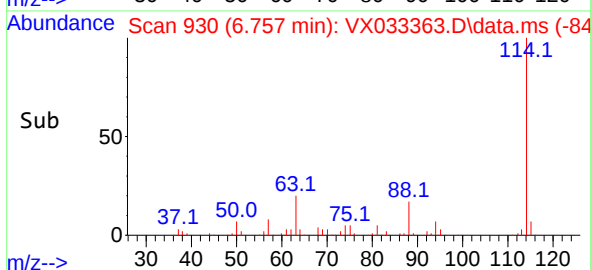
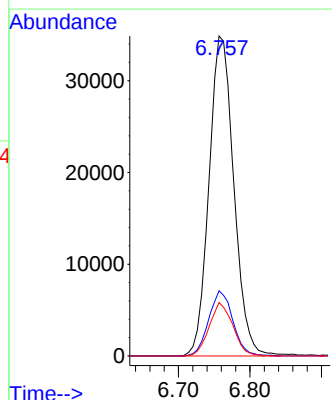
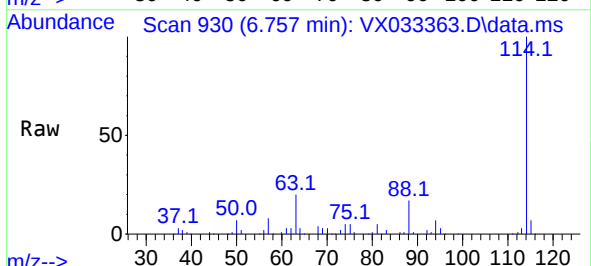
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

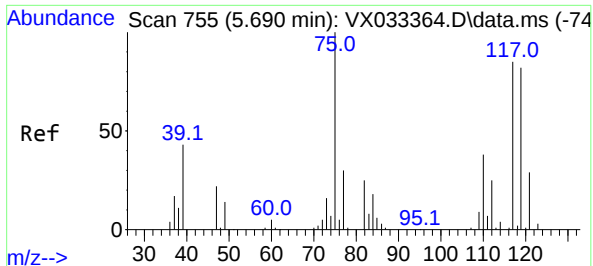
Tgt Ion: 65 Resp: 33578  
Ion Ratio Lower Upper  
65 100  
67 49.1 39.8 59.8



#28  
1,4-Difluorobenzene  
Concen: 30.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 114 Resp: 84063  
Ion Ratio Lower Upper  
114 100  
63 19.9 15.2 22.8  
88 15.9 12.2 18.4

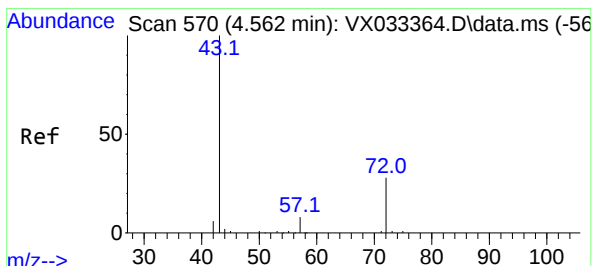
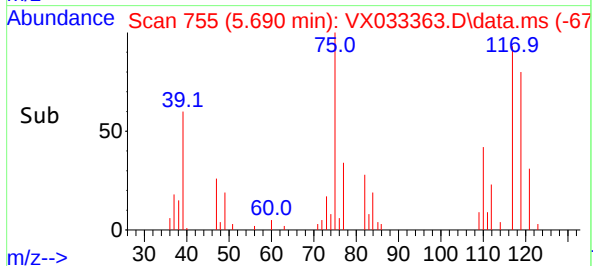
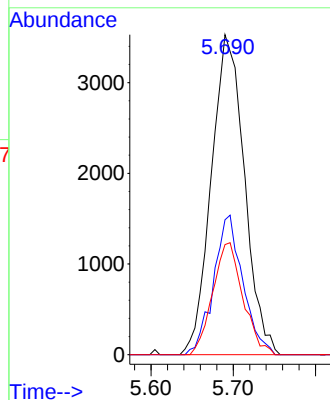
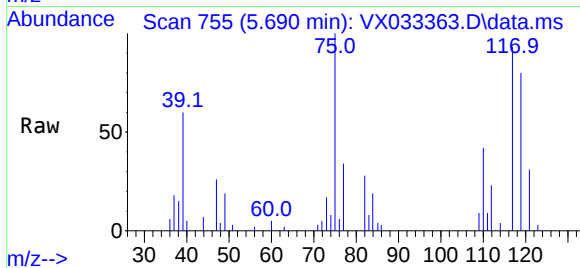




#29  
1,1-Dichloropropene  
Concen: 5.815 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

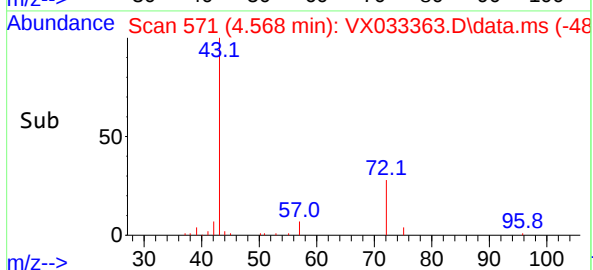
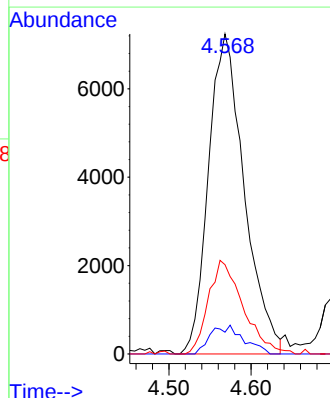
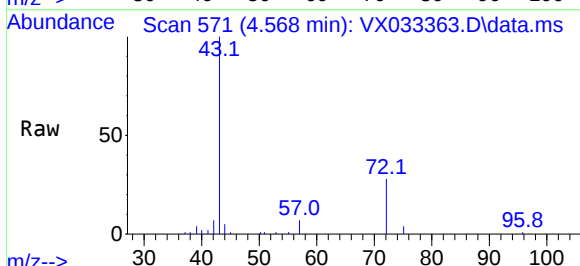
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

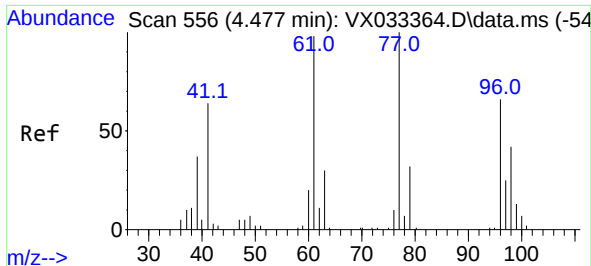
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9879  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 38.5  | 0.0   | 73.6  |
| 77       | 31.4  | 0.0   | 62.0  |



#30  
2-Butanone  
Concen: 27.547 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 21878 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 57       | 1.7   | 6.6   | 9.8   |
| 72       | 28.4  | 22.5  | 33.7  |

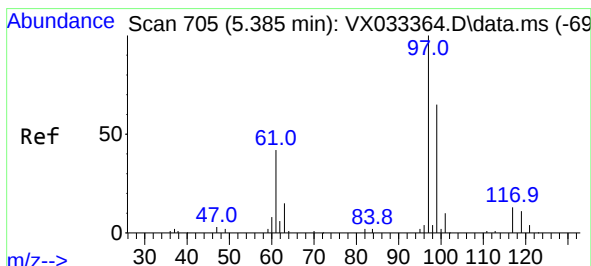
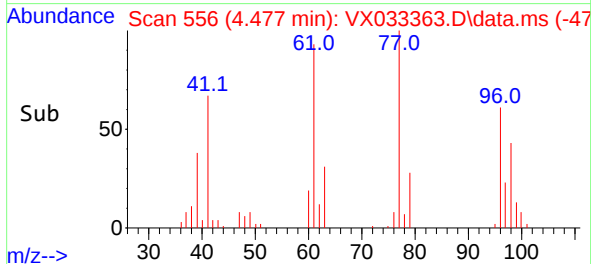
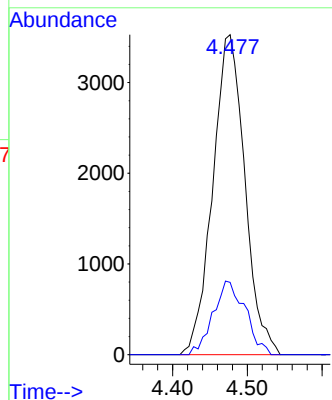
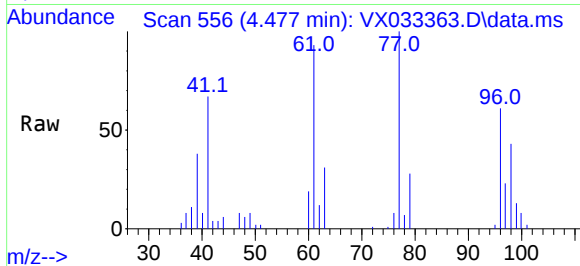




#31  
2,2-Dichloropropane  
Concen: 5.900 ug/l  
RT: 4.477 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

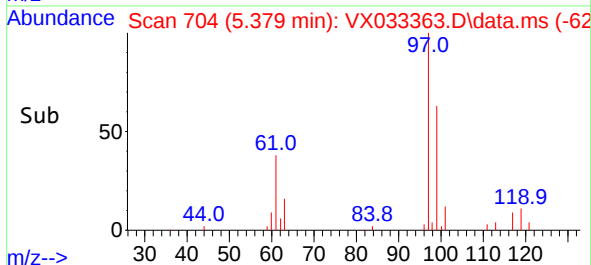
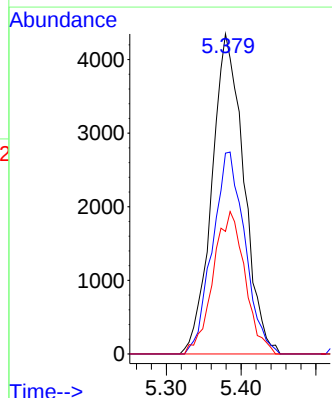
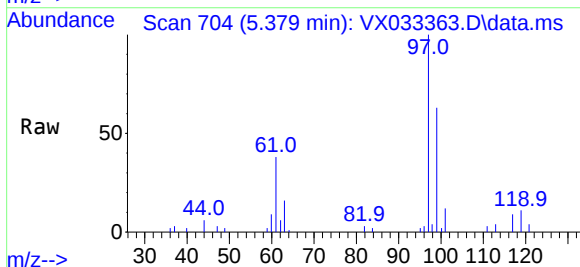
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

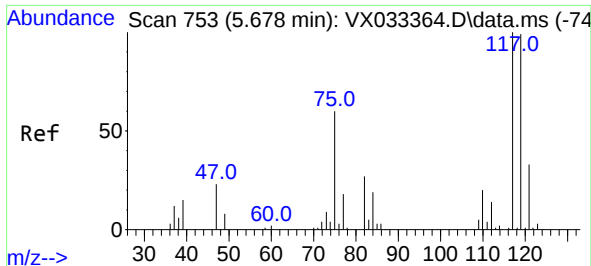
Tgt Ion: 77 Resp: 10535  
Ion Ratio Lower Upper  
77 100  
97 22.3 18.1 27.1



#32  
1,1,1-Trichloroethane  
Concen: 5.884 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 97 Resp: 12904  
Ion Ratio Lower Upper  
97 100  
99 64.0 51.0 76.4  
61 44.5 34.3 51.5

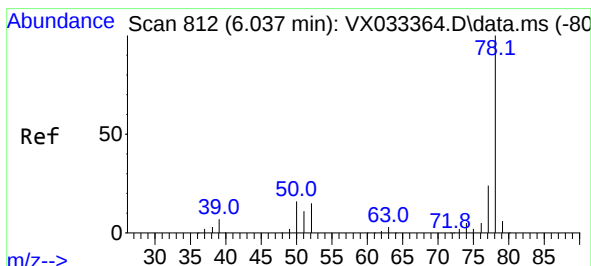
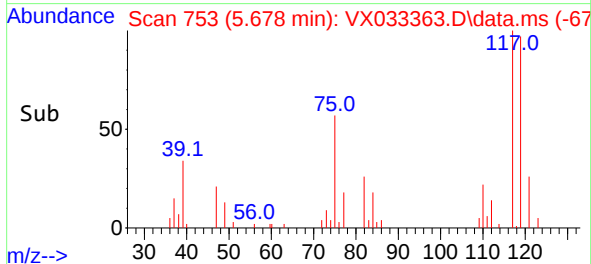
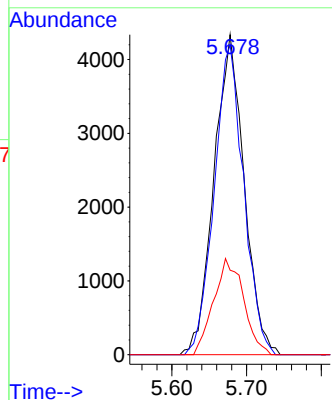
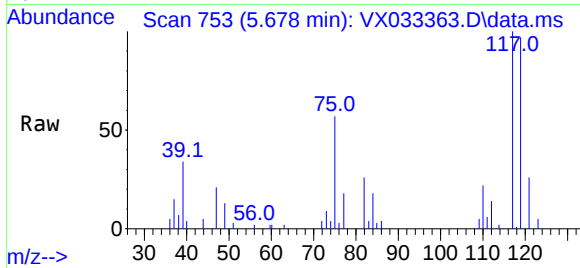




#33  
Carbon Tetrachloride  
Concen: 6.066 ug/l  
RT: 5.678 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

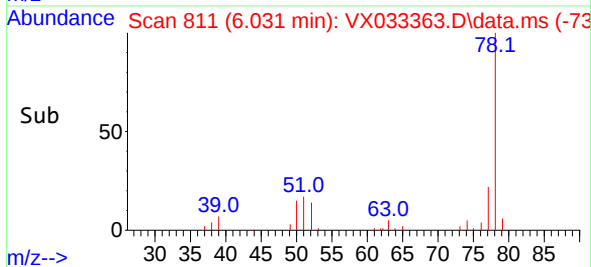
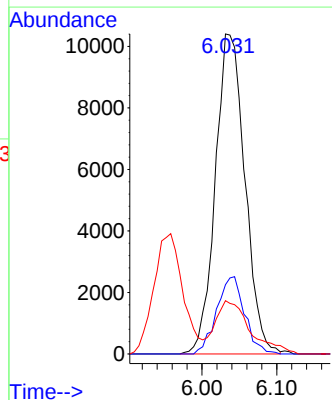
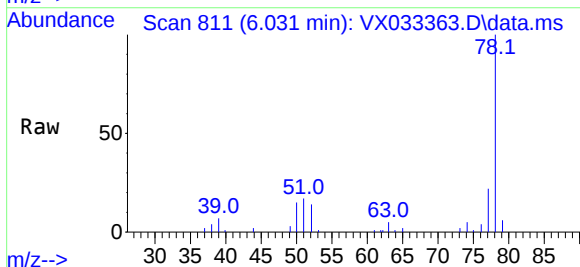
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

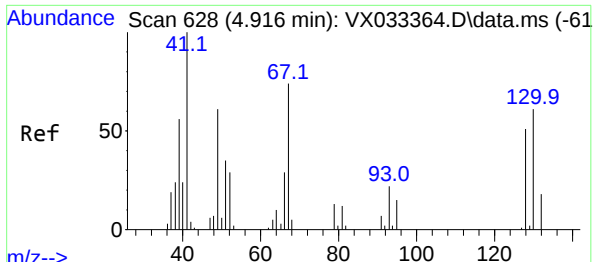
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12165 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.8  | 79.5  | 119.3 |
| 121      | 26.4  | 26.2  | 39.2  |



#34  
Benzene  
Concen: 5.879 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 28625 |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 21.6  | 19.2  | 28.8  |
| 51       | 14.0  | 12.6  | 18.8  |





#35

Methacrylonitrile

Concen: 5.618 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX033363.D

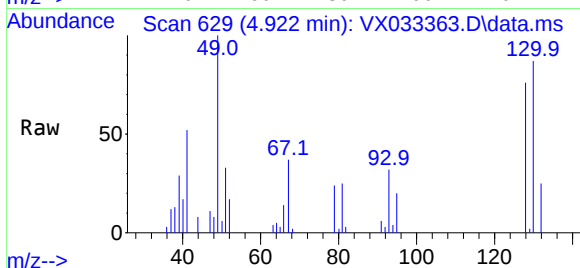
Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005



Tgt Ion: 41 Resp: 4573

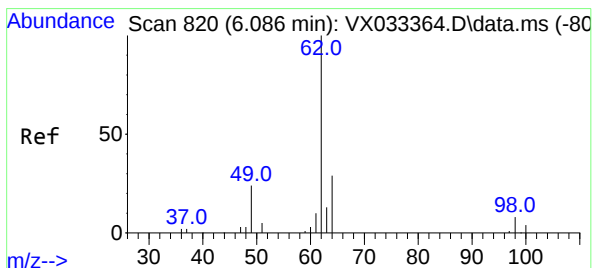
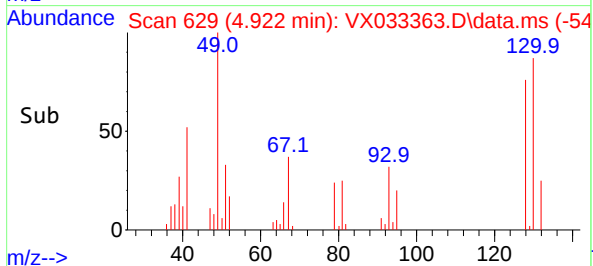
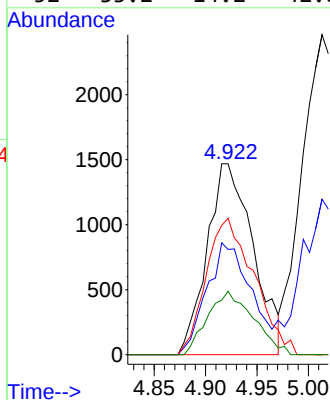
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 41 | 100 |  |  |
|----|-----|--|--|

|    |      |      |      |
|----|------|------|------|
| 39 | 55.1 | 27.8 | 83.3 |
|----|------|------|------|

|    |      |      |       |
|----|------|------|-------|
| 67 | 71.5 | 37.0 | 110.9 |
|----|------|------|-------|

|    |      |      |      |
|----|------|------|------|
| 52 | 33.2 | 14.2 | 42.8 |
|----|------|------|------|



#36

1,2-Dichloroethane

Concen: 5.994 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.000 min

Lab File: VX033363.D

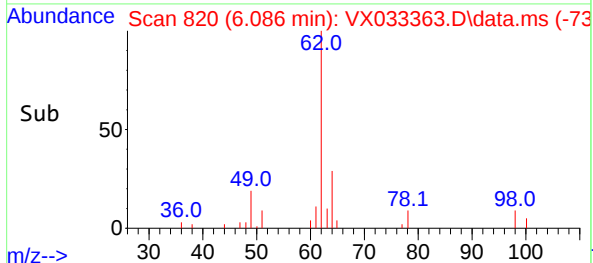
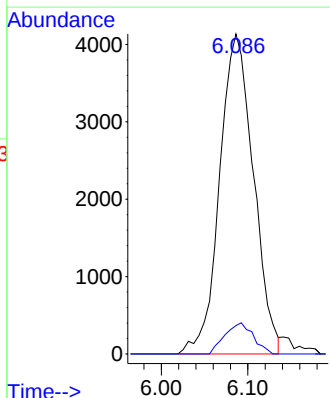
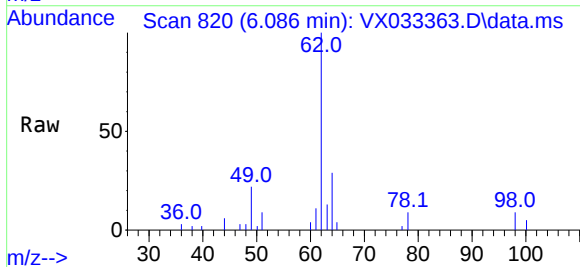
Acq: 12 Dec 2022 10:35

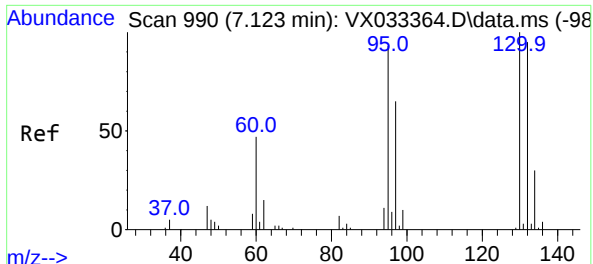
Tgt Ion: 62 Resp: 11218

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 62 | 100 |  |  |
|----|-----|--|--|

|    |     |     |     |
|----|-----|-----|-----|
| 98 | 8.2 | 6.4 | 9.6 |
|----|-----|-----|-----|

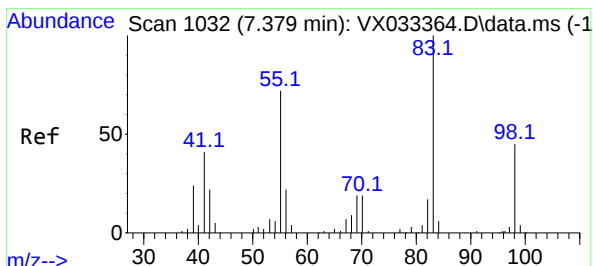
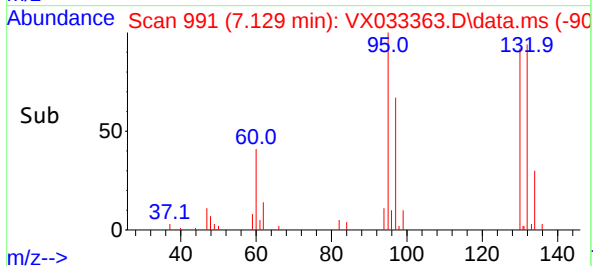
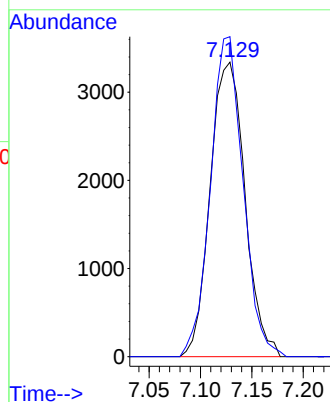
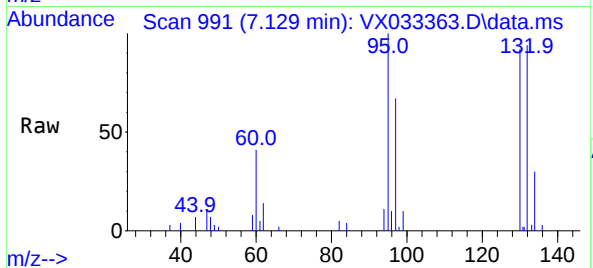




#37  
Trichloroethene  
Concen: 5.693 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

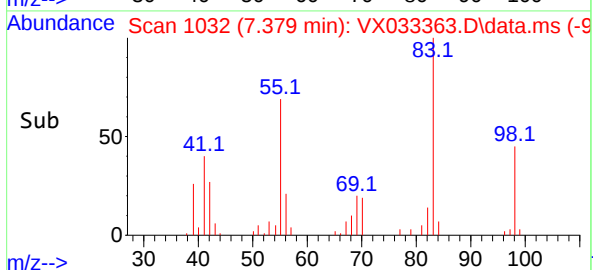
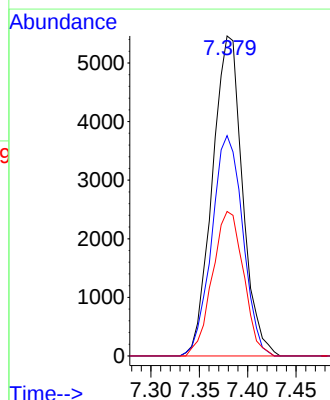
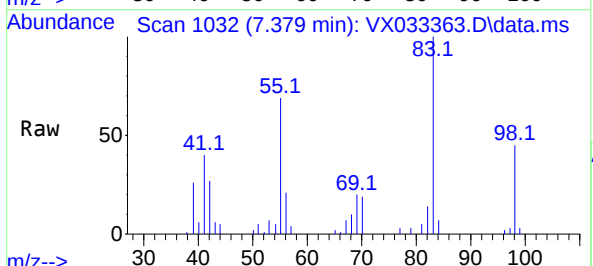
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

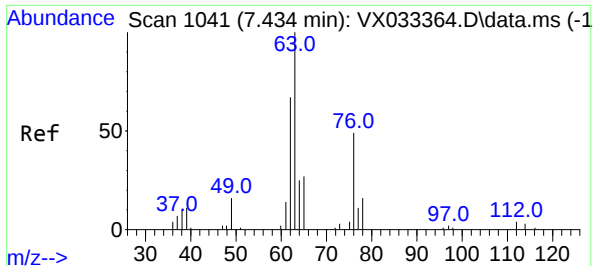
Tgt Ion:130 Resp: 7870  
Ion Ratio Lower Upper  
130 100  
95 108.7 74.6 112.0



#38  
Methylcyclohexane  
Concen: 5.915 ug/l  
RT: 7.379 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 83 Resp: 11841  
Ion Ratio Lower Upper  
83 100  
55 71.0 36.2 108.6  
98 46.7 23.4 70.2





#39

1,2-Dichloropropane

Concen: 5.762 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

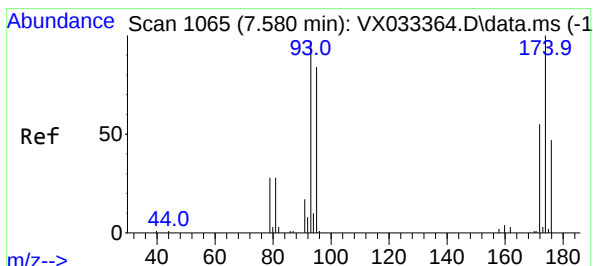
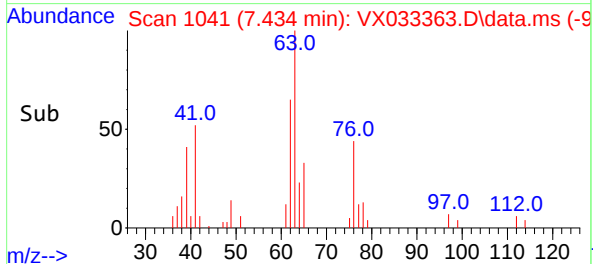
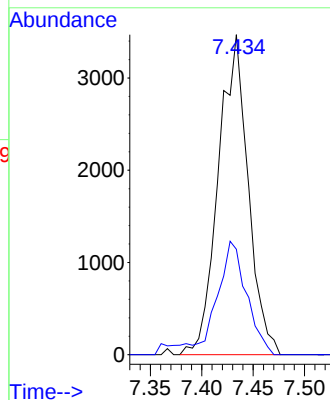
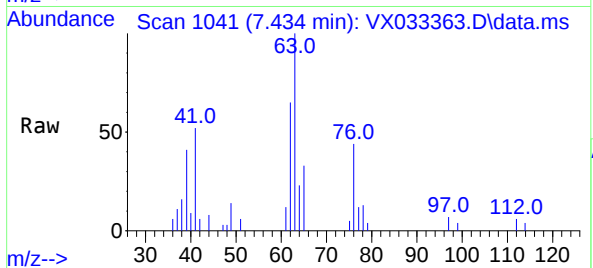
VSTDICC005

Tgt Ion: 63 Resp: 6995

Ion Ratio Lower Upper

63 100

65 33.0 24.5 36.7



#40

Dibromomethane

Concen: 5.995 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

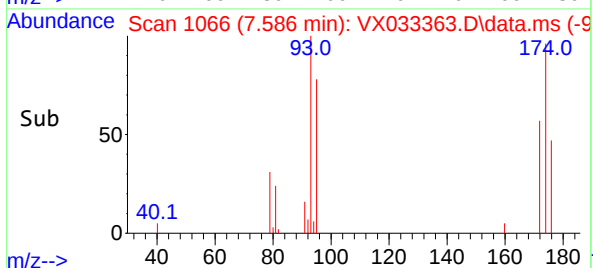
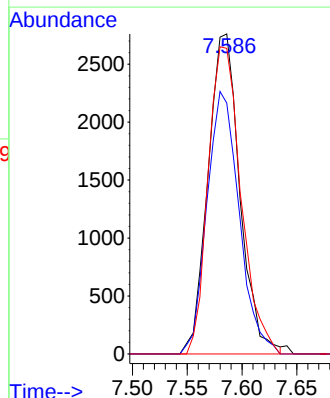
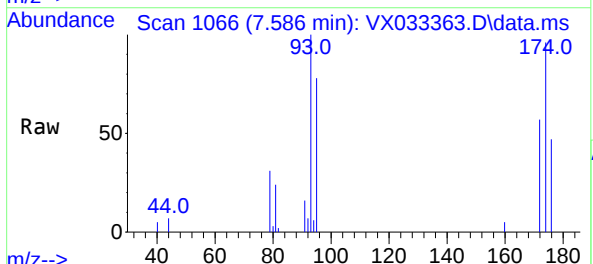
Tgt Ion: 93 Resp: 5569

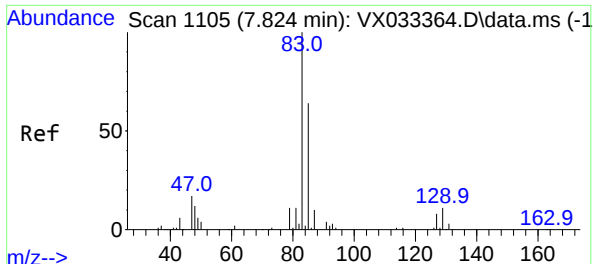
Ion Ratio Lower Upper

93 100

95 83.1 0.0 170.2

174 99.0 0.0 206.8

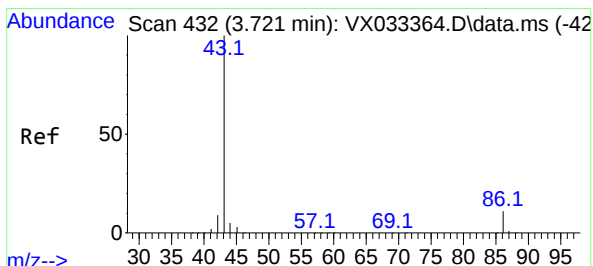
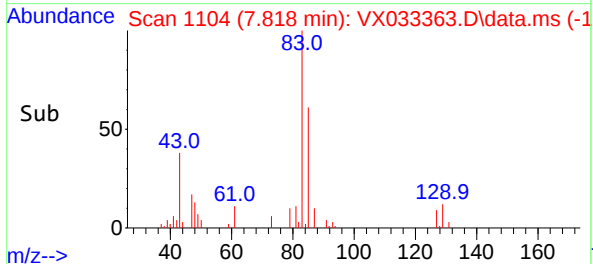
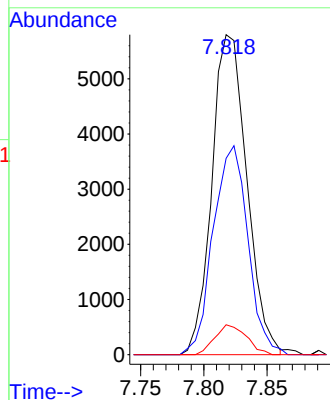
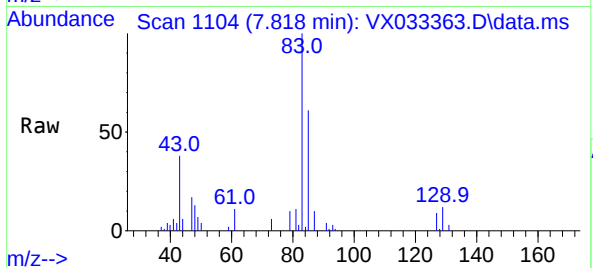




#41  
Bromodichloromethane  
Concen: 5.862 ug/l  
RT: 7.818 min Scan# 1105  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

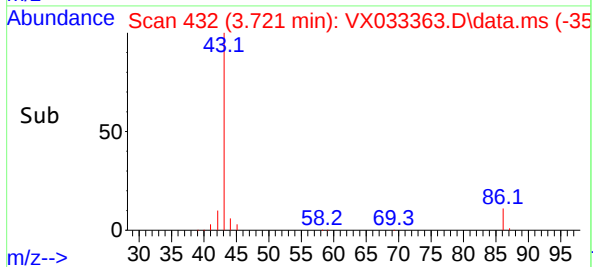
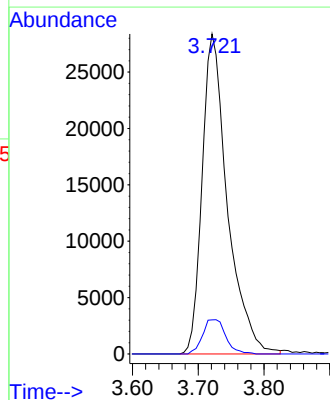
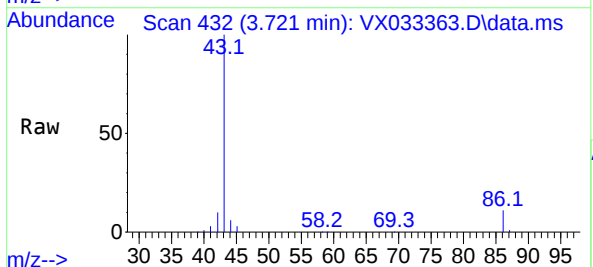
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

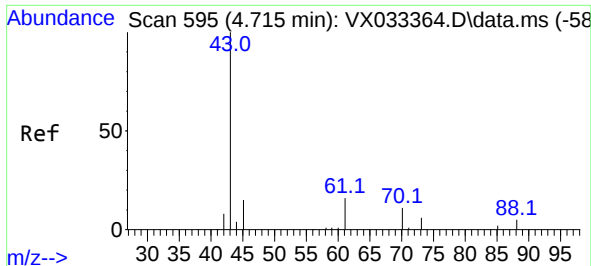
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 11158 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 61.3     | 50.9 76.3   |
| 127 9.3     | 6.8 10.2    |



#42  
Vinyl Acetate  
Concen: 27.601 ug/l  
RT: 3.721 min Scan# 432  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 75895 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 9.8      | 7.8 11.8    |

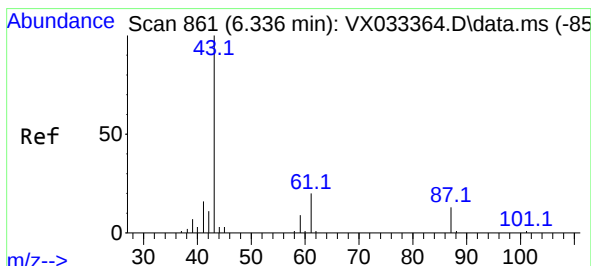
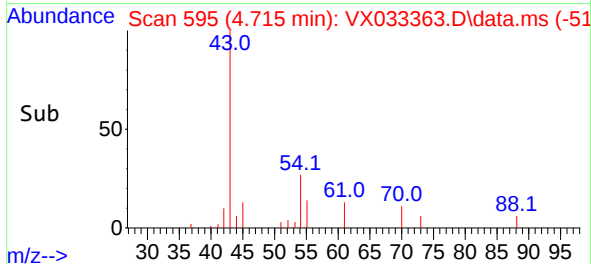
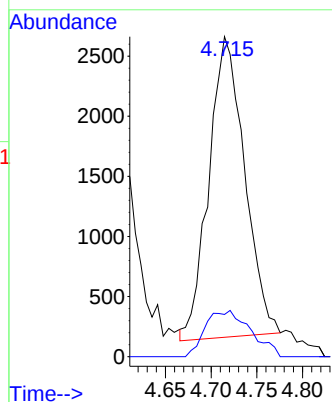
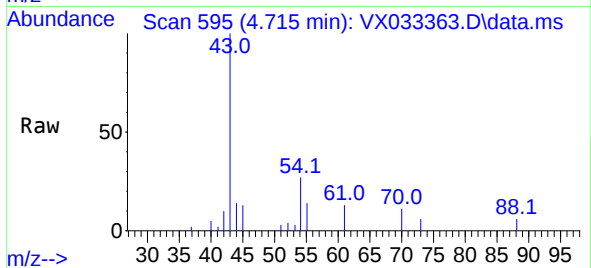




#43  
Ethyl Acetate  
Concen: 4.767 ug/l  
RT: 4.715 min Scan# 595  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

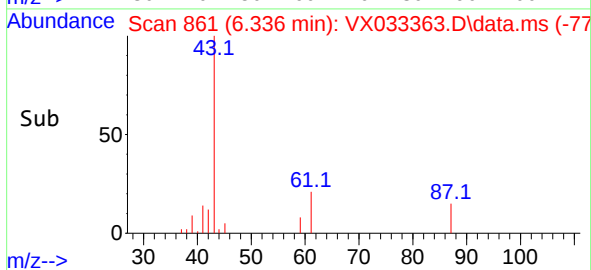
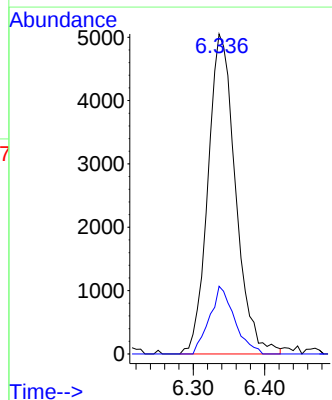
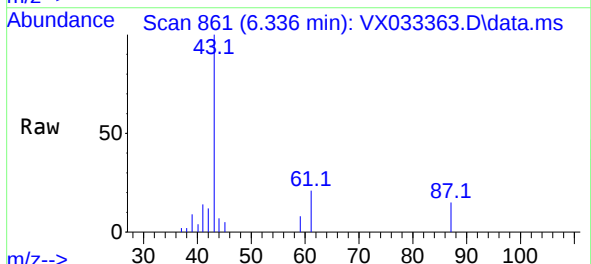
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

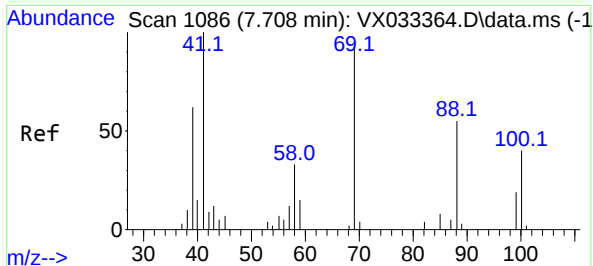
Tgt Ion: 43 Resp: 6807  
Ion Ratio Lower Upper  
43 100  
45 9.1 12.0 18.0#



#44  
Isopropyl Acetate  
Concen: 5.580 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 43 Resp: 13528  
Ion Ratio Lower Upper  
43 100  
61 19.1 15.7 23.5





#45

1,4-Dioxane

Concen: 30.042 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.012 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

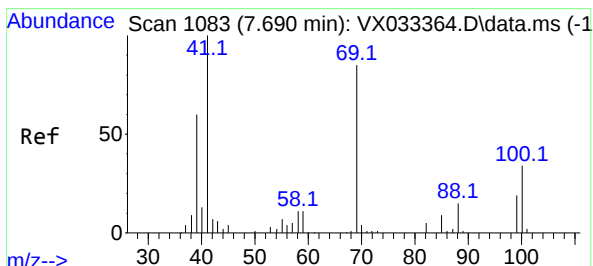
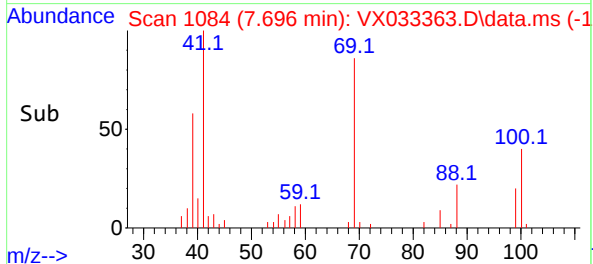
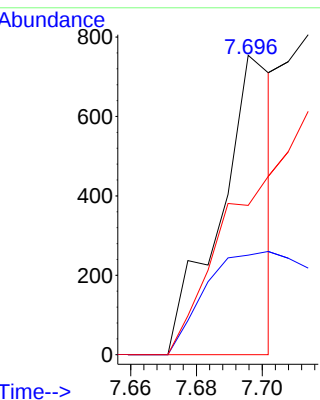
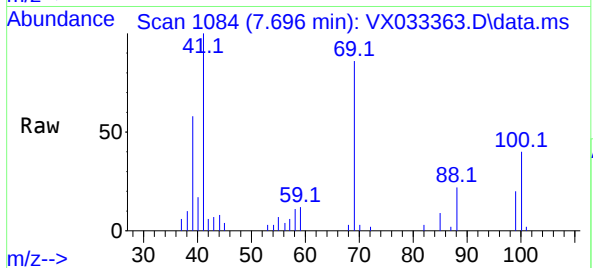
Tgt Ion: 88 Resp: 853

Ion Ratio Lower Upper

88 100

43 63.8 12.4 18.6#

58 234.0 51.1 76.7#



#46

Methyl methacrylate

Concen: 5.379 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

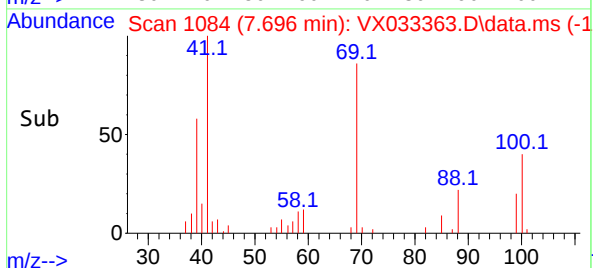
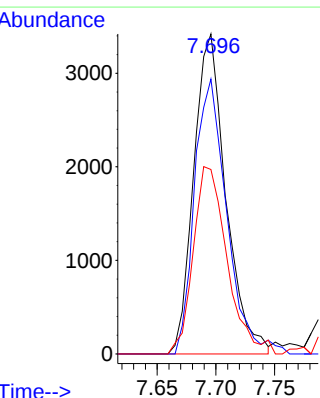
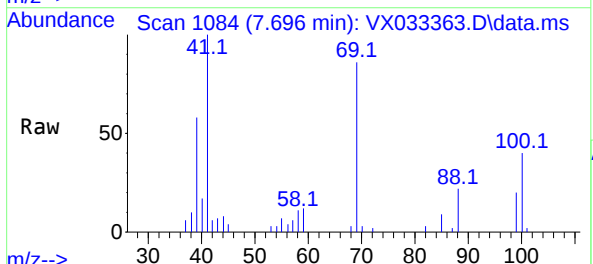
Tgt Ion: 41 Resp: 6495

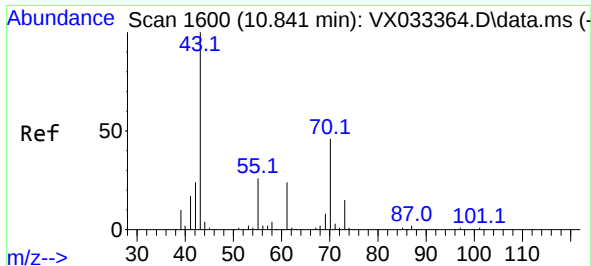
Ion Ratio Lower Upper

41 100

69 85.9 42.3 126.9

39 57.6 30.1 90.5

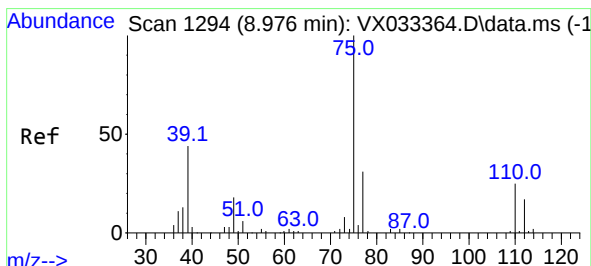
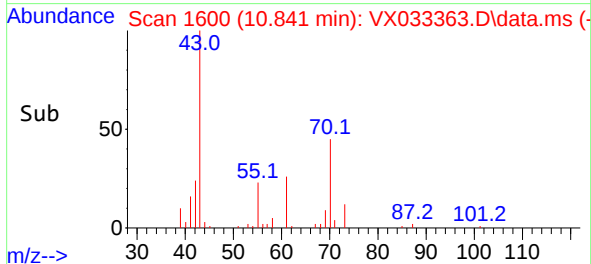
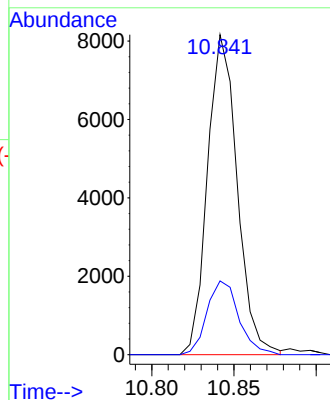
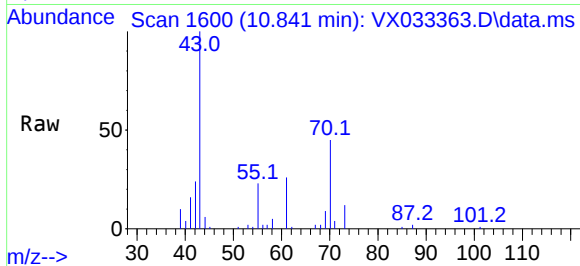




#47  
n-amy1 Acetate  
Concen: 5.045 ug/l  
RT: 10.841 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

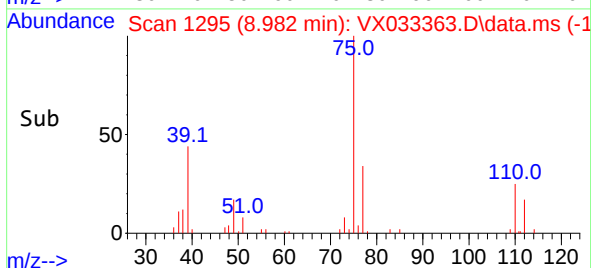
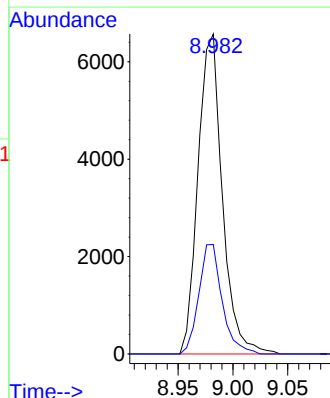
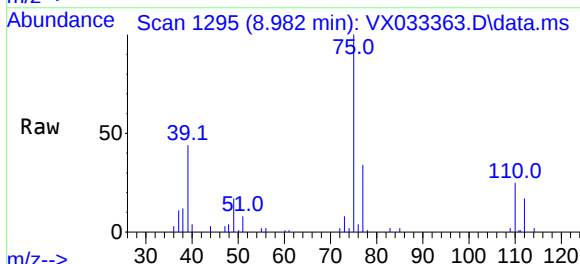
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

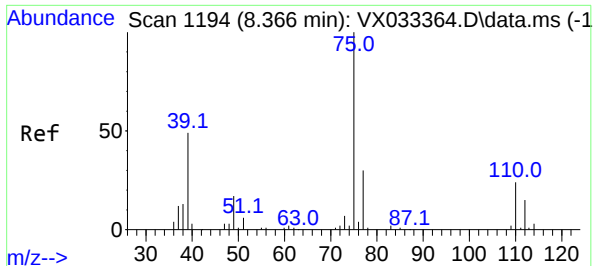
Tgt Ion: 43 Resp: 10264  
Ion Ratio Lower Upper  
43 100  
55 24.7 20.6 30.8



#48  
t-1,3-Dichloropropene  
Concen: 5.298 ug/l  
RT: 8.982 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 75 Resp: 10115  
Ion Ratio Lower Upper  
75 100  
77 34.2 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 5.468 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

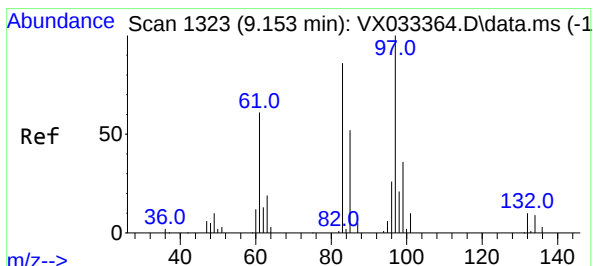
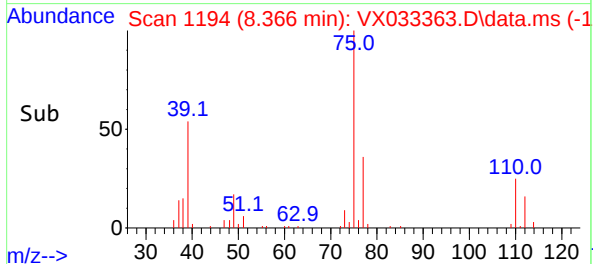
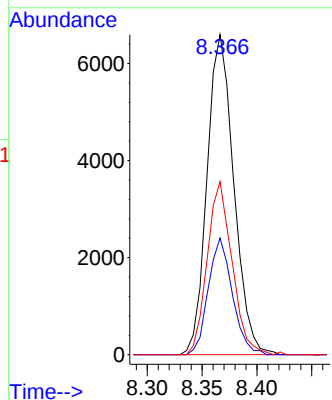
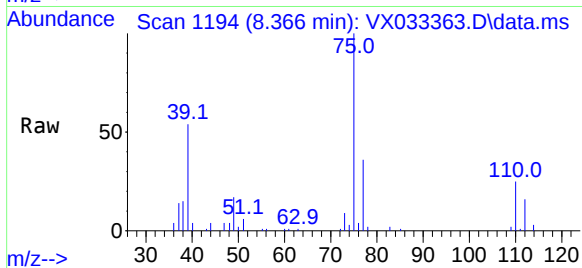
Tgt Ion: 75 Resp: 11206

Ion Ratio Lower Upper

75 100

77 36.5 24.2 36.4#

39 54.1 39.3 58.9



#50

1,1,2-Trichloroethane

Concen: 5.543 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion: 97 Resp: 7120

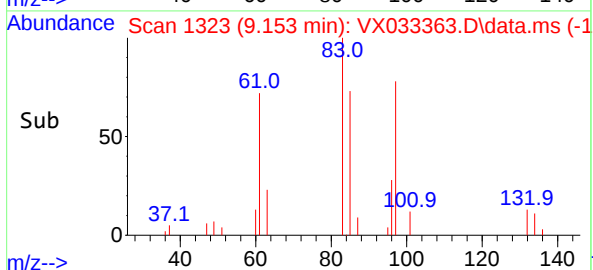
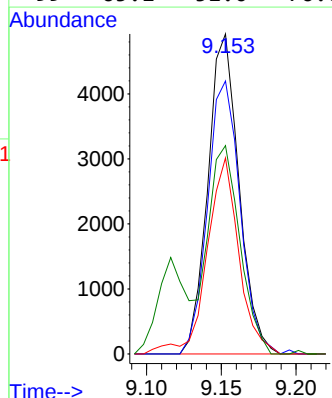
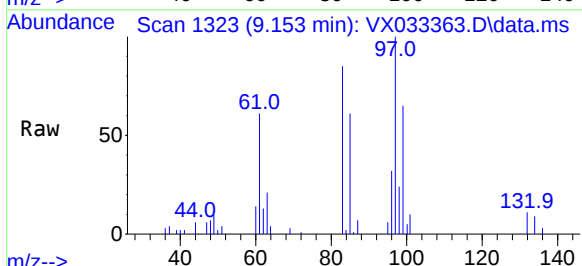
Ion Ratio Lower Upper

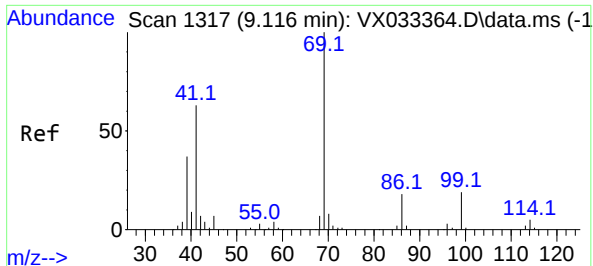
97 100

83 85.3 68.1 102.1

85 61.3 43.8 65.6

99 65.1 51.0 76.6





#51

Ethyl methacrylate

Concen: 5.169 ug/l

RT: 9.116 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

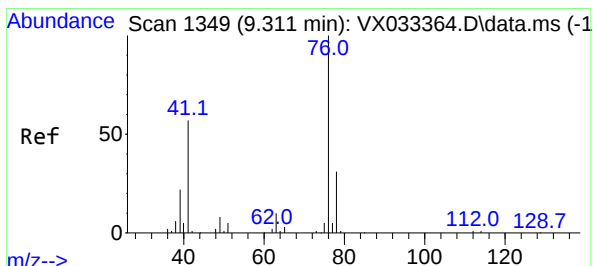
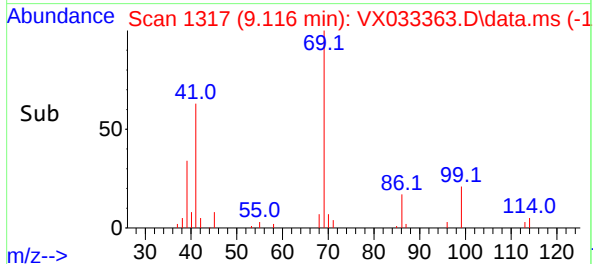
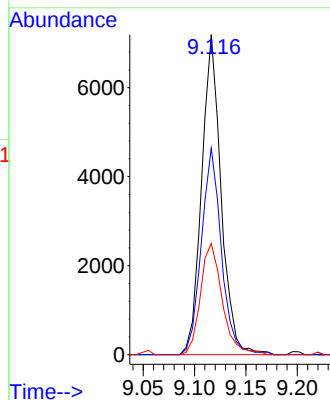
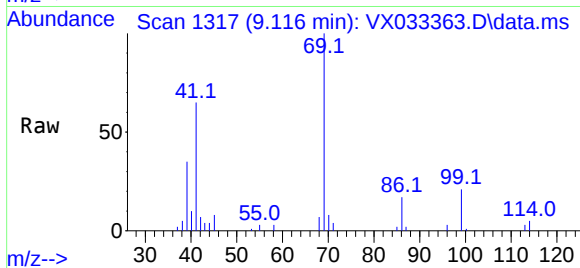
Tgt Ion: 69 Resp: 9487

Ion Ratio Lower Upper

69 100

41 64.6 31.4 94.2

39 34.7 18.4 55.2



#52

1,3-Dichloropropane

Concen: 5.741 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.000 min

Lab File: VX033363.D

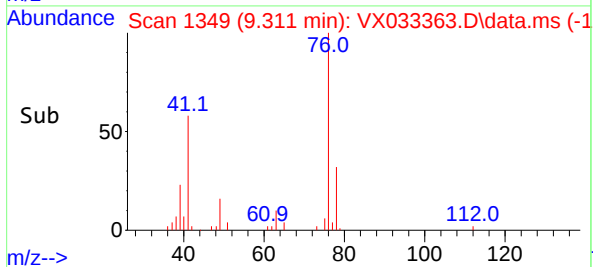
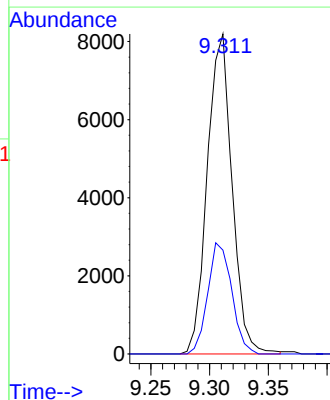
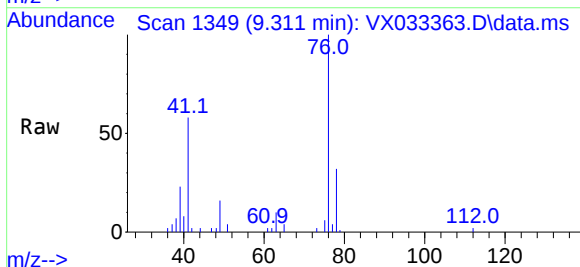
Acq: 12 Dec 2022 10:35

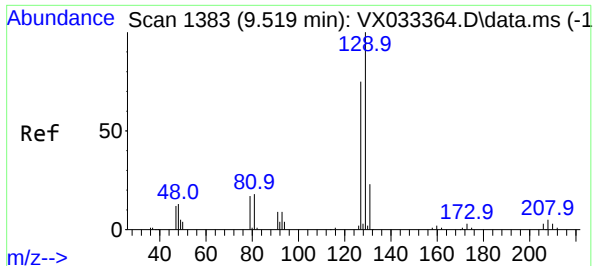
Tgt Ion: 76 Resp: 12043

Ion Ratio Lower Upper

76 100

78 33.5 0.0 63.4





#53

Dibromochloromethane

Concen: 5.703 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

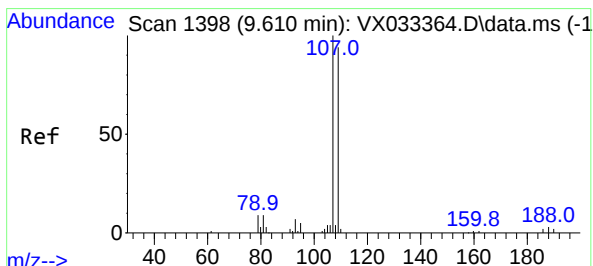
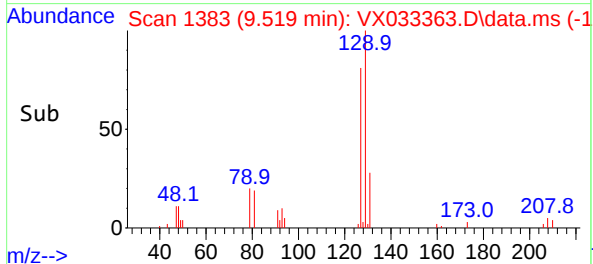
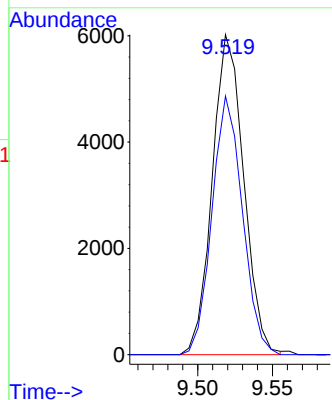
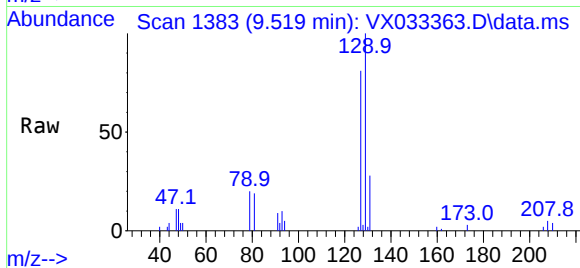
VSTDIC005

Tgt Ion:129 Resp: 8804

Ion Ratio Lower Upper

129 100

127 78.1 38.1 114.3



#54

1,2-Dibromoethane

Concen: 5.464 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX033363.D

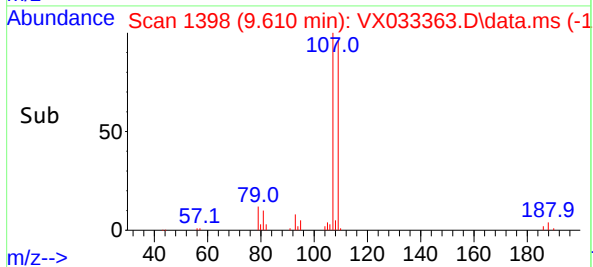
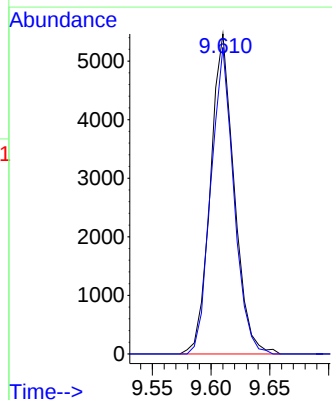
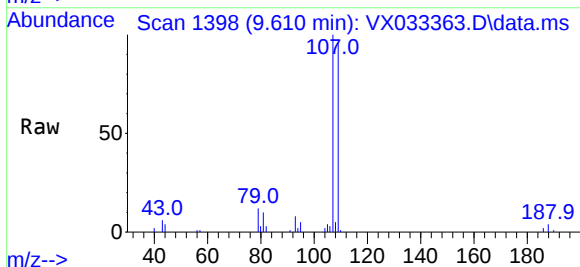
Acq: 12 Dec 2022 10:35

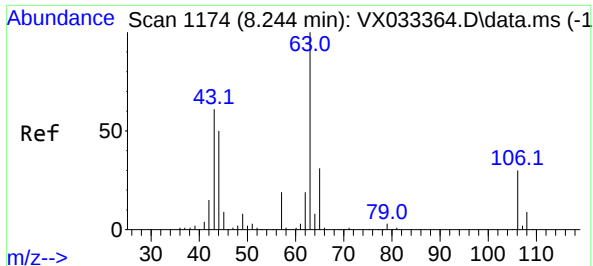
Tgt Ion:107 Resp: 7683

Ion Ratio Lower Upper

107 100

109 92.2 74.2 111.2



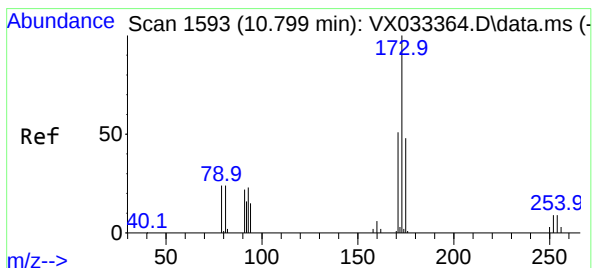
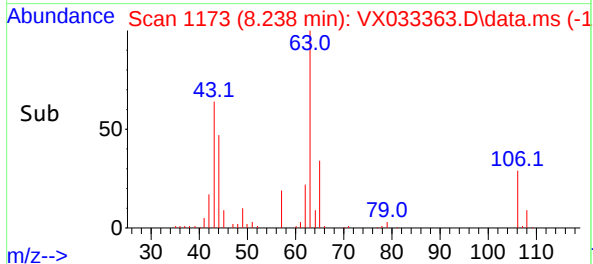
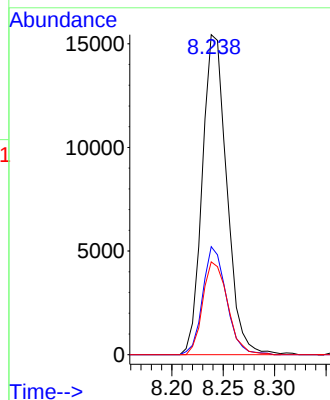
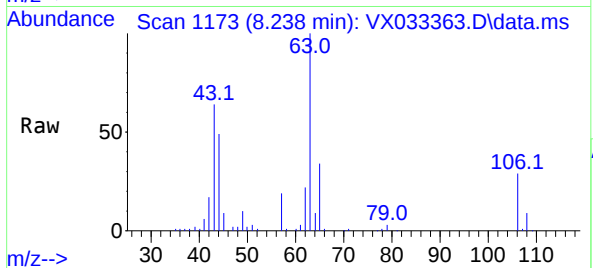


#55  
2-Chloroethyl vinyl ether  
Concen: 29.749 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 63 Resp: 25637

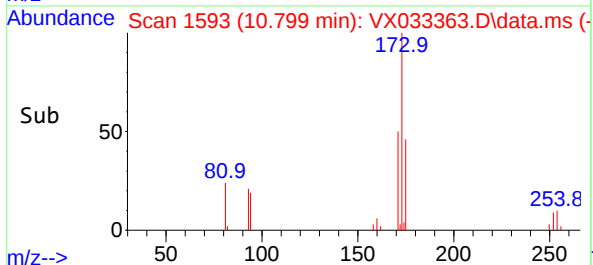
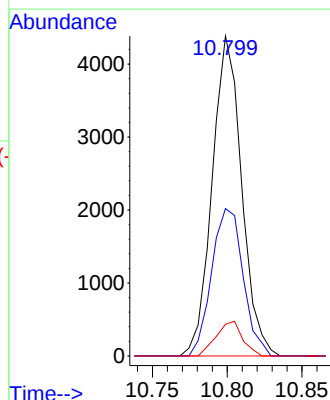
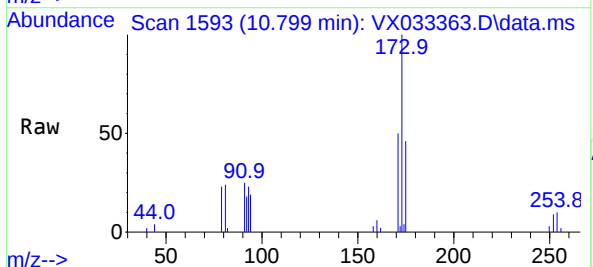
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 65  | 32.5  | 25.8  | 38.8  |
| 106 | 29.5  | 24.2  | 36.4  |

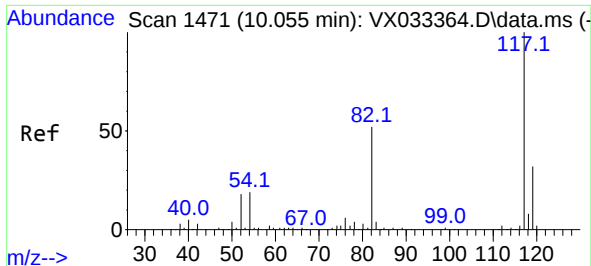


#56  
Bromoform  
Concen: 5.385 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 173 Resp: 6001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 173 | 100   |       |       |
| 175 | 49.2  | 39.6  | 59.4  |
| 254 | 9.7   | 7.1   | 10.7  |





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

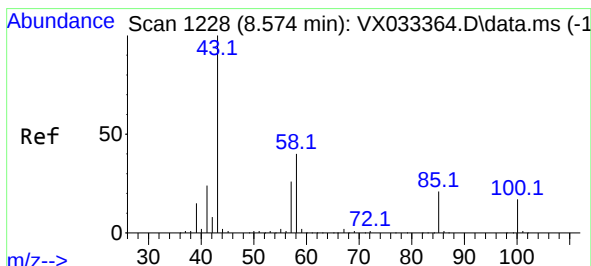
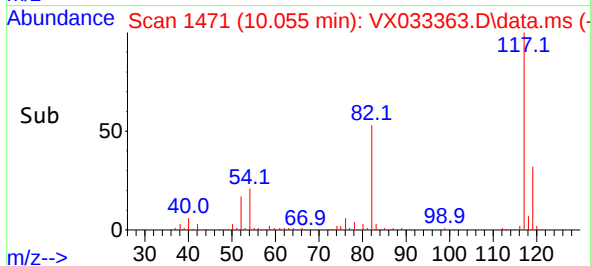
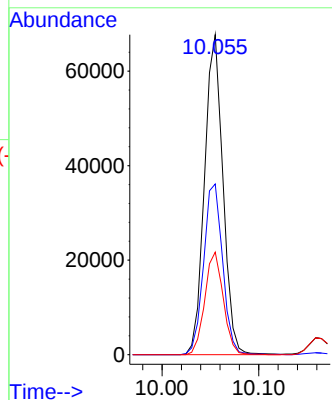
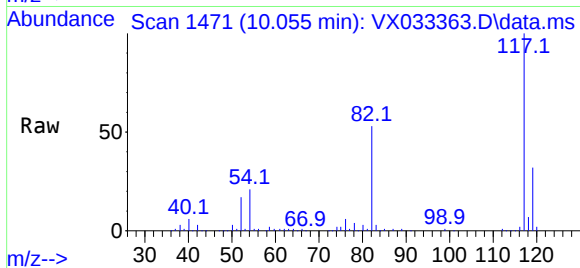
Tgt Ion:117 Resp: 89935

Ion Ratio Lower Upper

117 100

82 55.0 43.7 65.5

119 32.1 25.6 38.4



#58

4-Methyl-2-Pentanone

Concen: 28.813 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

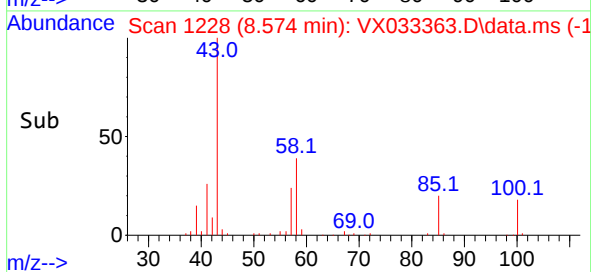
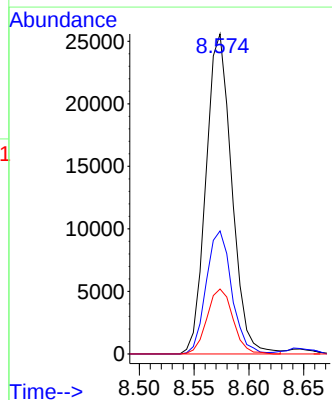
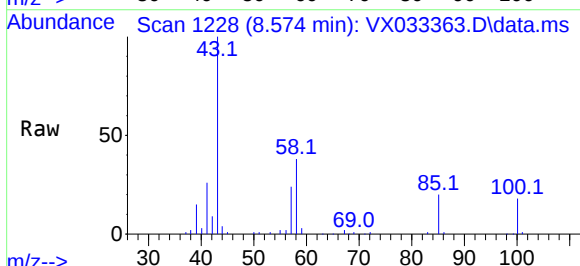
Tgt Ion: 43 Resp: 41903

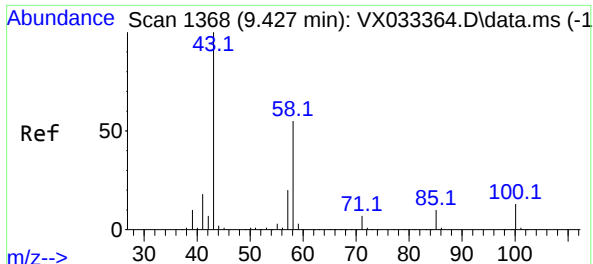
Ion Ratio Lower Upper

43 100

58 38.2 32.3 48.5

85 20.4 16.6 24.8



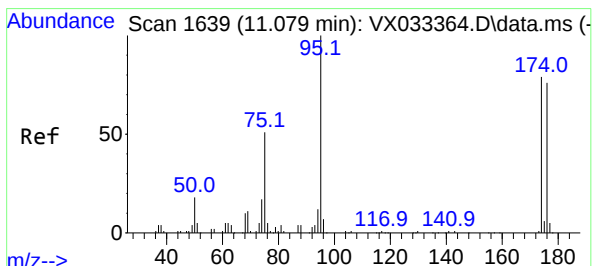
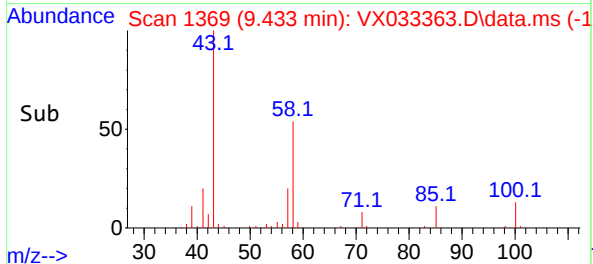
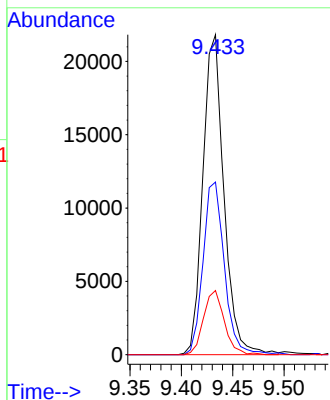
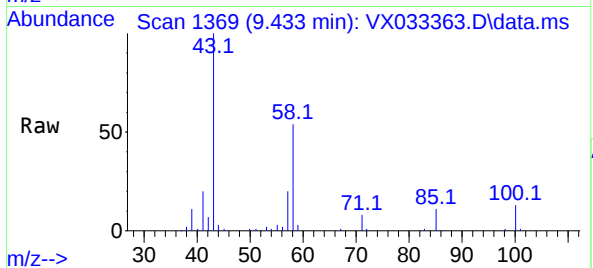


#59  
2-Hexanone  
Concen: 27.992 ug/l  
RT: 9.433 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 43 Resp: 31130

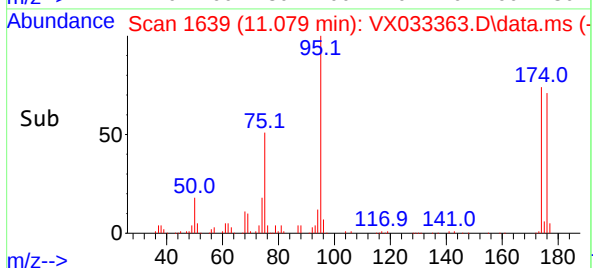
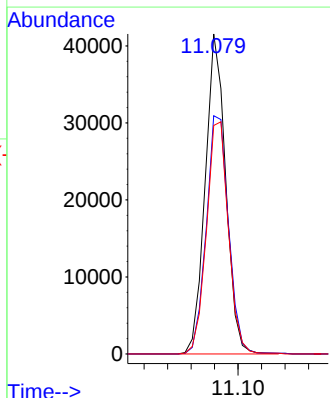
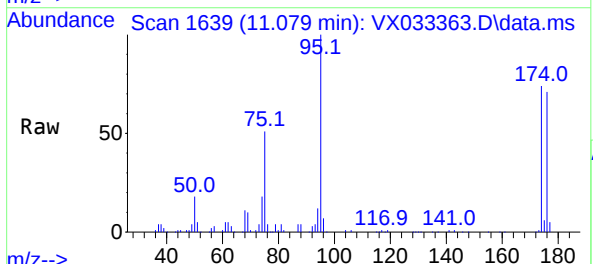
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 54.6  | 44.4  | 66.6  |
| 57  | 19.6  | 16.2  | 24.2  |

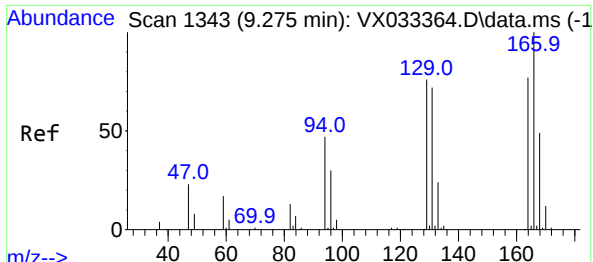


#60  
4-Bromofluorobenzene  
Concen: 30.166 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 95 Resp: 50247

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 80.8  | 65.9  | 98.9  |
| 176 | 77.8  | 63.3  | 94.9  |

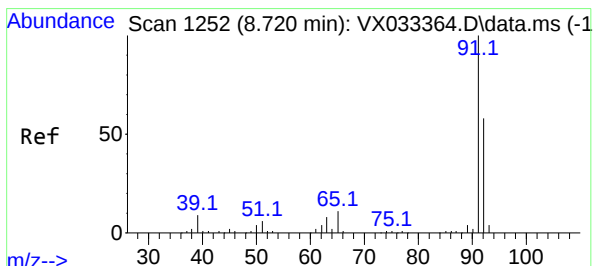
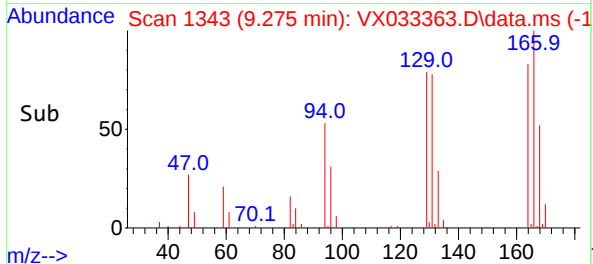
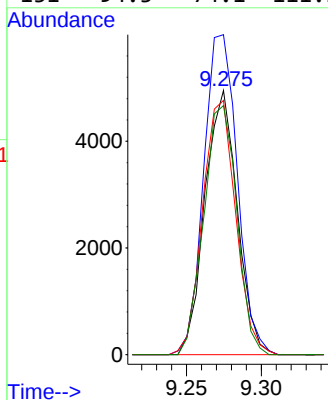
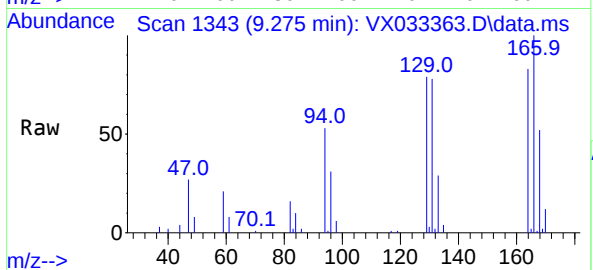




#61  
Tetrachloroethene  
Concen: 6.204 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

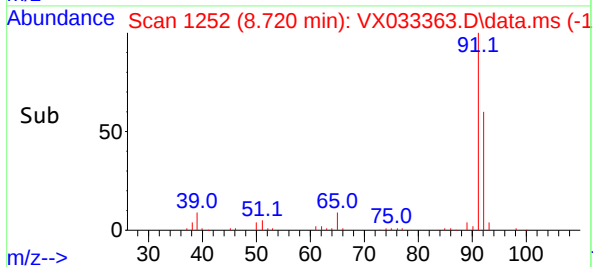
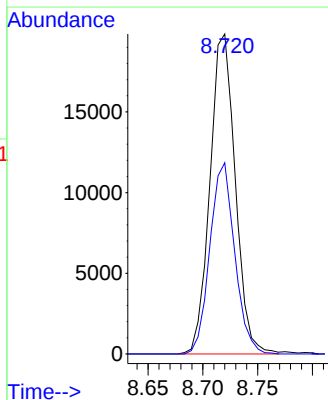
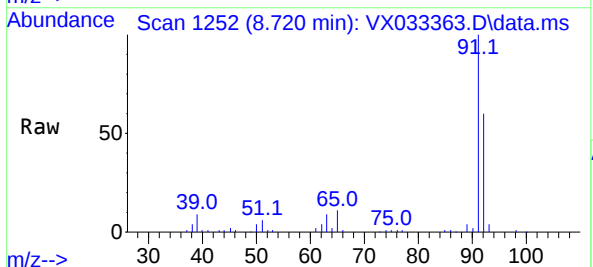
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

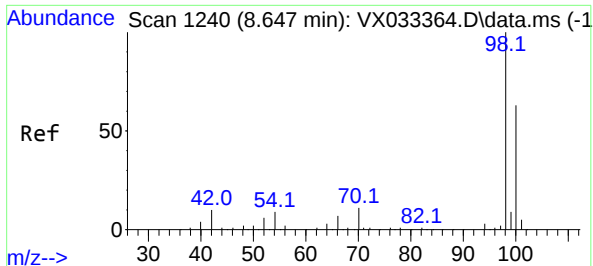
Tgt Ion:164 Resp: 7471  
Ion Ratio Lower Upper  
164 100  
166 121.2 103.3 154.9  
129 96.3 78.3 117.5  
131 94.3 74.1 111.1



#62  
Toluene  
Concen: 5.837 ug/l  
RT: 8.720 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 91 Resp: 31863  
Ion Ratio Lower Upper  
91 100  
92 58.5 46.2 69.2

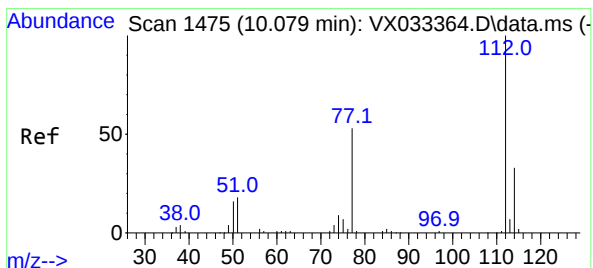
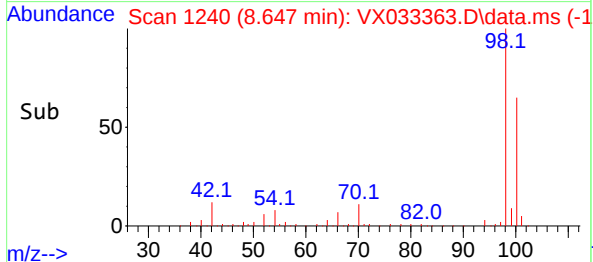
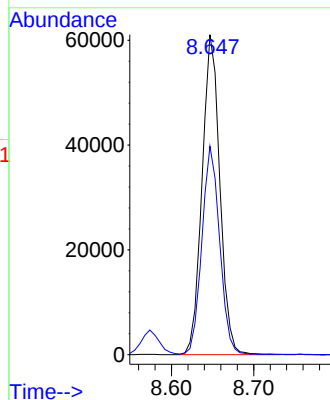
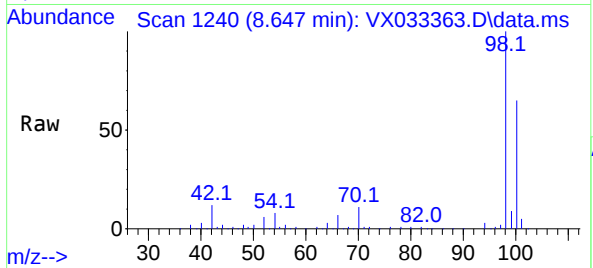




#63  
Toluene-d8  
Concen: 30.636 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

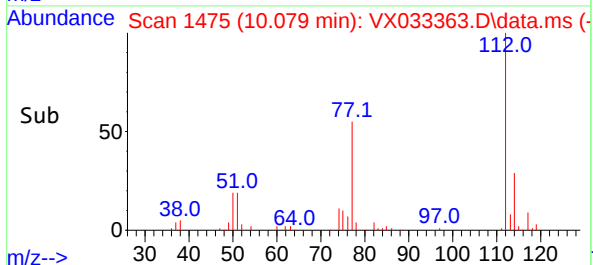
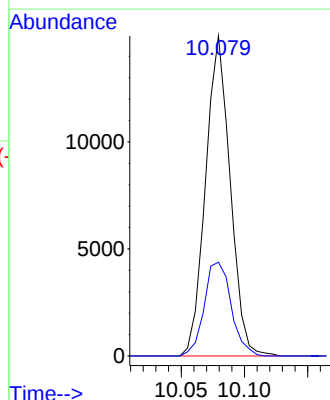
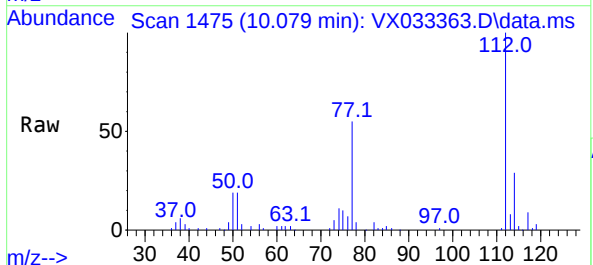
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

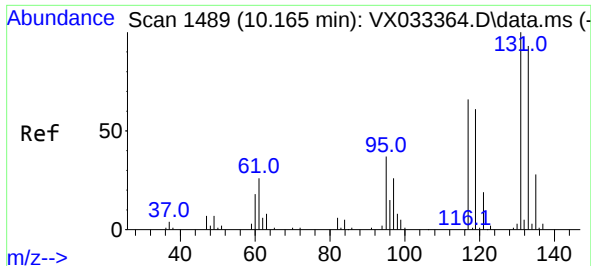
Tgt Ion: 98 Resp: 91654  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.4 77.2



#64  
Chlorobenzene  
Concen: 5.864 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 112 Resp: 20249  
Ion Ratio Lower Upper  
112 100  
114 29.3 26.2 39.2



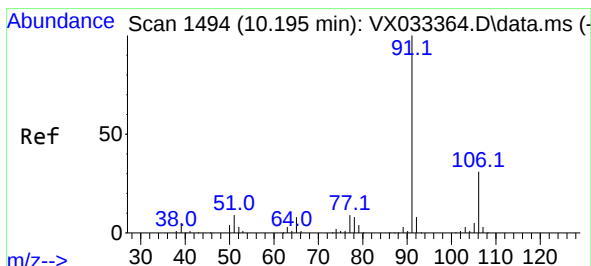
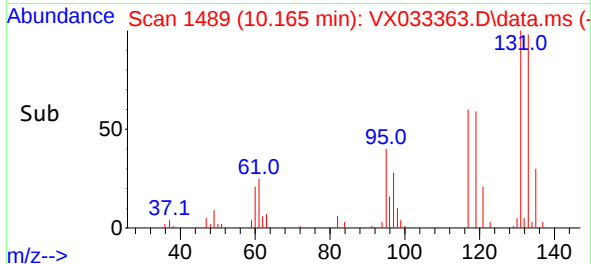
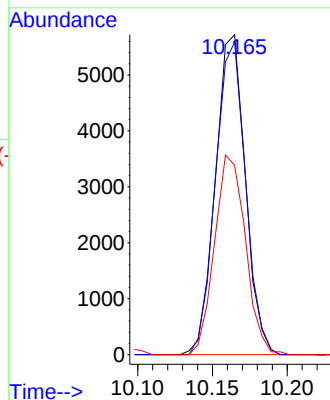
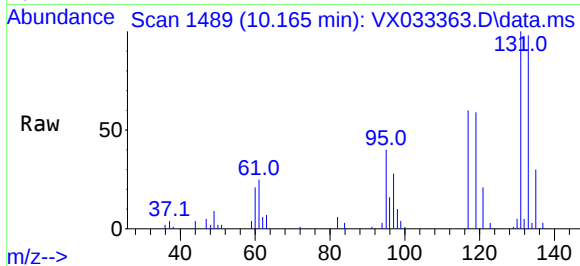


#65  
1,1,1,2-Tetrachloroethane  
Concen: 5.849 ug/l  
RT: 10.165 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion:131 Resp: 7977

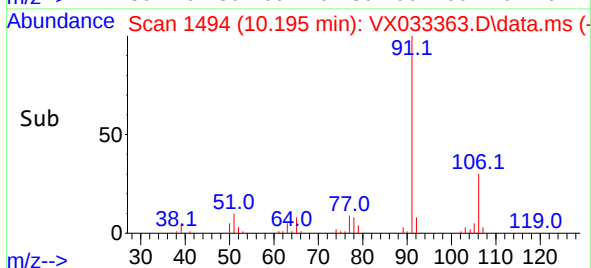
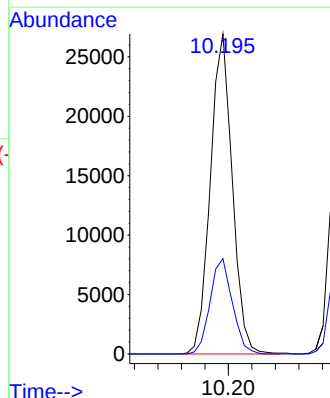
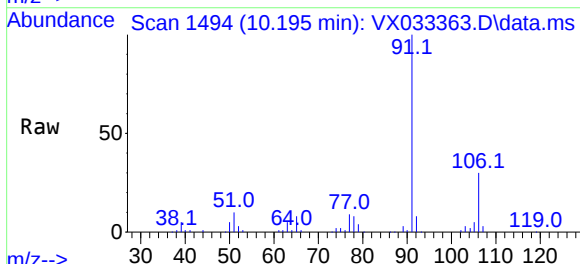
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100   |       |       |
| 133 | 97.8  | 0.0   | 187.6 |
| 119 | 64.2  | 0.0   | 124.2 |

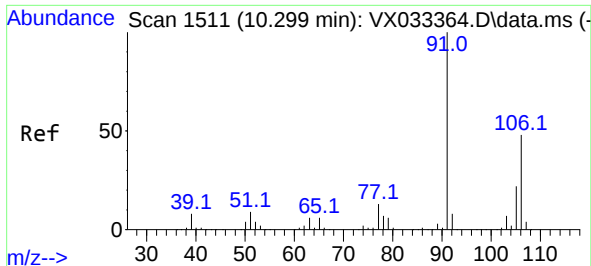


#66  
Ethyl Benzene  
Concen: 5.681 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 91 Resp: 34942

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 29.8  | 24.8  | 37.2  |

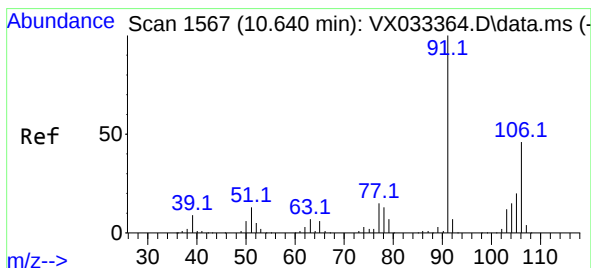
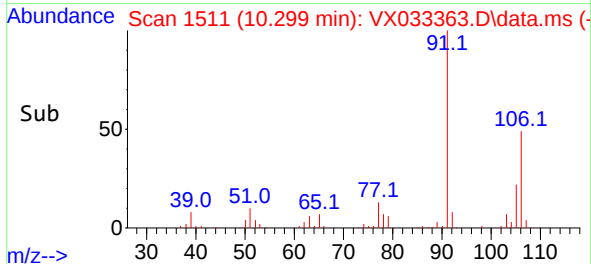
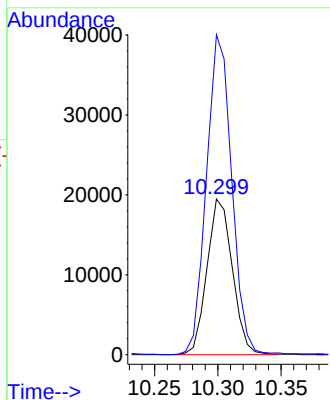
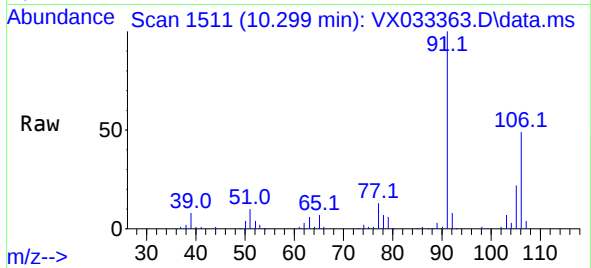




#67  
m/p-Xylenes  
Concen: 11.310 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

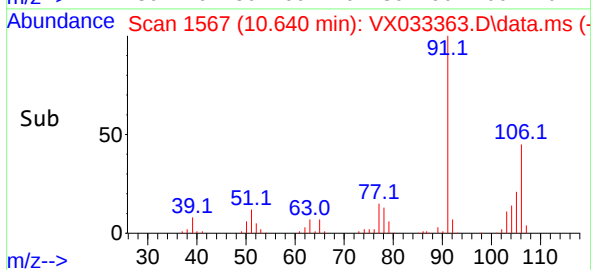
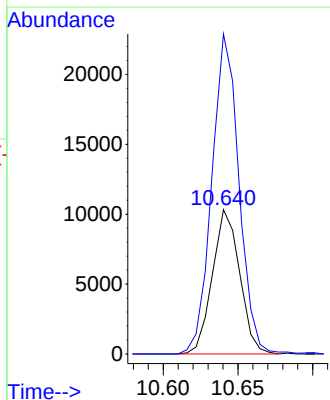
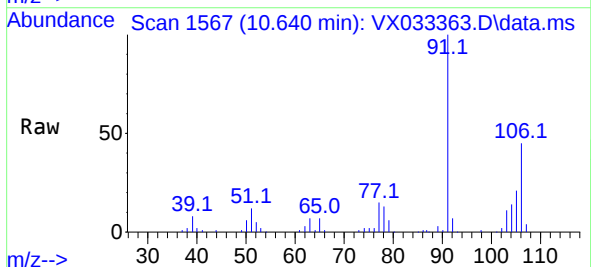
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

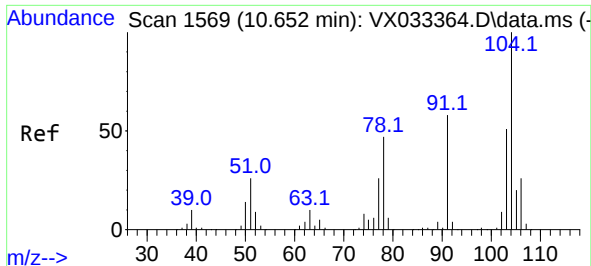
Tgt Ion:106 Resp: 27194  
Ion Ratio Lower Upper  
106 100  
91 205.2 165.4 248.2



#68  
o-Xylene  
Concen: 5.584 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion:106 Resp: 13081  
Ion Ratio Lower Upper  
106 100  
91 220.7 108.0 324.0

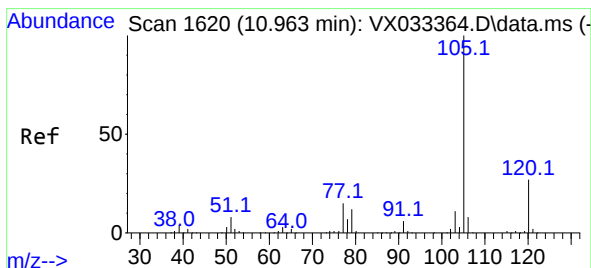
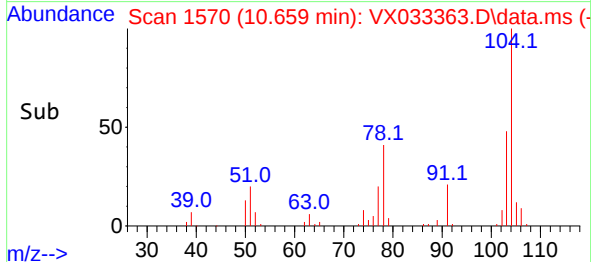
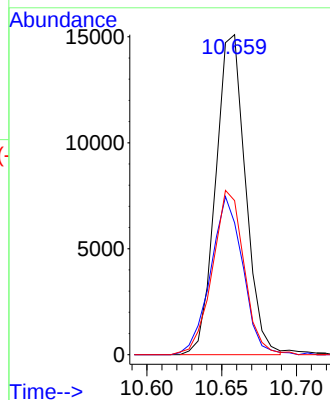
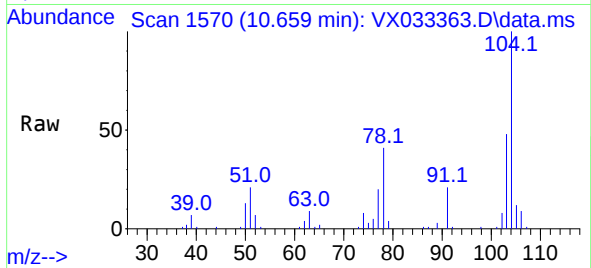




#69  
Styrene  
Concen: 5.385 ug/l  
RT: 10.659 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

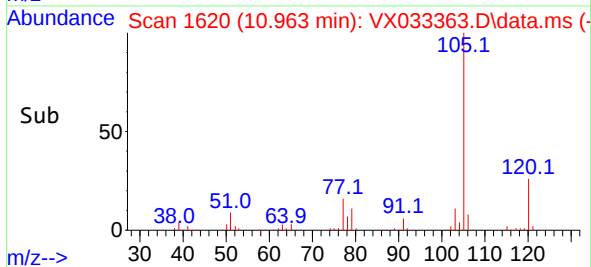
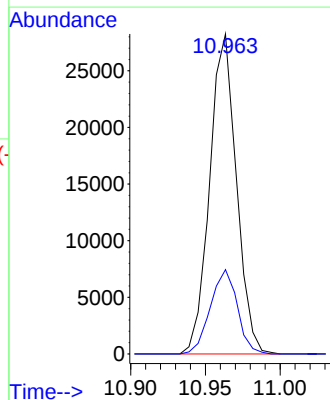
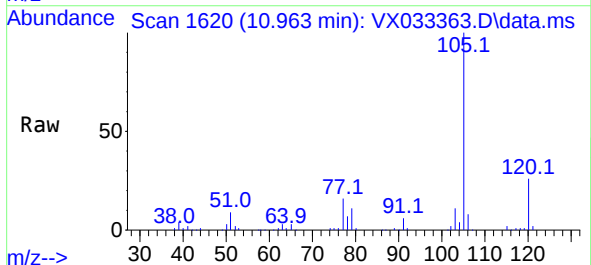
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

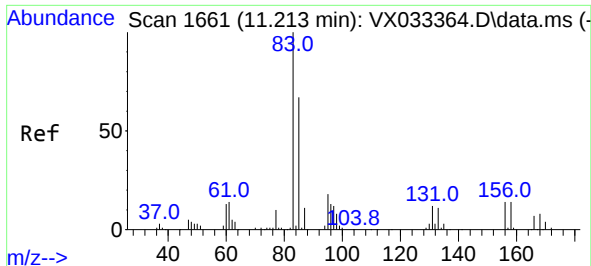
Tgt Ion:104 Resp: 20959  
Ion Ratio Lower Upper  
104 100  
78 53.2 40.0 60.0  
103 54.5 43.9 65.9



#70  
Isopropylbenzene  
Concen: 5.655 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion:105 Resp: 35158  
Ion Ratio Lower Upper  
105 100  
120 26.6 18.1 33.7

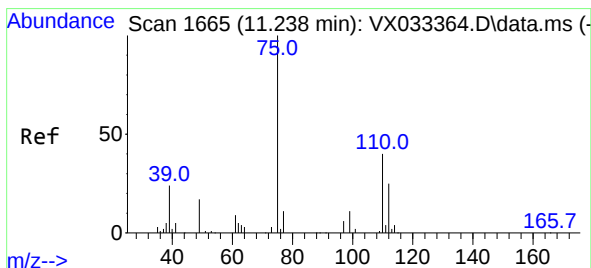
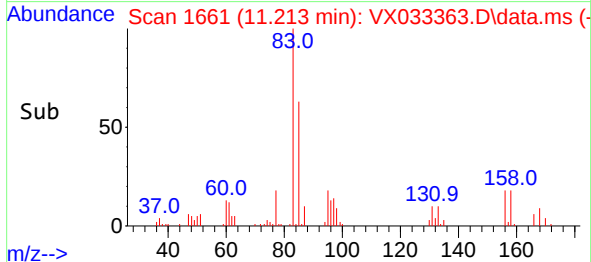
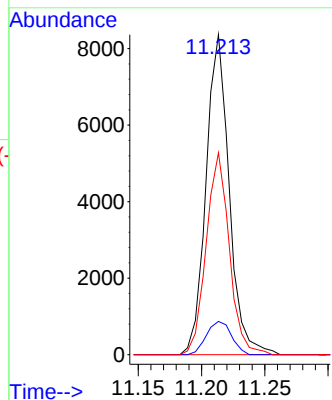
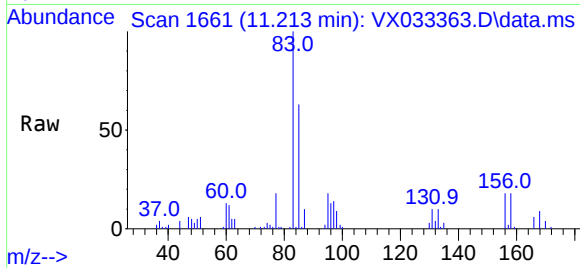




#71  
1,1,2,2-Tetrachloroethane  
Concen: 5.804 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

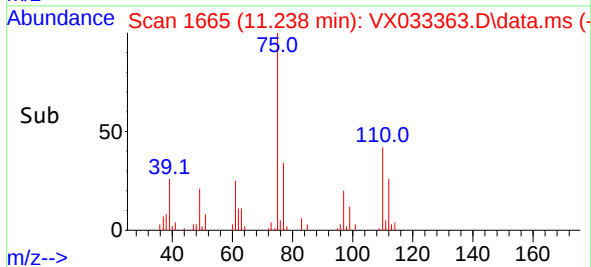
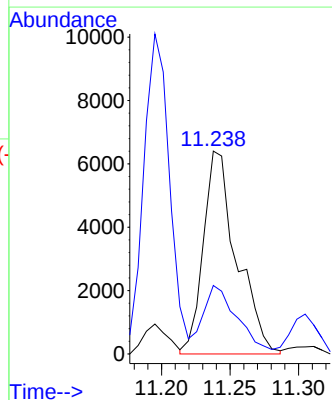
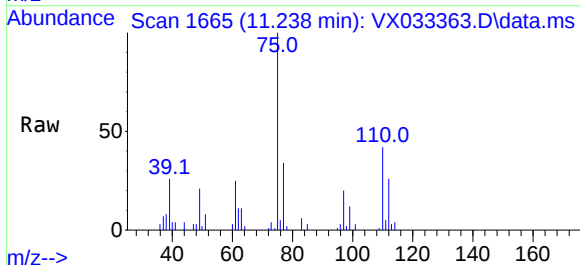
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

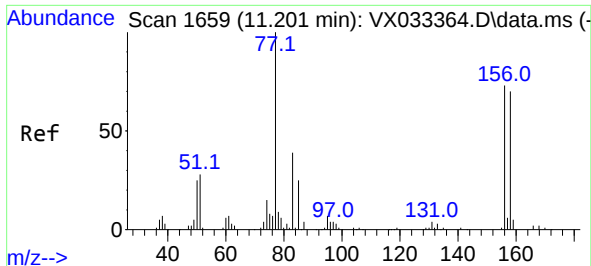
Tgt Ion: 83 Resp: 10671  
Ion Ratio Lower Upper  
83 100  
131 11.2 5.4 16.2  
85 62.8 32.6 97.7



#72  
1,2,3-Trichloropropane  
Concen: 6.638 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 75 Resp: 10869  
Ion Ratio Lower Upper  
75 100  
77 34.9 0.0 74.4

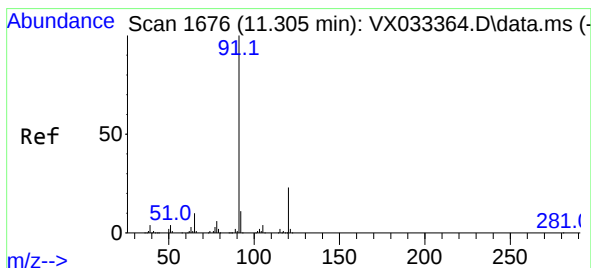
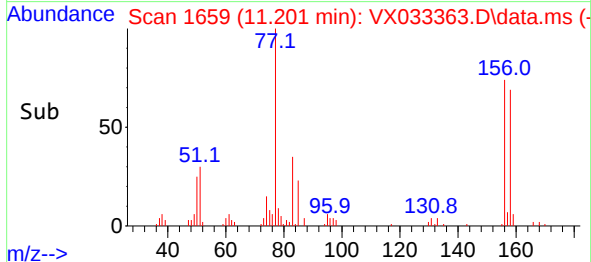
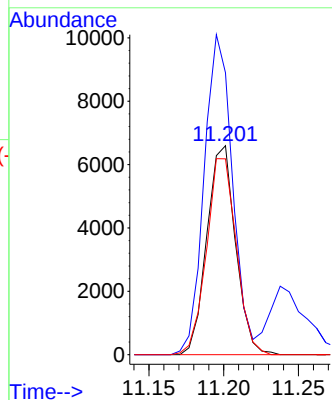
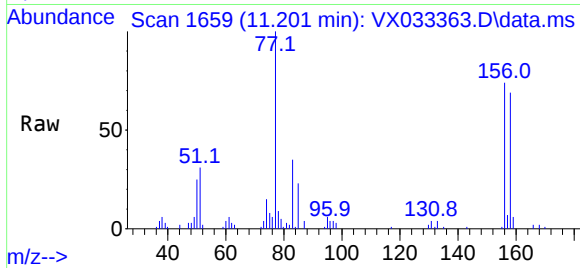




#73  
Bromobenzene  
Concen: 5.724 ug/l  
RT: 11.201 min Scan# 1659  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

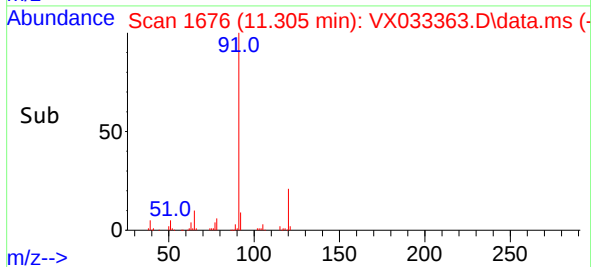
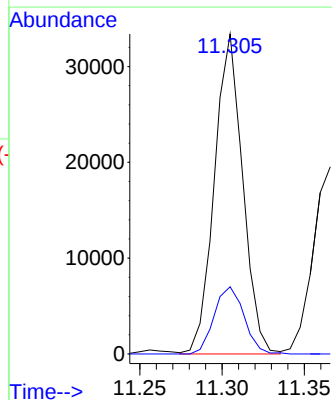
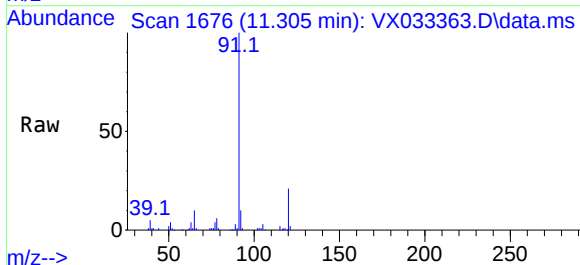
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

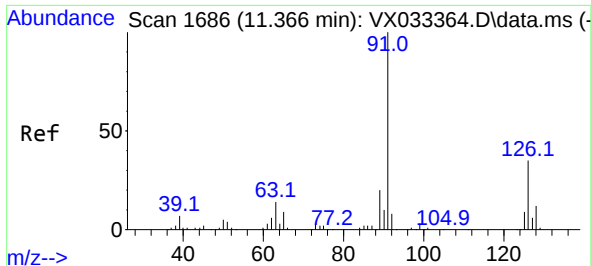
Tgt Ion:156 Resp: 8804  
Ion Ratio Lower Upper  
156 100  
77 150.7 0.0 298.6  
158 97.7 0.0 193.2



#74  
n-propylbenzene  
Concen: 5.616 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 91 Resp: 40009  
Ion Ratio Lower Upper  
91 100  
120 22.1 0.0 46.4

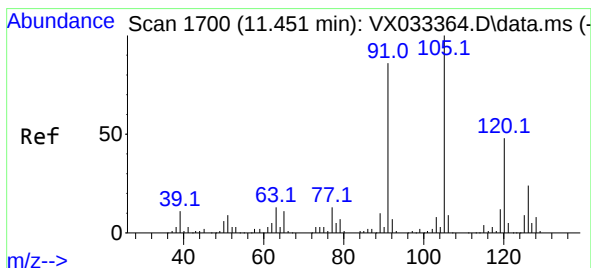
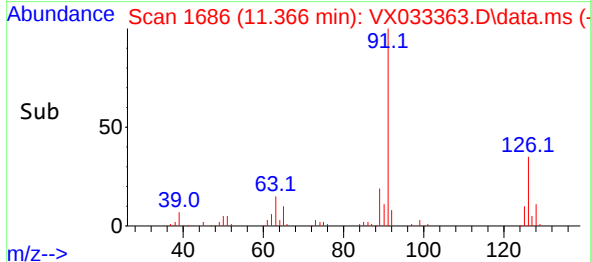
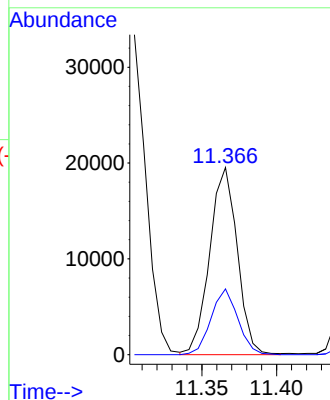
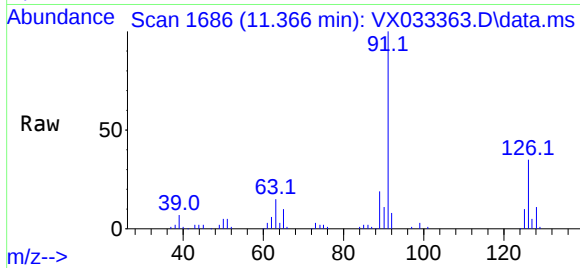




#75  
2-Chlorotoluene  
Concen: 5.859 ug/l  
RT: 11.366 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

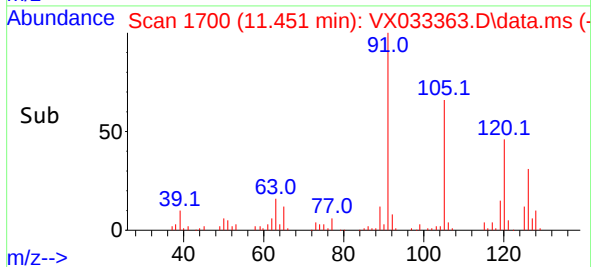
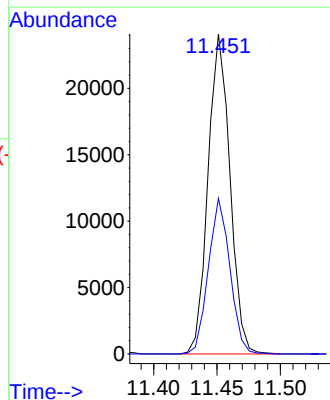
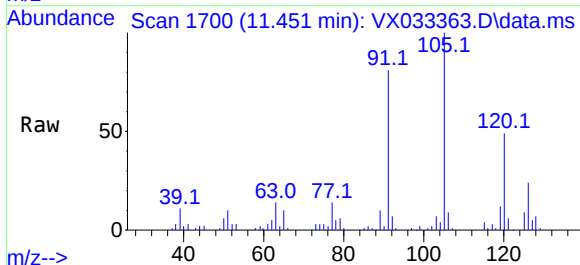
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

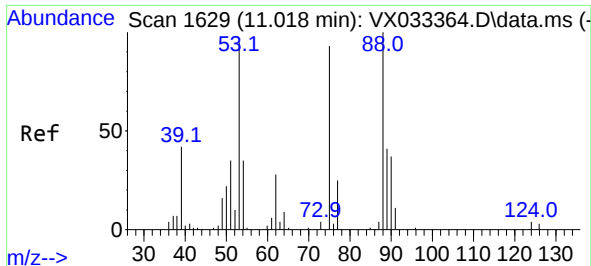
Tgt Ion: 91 Resp: 25089  
Ion Ratio Lower Upper  
91 100  
126 34.1 0.0 68.6



#76  
1,3,5-Trimethylbenzene  
Concen: 5.559 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 105 Resp: 29051  
Ion Ratio Lower Upper  
105 100  
120 47.8 0.0 96.2

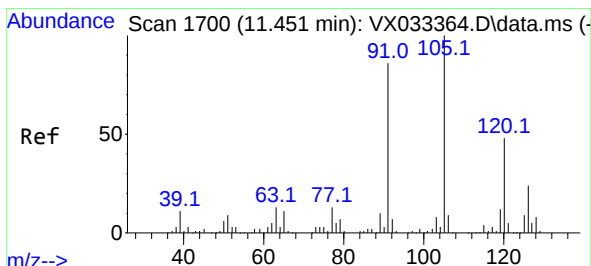
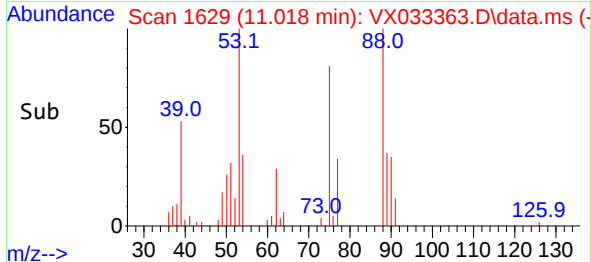
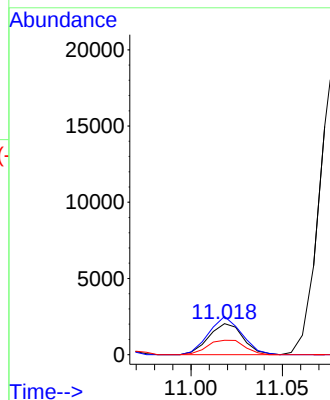
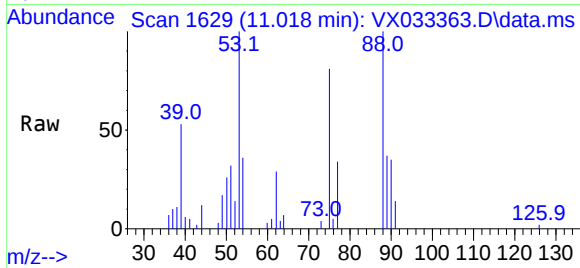




#77  
t-1,4-Dichloro-2-butene  
Concen: 4.899 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

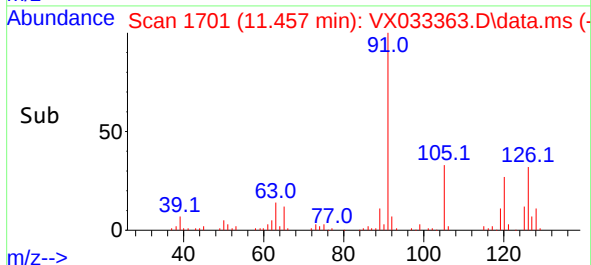
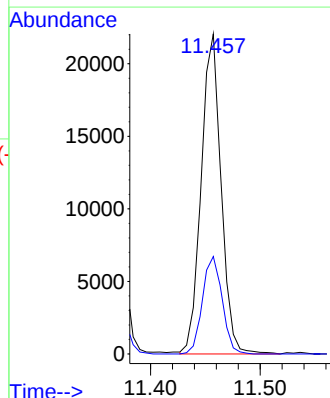
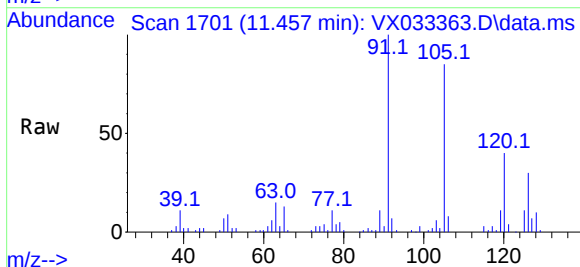
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

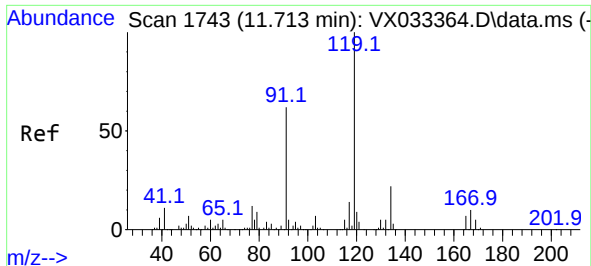
Tgt Ion: 75 Resp: 2667  
Ion Ratio Lower Upper  
75 100  
53 122.7 51.4 154.3  
89 46.1 22.2 66.6



#78  
4-Chlorotoluene  
Concen: 5.672 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 91 Resp: 27835  
Ion Ratio Lower Upper  
91 100  
126 30.1 0.0 59.4

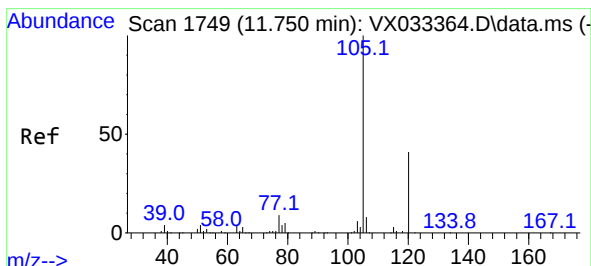
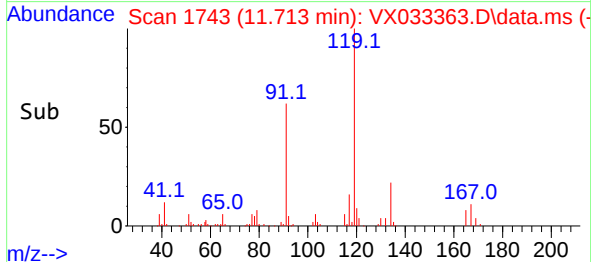
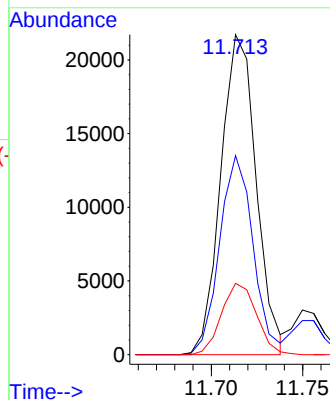
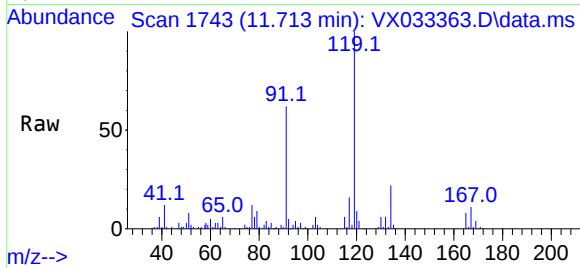




#79  
tert-butylbenzene  
Concen: 5.655 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

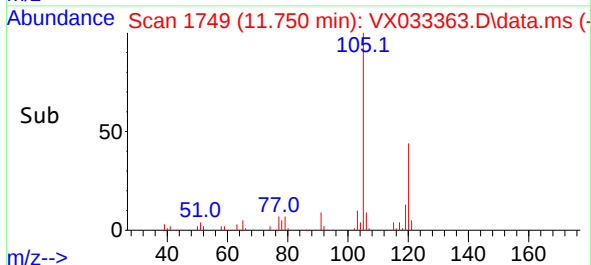
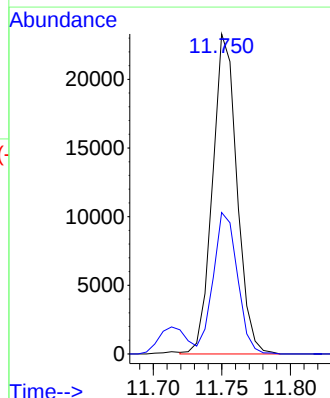
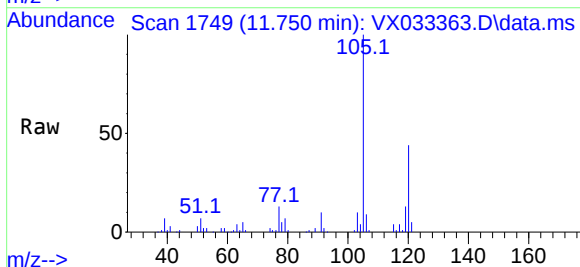
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

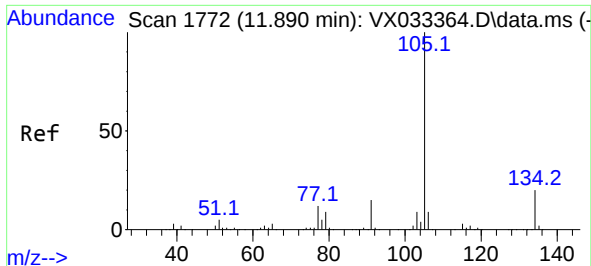
Tgt Ion:119 Resp: 29297  
Ion Ratio Lower Upper  
119 100  
91 59.0 0.0 117.0  
134 22.0 0.0 44.4



#80  
1,2,4-Trimethylbenzene  
Concen: 5.611 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion:105 Resp: 28826  
Ion Ratio Lower Upper  
105 100  
120 43.8 0.0 86.8

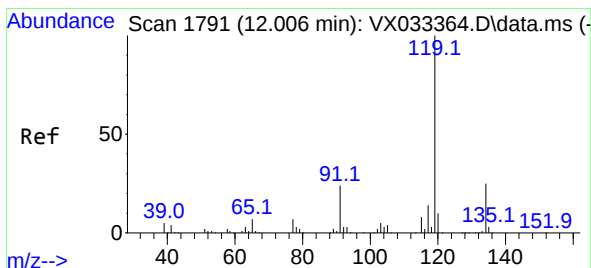
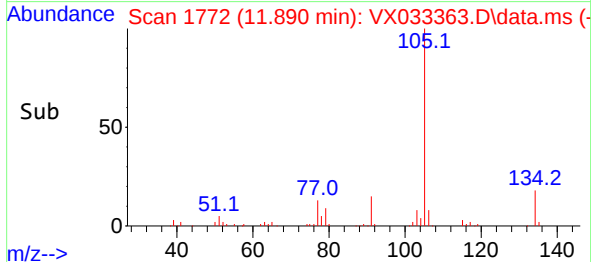
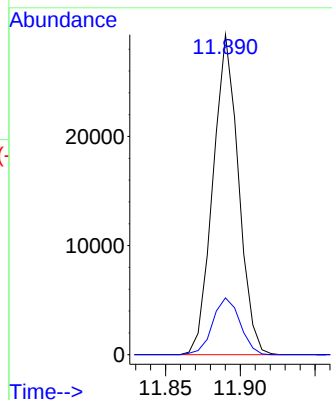
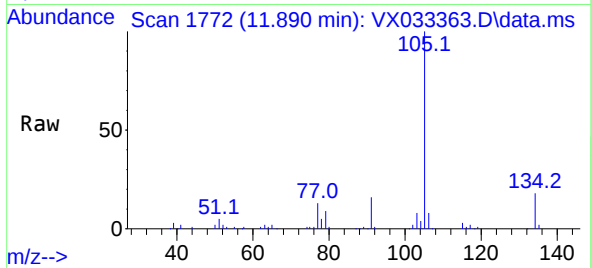




#81  
sec-Butylbenzene  
Concen: 5.597 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

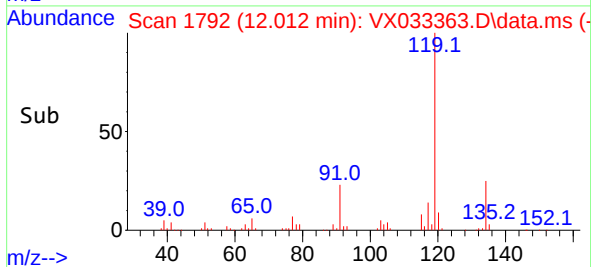
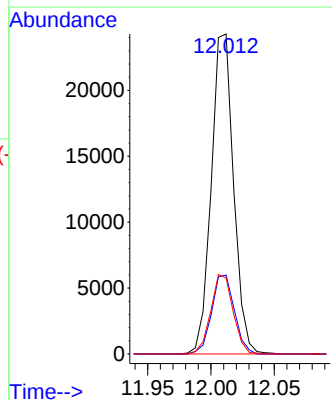
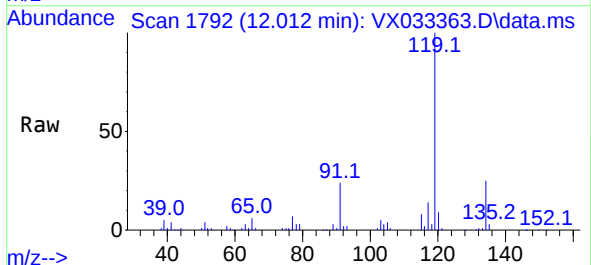
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

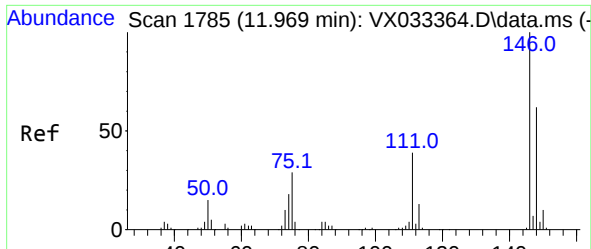
Tgt Ion:105 Resp: 34850  
Ion Ratio Lower Upper  
105 100  
134 19.1 0.0 39.8



#82  
p-Isopropyltoluene  
Concen: 5.605 ug/l  
RT: 12.012 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion:119 Resp: 29762  
Ion Ratio Lower Upper  
119 100  
134 25.0 0.0 52.6  
91 24.8 0.0 47.2

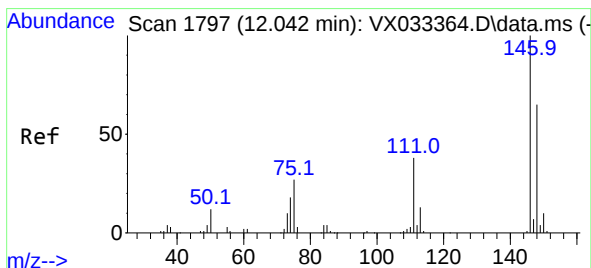
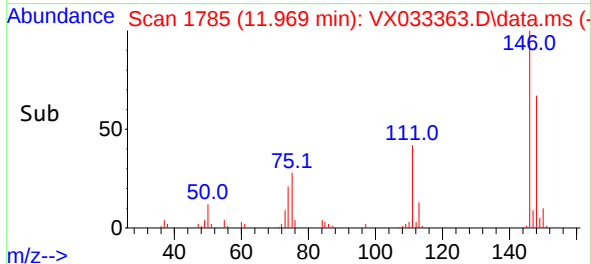
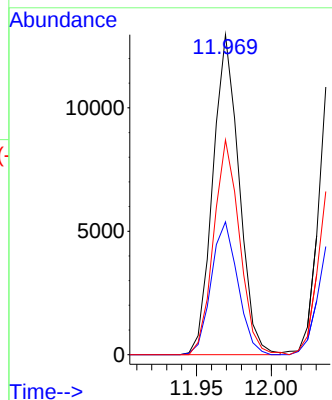
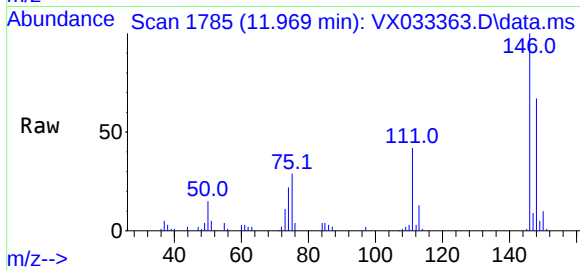




#83  
1,3-Dichlorobenzene  
Concen: 5.574 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

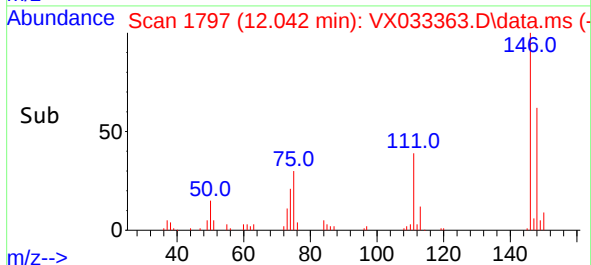
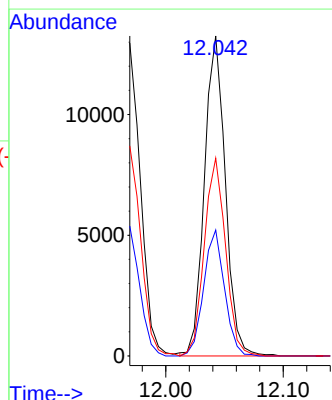
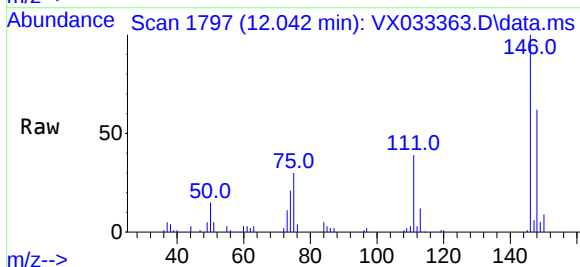
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

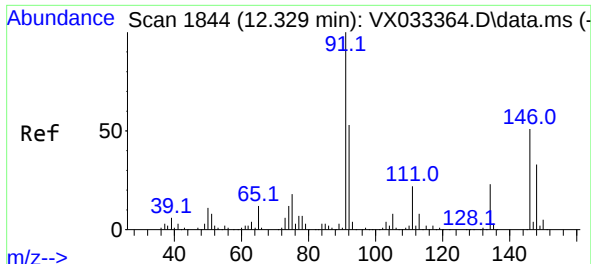
Tgt Ion:146 Resp: 15779  
Ion Ratio Lower Upper  
146 100  
111 42.2 20.1 60.3  
148 66.4 31.3 93.9



#84  
1,4-Dichlorobenzene  
Concen: 5.758 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion:146 Resp: 16407  
Ion Ratio Lower Upper  
146 100  
111 39.3 19.1 57.1  
148 63.1 32.2 96.6

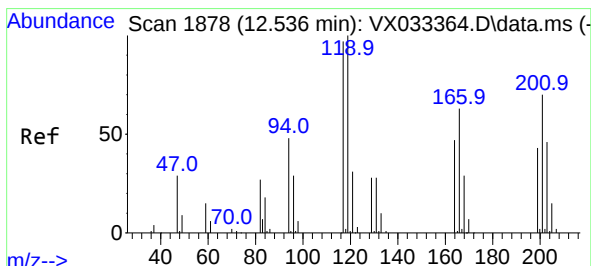
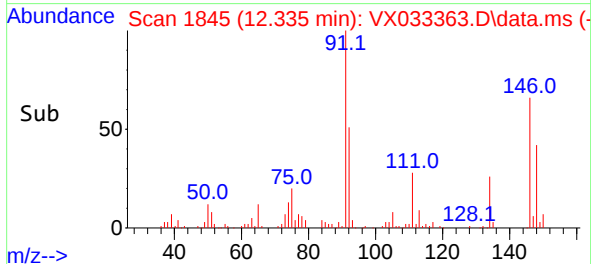
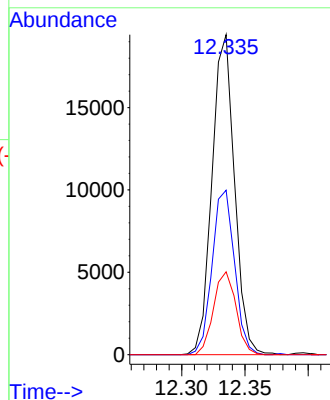
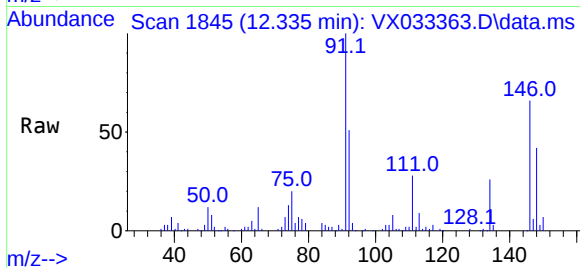




#85  
n-Butylbenzene  
Concen: 5.432 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

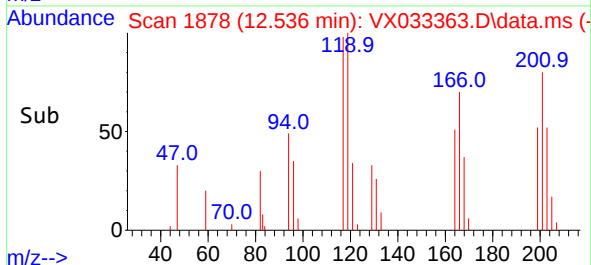
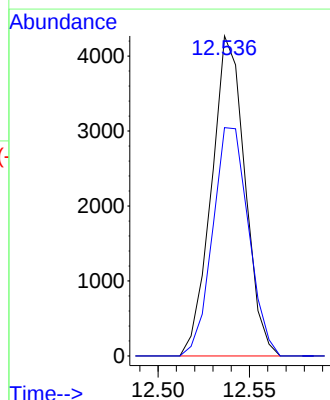
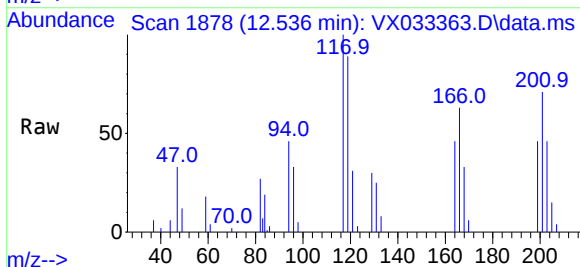
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

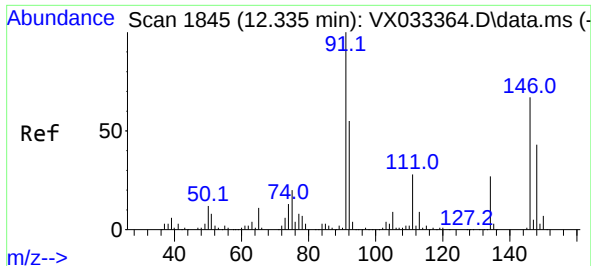
Tgt Ion: 91 Resp: 24079  
Ion Ratio Lower Upper  
91 100  
92 51.3 0.0 106.8  
134 25.8 0.0 51.8



#86  
Hexachloroethane  
Concen: 5.762 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 117 Resp: 5431  
Ion Ratio Lower Upper  
117 100  
201 76.8 40.4 121.2

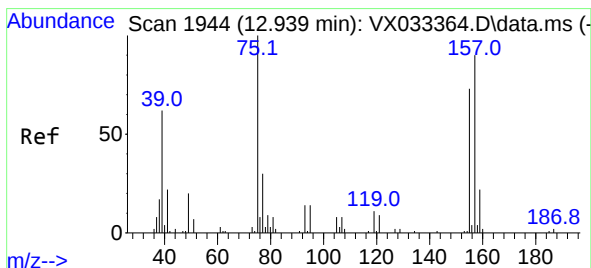
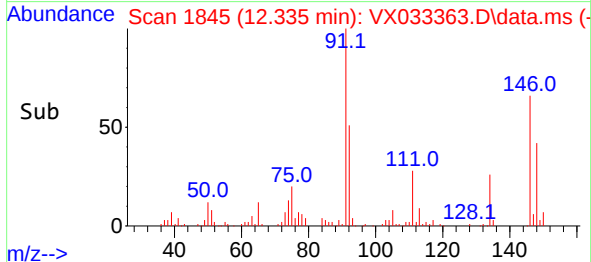
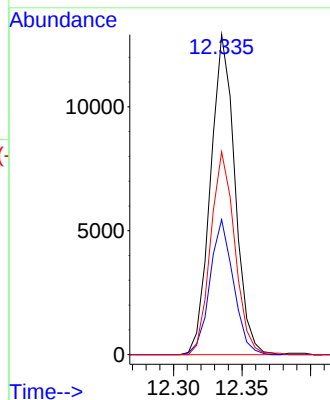
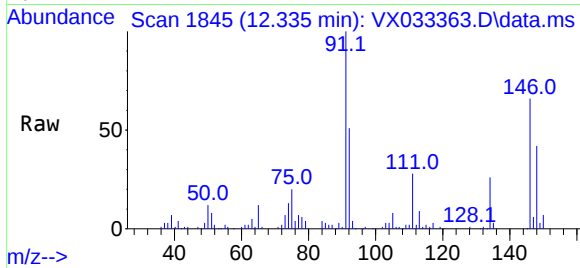




#87  
1,2-Dichlorobenzene  
Concen: 5.726 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

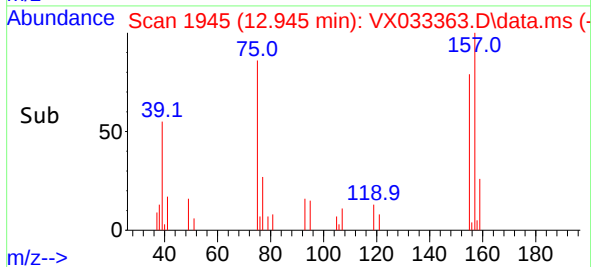
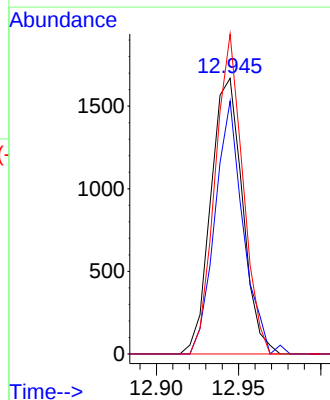
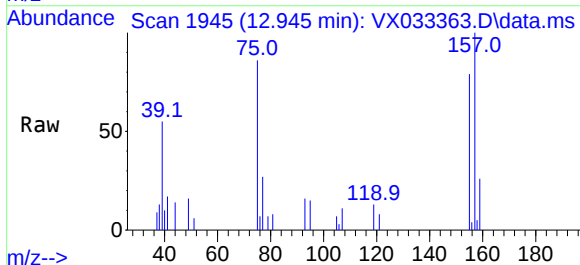
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

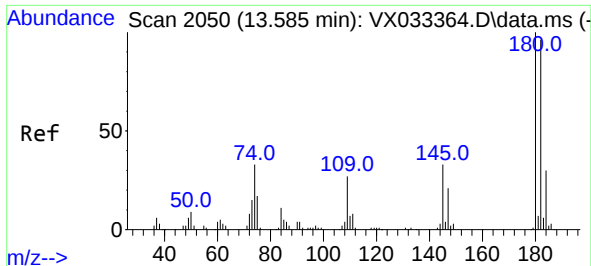
Tgt Ion:146 Resp: 15974  
Ion Ratio Lower Upper  
146 100  
111 40.7 20.9 62.8  
148 62.7 31.9 95.5



#88  
1,2-Dibromo-3-Chloropropane  
Concen: 5.597 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Tgt Ion: 75 Resp: 2242  
Ion Ratio Lower Upper  
75 100  
155 80.9 69.6 104.4  
157 101.5 84.8 127.2





#89

1,2,4-Trichlorobenzene

Concen: 5.258 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

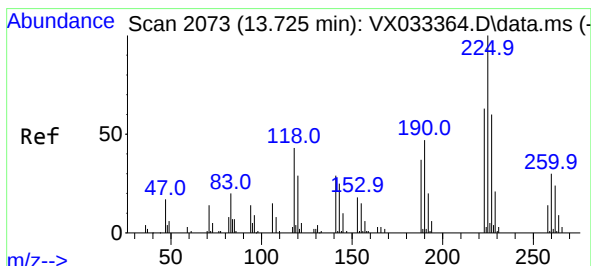
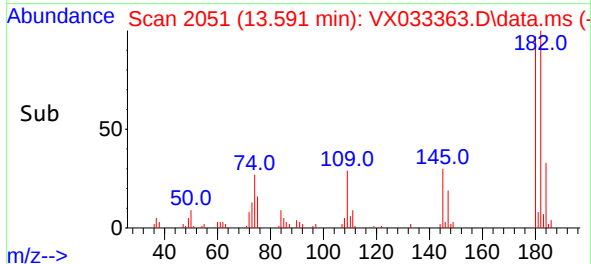
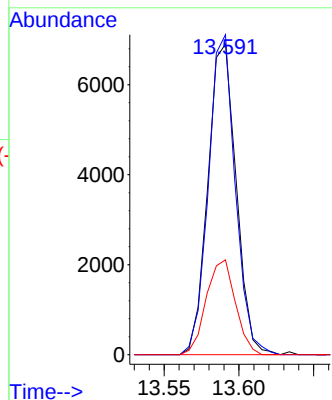
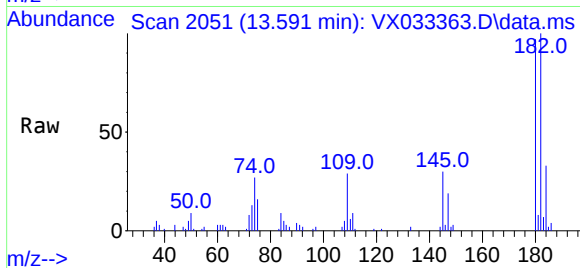
Tgt Ion:180 Resp: 9061

Ion Ratio Lower Upper

180 100

182 98.2 78.4 117.6

145 31.5 25.4 38.2



#90

Hexachlorobutadiene

Concen: 5.785 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

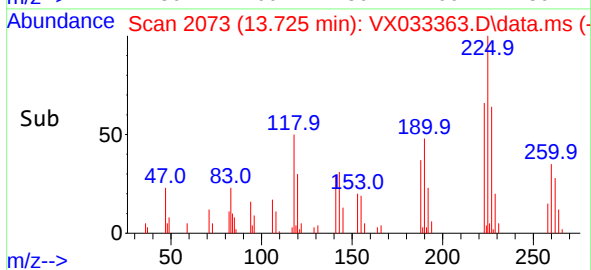
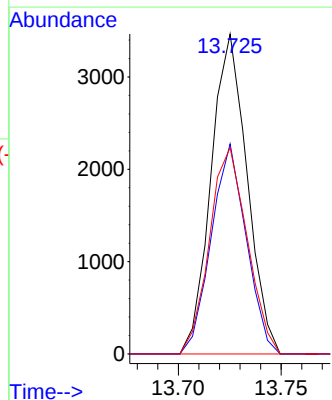
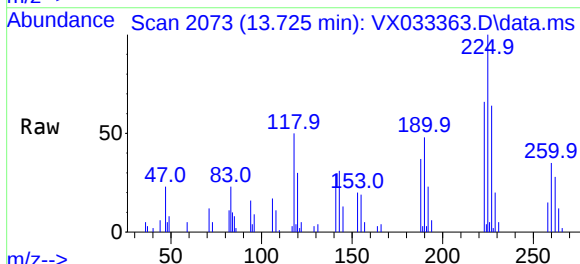
Tgt Ion:225 Resp: 4230

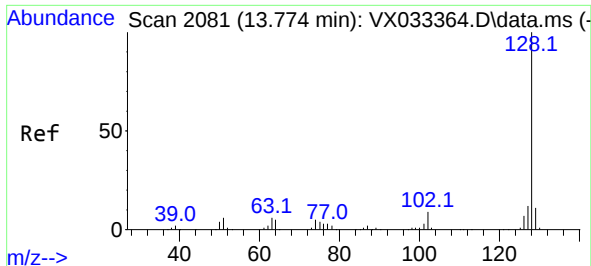
Ion Ratio Lower Upper

225 100

223 63.6 0.0 125.6

227 67.5 0.0 125.4

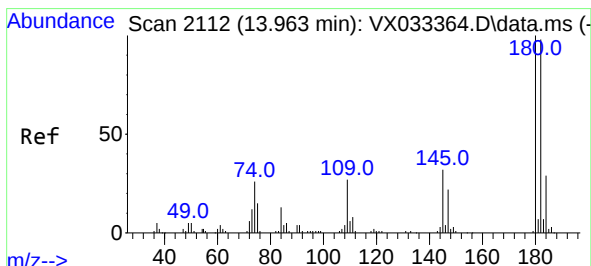
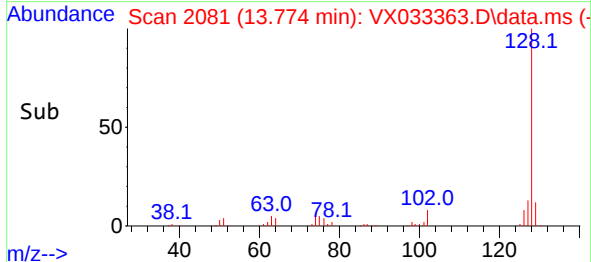
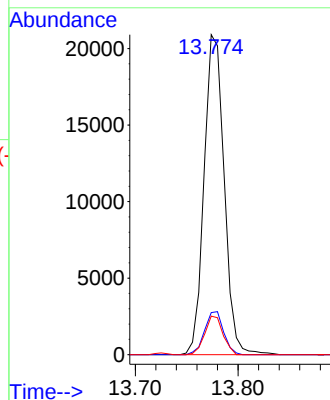
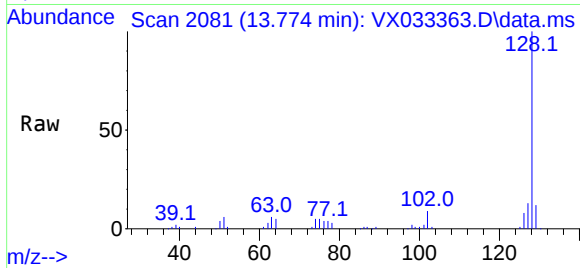




#91  
Naphthalene  
Concen: 5.102 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 28454 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 12.7  | 9.9   | 14.9  |
| 129      | 11.0  | 8.8   | 13.2  |



#92  
1,2,3-Trichlorobenzene  
Concen: 5.424 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX033363.D  
Acq: 12 Dec 2022 10:35

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 9360  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.2  | 0.0   | 194.2 |
| 145      | 32.8  | 0.0   | 68.0  |

