

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
 Data File : VL039628.D  
 Acq On : 19 Sep 2022 9:44  
 Operator : SY/AP  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Quant Time: Sep 20 07:51:58 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.208  | 49   | 1180174  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.664  | 114  | 3136453  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.474 | 117  | 3024953  | 10.000 | ppbv  | # 0.00   |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.783 | 95    | 2233180  | 9.890    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.900% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.751 | 85  | 286536 | 2.094 | ppbv   | 94     |
| 3) Chlorodifluoromethane      | 2.693 | 51  | 292474 | 2.088 | ppbv   | 95     |
| 4) Chloromethane              | 2.835 | 50  | 179543 | 2.124 | ppbv   | 99     |
| 5) Vinyl Chloride             | 2.941 | 62  | 145933 | 2.072 | ppbv   | 93     |
| 6) Bromomethane               | 3.144 | 94  | 52704  | 2.029 | ppbv   | 93     |
| 7) Chloroethane               | 3.217 | 64  | 53158  | 2.063 | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 2.877 | 85  | 348388 | 2.123 | ppbv   | 96     |
| 9) Propene                    | 2.716 | 41  | 128881 | 2.015 | ppbv   | 94     |
| 10) Heptane                   | 7.587 | 43  | 323467 | 2.167 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.584 | 101 | 346200 | 2.043 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.082 | 101 | 264697 | 2.068 | ppbv   | 98     |
| 13) Ethanol                   | 3.256 | 45  | 5252   | 1.078 | ppbv # | 28     |
| 14) Bromoethene               | 3.388 | 108 | 105400 | 2.063 | ppbv   | 92     |
| 15) Acetone                   | 3.488 | 43  | 292301 | 2.226 | ppbv   | 96     |
| 16) 1,3-Butadiene             | 3.005 | 39  | 141219 | 2.120 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 3.902 | 59  | 231443 | 1.964 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.902 | 96  | 114853 | 2.040 | ppbv   | 91     |
| 19) Isopropyl Alcohol         | 3.597 | 45  | 123526 | 1.845 | ppbv   | 98     |
| 20) Methylene Chloride        | 3.954 | 84  | 137734 | 2.268 | ppbv   | 97     |
| 21) Allyl Chloride            | 4.015 | 41  | 179692 | 2.009 | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 4.462 | 96  | 110006 | 1.975 | ppbv   | 96     |
| 23) Vinyl Acetate             | 4.645 | 43  | 118009 | 1.988 | ppbv # | 97     |
| 24) 1,1-Dichloroethane        | 4.581 | 63  | 240664 | 2.036 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.224 | 43  | 622703 | 2.175 | ppbv   | 99     |
| 26) Hexane                    | 5.227 | 57  | 265764 | 2.187 | ppbv   | 99     |
| 27) Carbon Disulfide          | 4.144 | 76  | 261151 | 2.045 | ppbv   | 96     |
| 28) Methyl tert-Butyl Ether   | 4.607 | 73  | 210054 | 2.057 | ppbv   | 99     |
| 29) Chloroform                | 5.288 | 83  | 361641 | 2.061 | ppbv   | 99     |
| 30) Cyclohexane               | 6.616 | 84  | 196026 | 2.083 | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene    | 5.095 | 61  | 227699 | 2.072 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.015 | 97  | 352470 | 2.219 | ppbv   | 98     |
| 34) 2-Butanone                | 4.806 | 43  | 313824 | 2.037 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 6.504 | 117 | 361107 | 2.169 | ppbv   | 98     |
| 36) Benzene                   | 6.381 | 78  | 511771 | 2.134 | ppbv # | 91     |
| 37) 1,2-Dichloroethane        | 5.815 | 62  | 262039 | 2.008 | ppbv   | 98     |
| 38) Trichloroethene           | 7.301 | 130 | 286901 | 2.214 | ppbv   | 93     |
| 39) 1,2-Dichloropropane       | 7.086 | 63  | 193996 | 2.095 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.311 | 88  | 64984  | 1.719 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.584 | 42  | 194988 | 2.063 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.259 | 83  | 379980 | 2.093 | ppbv   | 94     |
| 43) Methyl Methacrylate       | 7.491 | 69  | 188094 | 2.152 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.336 | 57  | 887328 | 2.147 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.722 | 75  | 68098  | 0.922 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
 Data File : VL039628.D  
 Acq On : 19 Sep 2022 9:44  
 Operator : SY/AP  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

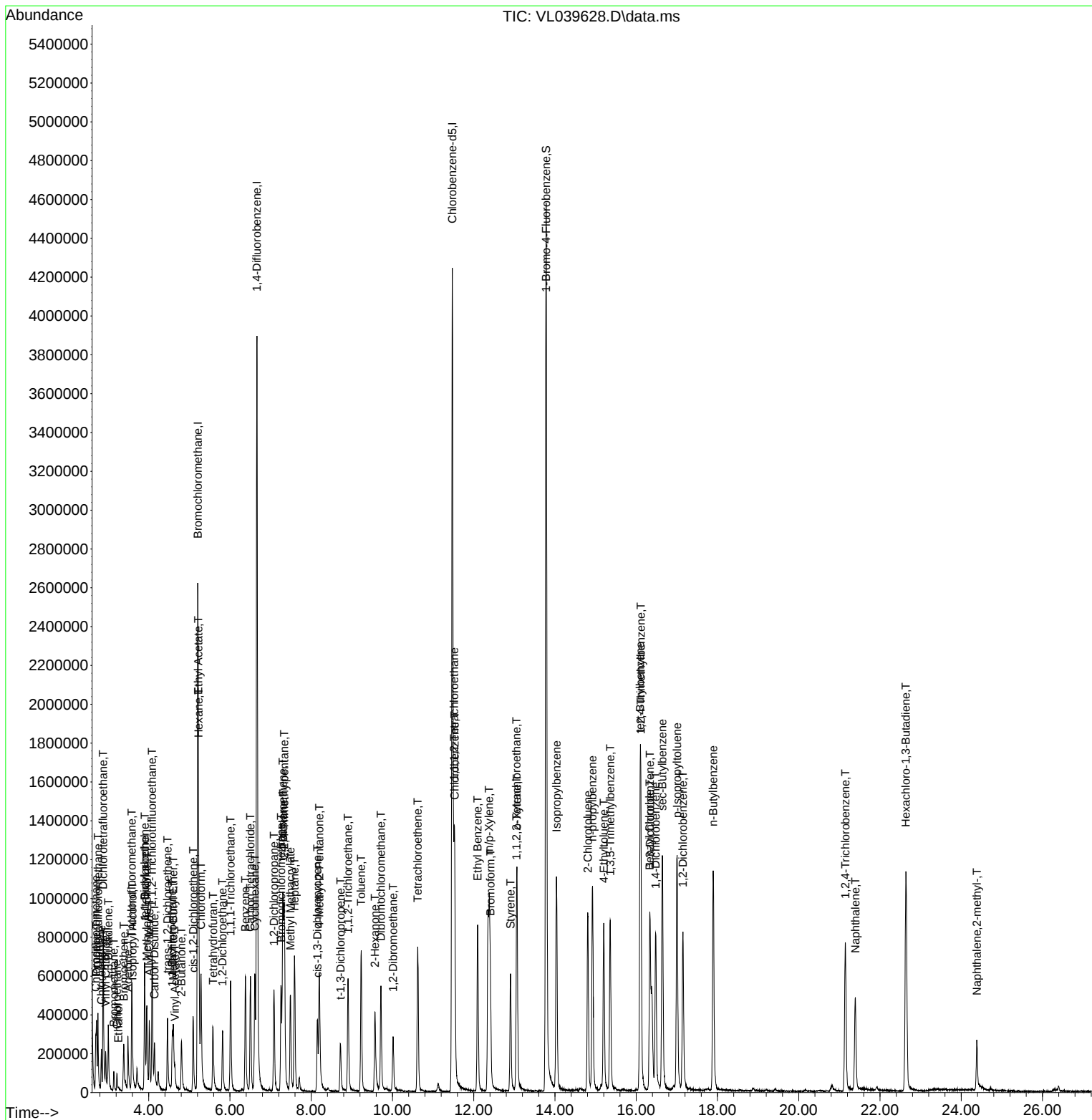
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

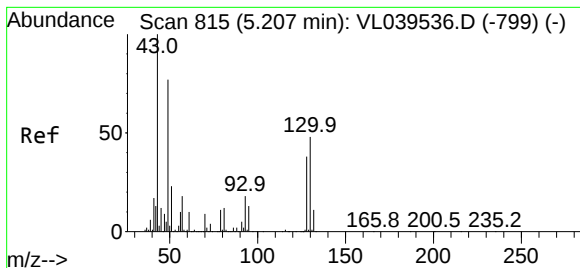
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.156  | 75   | 214541   | 2.040 | ppbv   | 94       |
| 47) 1,1,2-Trichloroethane     | 8.905  | 97   | 212533   | 2.100 | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.716  | 129  | 321508   | 2.110 | ppbv   | 98       |
| 49) Bromoform                 | 12.410 | 173  | 251156   | 1.992 | ppbv   | 97       |
| 50) 4-Methyl-2-Pentanone      | 8.198  | 43   | 511676   | 2.114 | ppbv   | 100      |
| 51) 2-Hexanone                | 9.568  | 43   | 369085   | 2.060 | ppbv # | 96       |
| 52) Tetrachloroethene         | 10.622 | 164  | 191599   | 2.094 | ppbv   | 94       |
| 53) Toluene                   | 9.230  | 91   | 574084   | 2.153 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.015 | 107  | 233208   | 2.154 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 11.519 | 131  | 256007   | 2.094 | ppbv # | 1        |
| 57) Chlorobenzene             | 11.532 | 112  | 467280   | 2.101 | ppbv   | 95       |
| 58) Ethyl Benzene             | 12.095 | 91   | 773280   | 2.217 | ppbv   | 95       |
| 59) m/p-Xylene                | 12.378 | 91   | 738049   | 2.378 | ppbv # | 42       |
| 60) o-Xylene                  | 13.066 | 91   | 650279   | 2.194 | ppbv   | 99       |
| 61) Styrene                   | 12.905 | 104  | 349189   | 2.187 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.037 | 105  | 973909   | 2.184 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.053 | 83   | 262164   | 2.217 | ppbv   | 98       |
| 64) n-propylbenzene           | 14.924 | 120  | 247646   | 2.168 | ppbv   | 90       |
| 65) tert-Butylbenzene         | 16.095 | 119  | 895168   | 2.272 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.333 | 91   | 41988    | 1.338 | ppbv # | 79       |
| 67) sec-Butylbenzene          | 16.641 | 105  | 1243291  | 2.249 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 17.008 | 119  | 480625   | 1.058 | ppbv # | 45       |
| 70) n-Butylbenzene            | 17.895 | 91   | 997282   | 2.240 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.809 | 91   | 707446   | 2.197 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.204 | 105  | 371000   | 1.096 | ppbv # | 55       |
| 73) 1,3,5-Trimethylbenzene    | 15.362 | 105  | 690053   | 2.229 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.114 | 105  | 760968   | 2.192 | ppbv   | 92       |
| 75) 1,3-Dichlorobenzene       | 16.336 | 146  | 446572   | 2.156 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 16.477 | 146  | 233056   | 1.125 | ppbv # | 29       |
| 77) 1,2-Dichlorobenzene       | 17.149 | 146  | 436332   | 2.161 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 22.638 | 225  | 351007   | 2.275 | ppbv   | 98       |
| 79) Naphthalene               | 21.394 | 128  | 570957   | 2.493 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.384 | 142  | 183571   | 2.132 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.149 | 180  | 336106   | 2.234 | ppbv   | 99       |

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

Quant Time: Sep 20 07:51:58 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Mon Sep 19 14:26:28 2022  
Response via : Initial Calibration

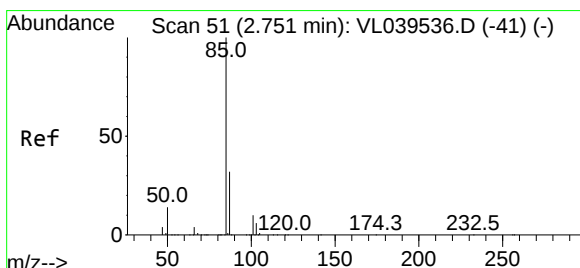
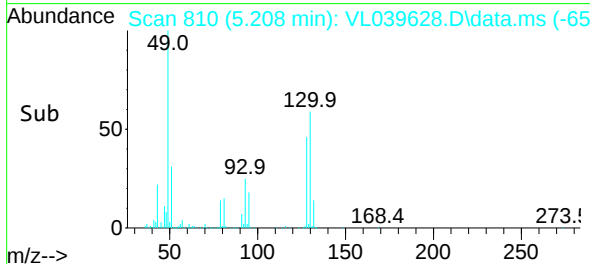
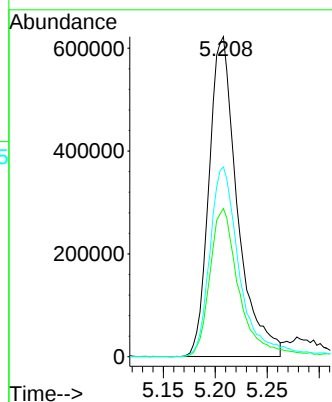
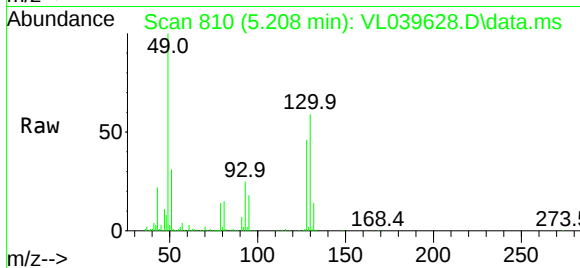




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.208 min Scan# 815  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

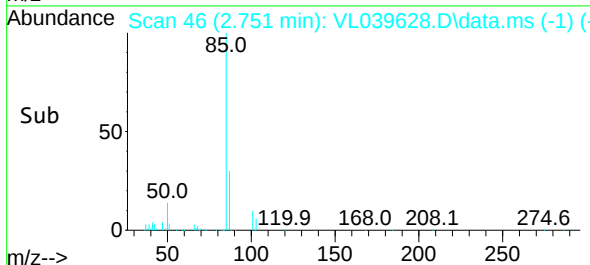
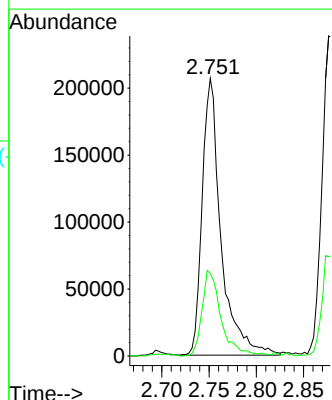
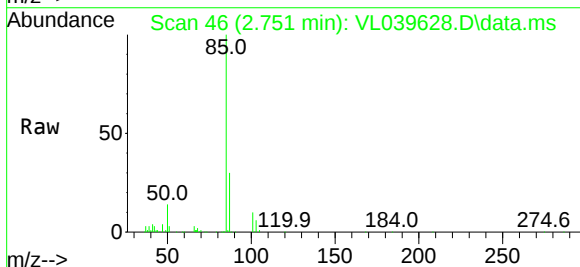
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

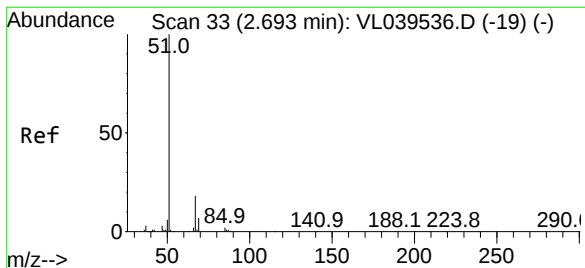
Tgt Ion: 49 Resp: 1180174  
 Ion Ratio Lower Upper  
 49 100  
 128 49.3 26.7 80.0  
 130 63.5 34.3 102.8



#2  
 Dichlorodifluoromethane  
 Concen: 2.094 ppbv  
 RT: 2.751 min Scan# 46  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 85 Resp: 286536  
 Ion Ratio Lower Upper  
 85 100  
 87 29.8 26.7 40.1

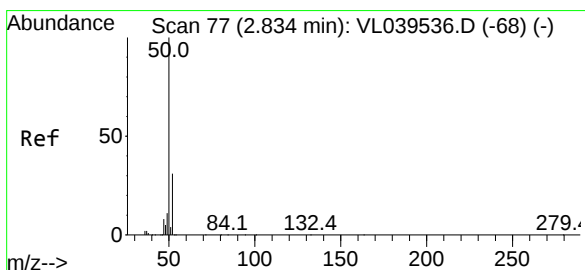
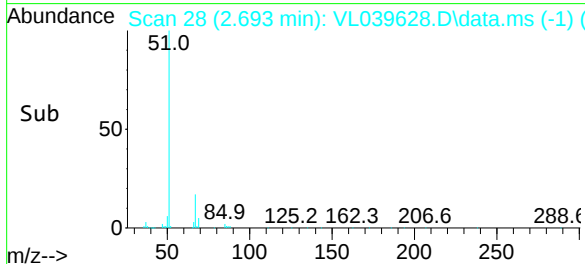
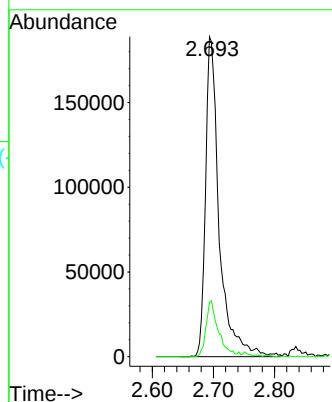
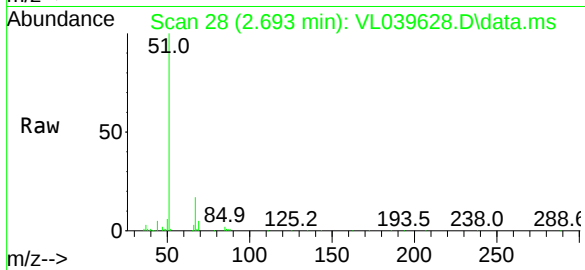




#3  
 Chlorodifluoromethane  
 Concen: 2.088 ppbv  
 RT: 2.693 min Scan# 21  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

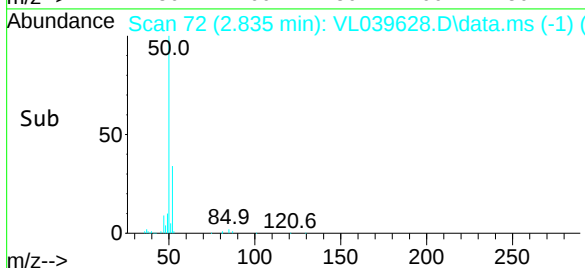
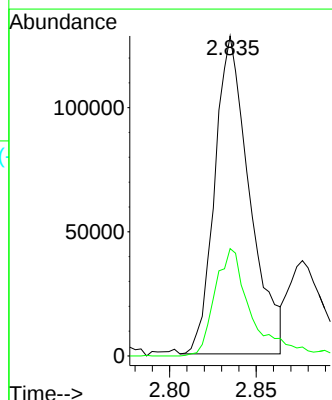
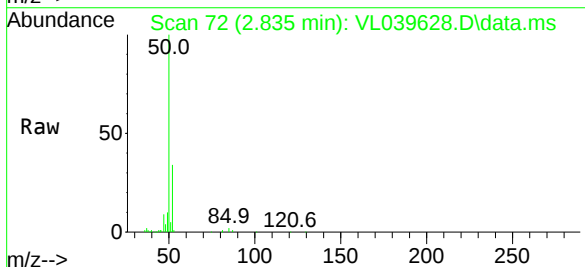
Instrument :  
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 ClientSampleId :  
 VSTDIC002

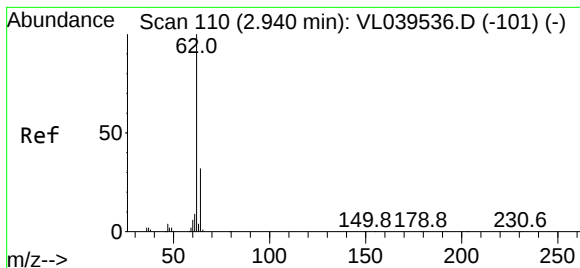
Tgt Ion: 51 Resp: 292474  
 Ion Ratio Lower Upper  
 51 100  
 67 17.3 15.7 23.5



#4  
 Chloromethane  
 Concen: 2.124 ppbv  
 RT: 2.835 min Scan# 72  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 50 Resp: 179543  
 Ion Ratio Lower Upper  
 50 100  
 52 33.8 26.5 39.7

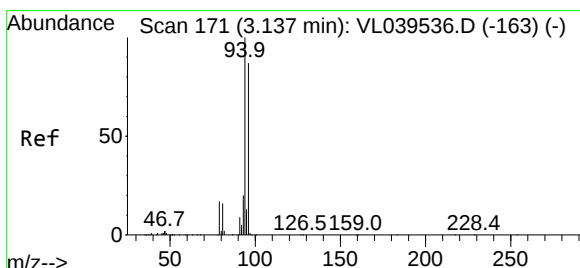
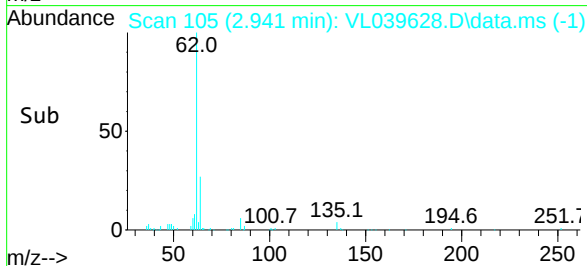
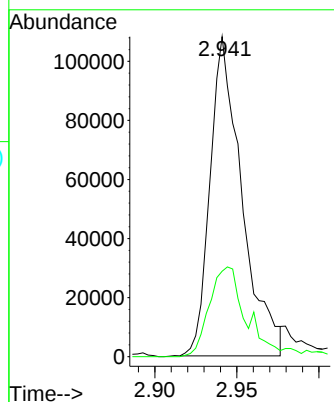
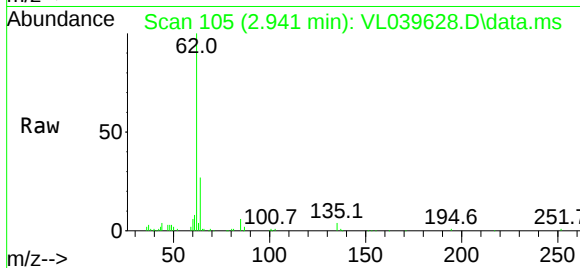




#5  
 Vinyl Chloride  
 Concen: 2.072 ppbv  
 RT: 2.941 min Scan# 105  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

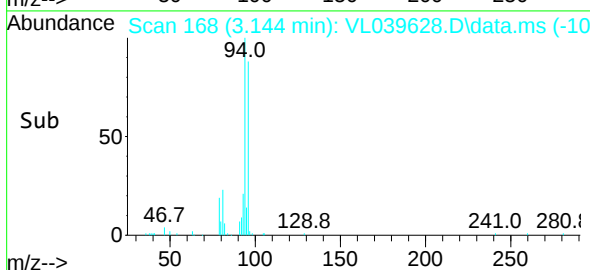
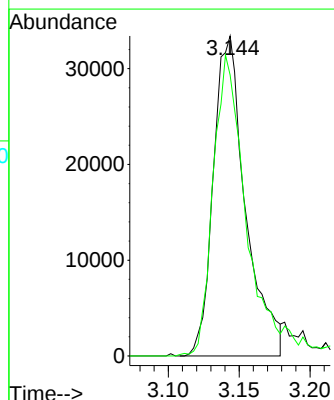
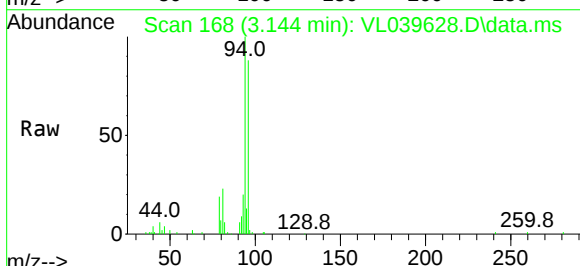
Instrument :  
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 ClientSampleId :  
 VSTDIC002

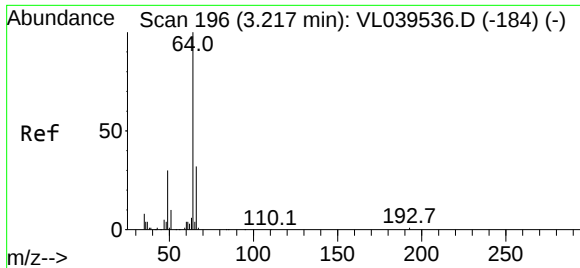
Tgt Ion: 62 Resp: 145933  
 Ion Ratio Lower Upper  
 62 100  
 64 26.8 24.6 36.8



#6  
 Bromomethane  
 Concen: 2.029 ppbv  
 RT: 3.144 min Scan# 168  
 Delta R.T. 0.007 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 94 Resp: 52704  
 Ion Ratio Lower Upper  
 94 100  
 96 87.3 75.6 113.4

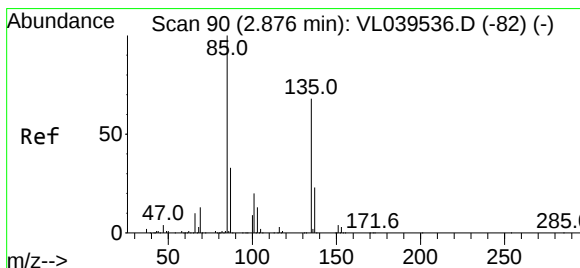
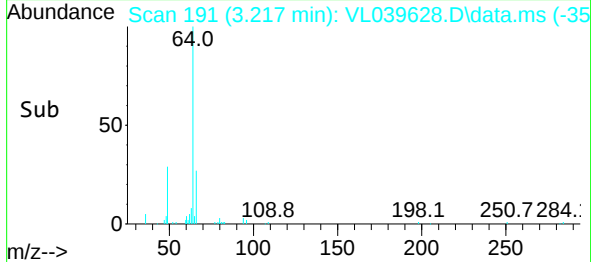
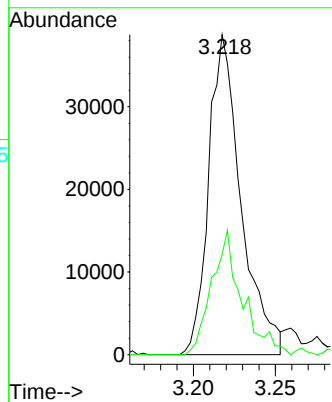
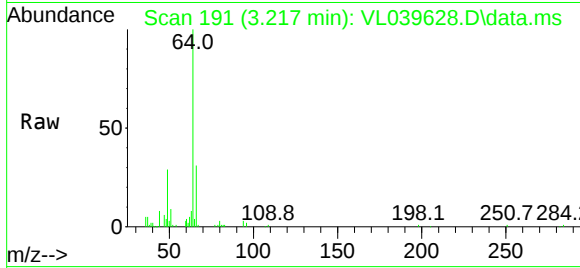




#7  
Chloroethane  
Concen: 2.063 ppbv  
RT: 3.217 min Scan# 196  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

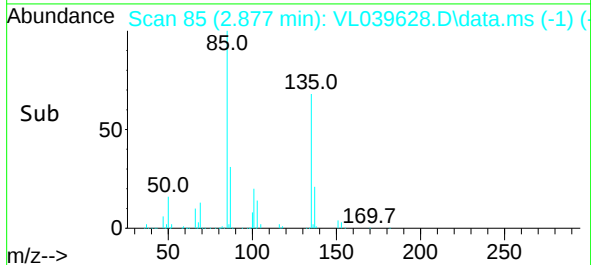
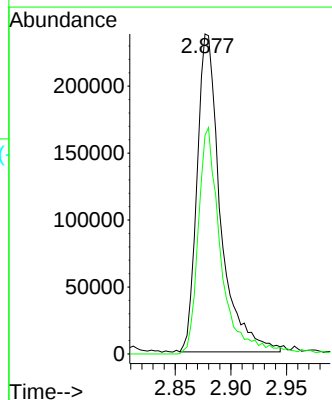
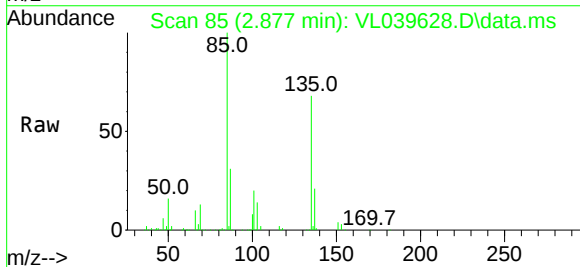
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

Tgt Ion: 64 Resp: 53158  
Ion Ratio Lower Upper  
64 100  
66 31.3 24.7 37.1



#8  
Dichlorotetrafluoroethane  
Concen: 2.123 ppbv  
RT: 2.877 min Scan# 85  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 85 Resp: 348388  
Ion Ratio Lower Upper  
85 100  
135 70.2 59.0 88.4





#9

Propene

Concen: 2.015 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.001 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

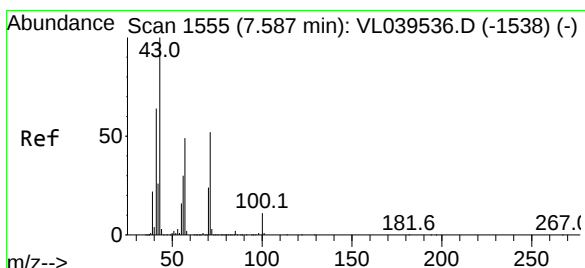
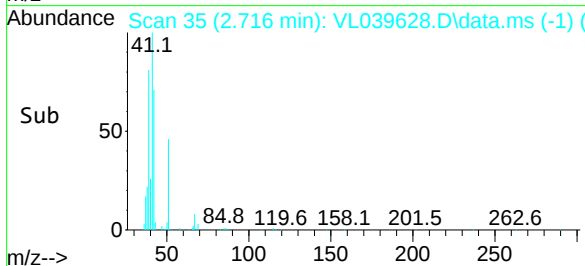
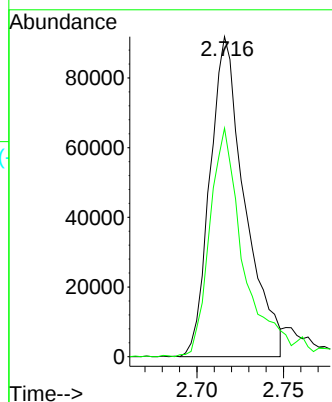
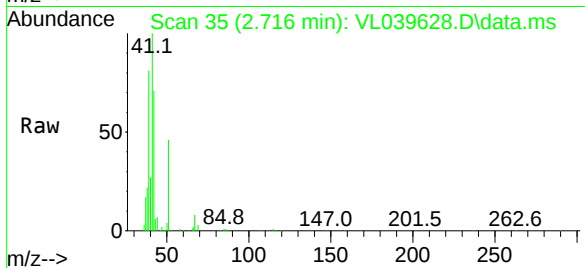
VSTDICC002

Tgt Ion: 41 Resp: 128881

Ion Ratio Lower Upper

41 100

42 74.1 55.2 82.8



#10

Heptane

Concen: 2.167 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.001 min

Lab File: VL039628.D

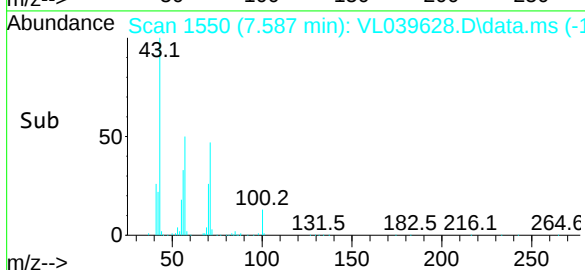
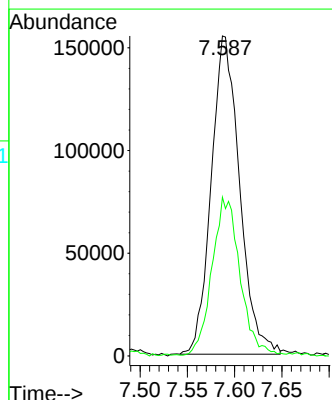
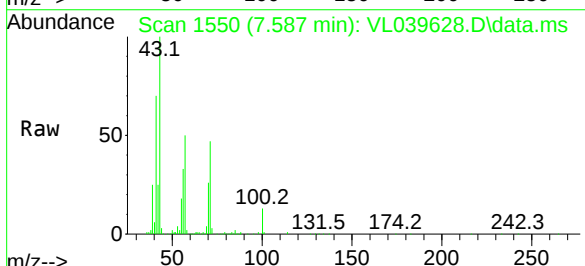
Acq: 19 Sep 2022 9:44

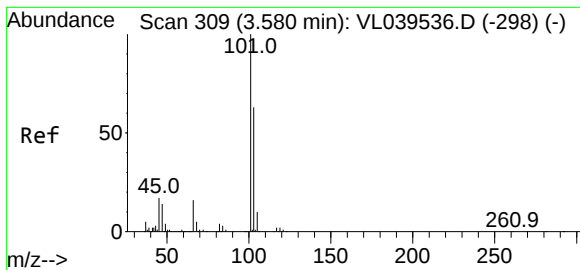
Tgt Ion: 43 Resp: 323467

Ion Ratio Lower Upper

43 100

57 50.1 40.5 60.7

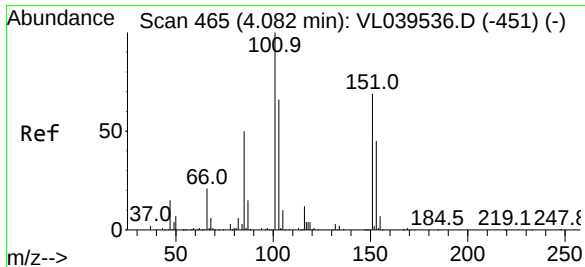
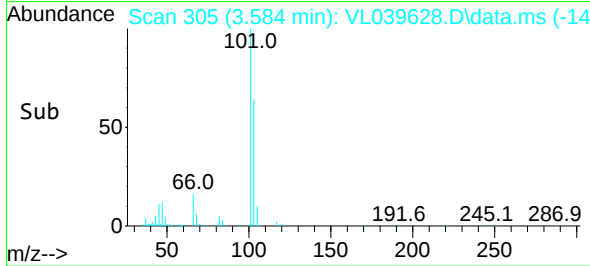
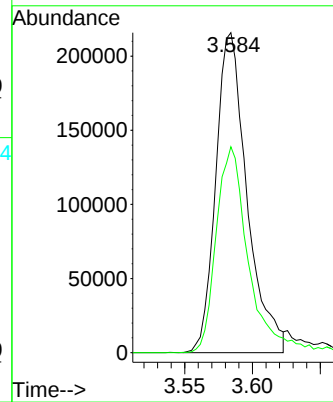
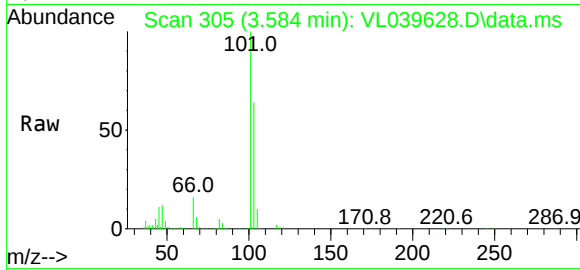




#11  
 Trichlorofluoromethane  
 Concen: 2.043 ppbv  
 RT: 3.584 min Scan# 309  
 Delta R.T. 0.004 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

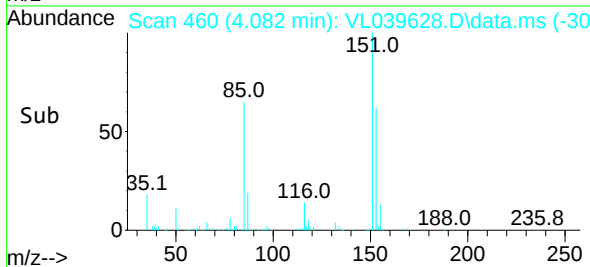
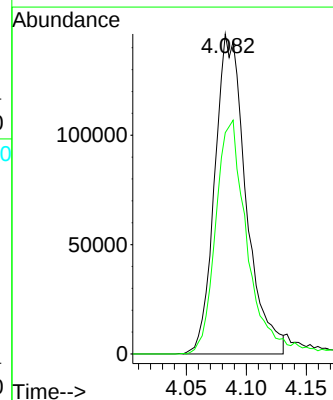
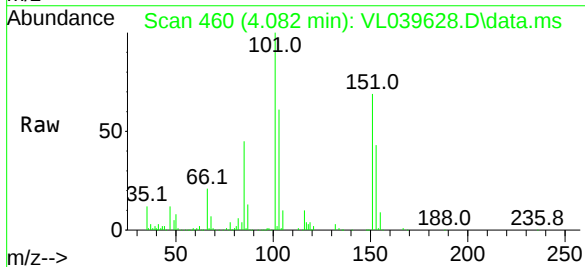
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

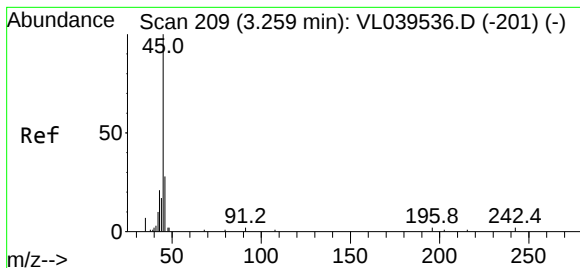
Tgt Ion:101 Resp: 346200  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 2.068 ppbv  
 RT: 4.082 min Scan# 460  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion:101 Resp: 264697  
 Ion Ratio Lower Upper  
 101 100  
 151 75.2 58.9 88.3





#13

Ethanol

Concen: 1.078 ppbv

RT: 3.256 min Scan# 209

Delta R.T. -0.003 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

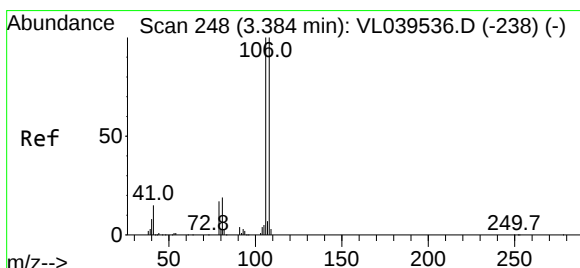
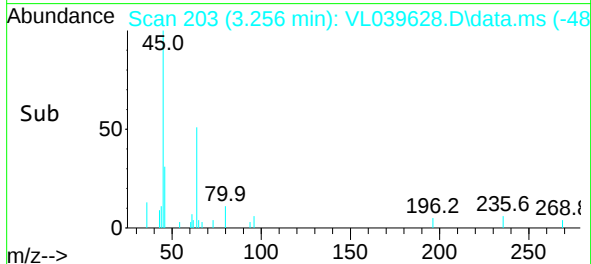
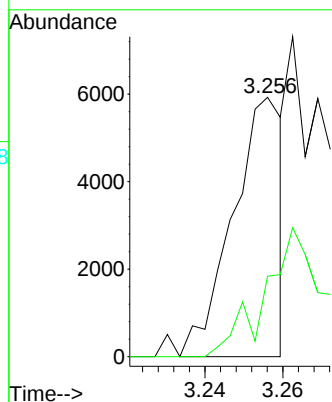
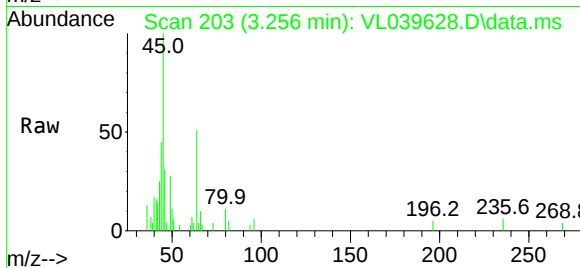
VSTDICC002

Tgt Ion: 45 Resp: 5252

Ion Ratio Lower Upper

45 100

46 109.8 22.8 91.2#



#14

Bromoethene

Concen: 2.063 ppbv

RT: 3.388 min Scan# 244

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

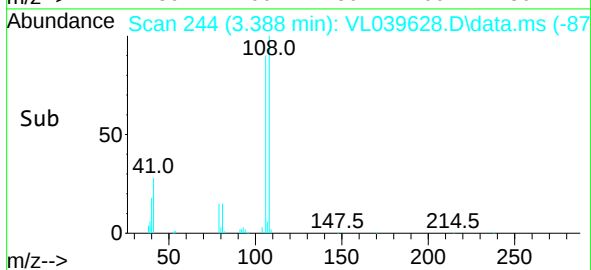
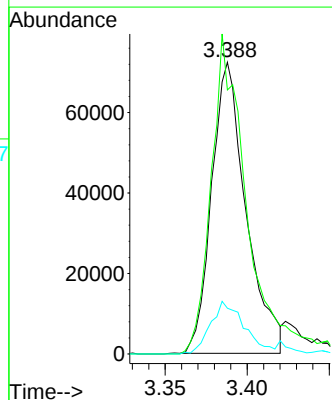
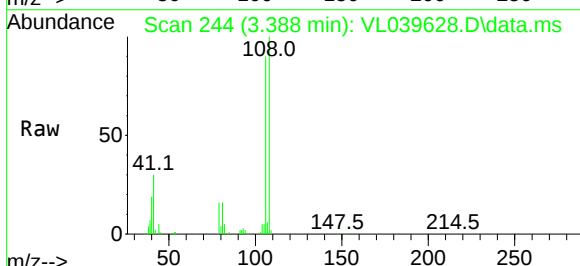
Tgt Ion: 108 Resp: 105400

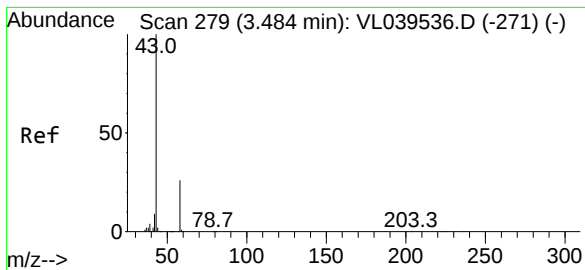
Ion Ratio Lower Upper

108 100

106 118.4 87.1 130.7

79 20.0 14.6 22.0

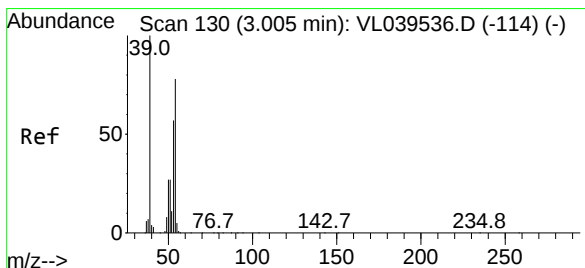
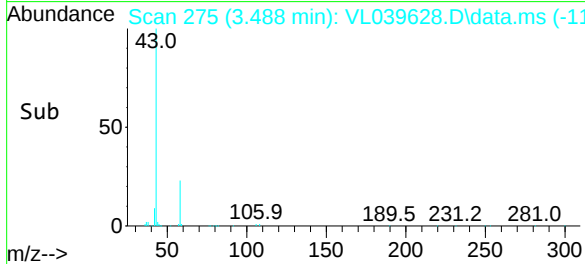
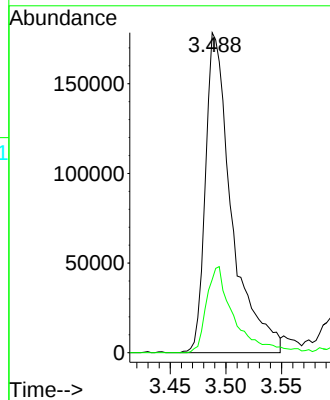
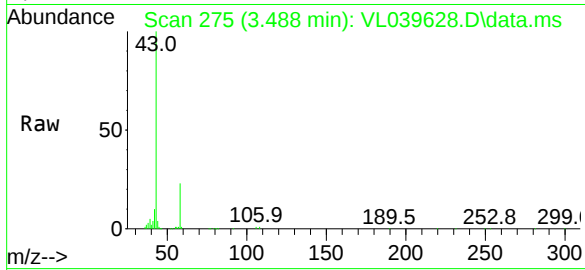




#15  
Acetone  
Concen: 2.226 ppbv  
RT: 3.488 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

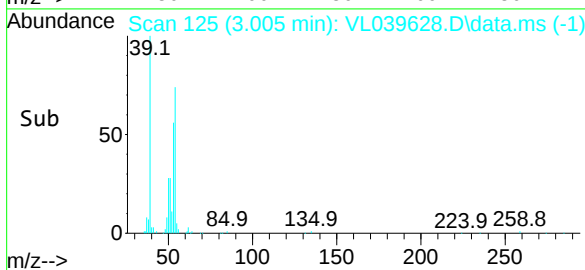
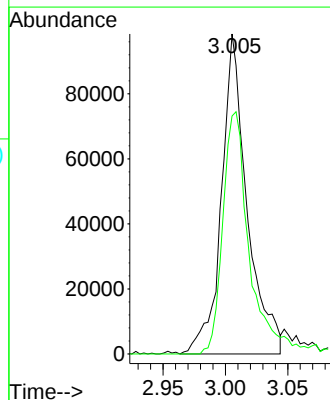
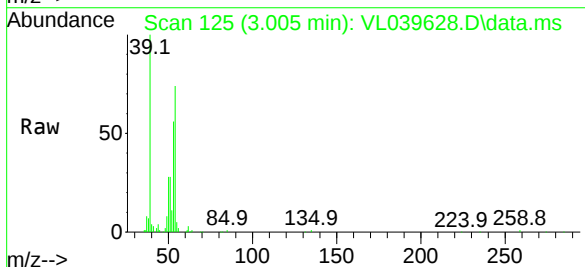
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

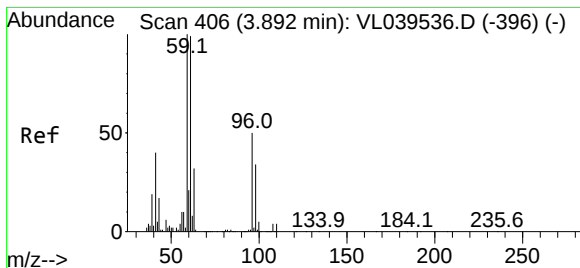
Tgt Ion: 43 Resp: 292301  
Ion Ratio Lower Upper  
43 100  
58 28.3 21.0 31.6



#16  
1,3-Butadiene  
Concen: 2.120 ppbv  
RT: 3.005 min Scan# 125  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 39 Resp: 141219  
Ion Ratio Lower Upper  
39 100  
54 81.2 63.7 95.5

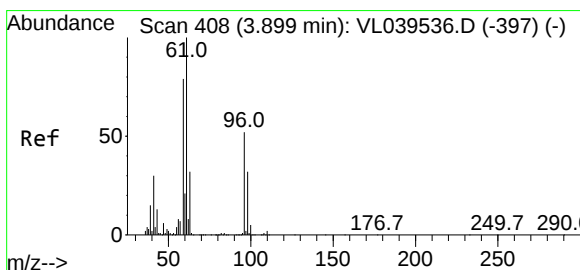
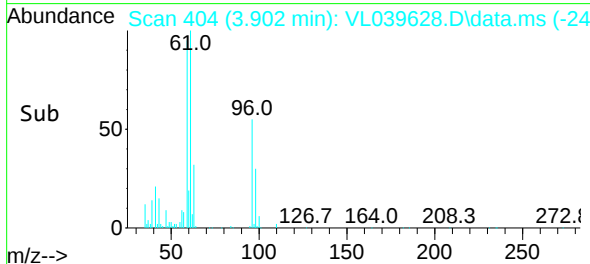
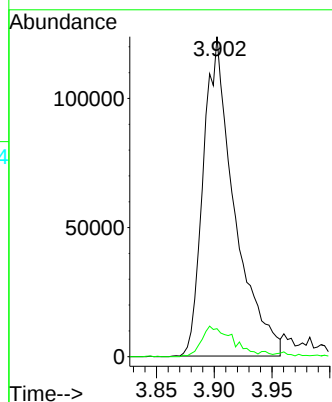
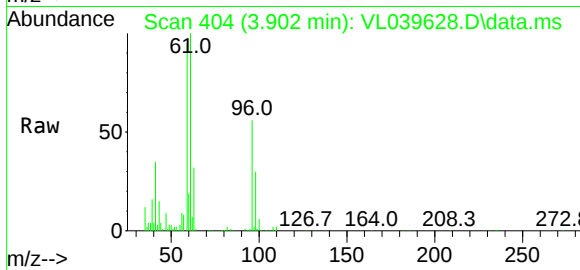




#17  
tert-Butyl alcohol  
Concen: 1.964 ppbv  
RT: 3.902 min Scan# 404  
Delta R.T. 0.010 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

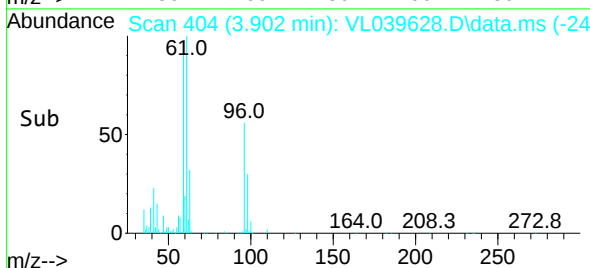
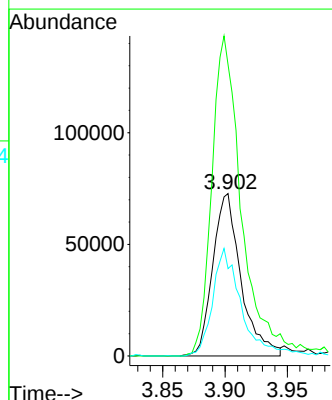
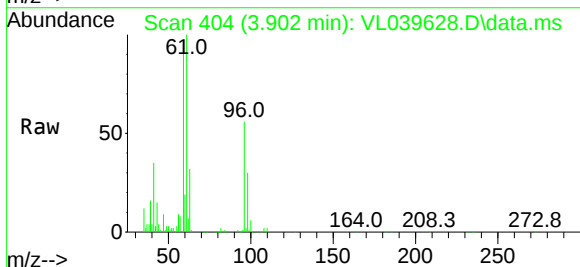
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 59 Resp: 231443  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.7 13.1



#18  
1,1-Dichloroethene  
Concen: 2.040 ppbv  
RT: 3.902 min Scan# 404  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 96 Resp: 114853  
Ion Ratio Lower Upper  
96 100  
61 179.3 152.2 228.4  
98 53.8 51.8 77.6

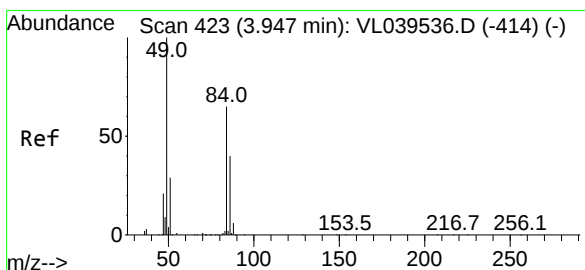
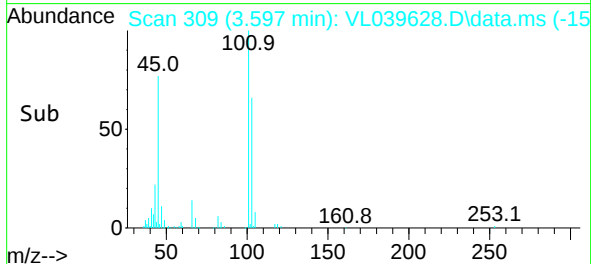
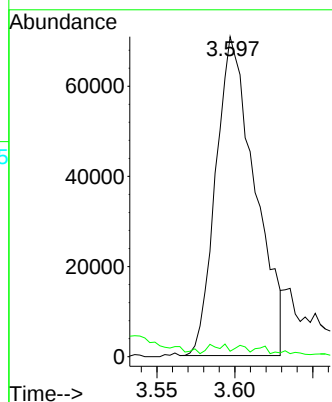
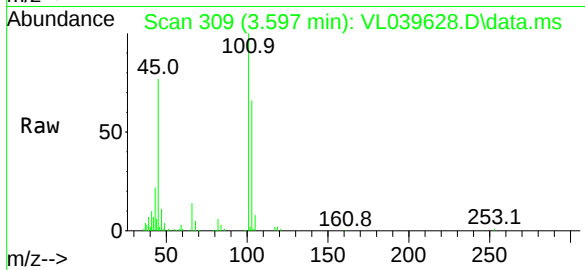




#19  
Isopropyl Alcohol  
Concen: 1.845 ppbv  
RT: 3.597 min Scan# 309  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

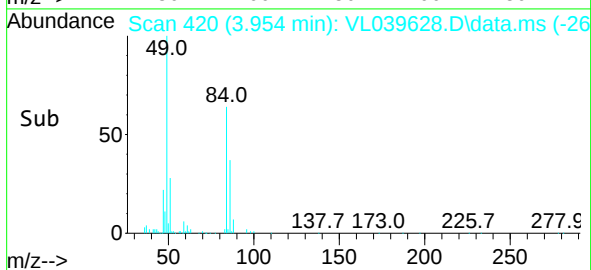
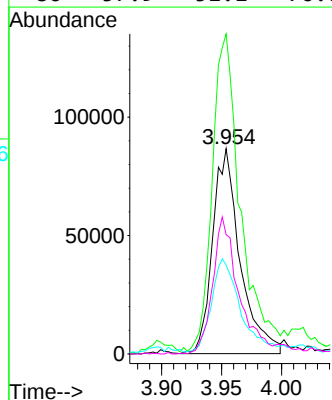
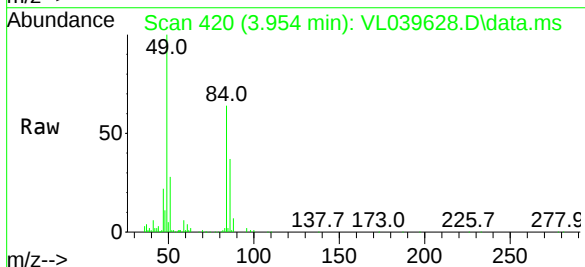
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC002

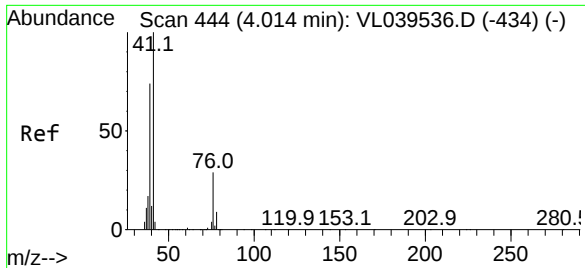
Tgt Ion: 45 Resp: 123526  
Ion Ratio Lower Upper  
45 100  
58 3.4 3.2 4.8



#20  
Methylene Chloride  
Concen: 2.268 ppbv  
RT: 3.954 min Scan# 420  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 84 Resp: 137734  
Ion Ratio Lower Upper  
84 100  
49 155.1 123.1 184.7  
51 41.1 34.4 51.6  
86 57.9 51.1 76.7

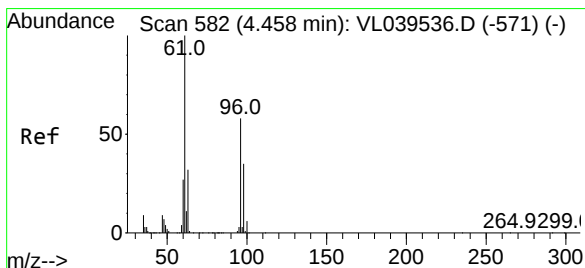
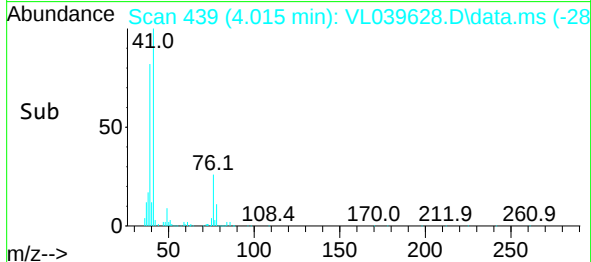
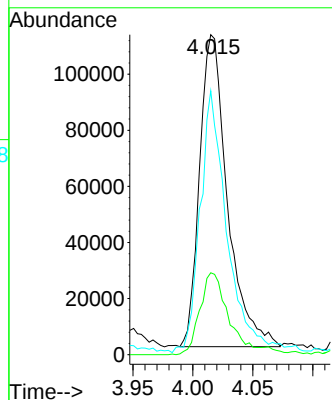
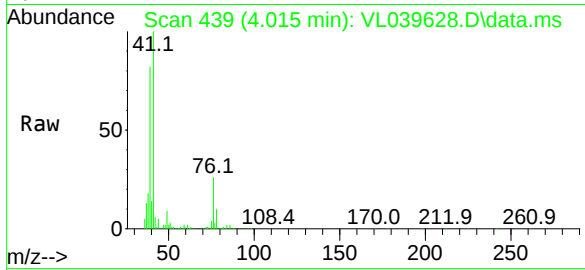




#21  
 Allyl Chloride  
 Concen: 2.009 ppbv  
 RT: 4.015 min Scan# 41  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

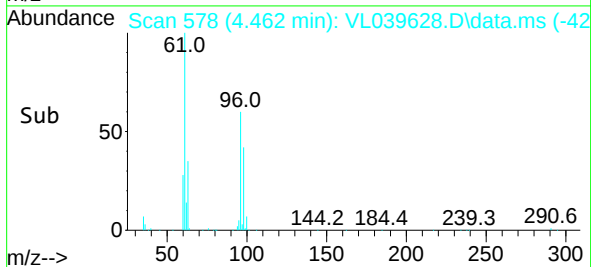
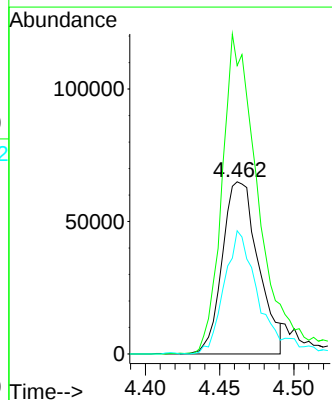
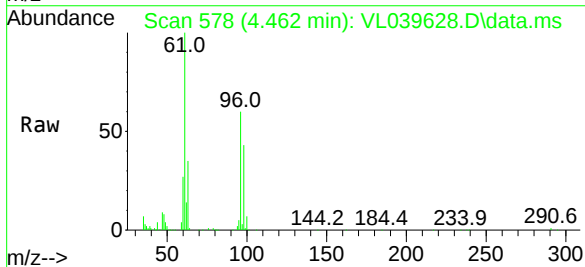
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

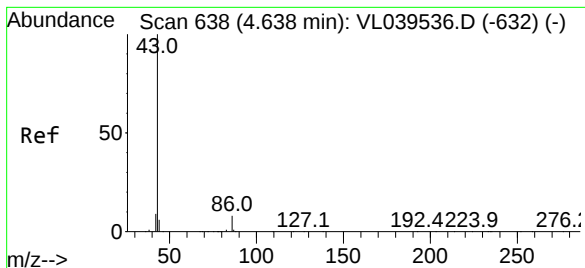
Tgt Ion: 41 Resp: 179692  
 Ion Ratio Lower Upper  
 41 100  
 76 28.5 24.4 36.6  
 39 80.5 63.5 95.3



#22  
 trans-1,2-Dichloroethene  
 Concen: 1.975 ppbv  
 RT: 4.462 min Scan# 578  
 Delta R.T. 0.004 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 96 Resp: 110006  
 Ion Ratio Lower Upper  
 96 100  
 61 167.0 130.6 195.8  
 98 71.6 53.4 80.0



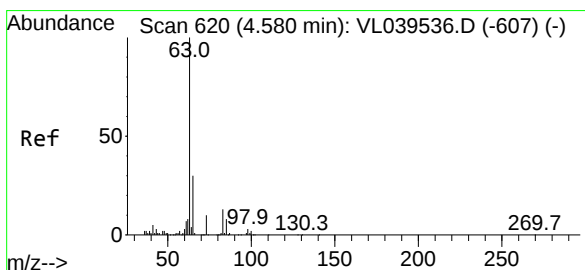
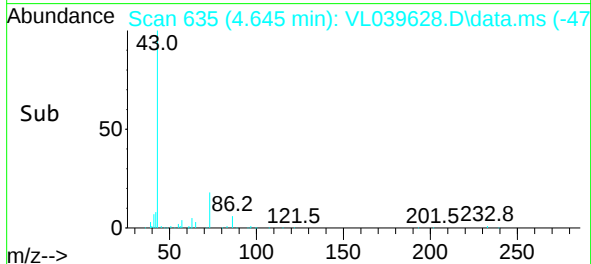
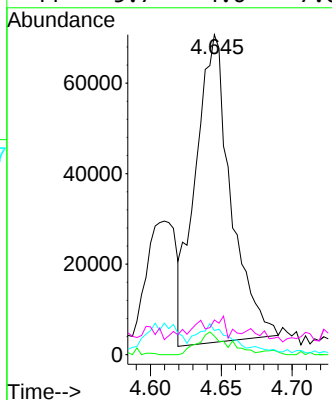
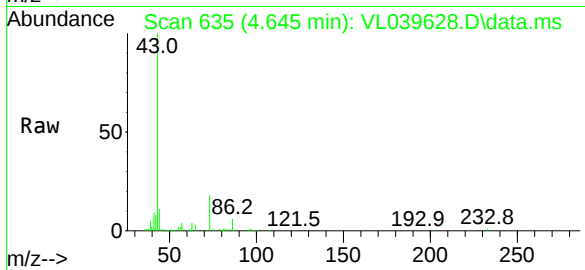


#23  
 Vinyl Acetate  
 Concen: 1.988 ppbv  
 RT: 4.645 min Scan# 615  
 Delta R.T. 0.007 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC002

Tgt Ion: 43 Resp: 118009

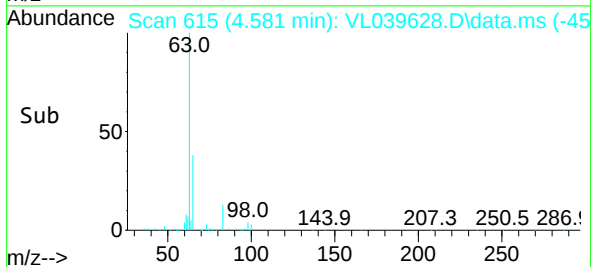
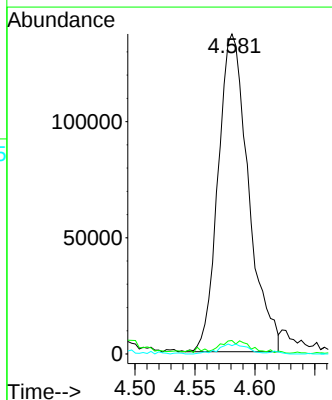
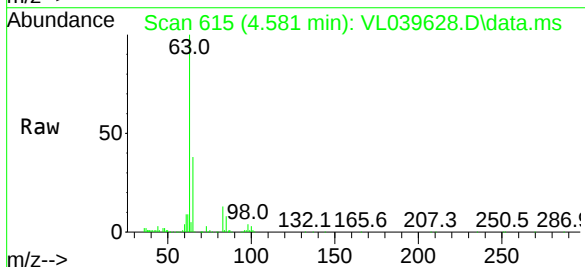
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 6.2   | 5.0   | 7.6   |
| 42  | 7.0   | 7.7   | 11.5  |
| 44  | 5.7   | 4.6   | 7.0   |

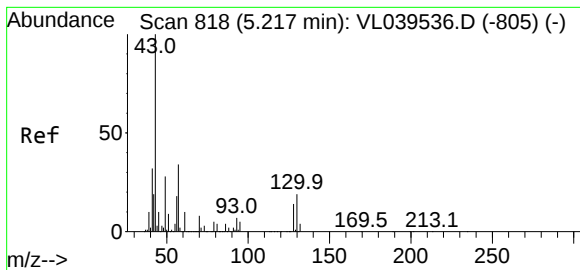


#24  
 1,1-Dichloroethane  
 Concen: 2.036 ppbv  
 RT: 4.581 min Scan# 615  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 63 Resp: 240664

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.3   | 1.8   | 5.3   |
| 100 | 2.3   | 1.5   | 4.4   |

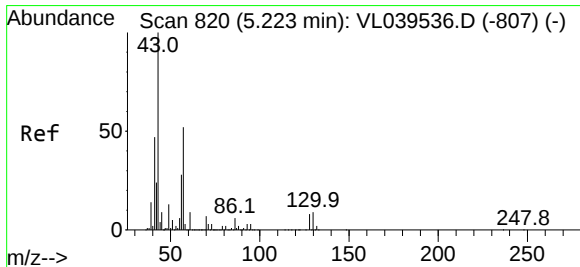
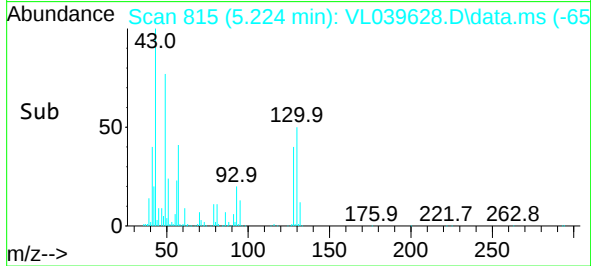
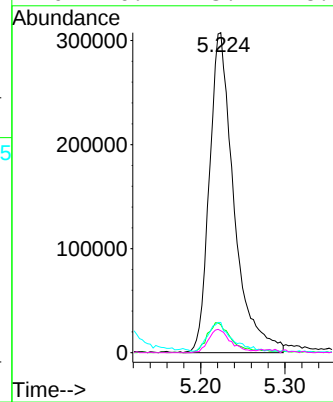
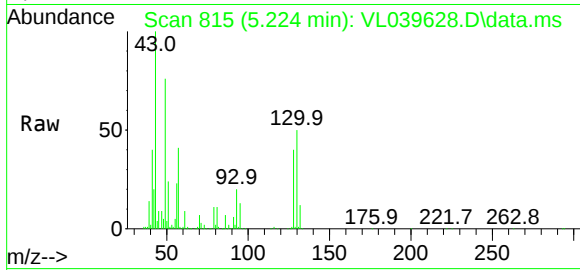




#25  
Ethyl Acetate  
Concen: 2.175 ppbv  
RT: 5.224 min Scan# 815  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

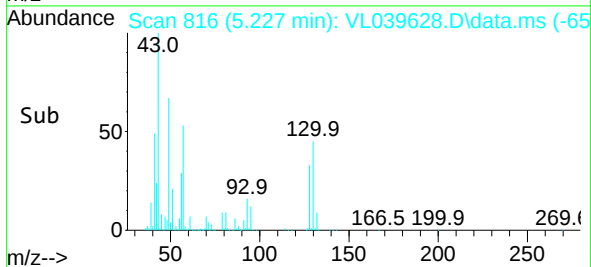
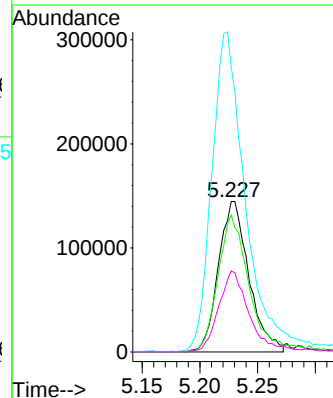
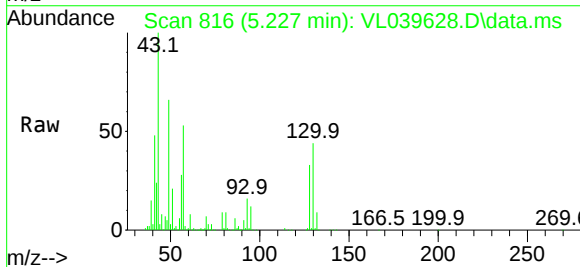
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

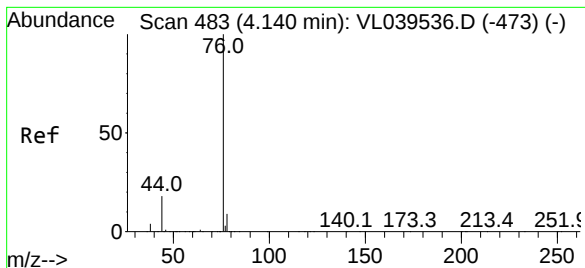
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 622703 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 45 9.7      | 8.2 12.4     |
| 61 10.1     | 8.3 12.5     |
| 70 6.7      | 5.9 8.9      |



#26  
Hexane  
Concen: 2.187 ppbv  
RT: 5.227 min Scan# 816  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 265764 |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 95.5     | 76.9 115.3   |
| 43 241.5    | 191.0 286.6  |
| 56 55.4     | 43.2 64.8    |

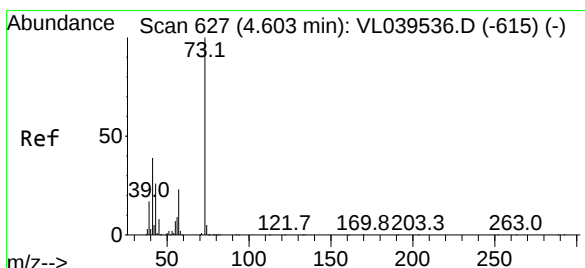
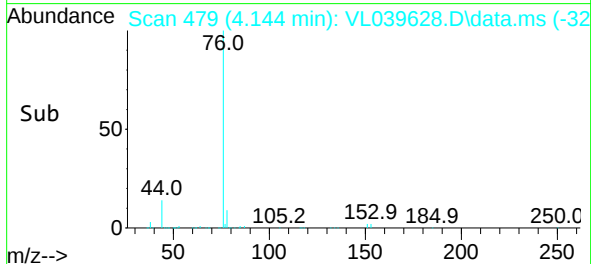
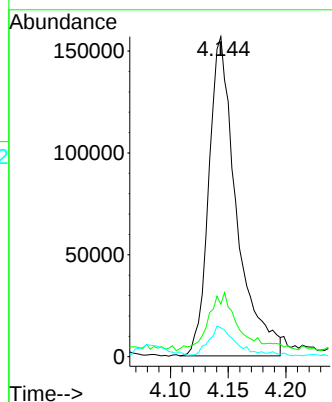
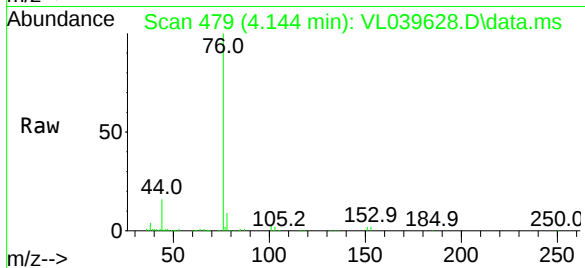




#27  
Carbon Disulfide  
Concen: 2.045 ppbv  
RT: 4.144 min Scan# 41  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

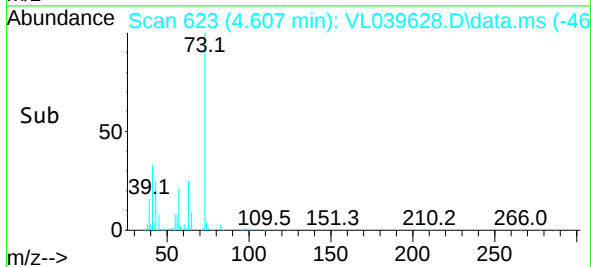
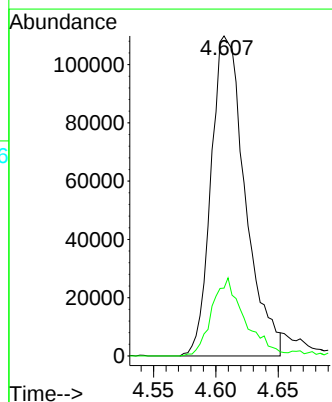
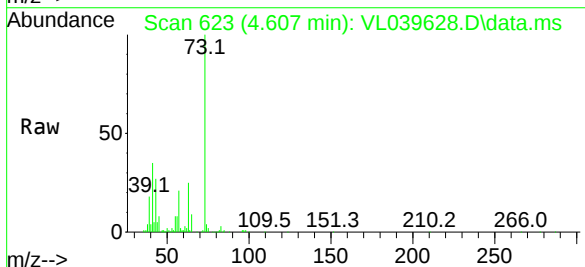
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

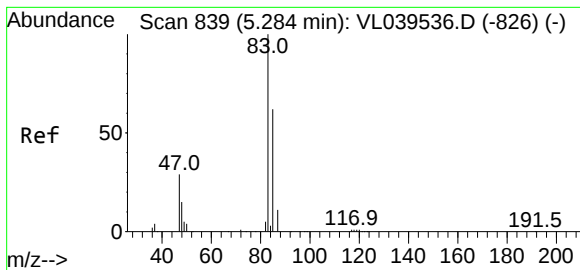
Tgt Ion: 76 Resp: 261151  
Ion Ratio Lower Upper  
76 100  
44 20.5 14.6 21.8  
78 10.8 7.8 11.6



#28  
Methyl tert-Butyl Ether  
Concen: 2.057 ppbv  
RT: 4.607 min Scan# 623  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 73 Resp: 210054  
Ion Ratio Lower Upper  
73 100  
57 25.1 19.8 29.8

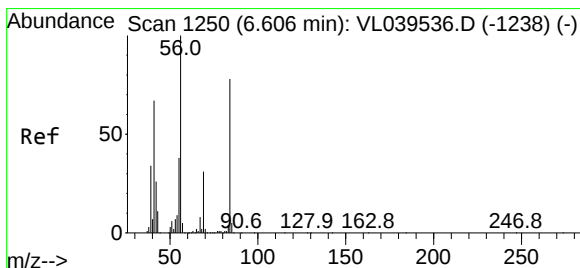
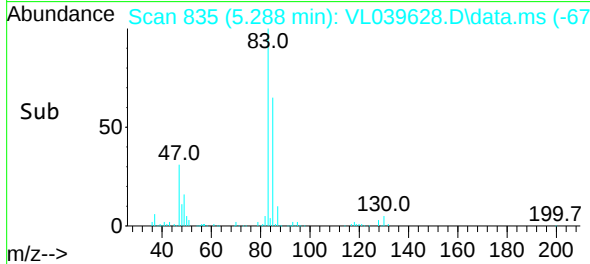
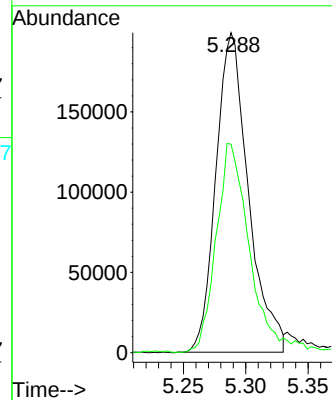
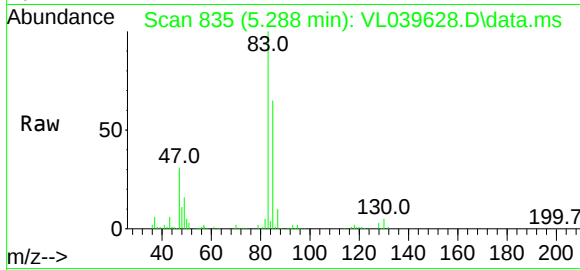




#29  
Chloroform  
Concen: 2.061 ppbv  
RT: 5.288 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

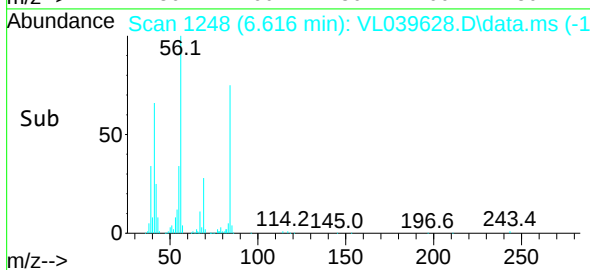
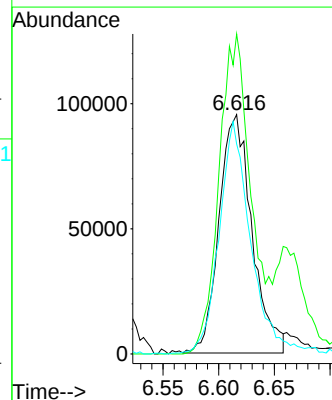
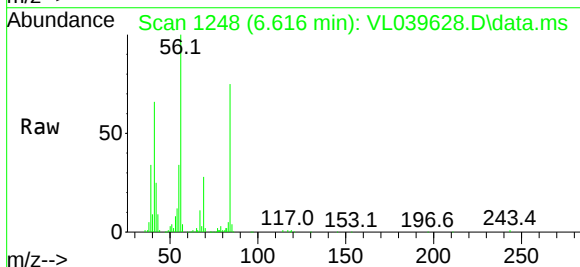
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

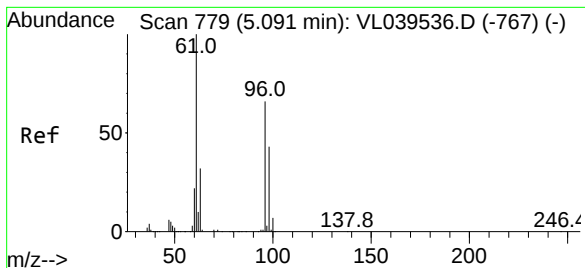
Tgt Ion: 83 Resp: 361641  
Ion Ratio Lower Upper  
83 100  
85 65.1 52.8 79.2



#30  
Cyclohexane  
Concen: 2.083 ppbv  
RT: 6.616 min Scan# 1248  
Delta R.T. 0.010 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 84 Resp: 196026  
Ion Ratio Lower Upper  
84 100  
56 132.0 107.7 161.5  
41 94.5 67.7 101.5

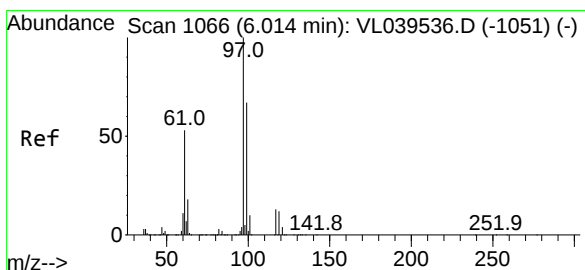
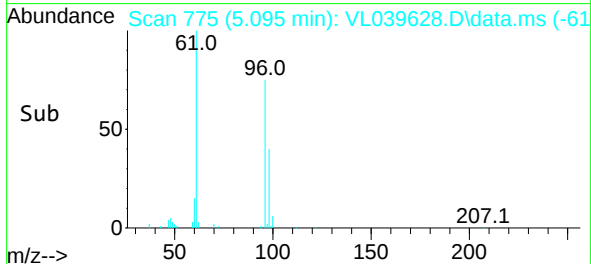
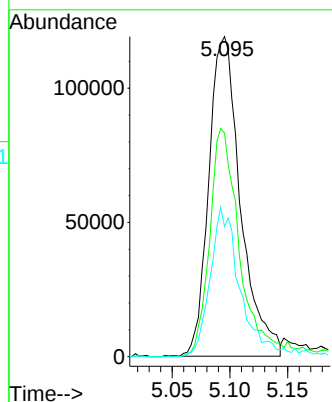
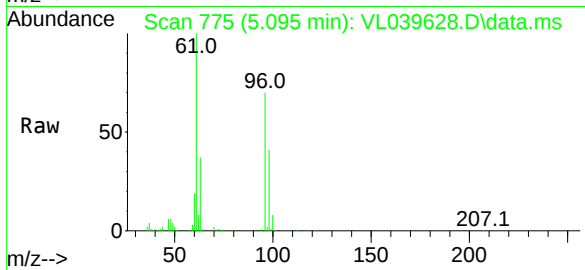




#31  
 cis-1,2-Dichloroethene  
 Concen: 2.072 ppbv  
 RT: 5.095 min Scan# 71  
 Delta R.T. 0.004 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

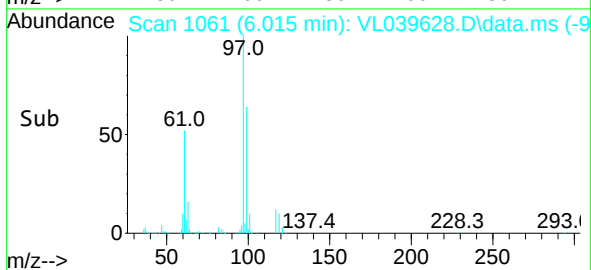
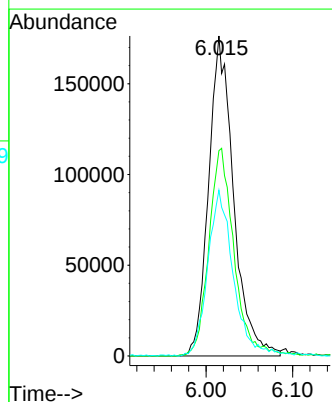
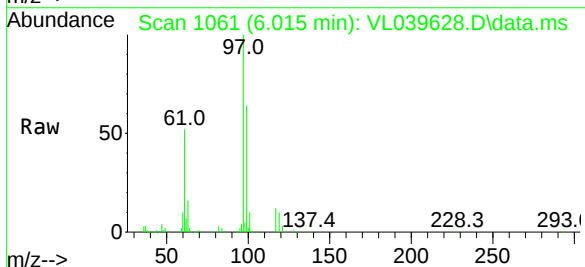
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

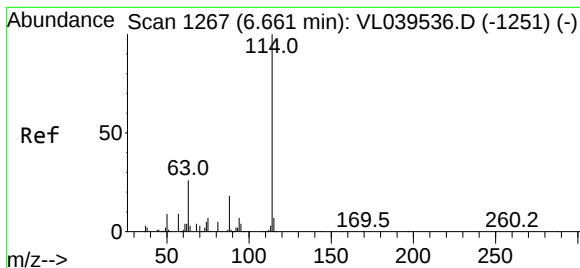
Tgt Ion: 61 Resp: 227699  
 Ion Ratio Lower Upper  
 61 100  
 96 70.0 54.1 81.1  
 98 40.7 34.6 52.0



#32  
 1,1,1-Trichloroethane  
 Concen: 2.219 ppbv  
 RT: 6.015 min Scan# 1061  
 Delta R.T. 0.001 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 97 Resp: 352470  
 Ion Ratio Lower Upper  
 97 100  
 99 66.2 52.3 78.5  
 61 53.6 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

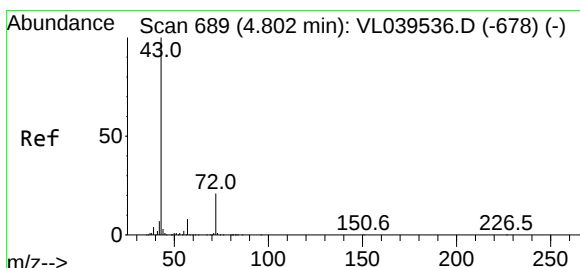
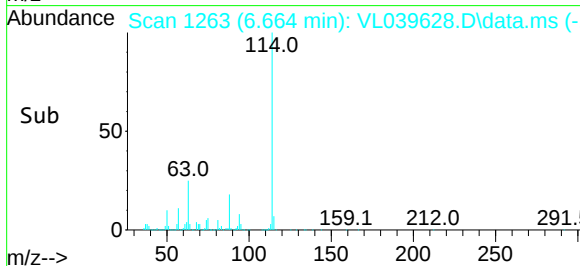
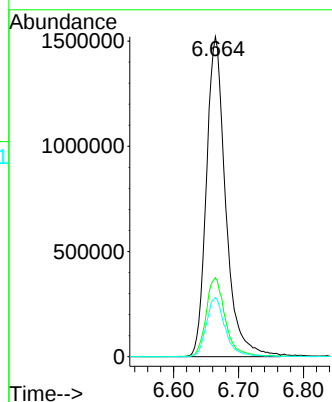
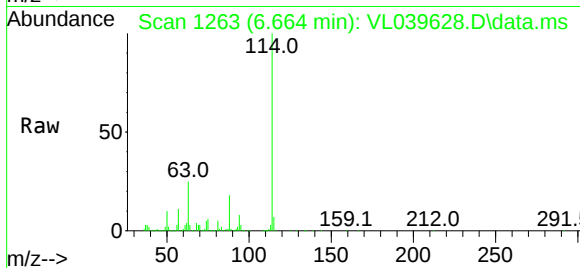
Tgt Ion:114 Resp: 3136453

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.4

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 2.037 ppbv

RT: 4.806 min Scan# 685

Delta R.T. 0.004 min

Lab File: VL039628.D

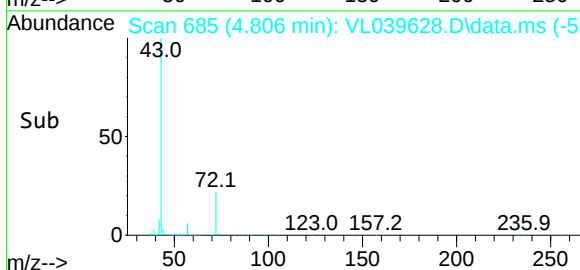
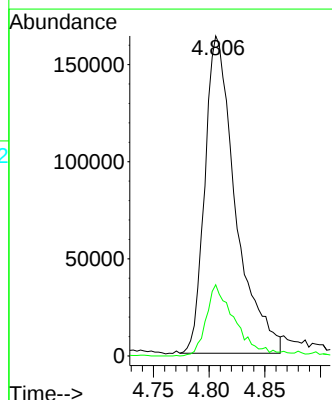
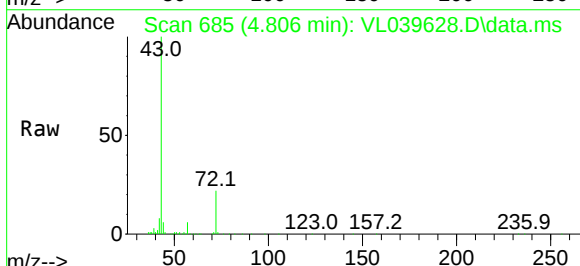
Acq: 19 Sep 2022 9:44

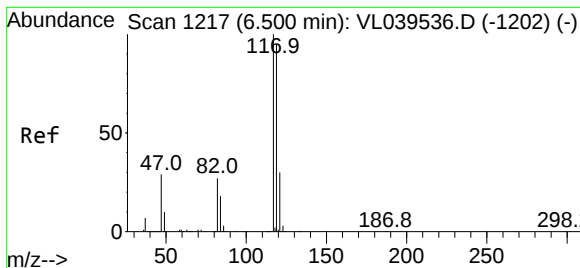
Tgt Ion: 43 Resp: 313824

Ion Ratio Lower Upper

43 100

72 22.3 17.9 26.9





#35

Carbon Tetrachloride

Concen: 2.169 ppbv

RT: 6.504 min Scan# 117

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

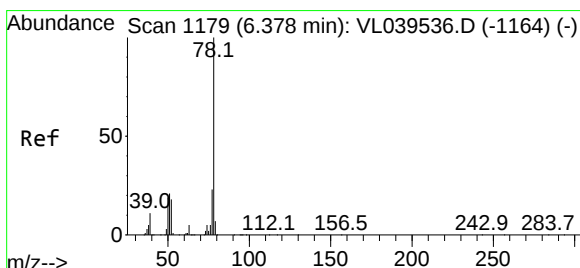
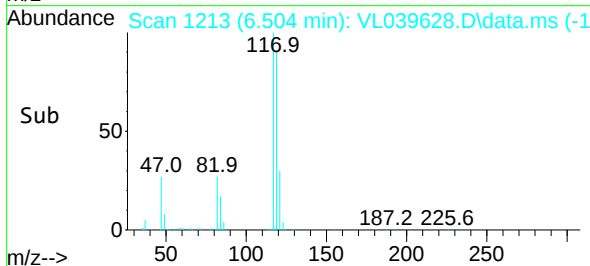
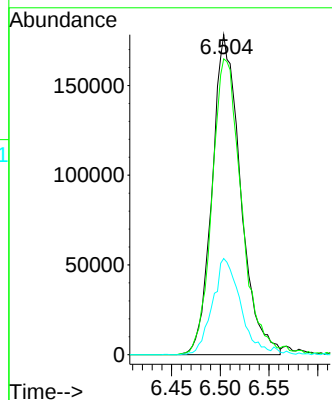
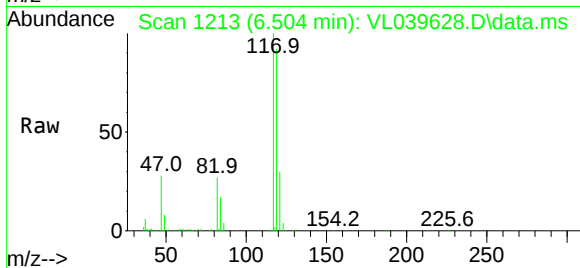
Tgt Ion:117 Resp: 361107

Ion Ratio Lower Upper

117 100

119 92.2 75.4 113.2

121 30.1 24.2 36.2



#36

Benzene

Concen: 2.134 ppbv

RT: 6.381 min Scan# 1175

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

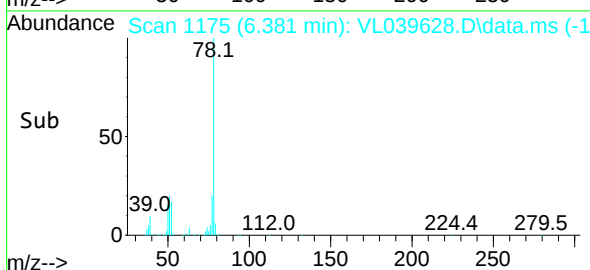
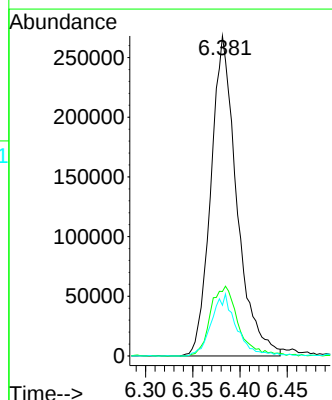
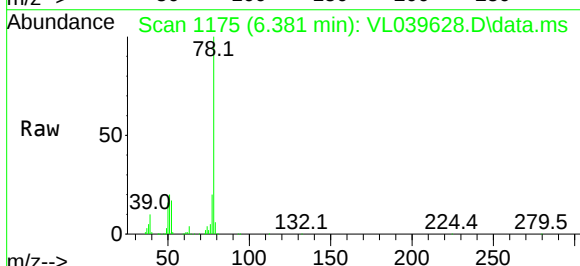
Tgt Ion: 78 Resp: 511771

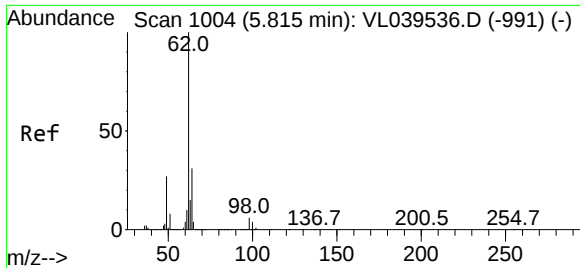
Ion Ratio Lower Upper

78 100

77 20.1 20.3 30.5#

50 15.8 15.5 23.3

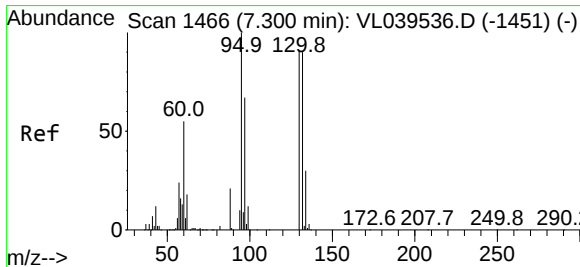
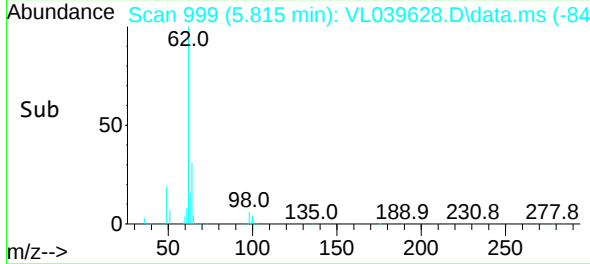
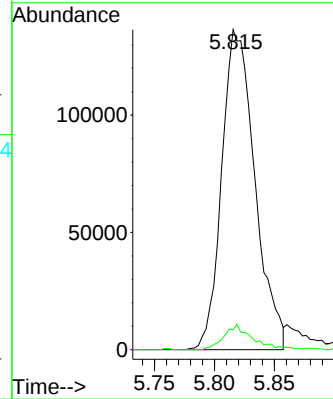
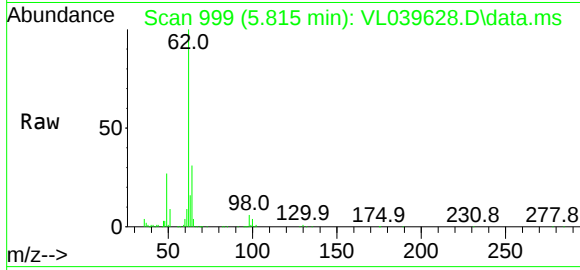




#37  
1,2-Dichloroethane  
Concen: 2.008 ppbv  
RT: 5.815 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

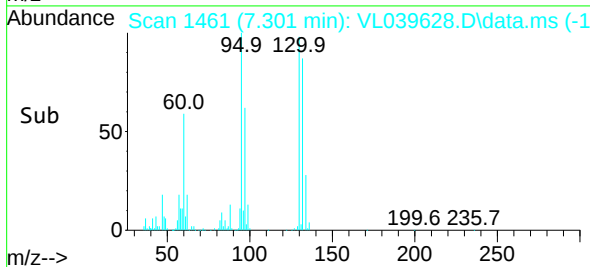
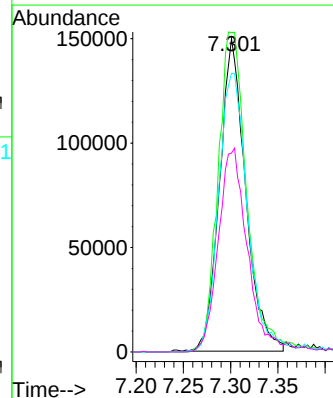
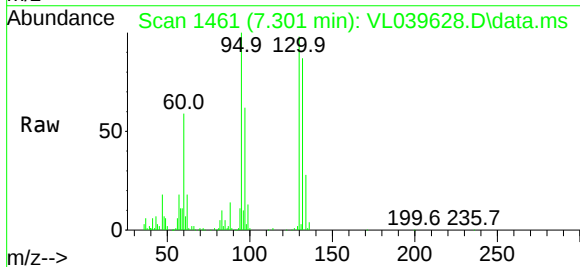
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

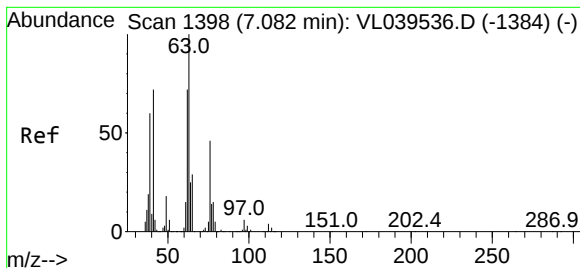
Tgt Ion: 62 Resp: 262039  
Ion Ratio Lower Upper  
62 100  
98 7.0 5.1 7.7



#38  
Trichloroethene  
Concen: 2.214 ppbv  
RT: 7.301 min Scan# 1461  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion:130 Resp: 286901  
Ion Ratio Lower Upper  
130 100  
95 102.2 87.3 130.9  
132 89.2 76.7 115.1  
97 63.7 56.5 84.7

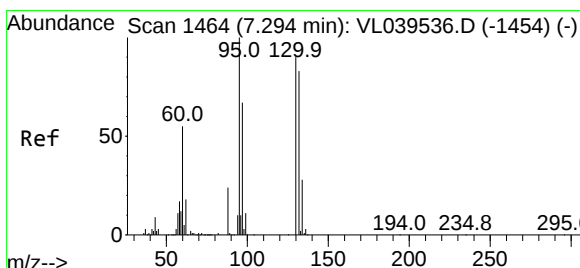
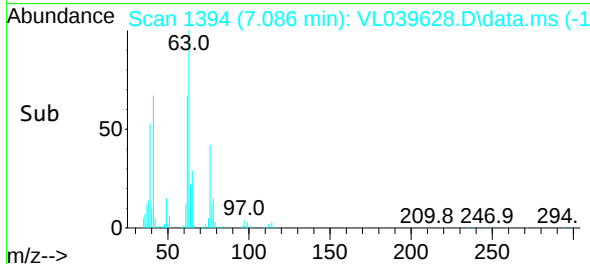
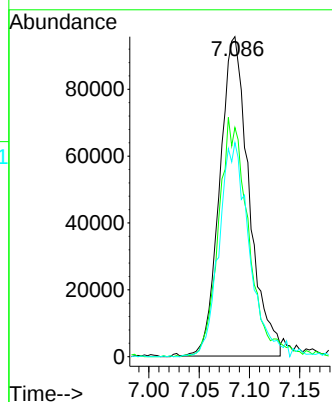
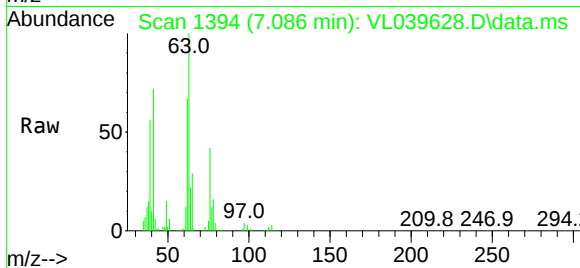




#39  
1,2-Dichloropropane  
Concen: 2.095 ppbv  
RT: 7.086 min Scan# 11  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

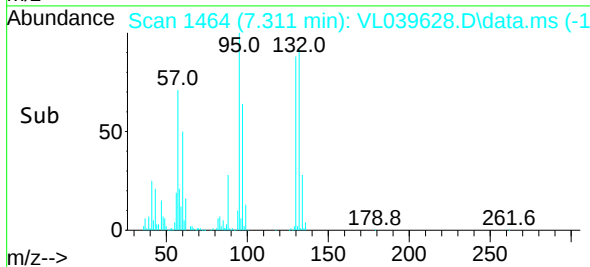
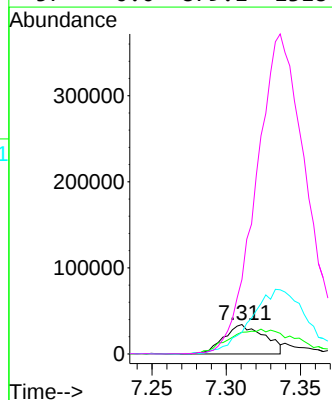
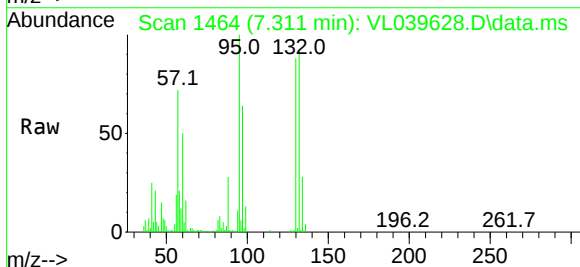
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

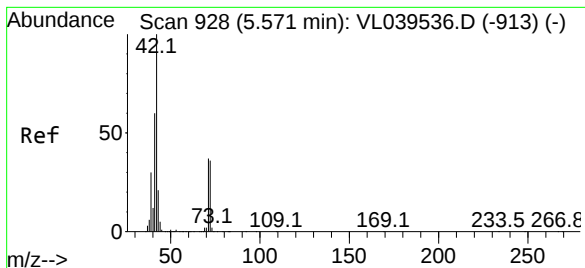
Tgt Ion: 63 Resp: 193996  
Ion Ratio Lower Upper  
63 100  
41 71.9 59.6 89.4  
62 67.2 51.4 77.0



#40  
1,4-Dioxane  
Concen: 1.719 ppbv  
RT: 7.311 min Scan# 1464  
Delta R.T. 0.017 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 88 Resp: 64984  
Ion Ratio Lower Upper  
88 100  
58 0.0 100.2 150.4#  
43 0.0 205.8 308.6#  
57 0.0 879.1 1318.7#

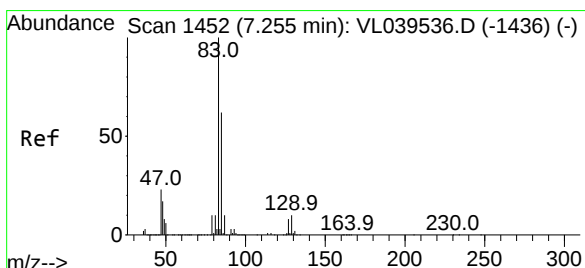
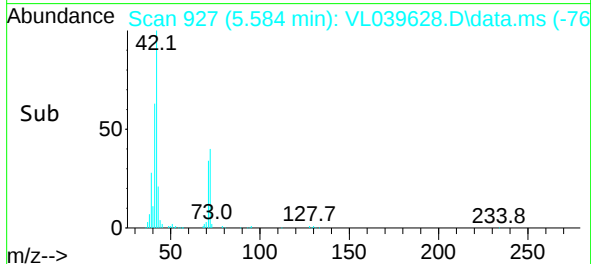
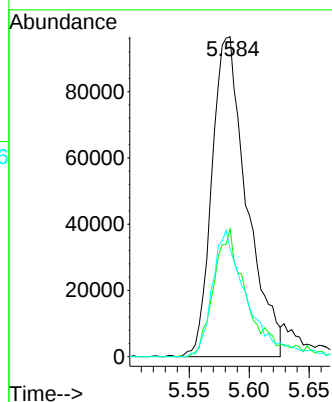
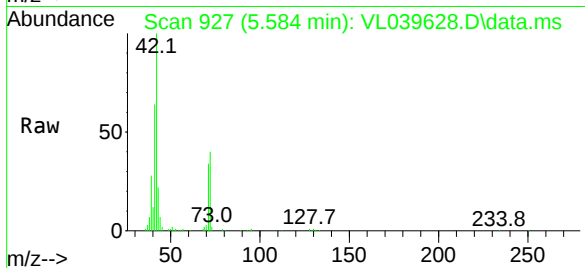




#41  
Tetrahydrofuran  
Concen: 2.063 ppbv  
RT: 5.584 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

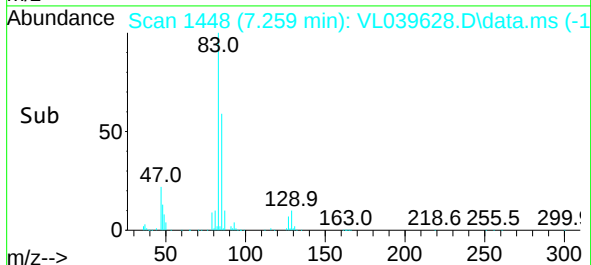
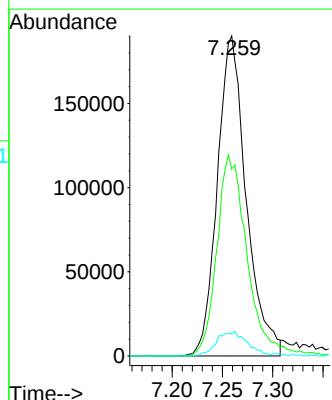
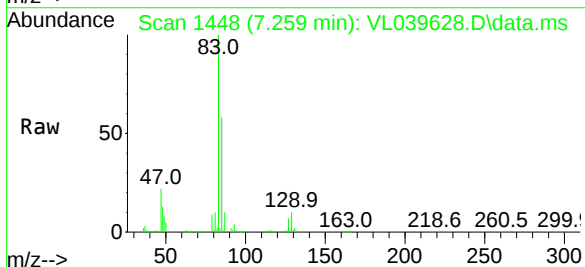
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

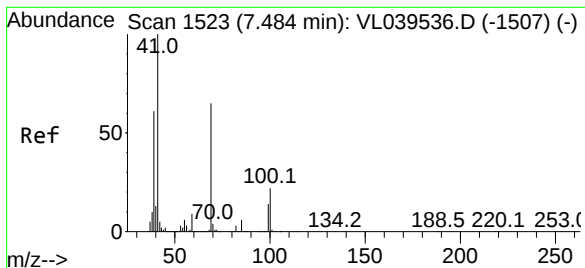
Tgt Ion: 42 Resp: 194988  
Ion Ratio Lower Upper  
42 100  
72 40.3 31.8 47.8  
71 39.9 31.8 47.8



#42  
Bromodichloromethane  
Concen: 2.093 ppbv  
RT: 7.259 min Scan# 1448  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 83 Resp: 379980  
Ion Ratio Lower Upper  
83 100  
85 58.5 50.7 76.1  
127 6.9 6.6 9.8





#43

Methyl Methacrylate

Concen: 2.152 ppbv

RT: 7.491 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002

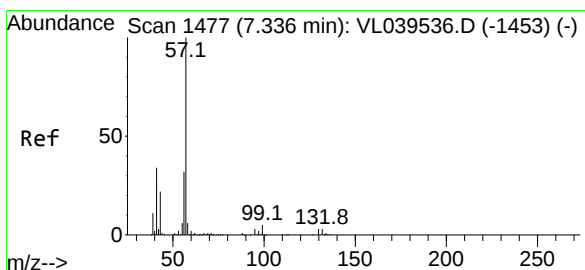
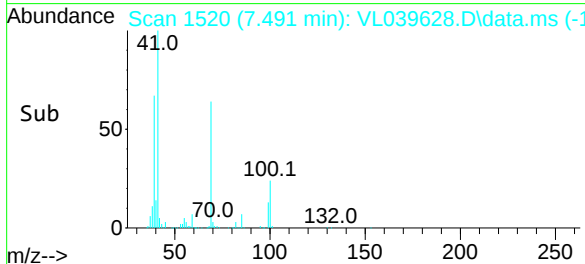
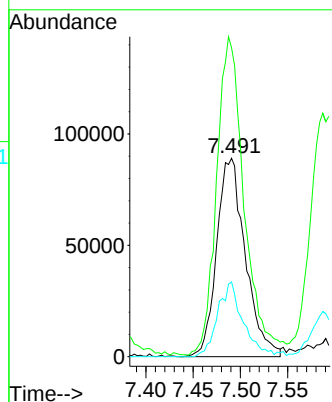
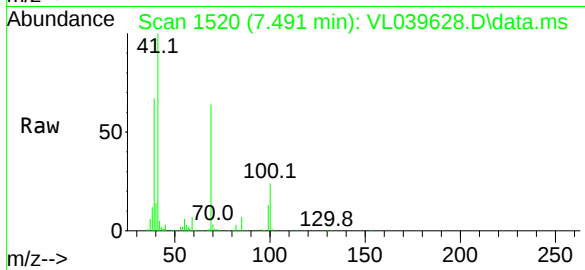
Tgt Ion: 69 Resp: 188094

Ion Ratio Lower Upper

69 100

41 153.3 120.8 181.2

100 33.8 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 2.147 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. 0.001 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

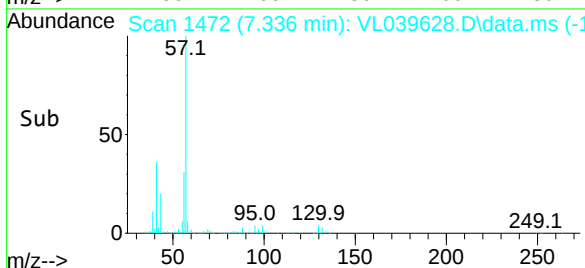
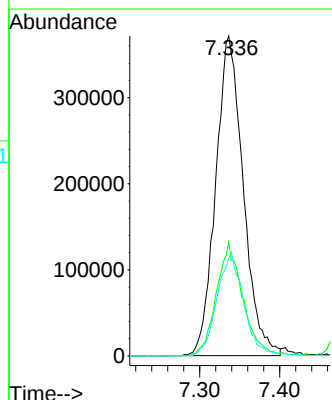
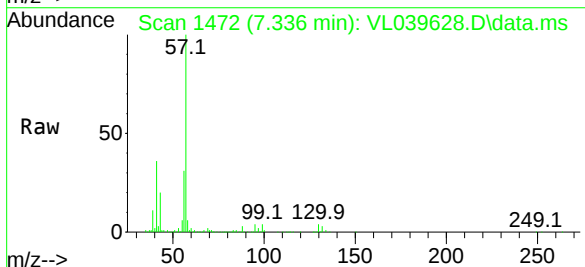
Tgt Ion: 57 Resp: 887328

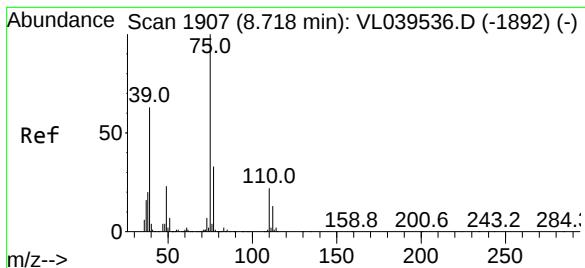
Ion Ratio Lower Upper

57 100

41 34.5 27.4 41.2

56 31.7 24.5 36.7

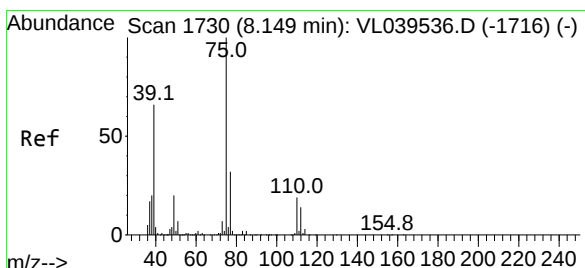
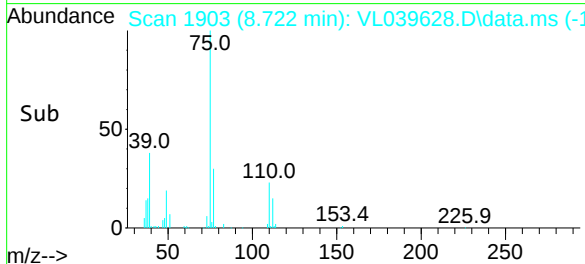
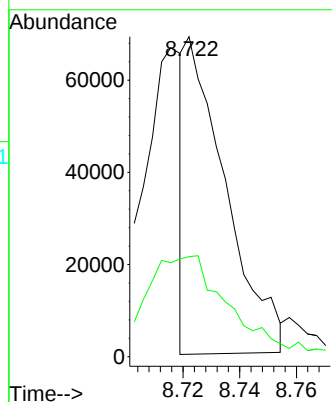
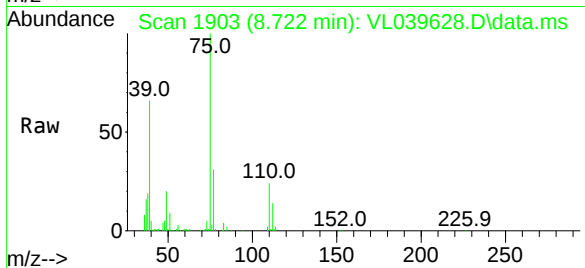




#45  
 t-1,3-Dichloropropene  
 Concen: 0.922 ppbv  
 RT: 8.722 min Scan# 1907  
 Delta R.T. 0.004 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

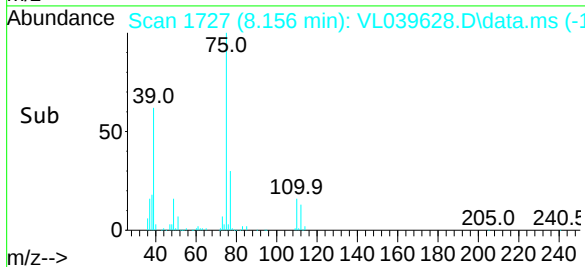
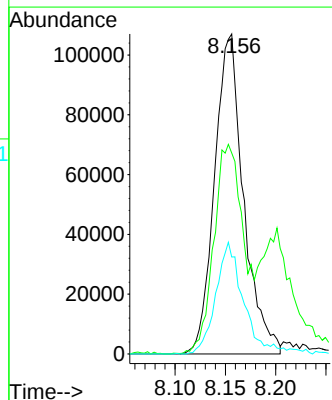
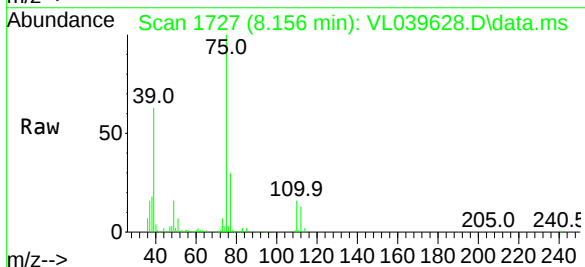
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

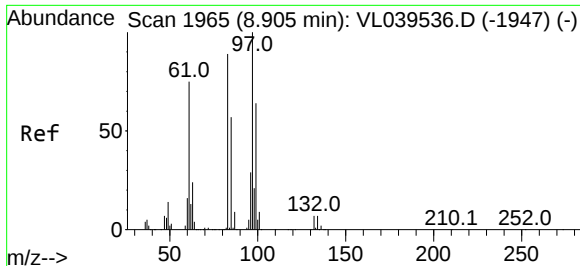
Tgt Ion: 75 Resp: 68098  
 Ion Ratio Lower Upper  
 75 100  
 77 31.2 24.6 36.8



#46  
 cis-1,3-Dichloropropene  
 Concen: 2.040 ppbv  
 RT: 8.156 min Scan# 1727  
 Delta R.T. 0.007 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 75 Resp: 214541  
 Ion Ratio Lower Upper  
 75 100  
 39 62.6 55.0 82.4  
 77 30.3 25.7 38.5



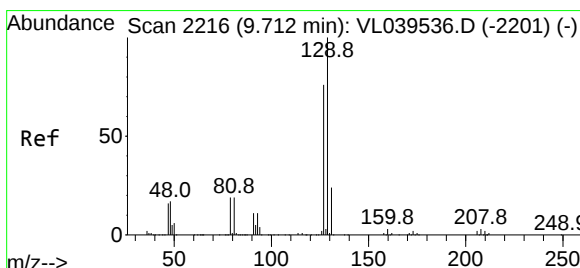
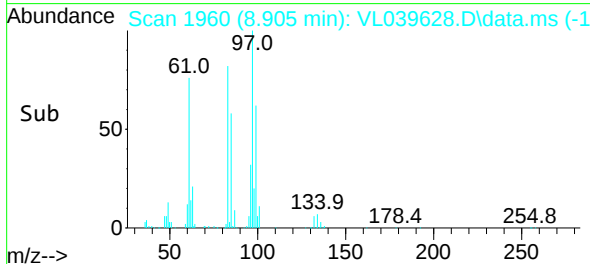
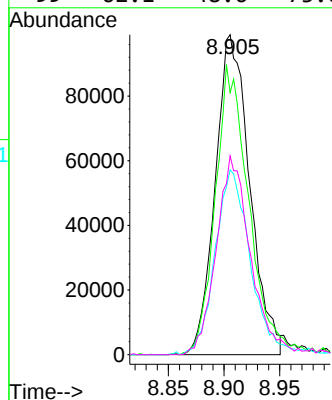
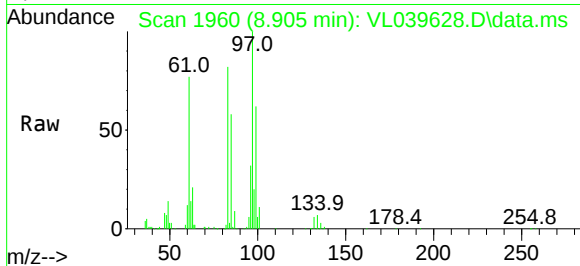


#47  
1,1,2-Trichloroethane  
Concen: 2.100 ppbv  
RT: 8.905 min Scan# 1965  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

Tgt Ion: 97 Resp: 212533

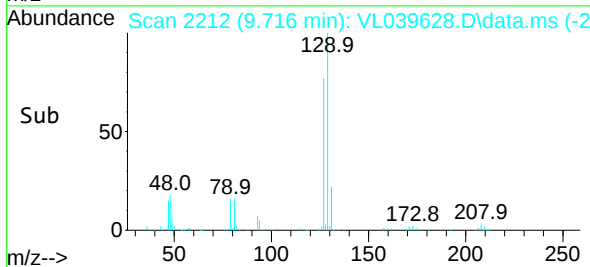
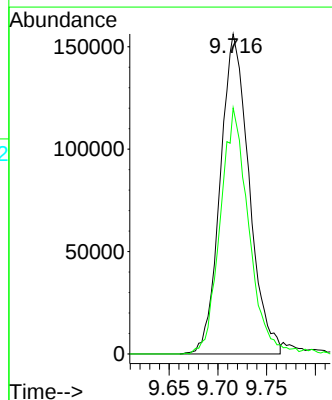
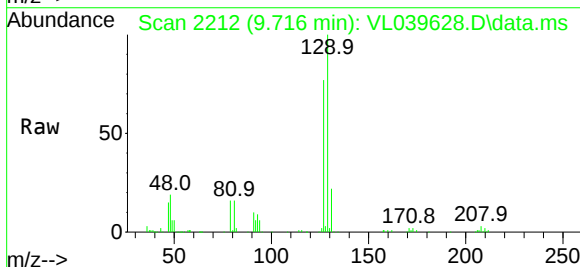
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 81.9  | 67.4  | 101.0 |
| 85  | 57.8  | 45.1  | 67.7  |
| 99  | 62.1  | 48.6  | 73.0  |

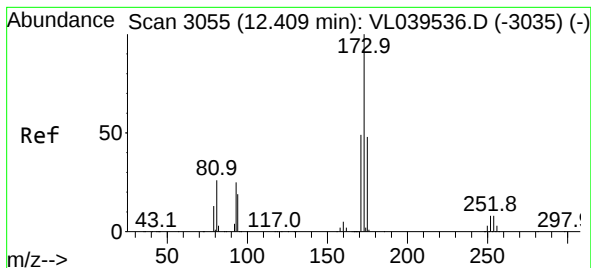


#48  
Dibromochloromethane  
Concen: 2.110 ppbv  
RT: 9.716 min Scan# 2212  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 129 Resp: 321508

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.6  | 39.3  | 117.9 |





#49

Bromoform

Concen: 1.992 ppbv

RT: 12.410 min Scan# 3055

Delta R.T. 0.001 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

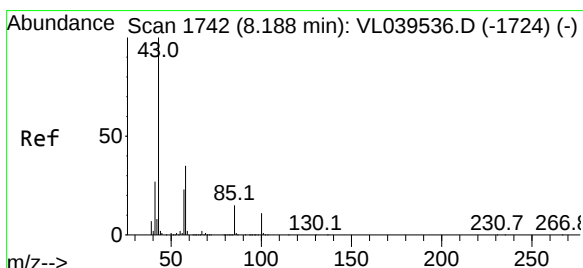
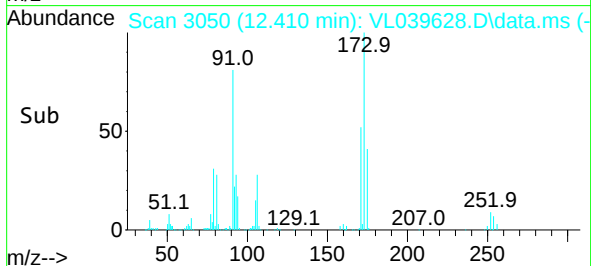
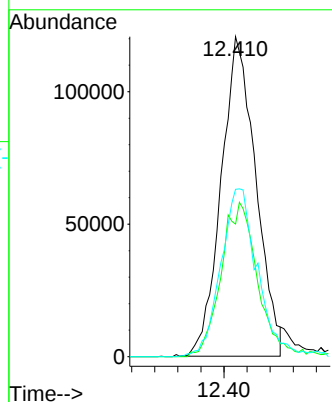
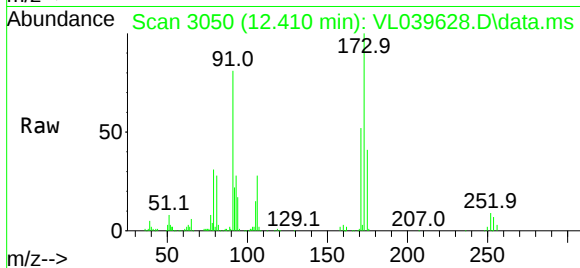
Tgt Ion:173 Resp: 251156

Ion Ratio Lower Upper

173 100

175 51.5 40.3 60.5

171 56.0 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 2.114 ppbv

RT: 8.198 min Scan# 1740

Delta R.T. 0.010 min

Lab File: VL039628.D

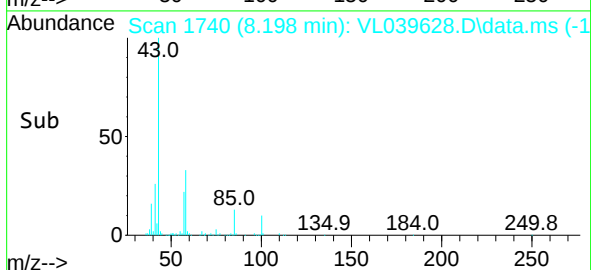
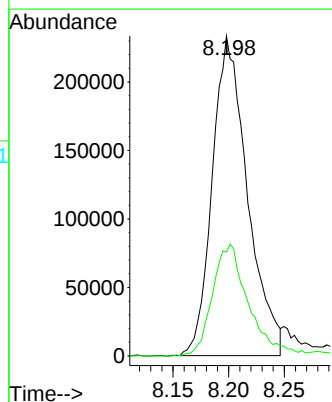
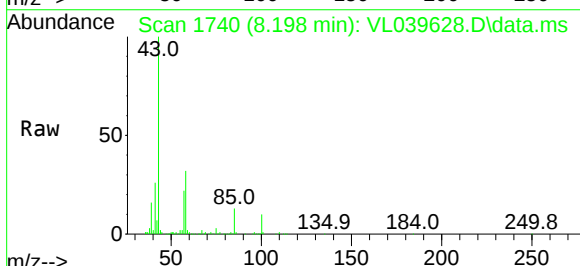
Acq: 19 Sep 2022 9:44

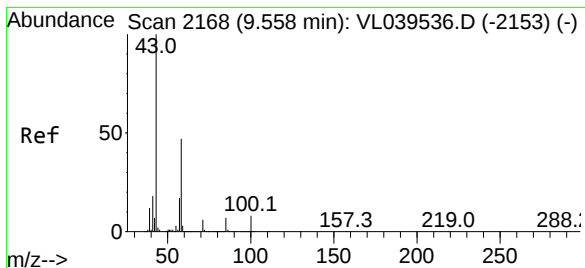
Tgt Ion: 43 Resp: 511676

Ion Ratio Lower Upper

43 100

58 35.9 28.8 43.2

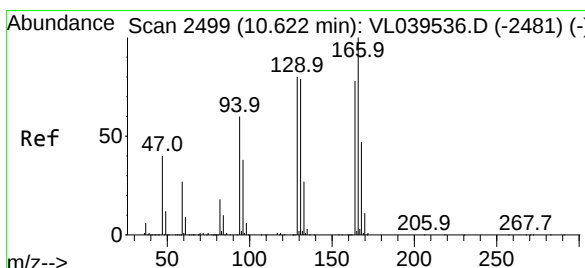
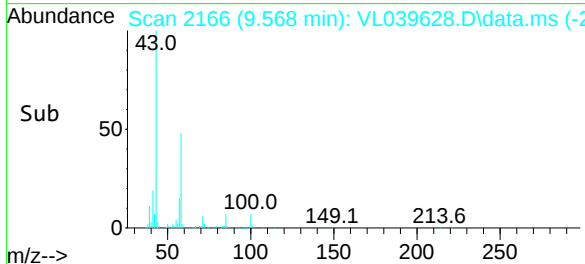
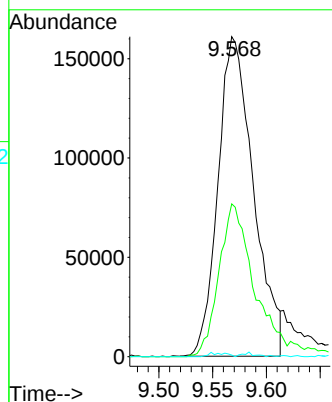
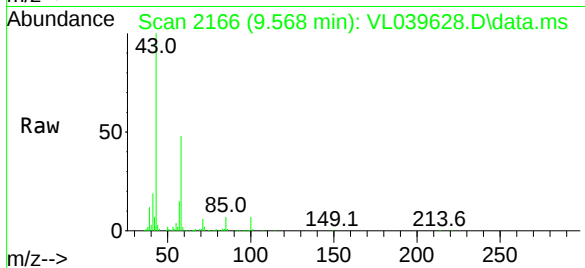




#51  
2-Hexanone  
Concen: 2.060 ppbv  
RT: 9.568 min Scan# 2166  
Delta R.T. 0.010 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

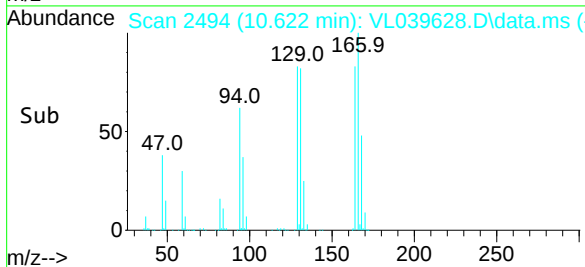
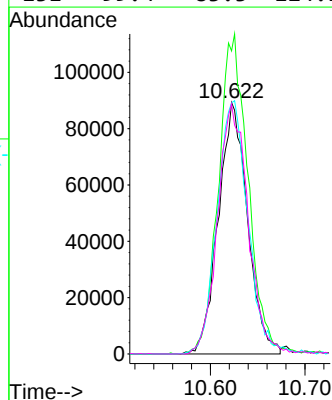
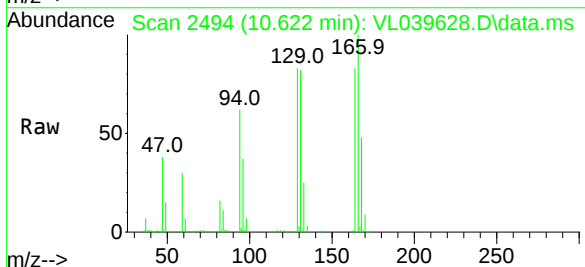
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

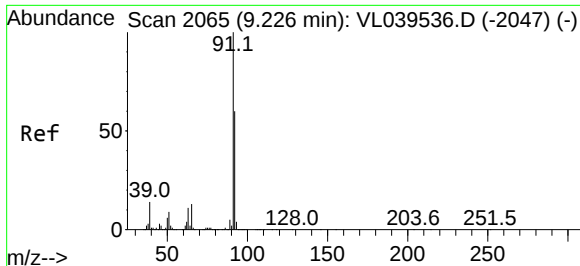
Tgt Ion: 43 Resp: 369085  
Ion Ratio Lower Upper  
43 100  
58 50.9 38.4 57.6  
98 0.5 0.3 0.5#



#52  
Tetrachloroethene  
Concen: 2.094 ppbv  
RT: 10.622 min Scan# 2494  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 164 Resp: 191599  
Ion Ratio Lower Upper  
164 100  
166 120.5 102.2 153.2  
129 99.7 85.8 128.8  
131 99.4 83.3 124.9





#53

Toluene

Concen: 2.153 ppbv

RT: 9.230 min Scan# 2065

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

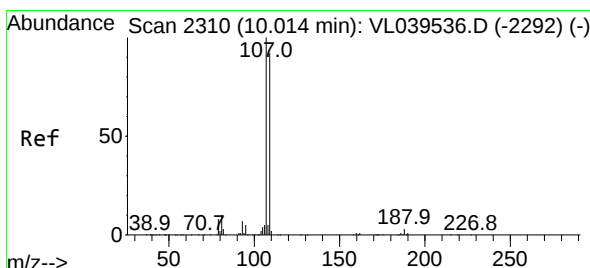
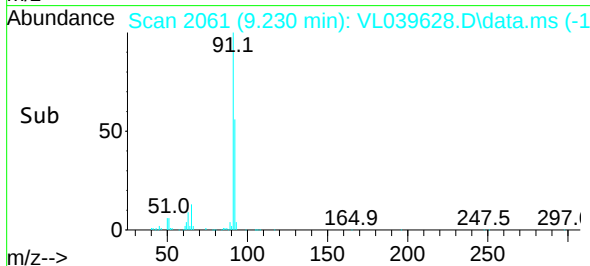
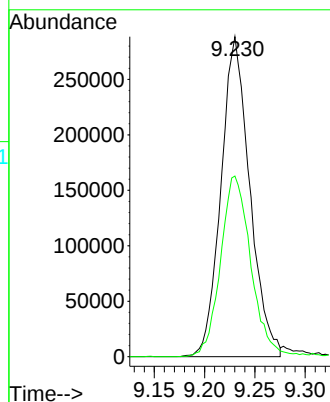
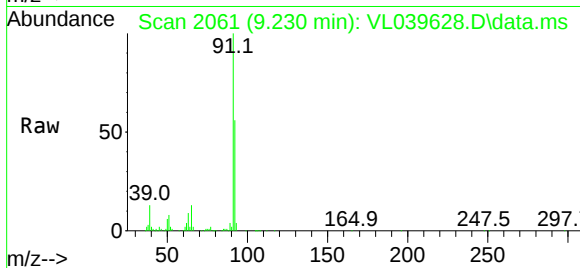
VSTDIC002

Tgt Ion: 91 Resp: 574084

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2



#54

1,2-Dibromoethane

Concen: 2.154 ppbv

RT: 10.015 min Scan# 2305

Delta R.T. 0.001 min

Lab File: VL039628.D

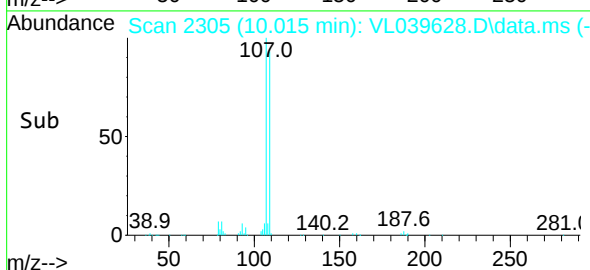
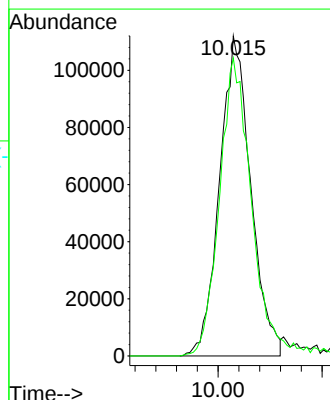
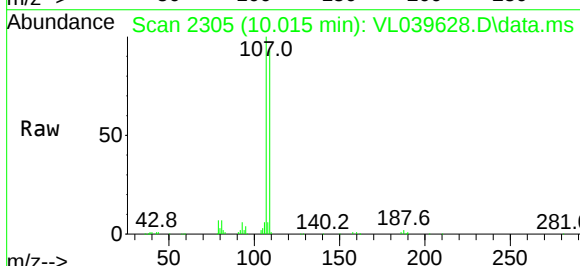
Acq: 19 Sep 2022 9:44

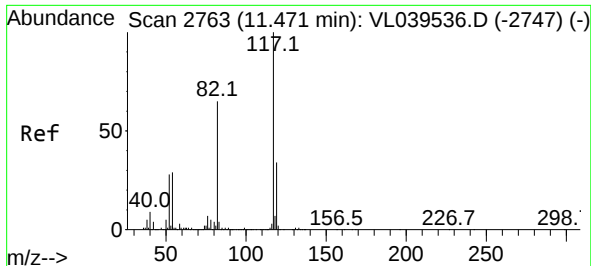
Tgt Ion: 107 Resp: 233208

Ion Ratio Lower Upper

107 100

109 93.1 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.474 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC002

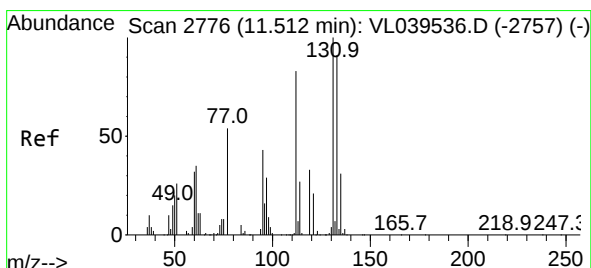
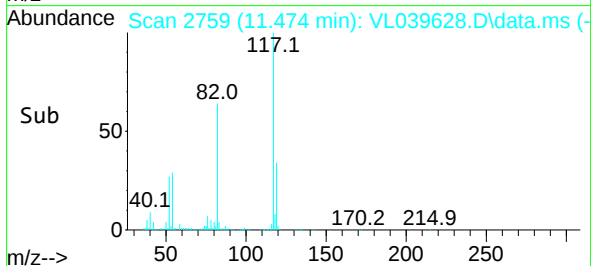
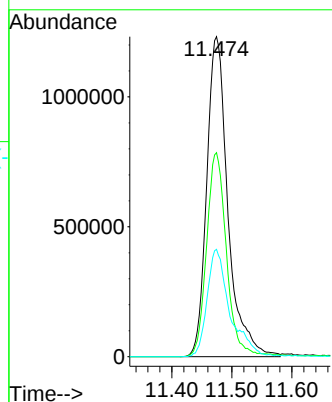
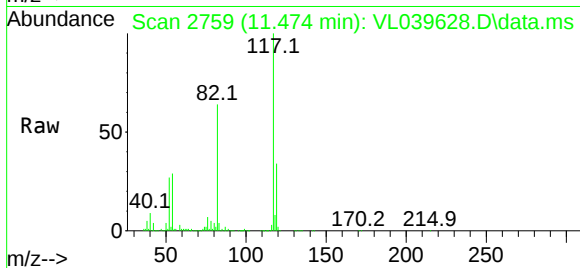
Tgt Ion:117 Resp: 3024953

Ion Ratio Lower Upper

117 100

82 60.7 50.8 76.2

119 36.8 24.1 36.1#



#56

1,1,1,2-Tetrachloroethane

Concen: 2.094 ppbv

RT: 11.519 min Scan# 2773

Delta R.T. 0.007 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

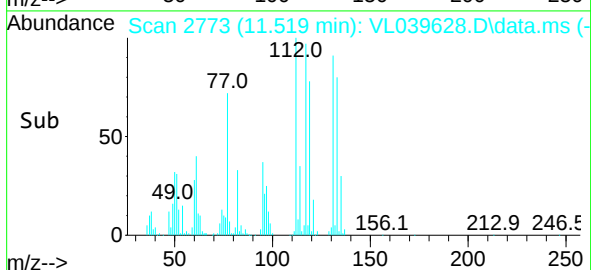
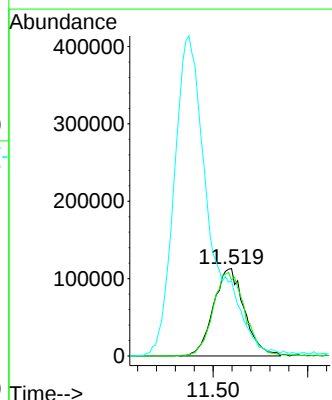
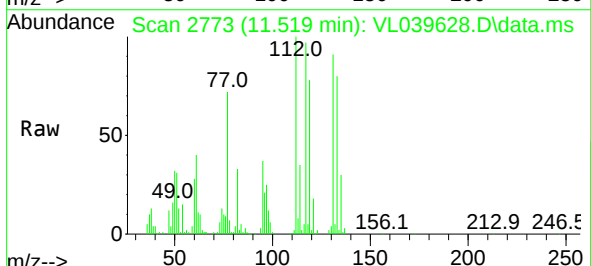
Tgt Ion:131 Resp: 256007

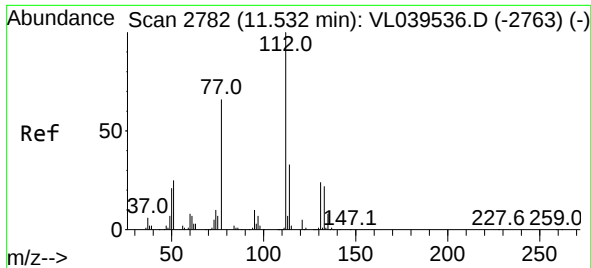
Ion Ratio Lower Upper

131 100

133 98.7 76.8 115.2

119 433.3 46.2 69.4#

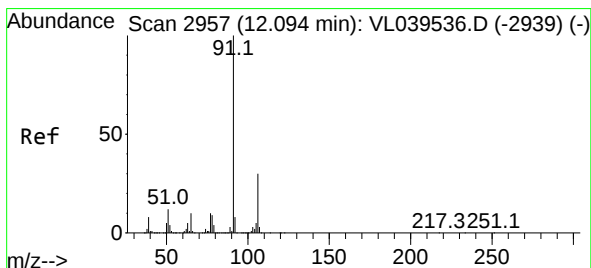
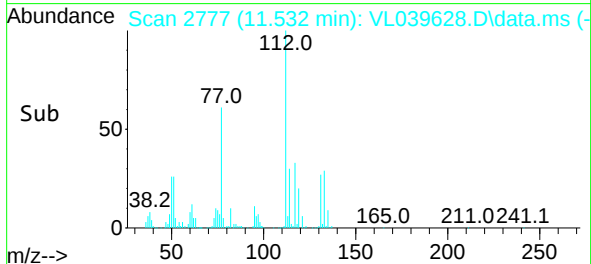
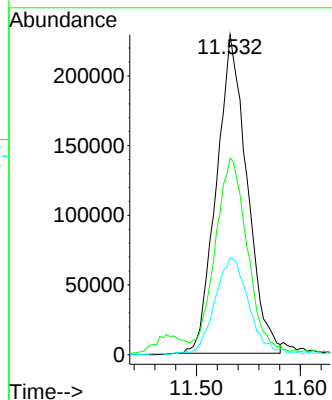
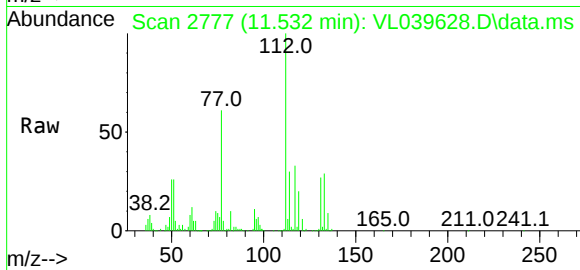




#57  
Chlorobenzene  
Concen: 2.101 ppbv  
RT: 11.532 min Scan# 21  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

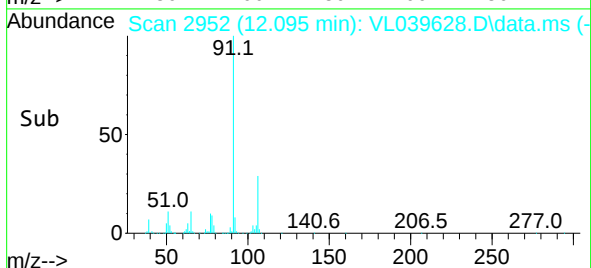
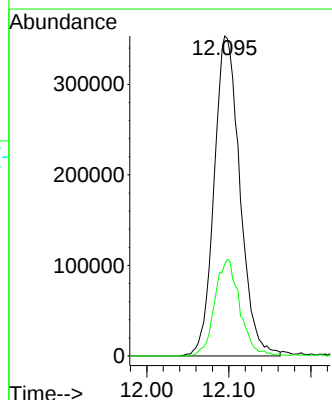
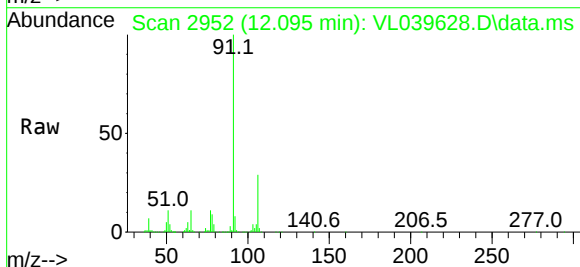
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC002

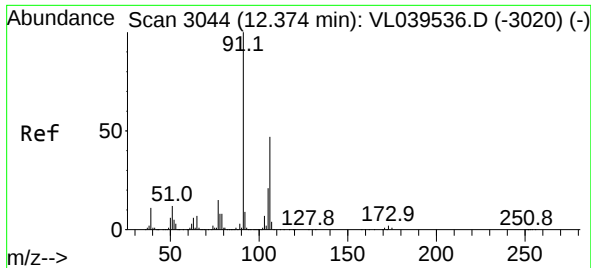
Tgt Ion:112 Resp: 467280  
Ion Ratio Lower Upper  
112 100  
77 58.9 51.0 76.4  
114 29.8 27.5 33.6



#58  
Ethyl Benzene  
Concen: 2.217 ppbv  
RT: 12.095 min Scan# 2952  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 91 Resp: 773280  
Ion Ratio Lower Upper  
91 100  
106 28.7 25.4 38.0





#59

m/p-Xylene

Concen: 2.378 ppbv

RT: 12.378 min Scan# 3044

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

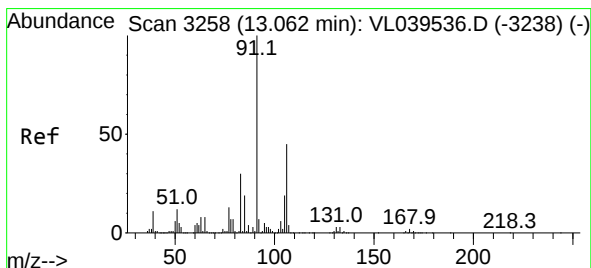
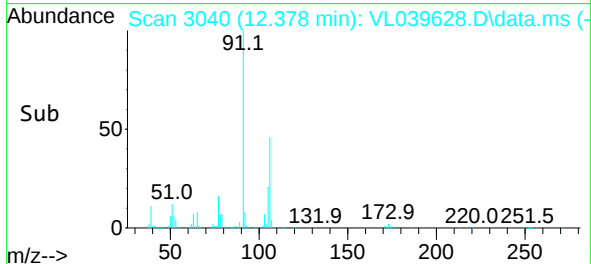
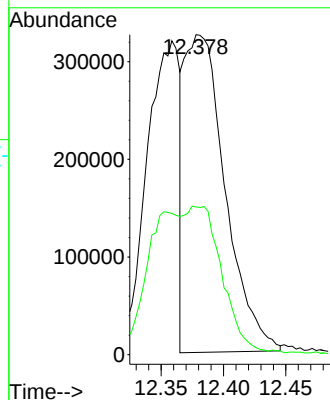
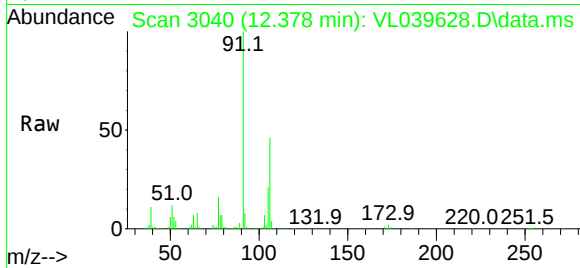
VSTDIC002

Tgt Ion: 91 Resp: 738049

Ion Ratio Lower Upper

91 100

106 82.2 35.4 53.2#



#60

o-Xylene

Concen: 2.194 ppbv

RT: 13.066 min Scan# 3254

Delta R.T. 0.004 min

Lab File: VL039628.D

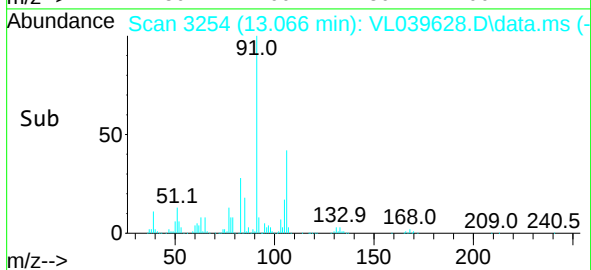
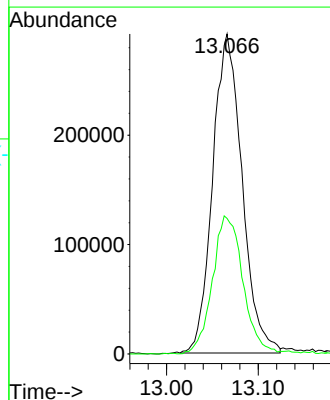
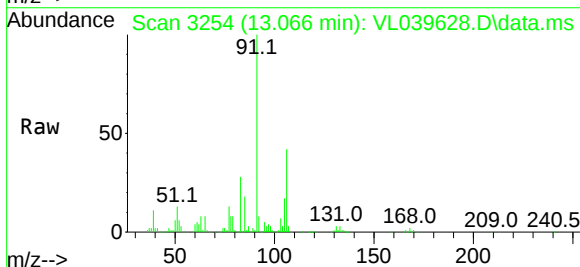
Acq: 19 Sep 2022 9:44

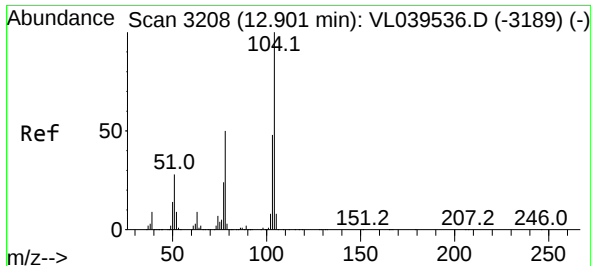
Tgt Ion: 91 Resp: 650279

Ion Ratio Lower Upper

91 100

106 45.5 22.4 67.3

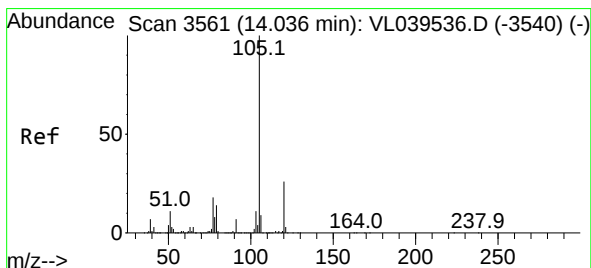
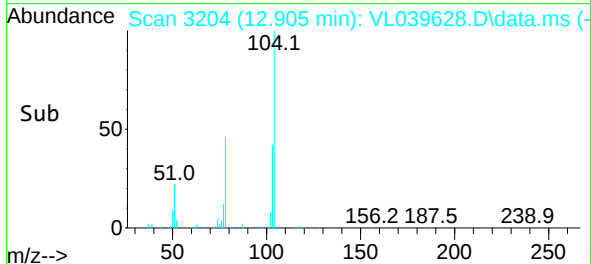
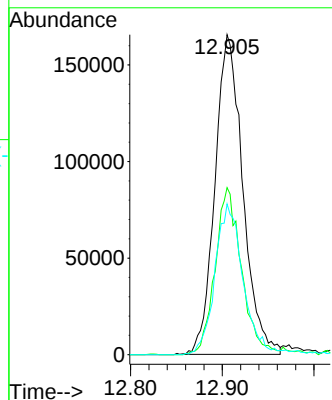
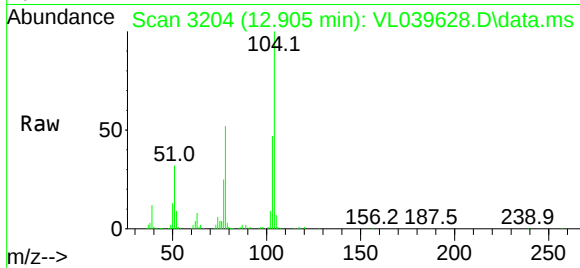




#61  
Styrene  
Concen: 2.187 ppbv  
RT: 12.905 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

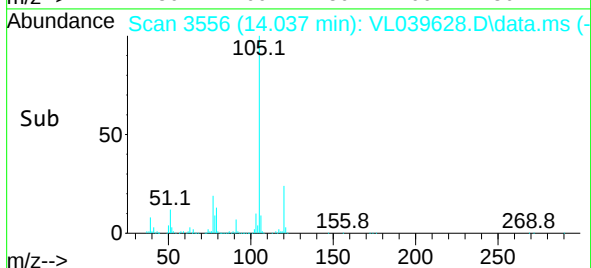
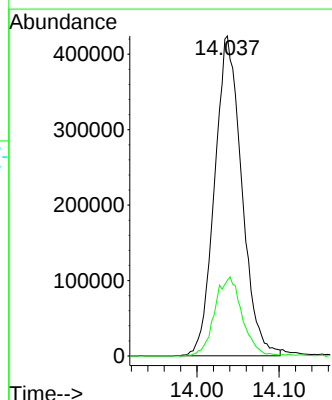
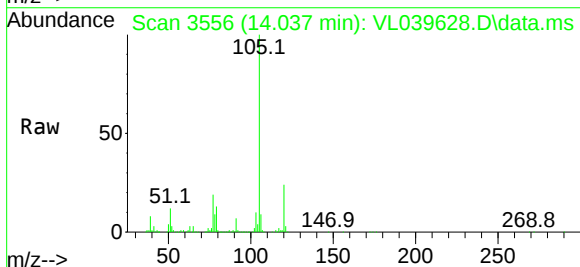
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

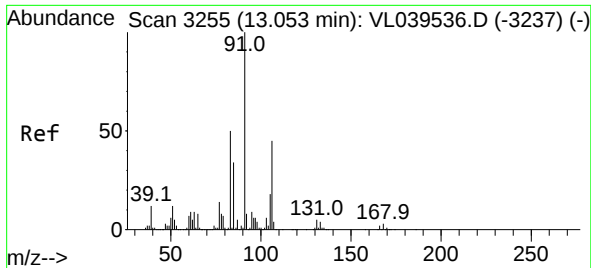
Tgt Ion:104 Resp: 349189  
Ion Ratio Lower Upper  
104 100  
78 50.5 41.2 61.8  
103 48.3 38.7 58.1



#62  
Isopropylbenzene  
Concen: 2.184 ppbv  
RT: 14.037 min Scan# 3556  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion:105 Resp: 973909  
Ion Ratio Lower Upper  
105 100  
120 25.4 20.7 31.1

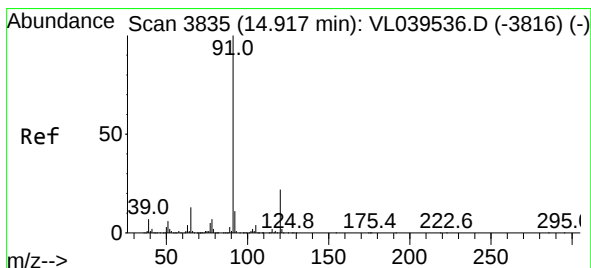
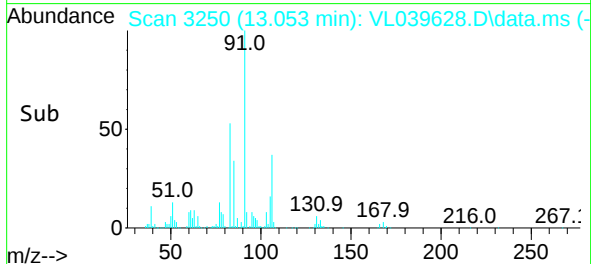
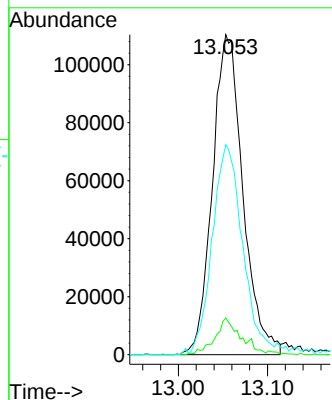
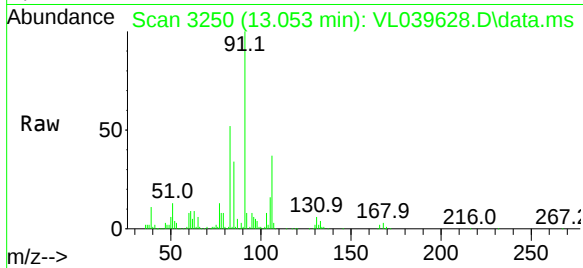




#63  
1,1,2,2-Tetrachloroethane  
Concen: 2.217 ppbv  
RT: 13.053 min Scan# 31  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

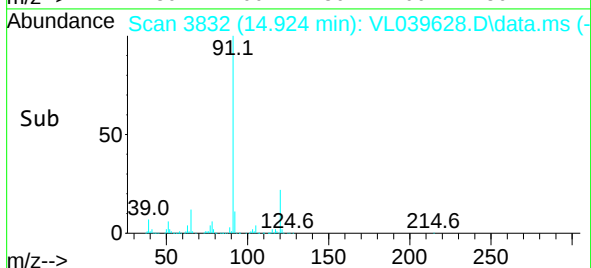
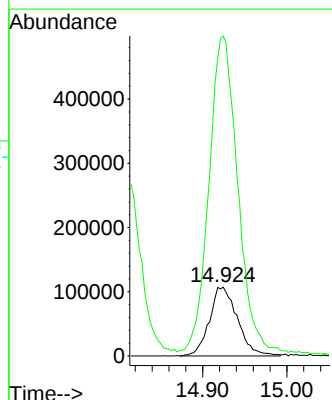
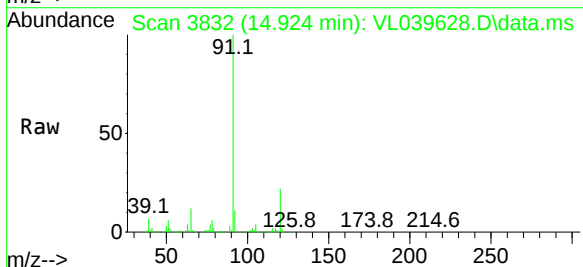
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

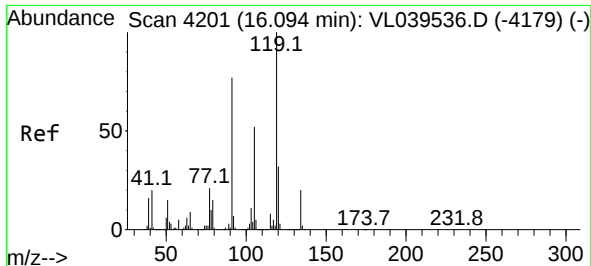
Tgt Ion: 83 Resp: 262164  
Ion Ratio Lower Upper  
83 100  
131 10.1 5.3 15.8  
85 67.8 33.1 99.5



#64  
n-propylbenzene  
Concen: 2.168 ppbv  
RT: 14.924 min Scan# 3832  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 120 Resp: 247646  
Ion Ratio Lower Upper  
120 100  
91 484.3 367.2 550.8

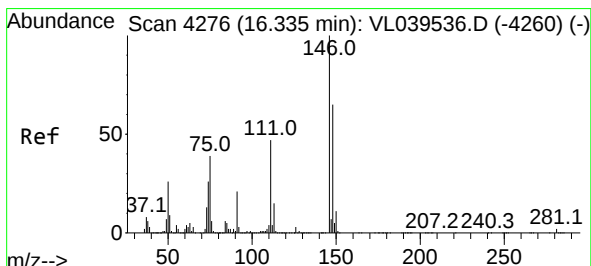
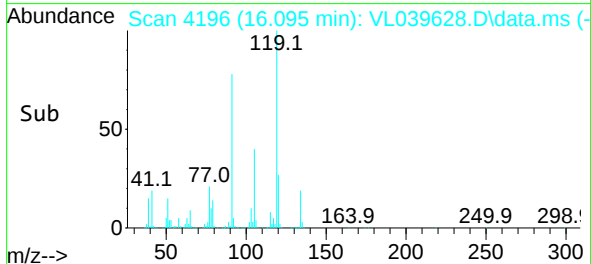
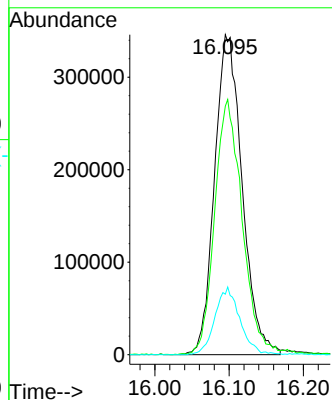
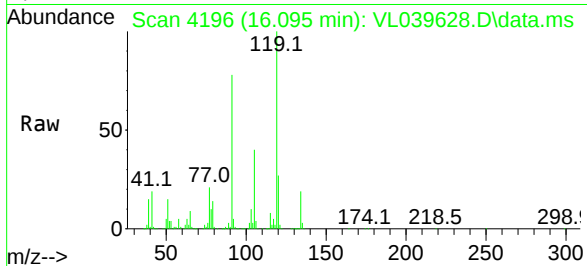




#65  
tert-Butylbenzene  
Concen: 2.272 ppbv  
RT: 16.095 min Scan# 4179  
Delta R.T. 0.001 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

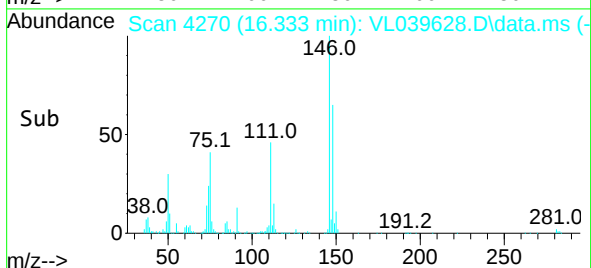
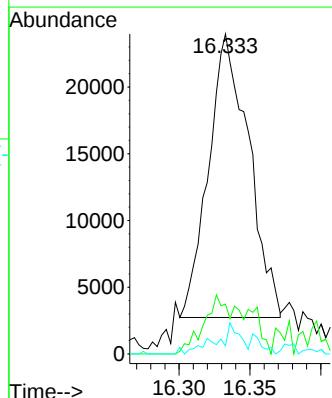
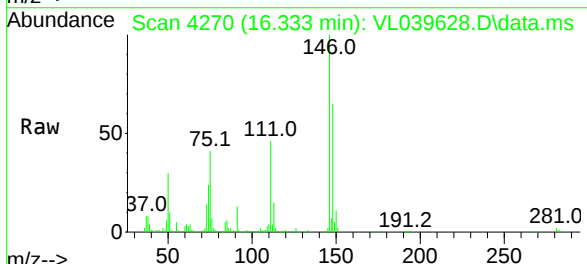
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

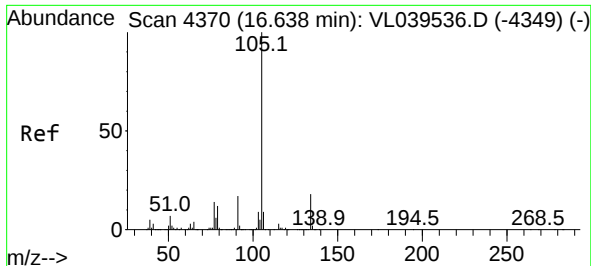
Tgt Ion: 119 Resp: 895168  
Ion Ratio Lower Upper  
119 100  
91 80.4 63.4 95.2  
134 19.1 15.9 23.9



#66  
Benzyl Chloride  
Concen: 1.338 ppbv  
RT: 16.333 min Scan# 4270  
Delta R.T. -0.003 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 91 Resp: 41988  
Ion Ratio Lower Upper  
91 100  
126 27.3 13.1 19.7#  
128 8.2 4.4 6.6#

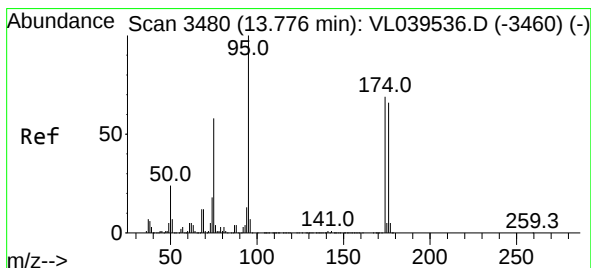
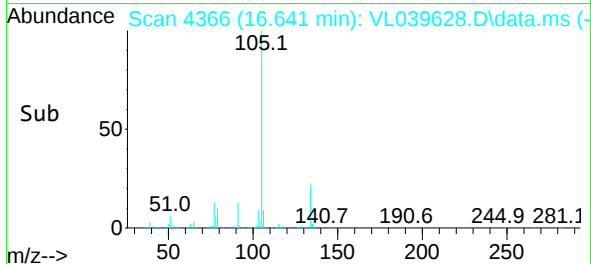
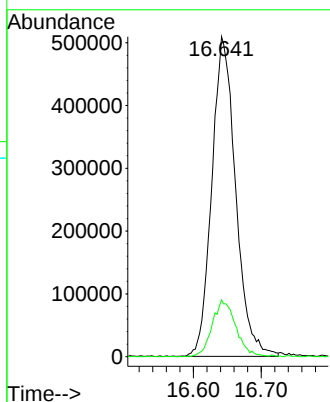
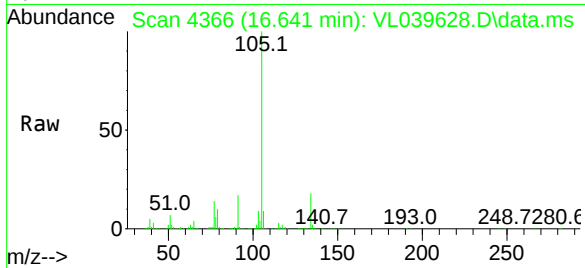




#67  
 sec-Butylbenzene  
 Concen: 2.249 ppbv  
 RT: 16.641 min Scan# 41  
 Delta R.T. 0.004 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

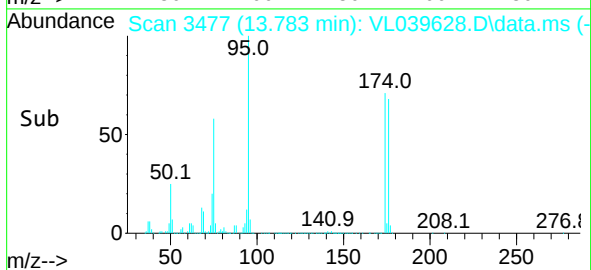
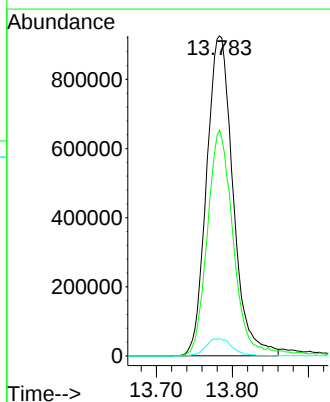
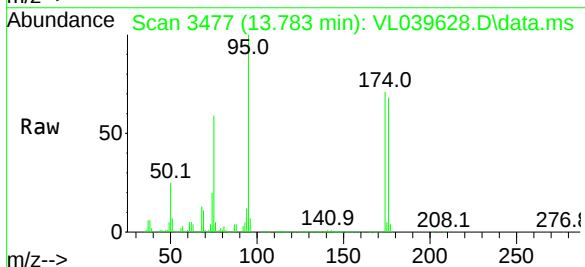
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

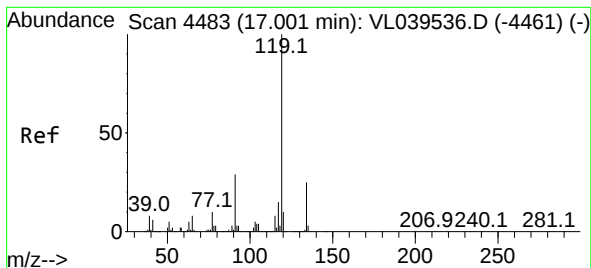
Tgt Ion:105 Resp: 1243291  
 Ion Ratio Lower Upper  
 105 100  
 134 17.6 14.8 22.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.890 ppbv  
 RT: 13.783 min Scan# 3477  
 Delta R.T. 0.007 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion: 95 Resp: 2233180  
 Ion Ratio Lower Upper  
 95 100  
 174 70.7 55.9 83.9  
 175 5.4 4.2 6.4





#69

p-Isopropyltoluene

Concen: 1.058 ppbv

RT: 17.008 min Scan# 44

Delta R.T. 0.007 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC002

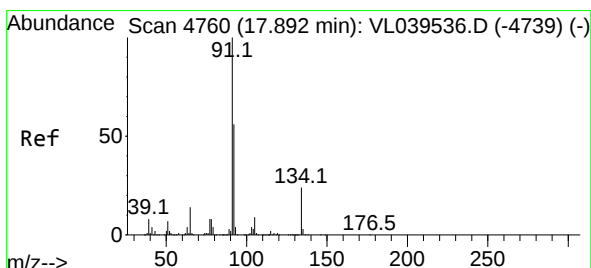
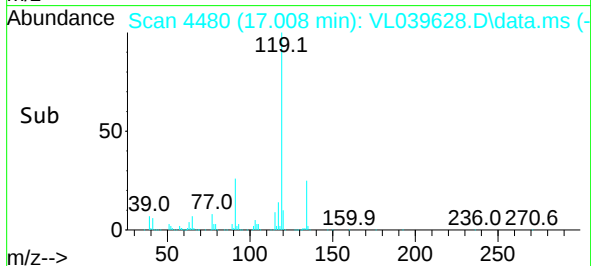
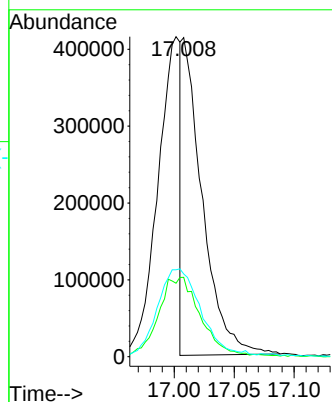
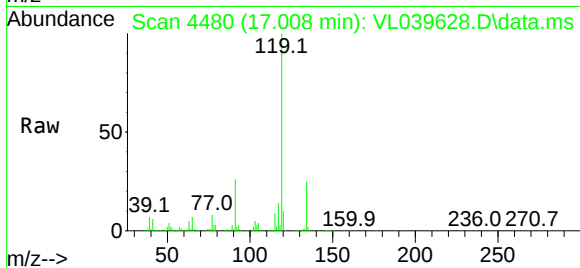
Tgt Ion:119 Resp: 480625

Ion Ratio Lower Upper

119 100

134 53.4 20.3 30.5#

91 0.0 22.9 34.3#



#70

n-Butylbenzene

Concen: 2.240 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

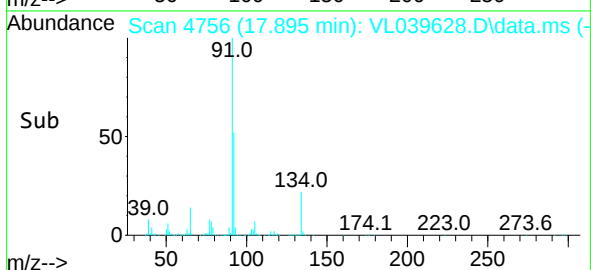
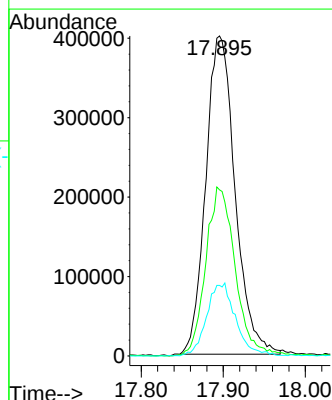
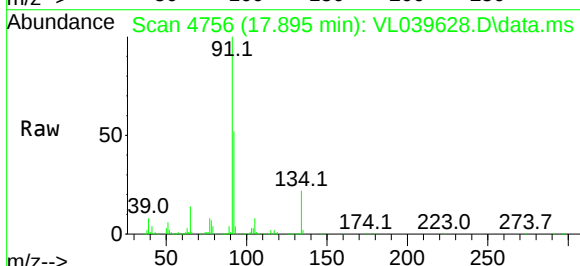
Tgt Ion: 91 Resp: 997282

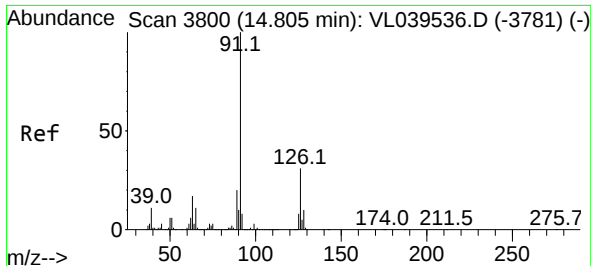
Ion Ratio Lower Upper

91 100

92 53.8 43.4 65.2

134 22.8 18.9 28.3

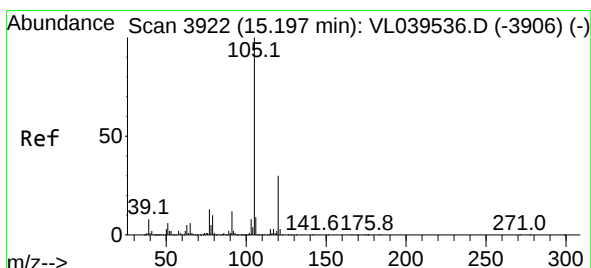
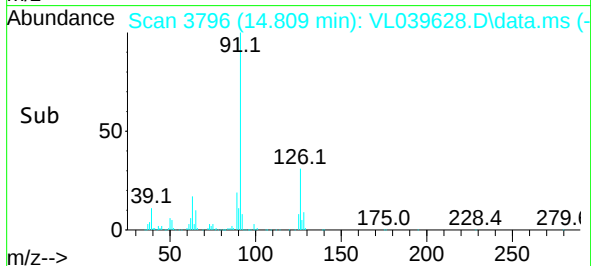
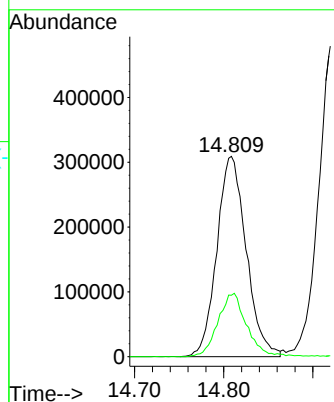
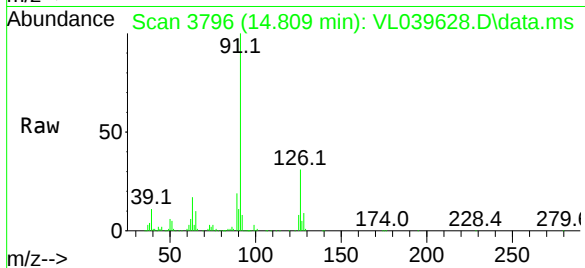




#71  
2-Chlorotoluene  
Concen: 2.197 ppbv  
RT: 14.809 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

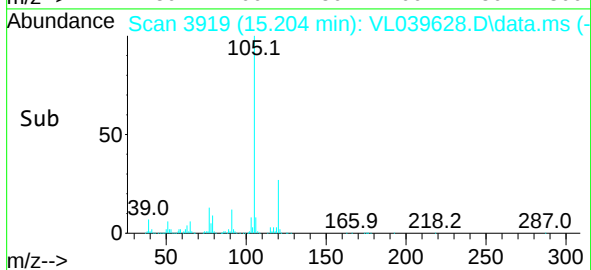
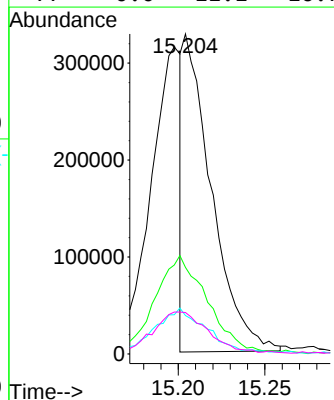
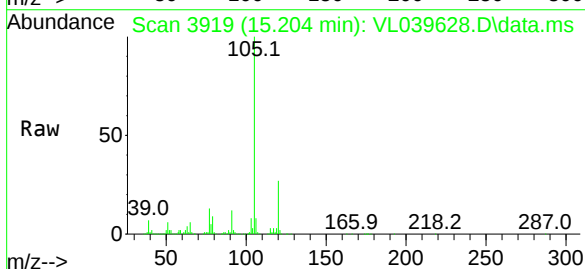
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

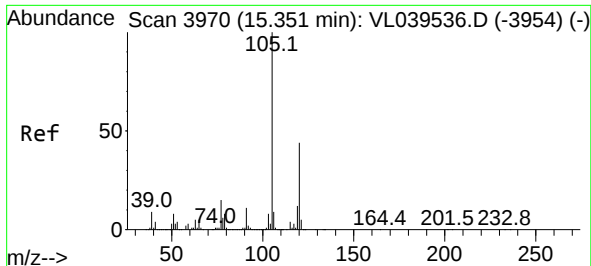
Tgt Ion: 91 Resp: 707446  
Ion Ratio Lower Upper  
91 100  
126 31.2 13.0 51.8



#72  
4-Ethyltoluene  
Concen: 1.096 ppbv  
RT: 15.204 min Scan# 3919  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion: 105 Resp: 371000  
Ion Ratio Lower Upper  
105 100  
120 59.5 24.2 36.2#  
91 27.0 10.2 15.4#  
77 0.0 11.1 16.7#

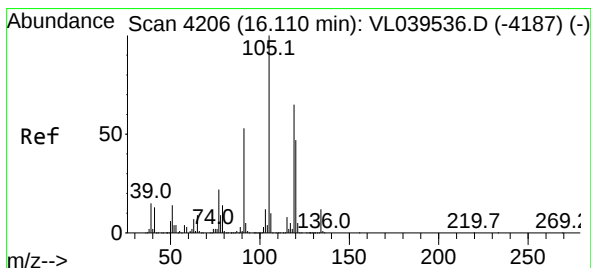
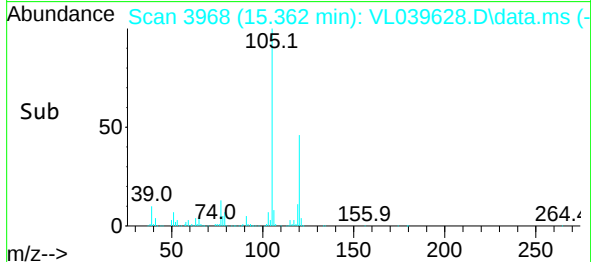
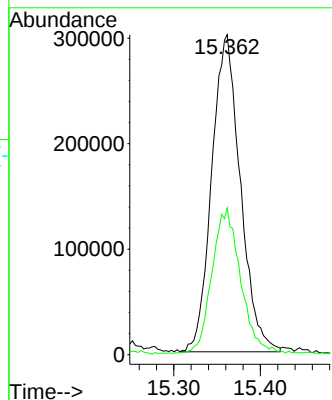
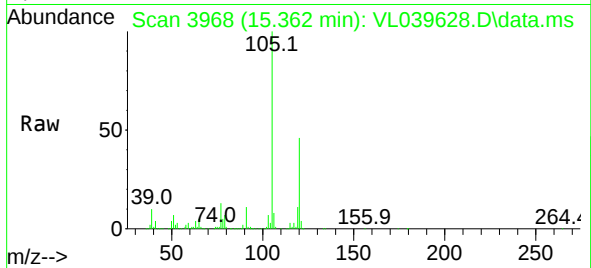




#73  
 1,3,5-Trimethylbenzene  
 Concen: 2.229 ppbv  
 RT: 15.362 min Scan# 3970  
 Delta R.T. 0.010 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

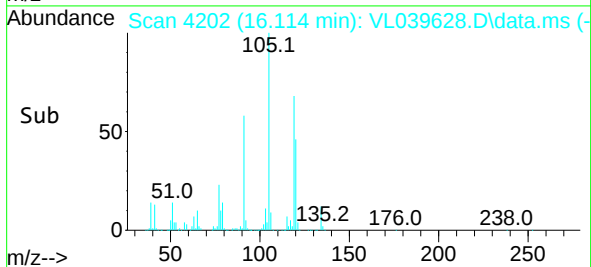
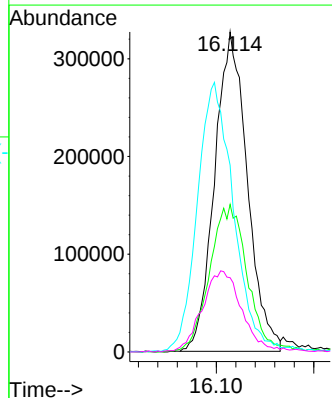
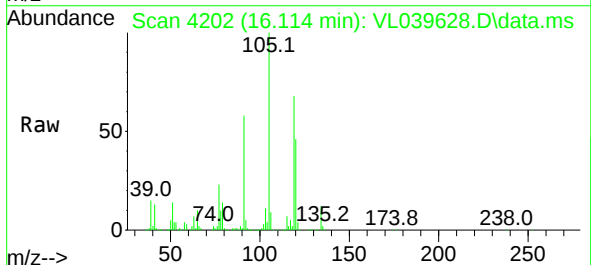
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 MSVOA\_L  
 ClientSampleId :  
 VSTDIC002

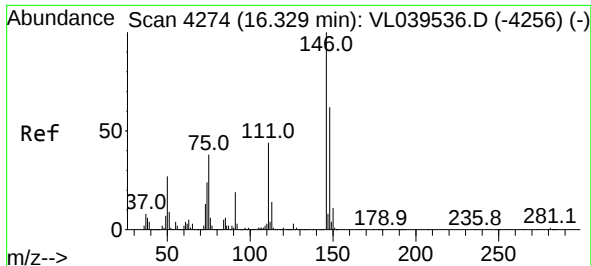
Tgt Ion:105 Resp: 690053  
 Ion Ratio Lower Upper  
 105 100  
 120 45.5 38.2 57.4



#74  
 1,2,4-Trimethylbenzene  
 Concen: 2.192 ppbv  
 RT: 16.114 min Scan# 4202  
 Delta R.T. 0.004 min  
 Lab File: VL039628.D  
 Acq: 19 Sep 2022 9:44

Tgt Ion:105 Resp: 760968  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 39.5 59.3  
 91 57.1 39.2 58.8  
 77 22.5 17.2 25.8

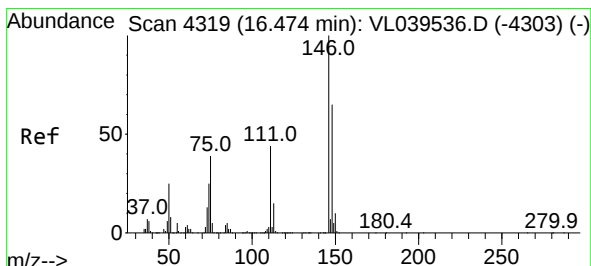
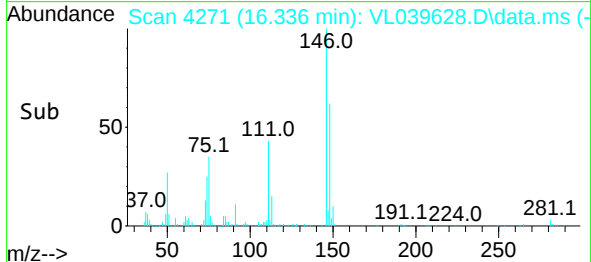
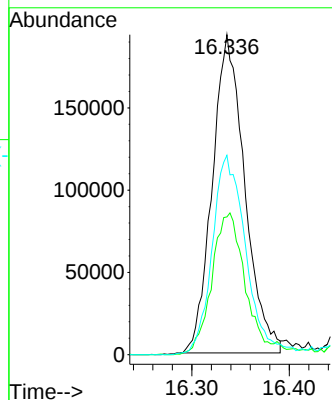
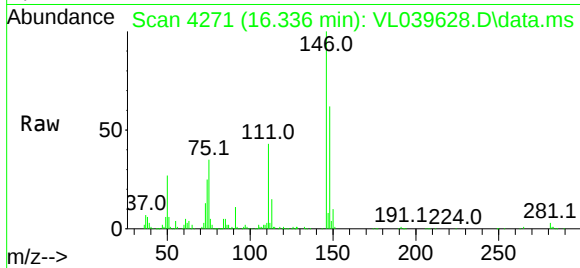




#75  
1,3-Dichlorobenzene  
Concen: 2.156 ppbv  
RT: 16.336 min Scan# 41  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

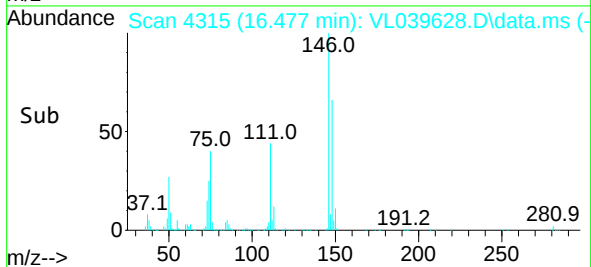
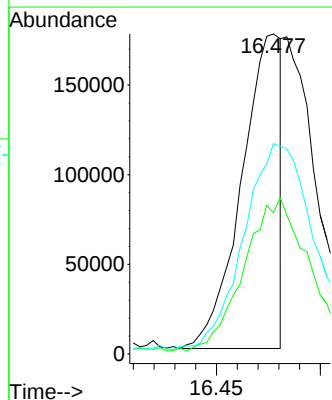
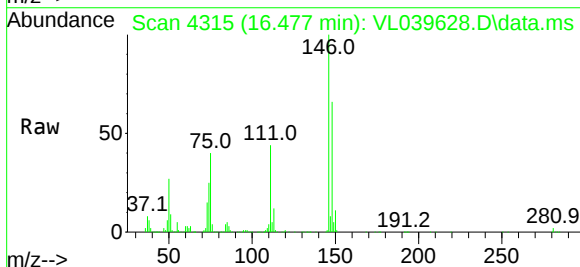
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

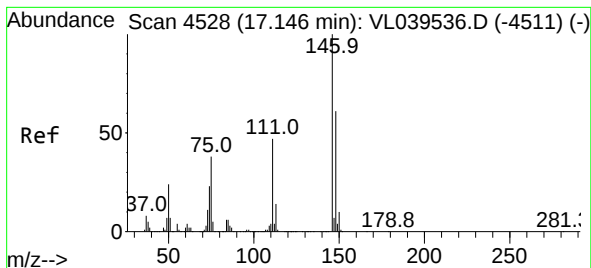
Tgt Ion:146 Resp: 446572  
Ion Ratio Lower Upper  
146 100  
111 47.2 22.9 68.7  
148 65.2 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 1.125 ppbv  
RT: 16.477 min Scan# 4315  
Delta R.T. 0.004 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion:146 Resp: 233056  
Ion Ratio Lower Upper  
146 100  
111 88.8 22.9 68.8#  
148 127.1 33.6 100.8#





#77

1,2-Dichlorobenzene

Concen: 2.161 ppbv

RT: 17.149 min Scan# 4528

Delta R.T. 0.004 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC002

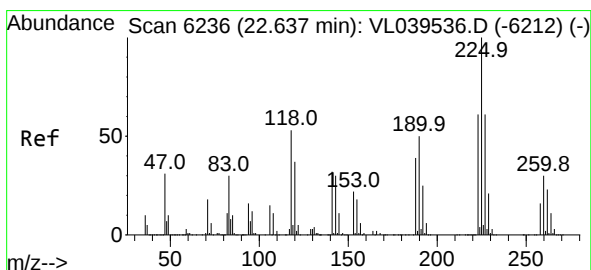
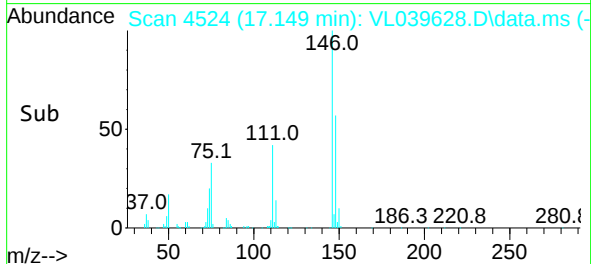
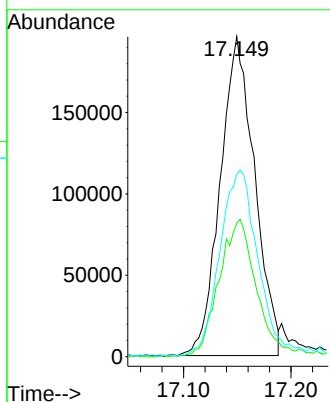
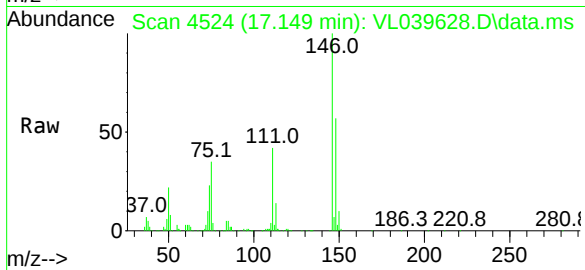
Tgt Ion:146 Resp: 436332

Ion Ratio Lower Upper

146 100

111 47.6 23.8 71.5

148 67.0 32.3 96.8



#78

Hexachloro-1,3-Butadiene

Concen: 2.275 ppbv

RT: 22.638 min Scan# 6231

Delta R.T. 0.001 min

Lab File: VL039628.D

Acq: 19 Sep 2022 9:44

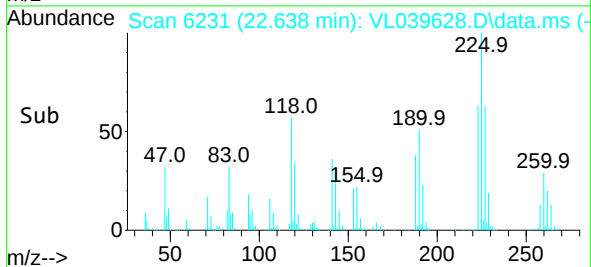
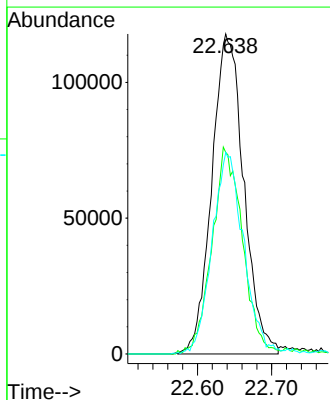
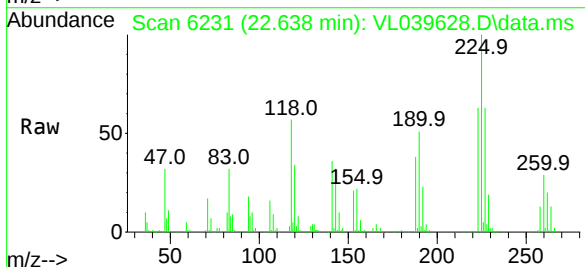
Tgt Ion:225 Resp: 351007

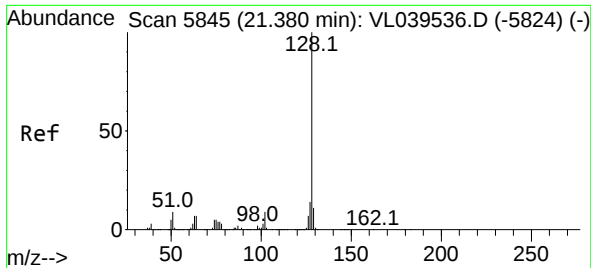
Ion Ratio Lower Upper

225 100

223 62.5 51.8 77.6

227 62.9 51.4 77.2

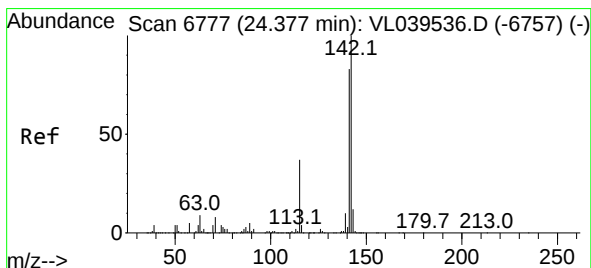
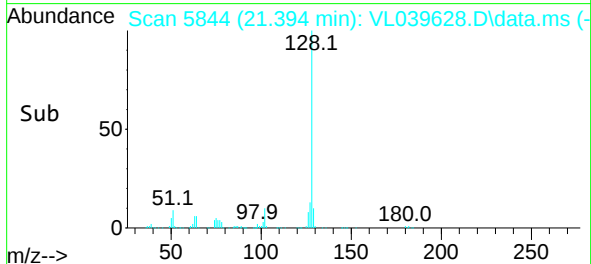
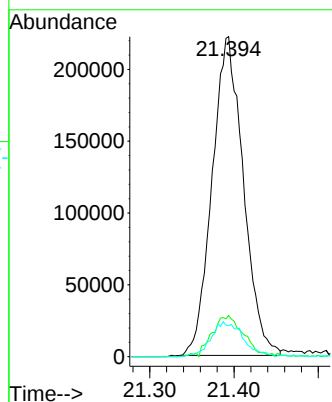
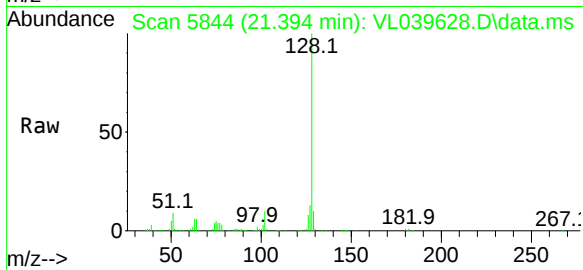




#79  
Naphthalene  
Concen: 2.493 ppbv  
RT: 21.394 min Scan# 51  
Delta R.T. 0.013 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

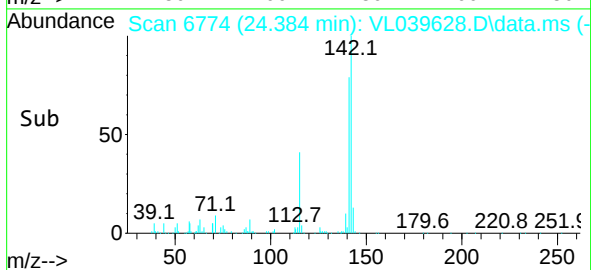
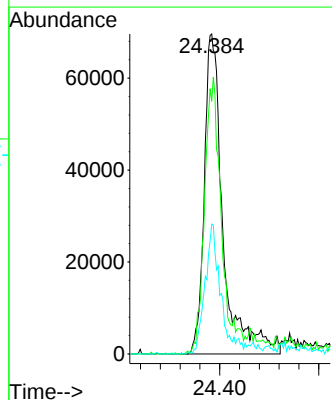
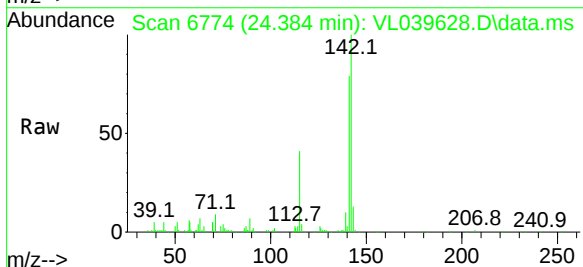
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

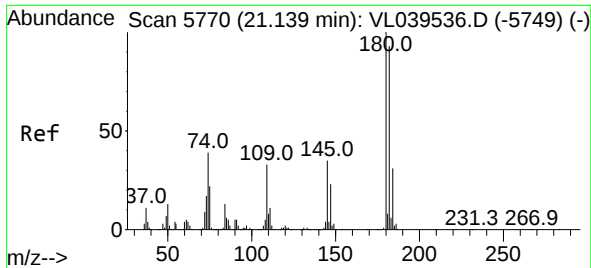
Tgt Ion:128 Resp: 570957  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.6 15.8  
129 9.6 8.8 13.2



#80  
Naphthalene,2-methyl-  
Concen: 2.132 ppbv  
RT: 24.384 min Scan# 6774  
Delta R.T. 0.007 min  
Lab File: VL039628.D  
Acq: 19 Sep 2022 9:44

Tgt Ion:142 Resp: 183571  
Ion Ratio Lower Upper  
142 100  
141 82.2 68.9 103.3  
115 35.6 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 2.234 ppbv

RT: 21.149 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL039628.D

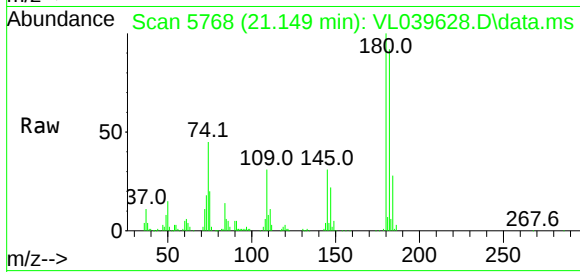
Acq: 19 Sep 2022 9:44

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 336106

Ion Ratio Lower Upper

180 100

182 98.0 77.1 115.7

184 30.1 24.3 36.5

