

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040422\  
 Data File : VX027962.D  
 Acq On : 04 Apr 2022 16:57  
 Operator : JC/MD  
 Sample : N2172-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Apr 05 05:51:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 30 04:39:27 2022  
 Response via : Initial Calibration

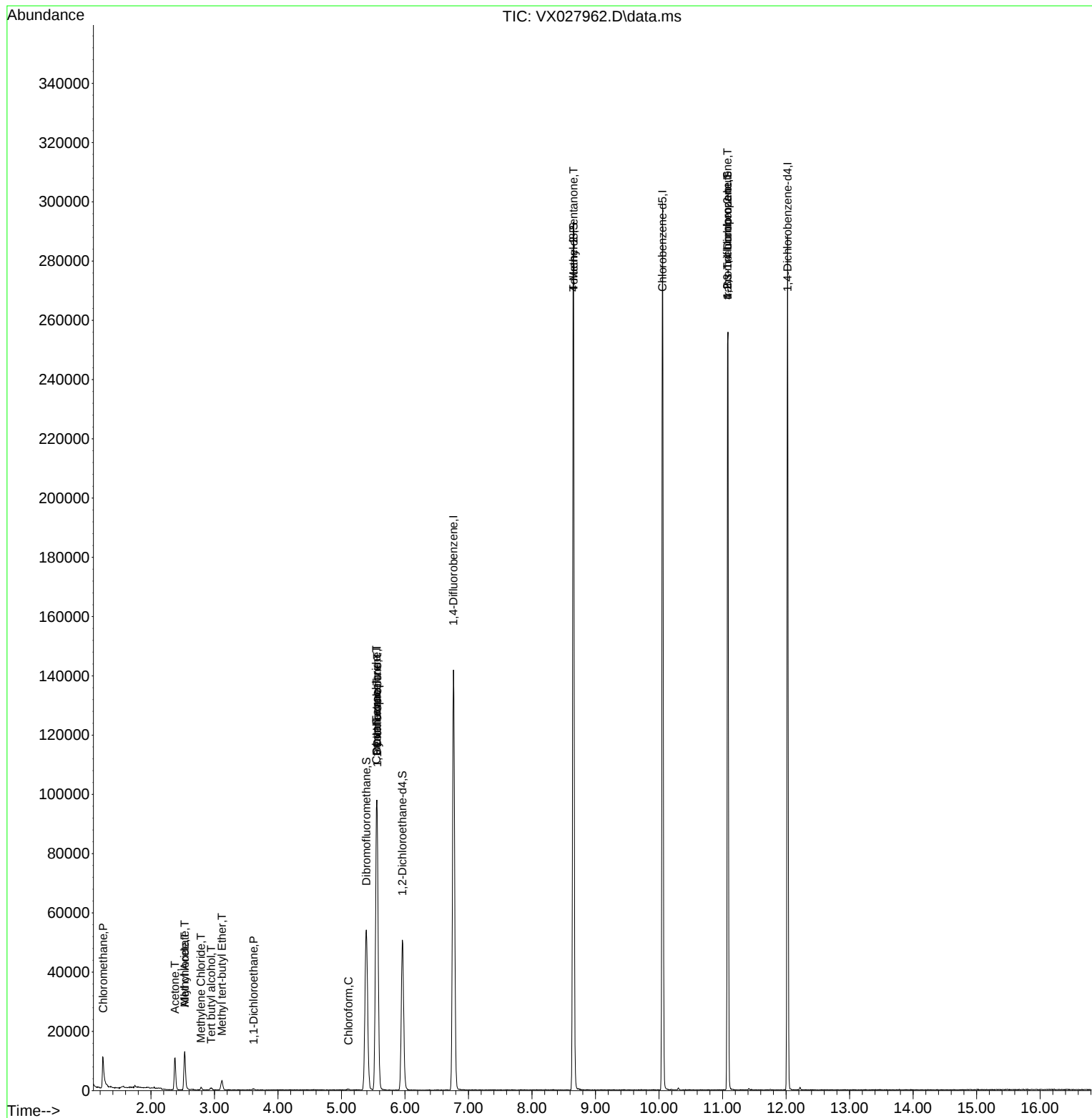
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 92230    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 150259   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 128210   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 53600    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 49667    | 41.736   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 83.480%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 48529    | 50.036   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 100.080% |
| 50) Toluene-d8                | 8.653  | 98    | 170266   | 49.895   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 99.780%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 69451    | 47.891   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 95.780%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.246  | 50    | 269      | 0.364    | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 463      | 2.025    | ug/l # | 72       |
| 14) Allyl chloride            | 2.532  | 41    | 1346     | 0.925    | ug/l # | 52       |
| 16) Acetone                   | 2.380  | 43    | 11860    | 22.519   | ug/l # | 85       |
| 18) Methyl Acetate            | 2.532  | 43    | 3889     | 2.995    | ug/l # | 46       |
| 19) Methyl tert-butyl Ether   | 3.117  | 73    | 3381     | 1.120    | ug/l   | 92       |
| 20) Methylene Chloride        | 2.788  | 84    | 375      | 0.396    | ug/l # | 91       |
| 24) 1,1-Dichloroethane        | 3.617  | 63    | 616      | 0.376    | ug/l # | 81       |
| 30) Chloroform                | 5.111  | 83    | 425      | 0.233    | ug/l # | 63       |
| 31) Cyclohexane               | 5.556  | 56    | 1914     | 1.455    | ug/l # | 14       |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 7226     | 5.915    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 9649     | 7.150    | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653  | 43    | 811      | 0.482    | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 38879    | 30.921   | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 38879    | 89.959   | ug/l # | 15       |
| -----                         |        |       |          |          |        |          |

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

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Sample : N2172-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Apr 05 05:51:37 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032922W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 30 04:39:27 2022  
Response via : Initial Calibration



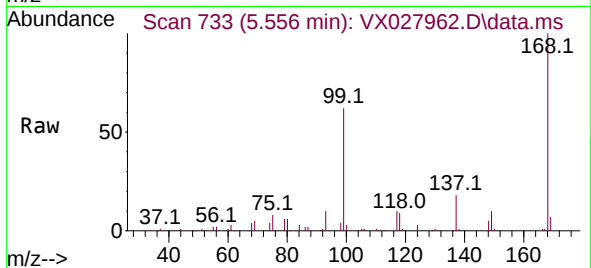


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

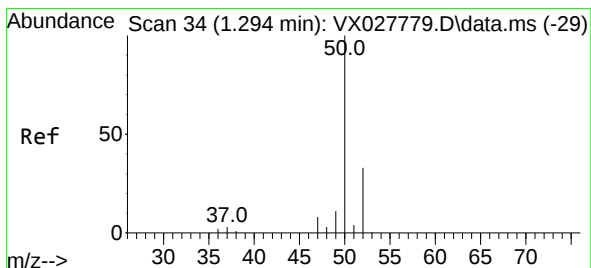
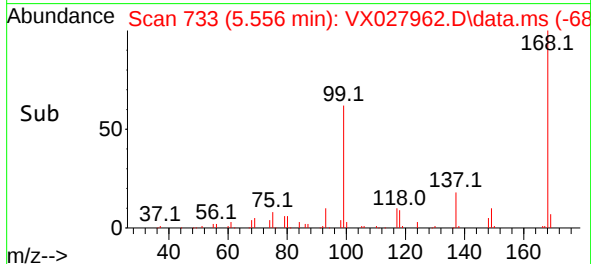
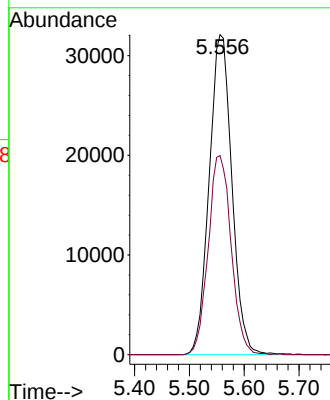
Instrument :

MSVOA\_X

ClientSampleId :

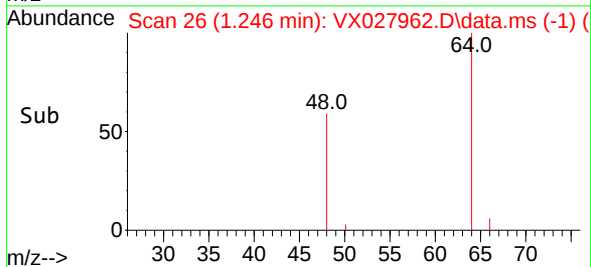
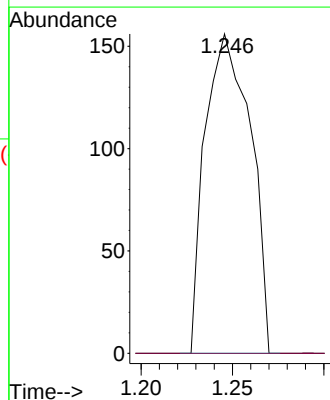
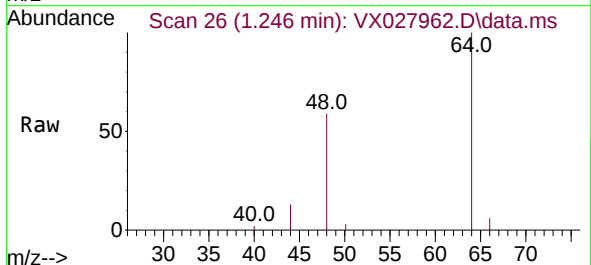


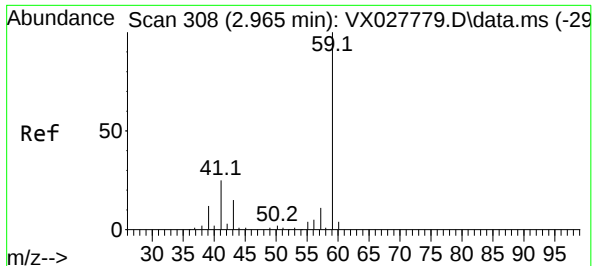
Tgt Ion:168 Resp: 92230  
Ion Ratio Lower Upper  
168 100  
99 62.2 41.7 62.5



#3  
Chloromethane  
Concen: 0.364 ug/l  
RT: 1.246 min Scan# 26  
Delta R.T. -0.048 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

Tgt Ion: 50 Resp: 269  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#





#11

Tert butyl alcohol

Concen: 2.025 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

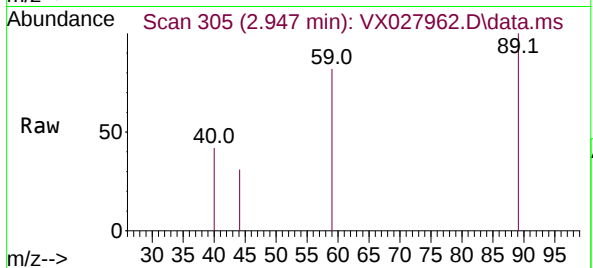
Lab File: VX027962.D

Acq: 04 Apr 2022 16:57

Instrument :

MSVOA\_X

ClientSampleId :

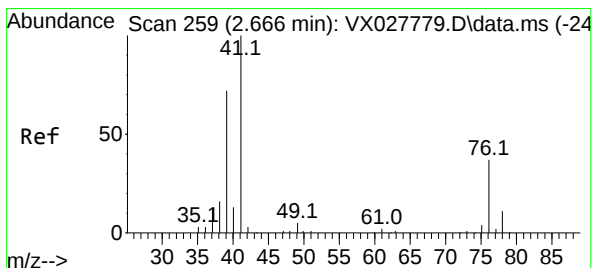
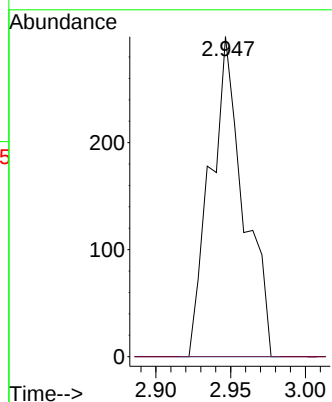


Tgt Ion: 59 Resp: 463

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#14

Allyl chloride

Concen: 0.925 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.134 min

Lab File: VX027962.D

Acq: 04 Apr 2022 16:57

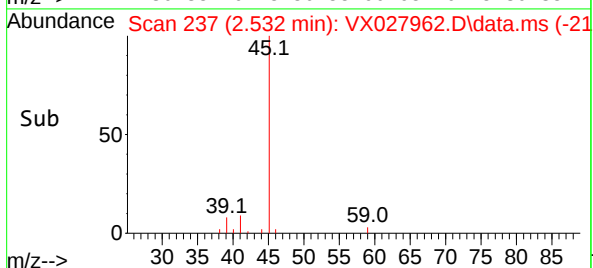
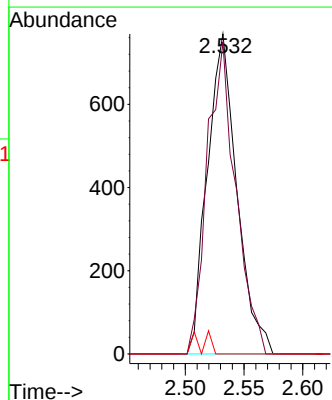
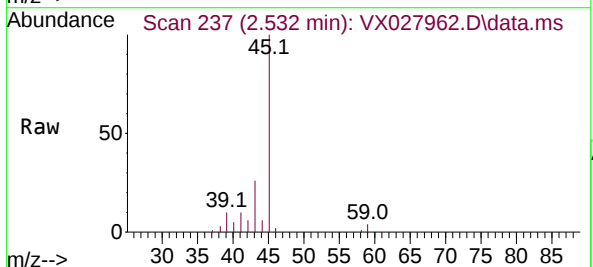
Tgt Ion: 41 Resp: 1346

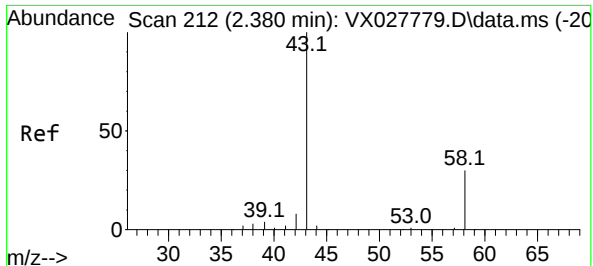
Ion Ratio Lower Upper

41 100

39 94.4 50.4 75.6#

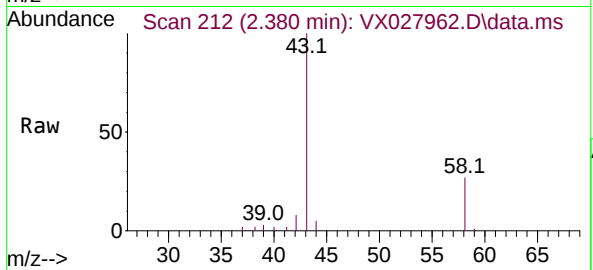
76 3.0 32.7 49.1#



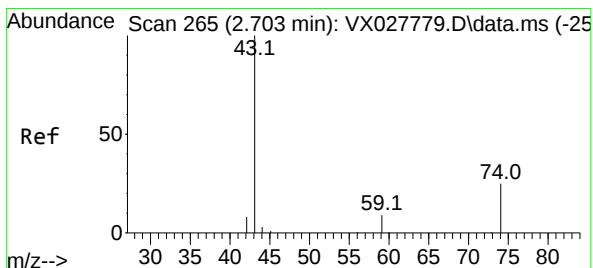
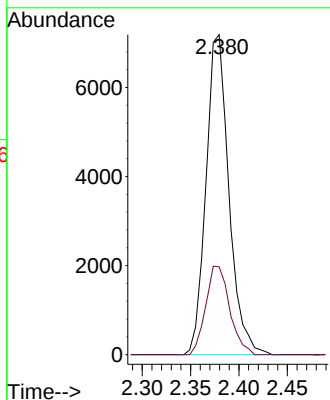
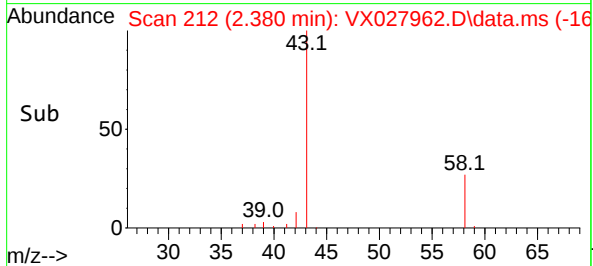


#16  
Acetone  
Concen: 22.519 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

Instrument :  
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ClientSampleId :

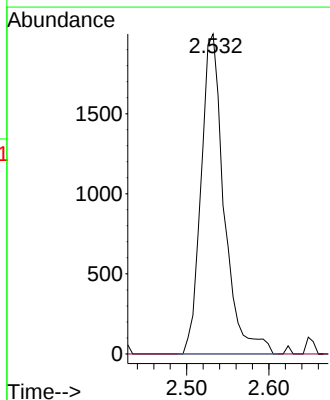
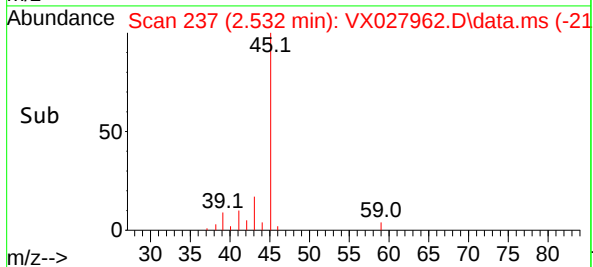
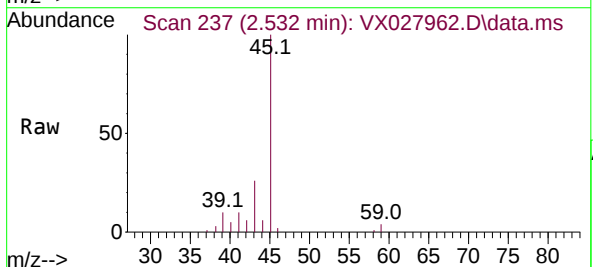


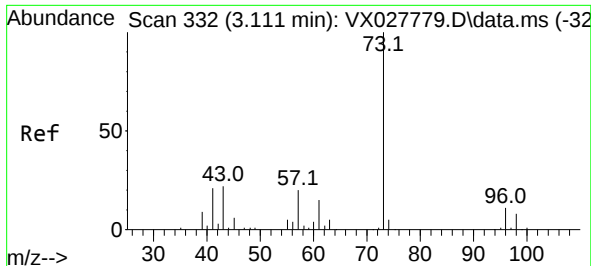
Tgt Ion: 43 Resp: 11860  
Ion Ratio Lower Upper  
43 100  
58 27.5 28.8 43.2#



#18  
Methyl Acetate  
Concen: 2.995 ug/l  
RT: 2.532 min Scan# 237  
Delta R.T. -0.171 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

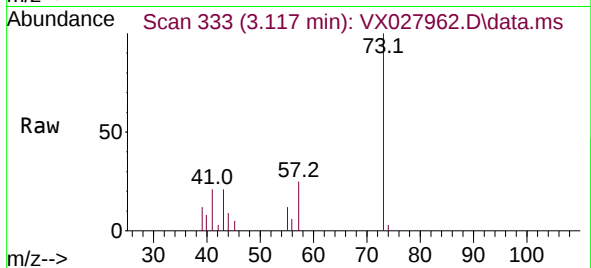
Tgt Ion: 43 Resp: 3889  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.8 34.2#



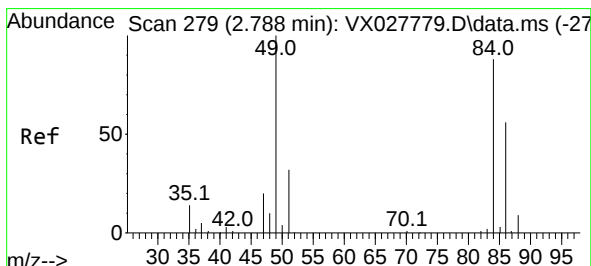
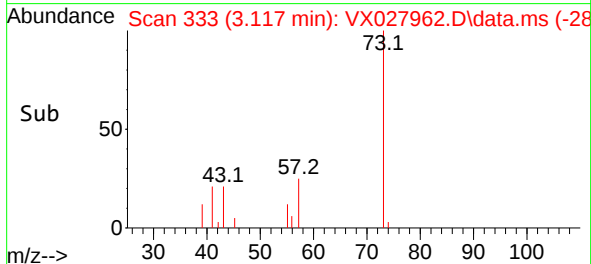
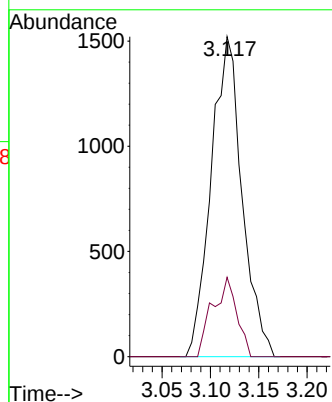


#19  
Methyl tert-butyl Ether  
Concen: 1.120 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

Instrument :  
MSVOA\_X  
ClientSampleId :

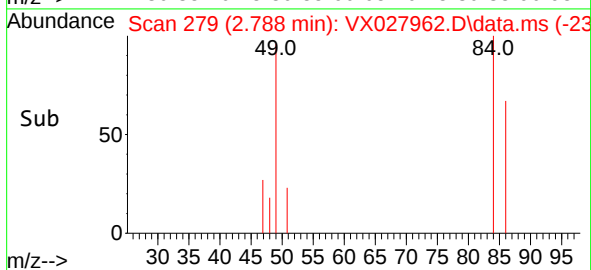
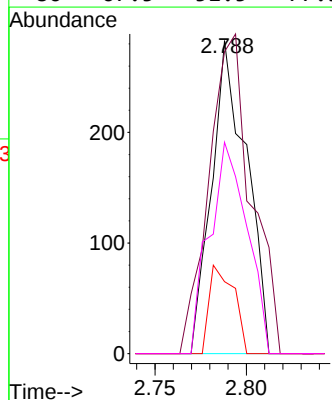
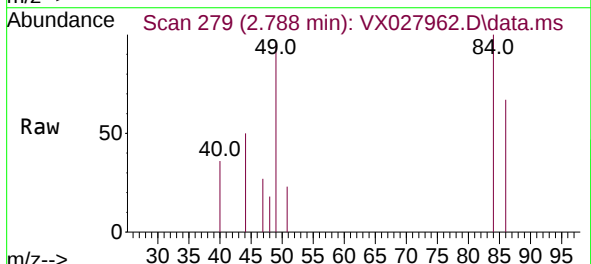


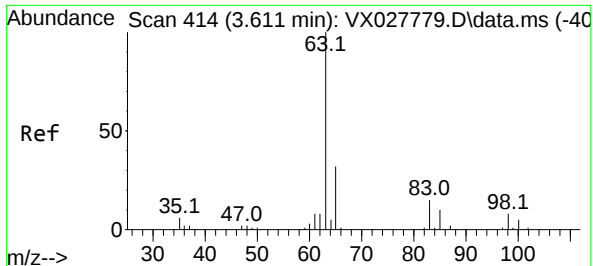
Tgt Ion: 73 Resp: 3381  
Ion Ratio Lower Upper  
73 100  
57 24.8 16.8 25.2



#20  
Methylene Chloride  
Concen: 0.396 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

Tgt Ion: 84 Resp: 375  
Ion Ratio Lower Upper  
84 100  
49 96.5 85.5 128.3  
51 23.0 26.6 39.8#  
86 67.5 51.5 77.3

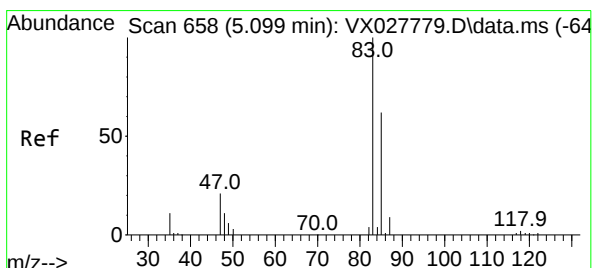
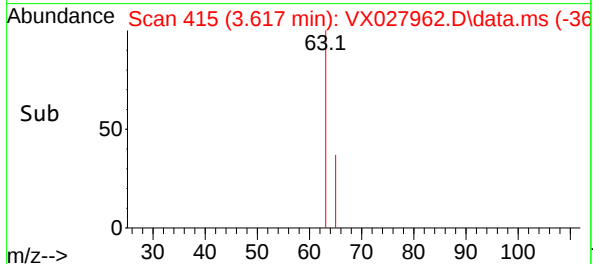
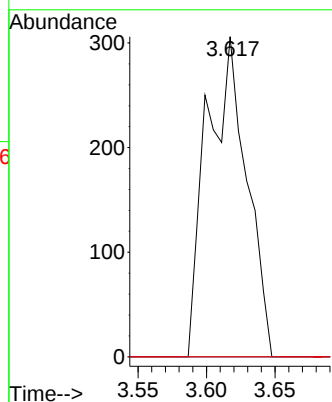
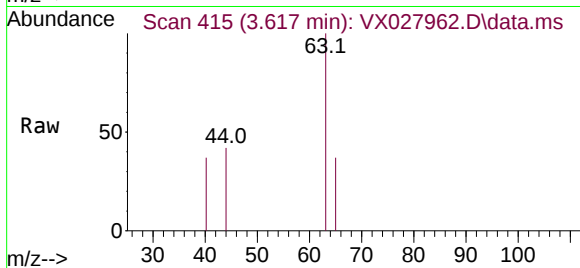




#24  
1,1-Dichloroethane  
Concen: 0.376 ug/l  
RT: 3.617 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

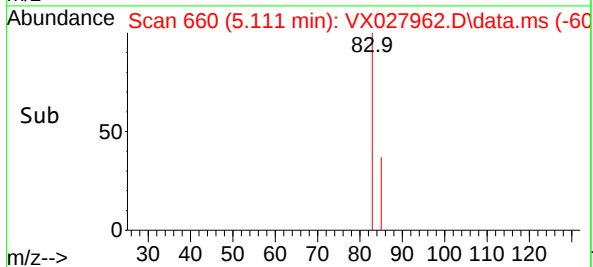
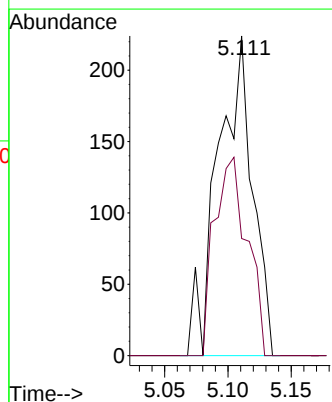
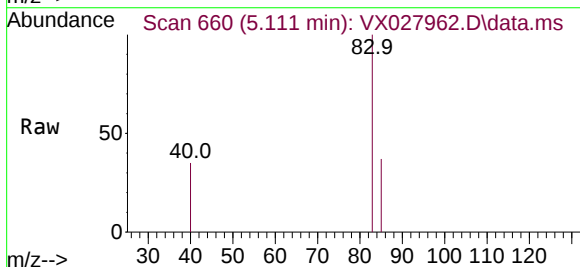
Instrument :  
MSVOA\_X  
ClientSampleId :

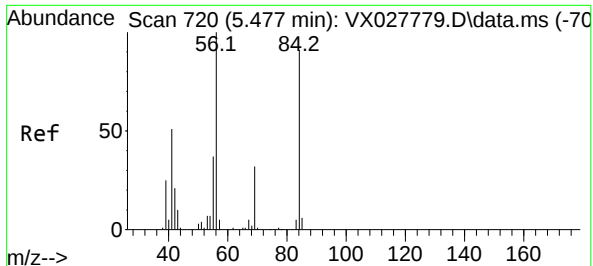
Tgt Ion: 63 Resp: 616  
Ion Ratio Lower Upper  
63 100  
98 0.0 3.9 11.7#  
100 0.0 2.4 7.2#



#30  
Chloroform  
Concen: 0.233 ug/l  
RT: 5.111 min Scan# 660  
Delta R.T. 0.012 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

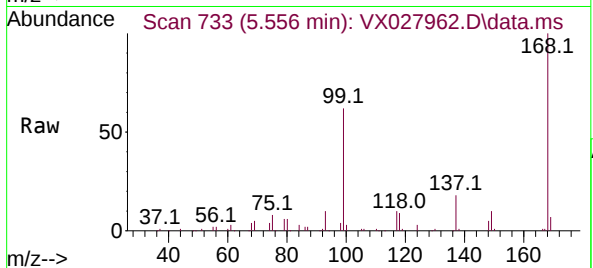
Tgt Ion: 83 Resp: 425  
Ion Ratio Lower Upper  
83 100  
85 36.6 52.7 79.1#



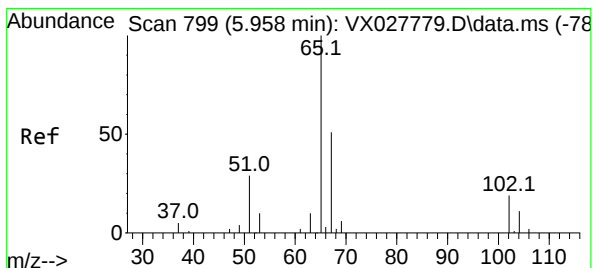
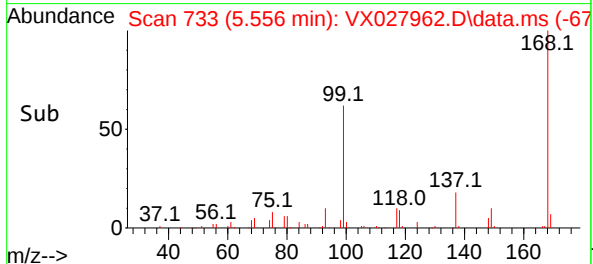
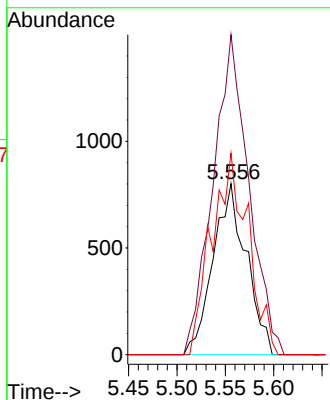


#31  
Cyclohexane  
Concen: 1.455 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

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ClientSampleId :

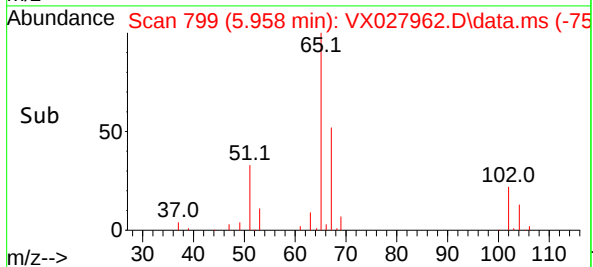
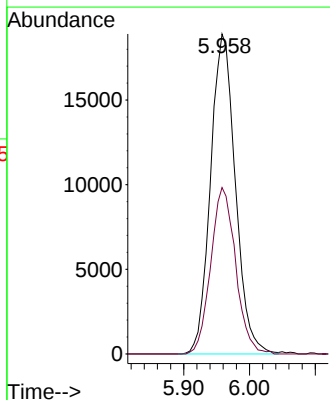
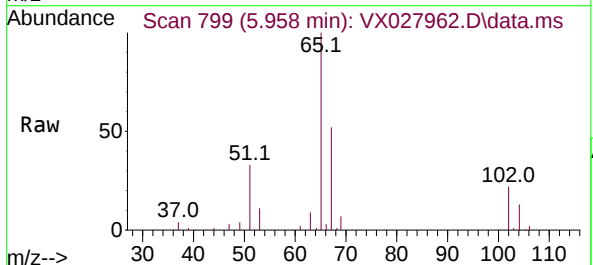


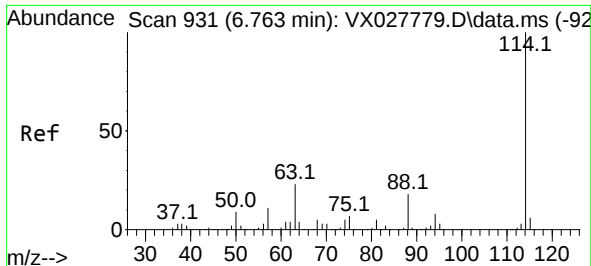
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Ion Ratio Lower Upper  
56 100  
69 187.0 26.7 40.1#  
84 117.8 77.2 115.8#



#33  
1,2-Dichloroethane-d4  
Concen: 41.736 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

Tgt Ion: 65 Resp: 49667  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 107.4

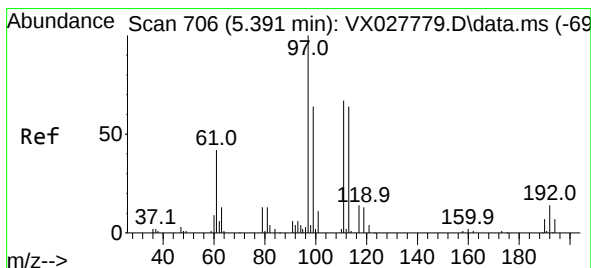
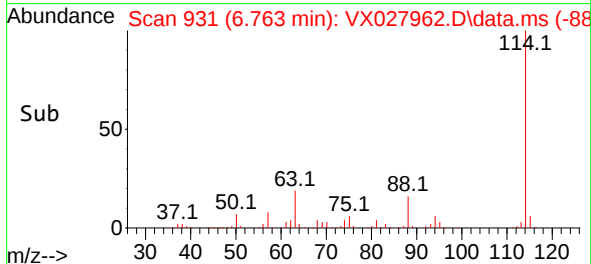
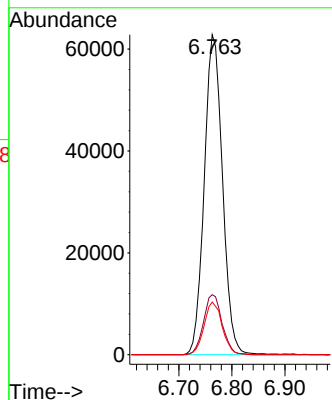
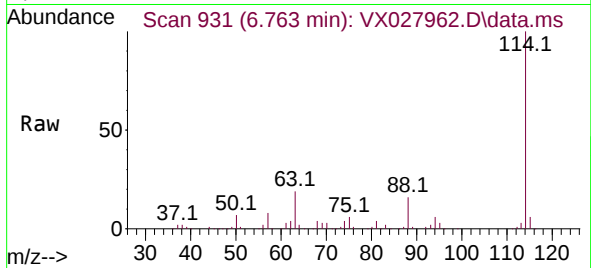




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

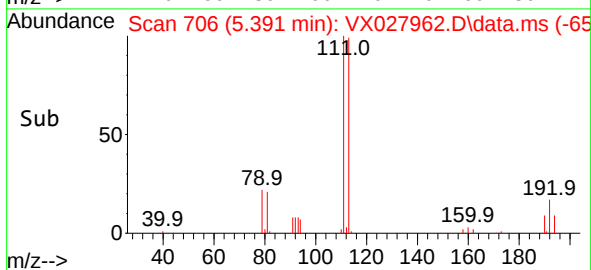
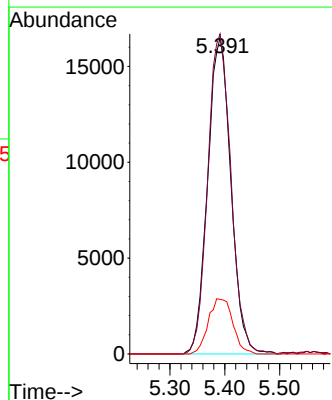
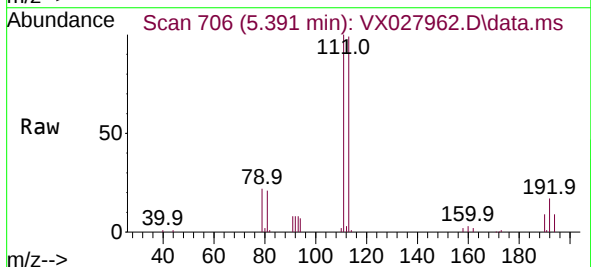
Instrument :  
MSVOA\_X  
ClientSampleId :

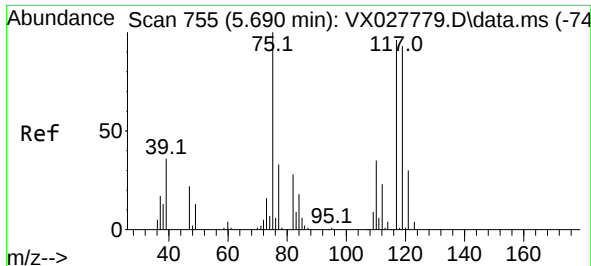
Tgt Ion:114 Resp: 150259  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 36.8  
88 16.4 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 50.036 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

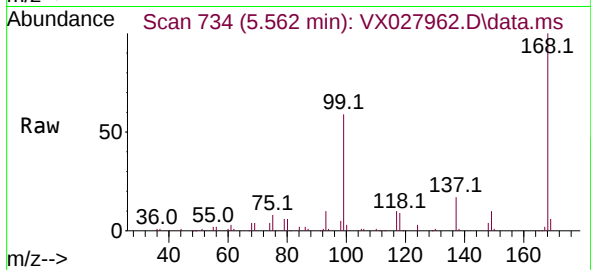
Tgt Ion:113 Resp: 48529  
Ion Ratio Lower Upper  
113 100  
111 101.0 82.8 124.2  
192 18.4 16.9 25.3



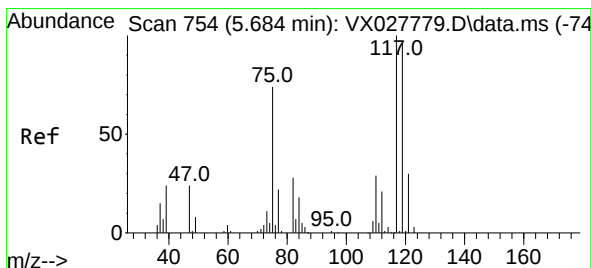
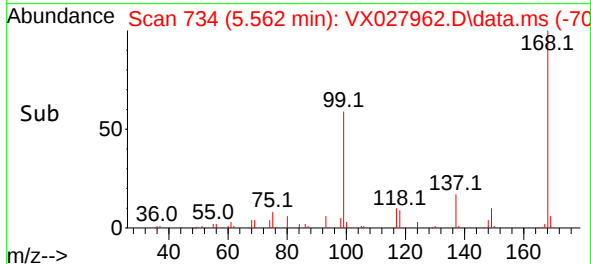
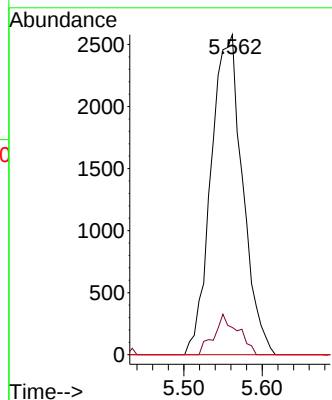


#36  
 1,1-Dichloropropene  
 Concen: 5.915 ug/l  
 RT: 5.562 min Scan# 711  
 Delta R.T. -0.128 min  
 Lab File: VX027962.D  
 Acq: 04 Apr 2022 16:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :

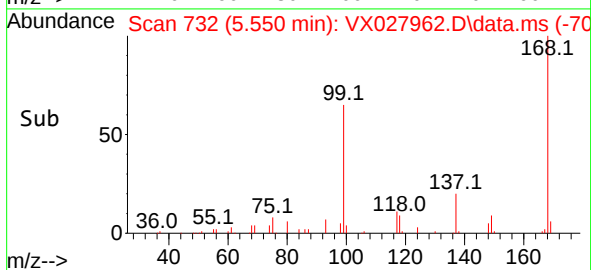
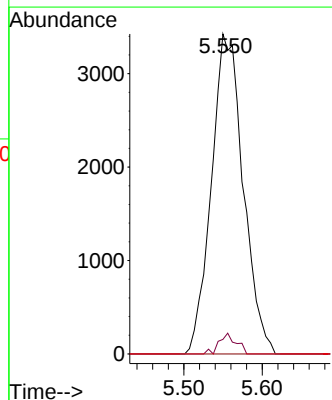
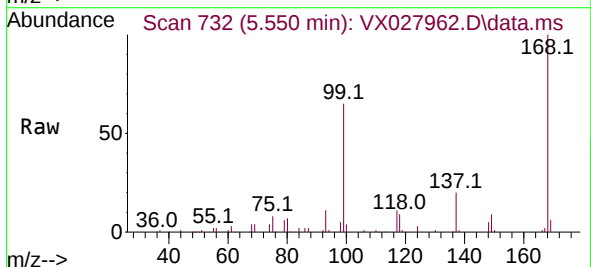


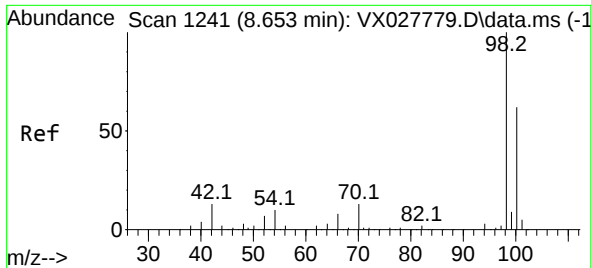
Tgt Ion: 75 Resp: 7226  
 Ion Ratio Lower Upper  
 75 100  
 110 9.6 18.3 54.8#  
 77 0.0 24.8 37.2#



#38  
 Carbon Tetrachloride  
 Concen: 7.150 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.134 min  
 Lab File: VX027962.D  
 Acq: 04 Apr 2022 16:57

Tgt Ion: 117 Resp: 9649  
 Ion Ratio Lower Upper  
 117 100  
 119 4.6 77.3 115.9#  
 121 0.0 24.2 36.2#

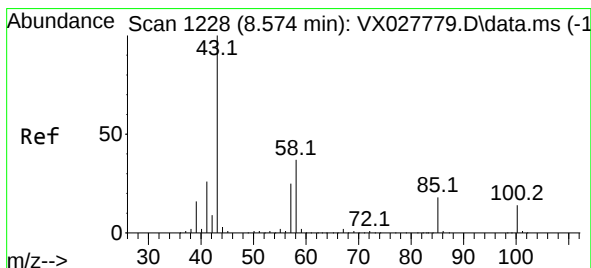
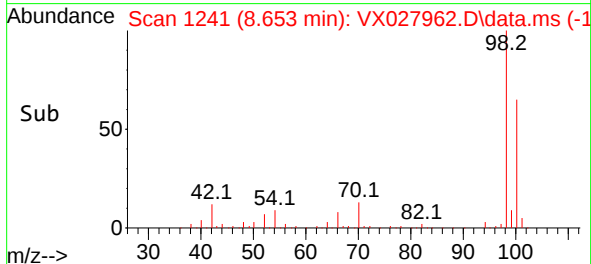
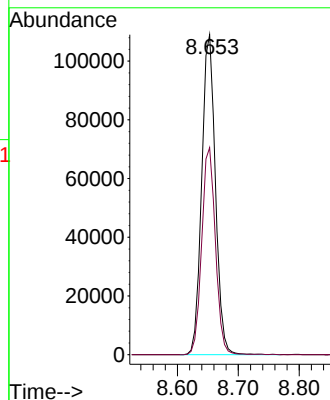
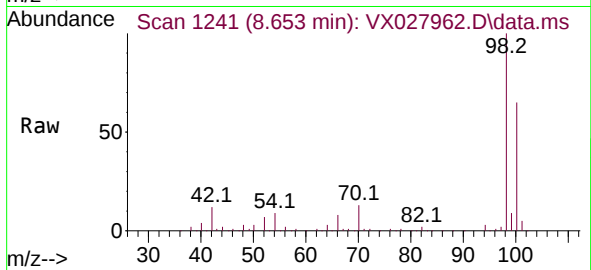




#50  
Toluene-d8  
Concen: 49.895 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

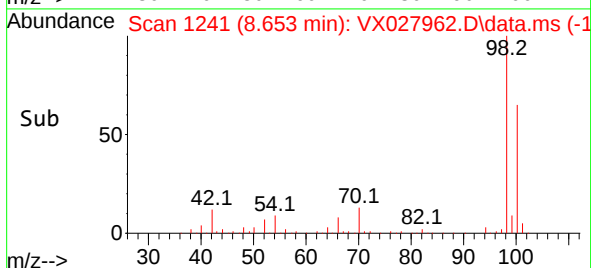
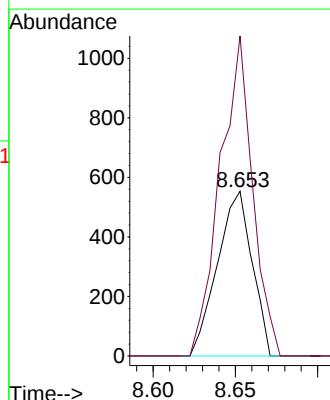
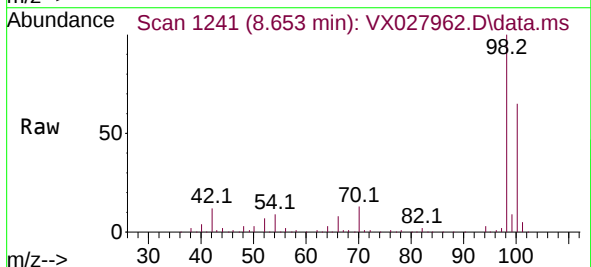
Instrument :  
MSVOA\_X  
ClientSampleId :

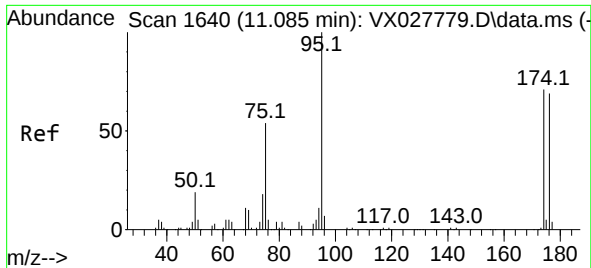
Tgt Ion: 98 Resp: 170266  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.6 78.8



#51  
4-Methyl-2-Pentanone  
Concen: 0.482 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

Tgt Ion: 43 Resp: 811  
Ion Ratio Lower Upper  
43 100  
58 181.9 36.1 54.1#

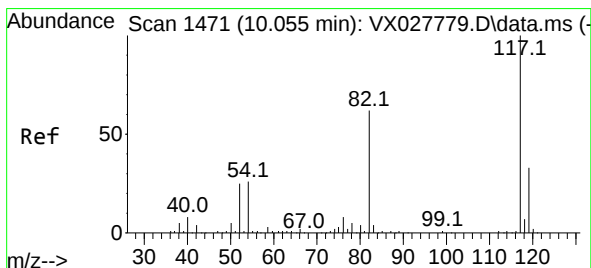
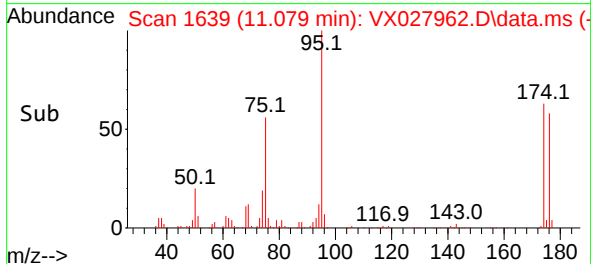
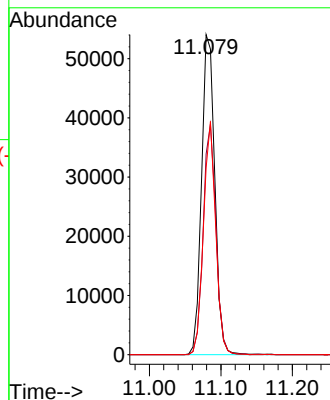
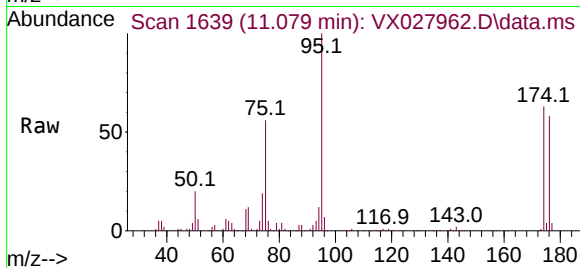




#62  
4-Bromofluorobenzene  
Concen: 47.891 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

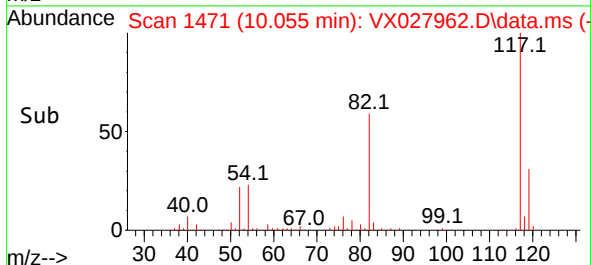
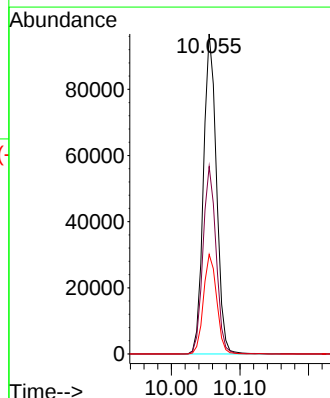
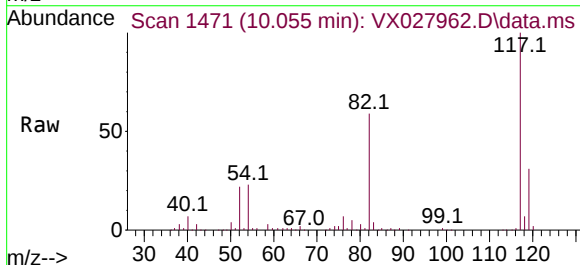
Instrument :  
MSVOA\_X  
ClientSampleId :

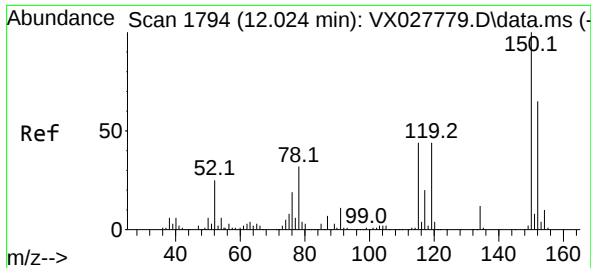
Tgt Ion: 95 Resp: 69451  
Ion Ratio Lower Upper  
95 100  
174 69.5 0.0 163.0  
176 67.6 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX027962.D  
Acq: 04 Apr 2022 16:57

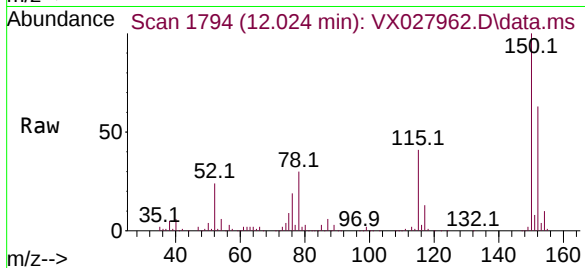
Tgt Ion: 117 Resp: 128210  
Ion Ratio Lower Upper  
117 100  
82 58.6 41.8 62.8  
119 31.1 24.8 37.2



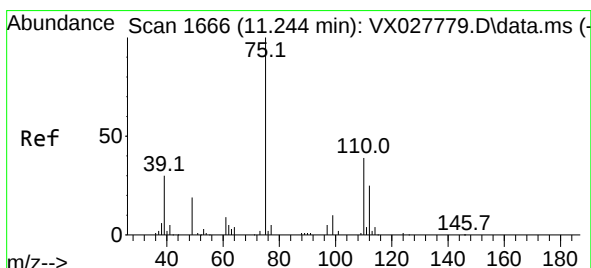
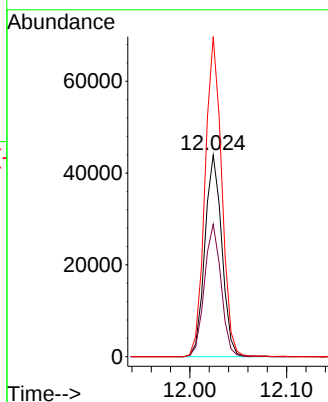
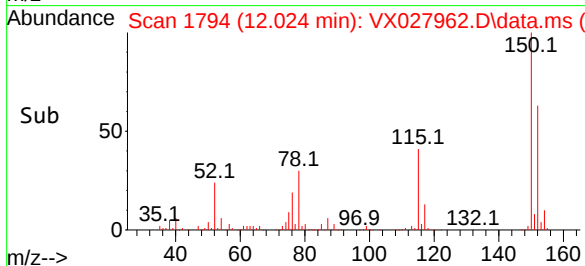


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX027962.D  
 Acq: 04 Apr 2022 16:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :

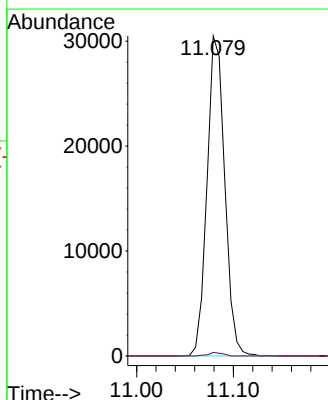
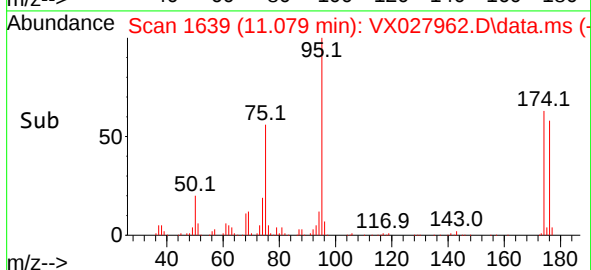
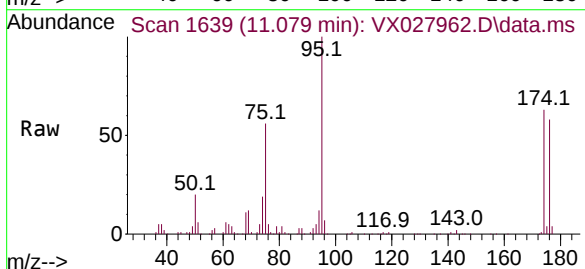


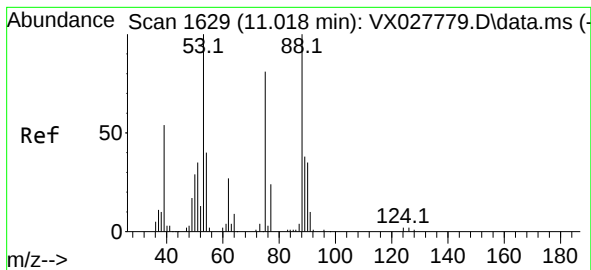
Tgt Ion:152 Resp: 53600  
 Ion Ratio Lower Upper  
 152 100  
 115 64.3 37.5 112.7  
 150 156.2 0.0 338.2



#76  
 1,2,3-Trichloropropane  
 Concen: 30.921 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.165 min  
 Lab File: VX027962.D  
 Acq: 04 Apr 2022 16:57

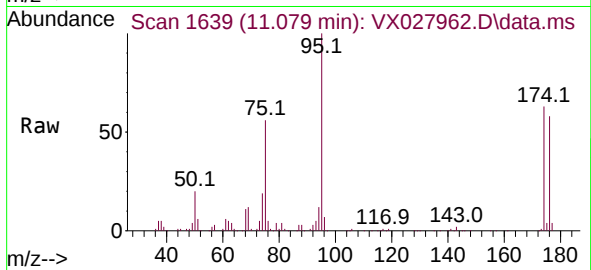
Tgt Ion: 75 Resp: 38879  
 Ion Ratio Lower Upper  
 75 100  
 77 0.9 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.959 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX027962.D  
 Acq: 04 Apr 2022 16:57

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 38879  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.1 37.0 55.6#

