

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100224\  
 Data File : VX043232.D  
 Acq On : 02 Oct 2024 15:31  
 Operator : JC/MD  
 Sample : P4221-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 02 23:04:32 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 02 16:50:57 2024  
 Response via : Initial Calibration

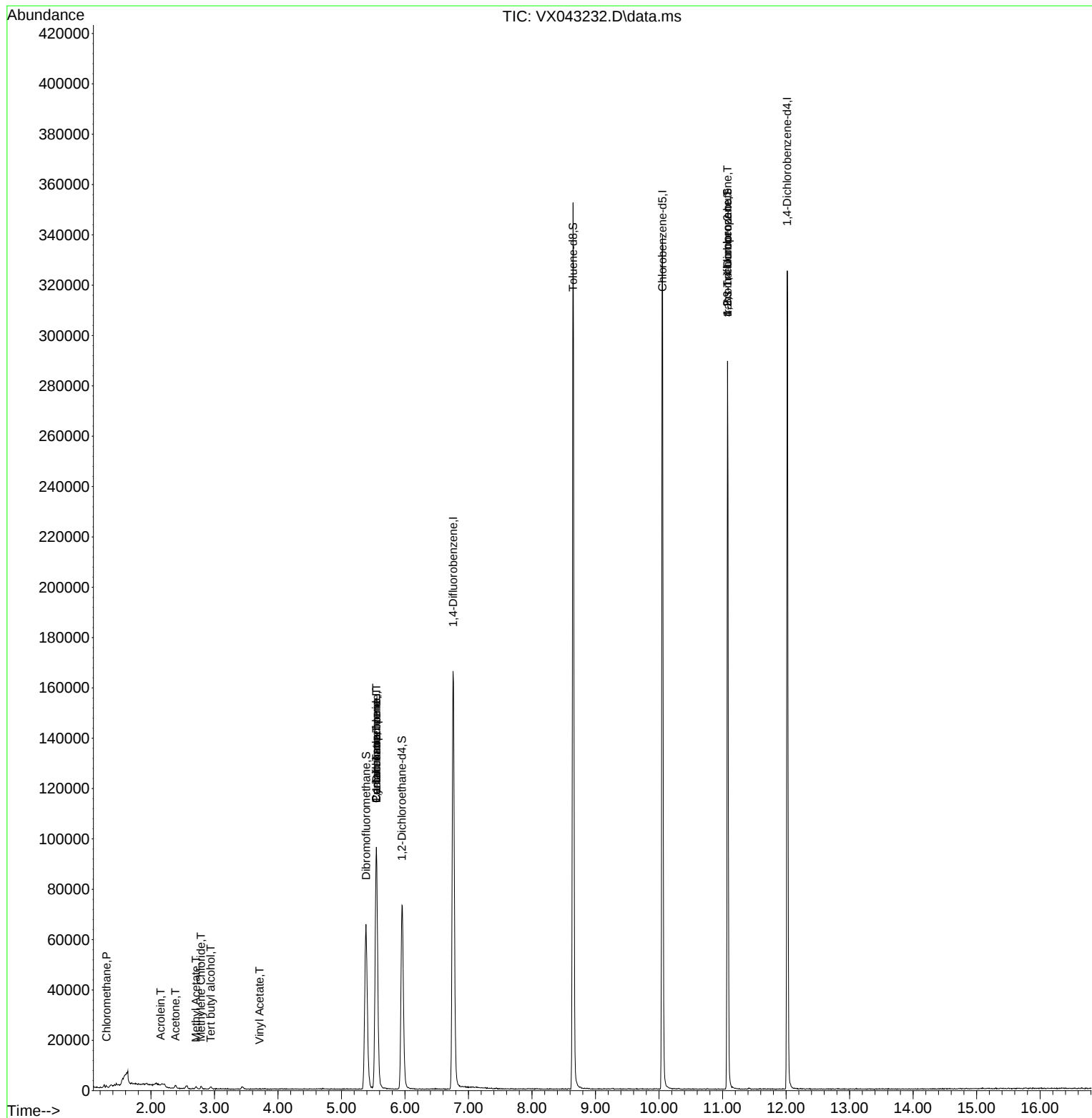
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 86471    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.757     | 114   | 169288   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 152576   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018    | 152   | 66517    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 75198    | 53.249   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 74 - 125 | Recovery | = 106.500% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 55933    | 47.909   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 95.820%  |          |
| 50) Toluene-d8                | 8.647     | 98    | 204476   | 50.540   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 86 - 113 | Recovery | = 101.080% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 75659    | 51.475   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 77 - 121 | Recovery | = 102.940% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.300     | 50    | 623      | 0.601    | ug/l       | 99       |
| 11) Tert butyl alcohol        | 2.940     | 59    | 225      | 0.837    | ug/l #     | 71       |
| 13) Acrolein                  | 2.154     | 56    | 61       | 0.240    | ug/l #     | 1        |
| 16) Acetone                   | 2.386     | 43    | 1401     | 2.376    | ug/l       | 100      |
| 18) Methyl Acetate            | 2.709     | 43    | 1120     | 0.757    | ug/l       | 96       |
| 20) Methylene Chloride        | 2.788     | 84    | 456      | 0.419    | ug/l #     | 77       |
| 23) Vinyl Acetate             | 3.709     | 43    | 19       | 6.344    | ug/l #     | 71       |
| 31) Cyclohexane               | 5.550     | 56    | 2066     | 1.356    | ug/l #     | 15       |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 7589     | 5.145    | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 9677     | 5.542    | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 41018    | 27.801   | ug/l #     | 34       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 41018    | 72.050   | ug/l #     | 8        |
| -----                         |           |       |          |          |            |          |

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

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Sample : P4221-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

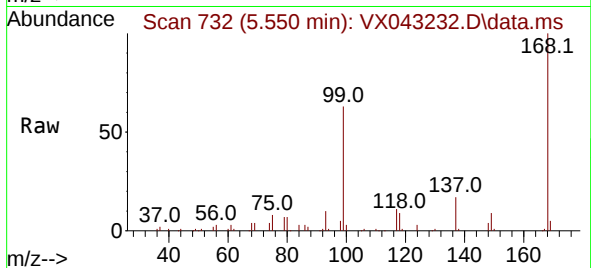
Quant Time: Oct 02 23:04:32 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100124W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 02 16:50:57 2024  
Response via : Initial Calibration



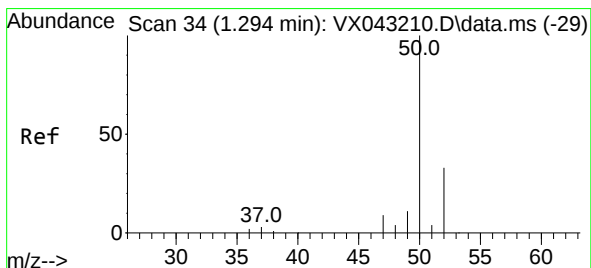
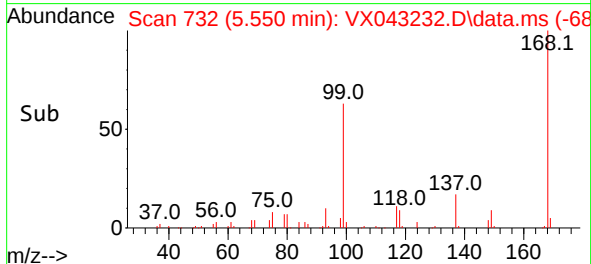
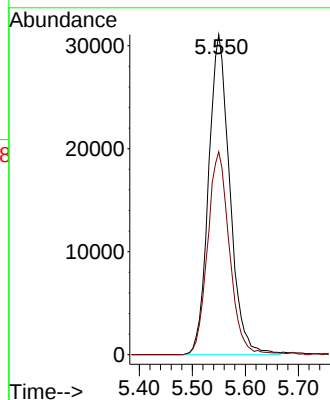


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :

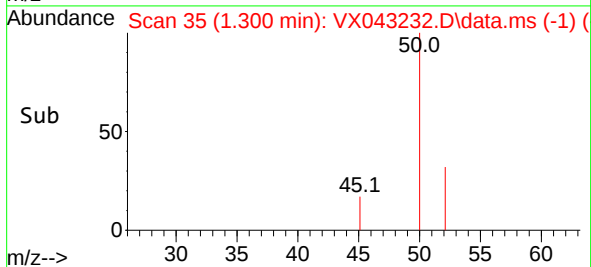
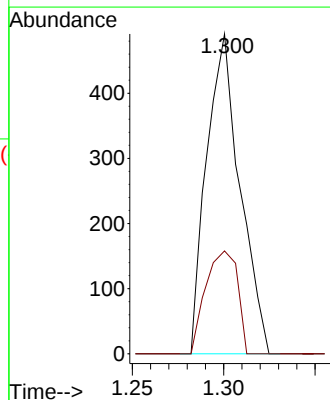
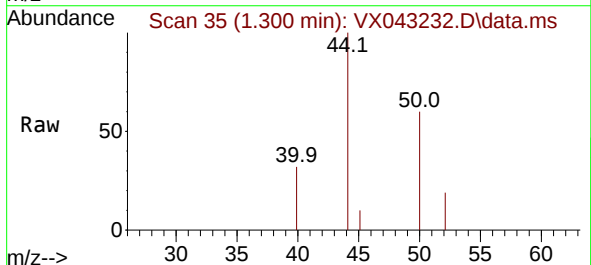


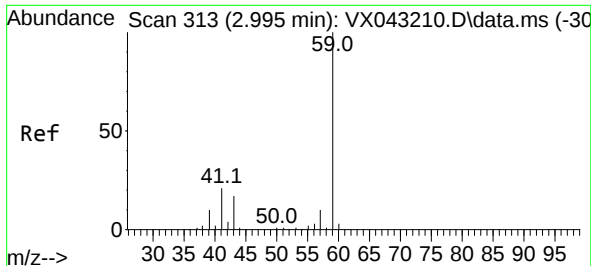
Tgt Ion:168 Resp: 86471  
Ion Ratio Lower Upper  
168 100  
99 63.4 49.7 74.5



#3  
Chloromethane  
Concen: 0.601 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Tgt Ion: 50 Resp: 623  
Ion Ratio Lower Upper  
50 100  
52 32.2 26.1 39.1





#11

Tert butyl alcohol

Concen: 0.837 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.055 min

Lab File: VX043232.D

Acq: 02 Oct 2024 15:31

Instrument :

MSVOA\_X

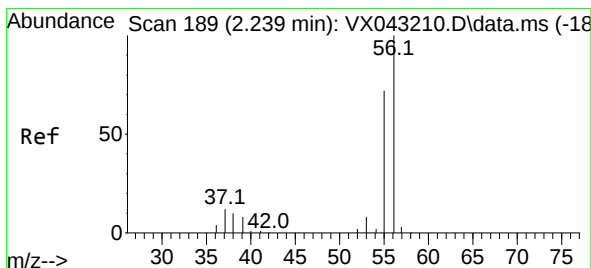
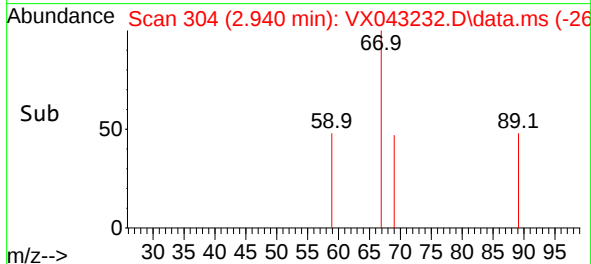
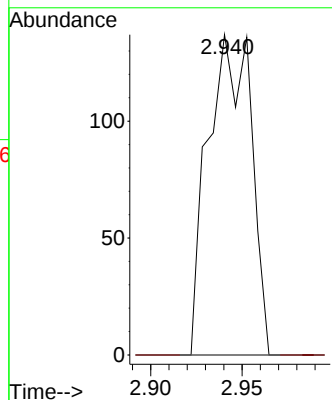
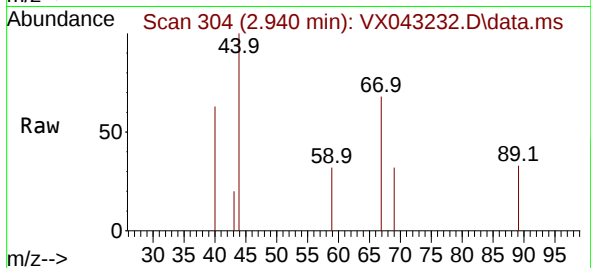
ClientSampleId :

Tgt Ion: 59 Resp: 225

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#13

Acrolein

Concen: 0.240 ug/l

RT: 2.154 min Scan# 175

Delta R.T. -0.086 min

Lab File: VX043232.D

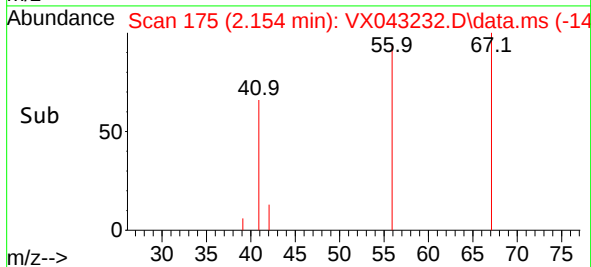
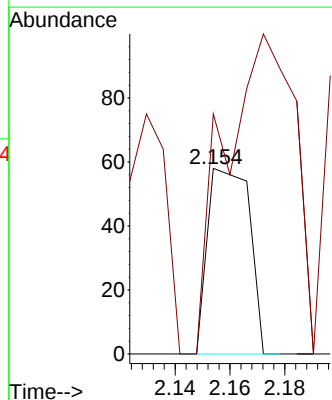
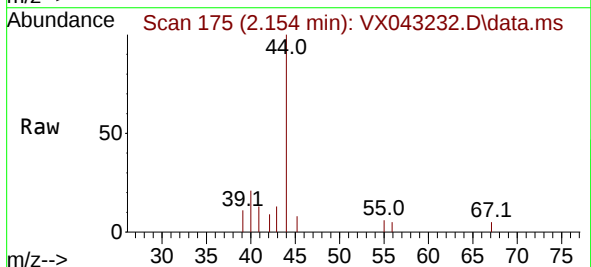
Acq: 02 Oct 2024 15:31

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 288.5 57.4 86.0#

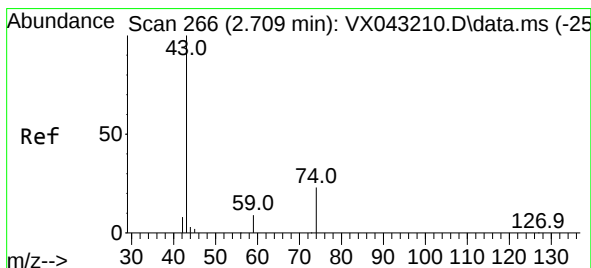
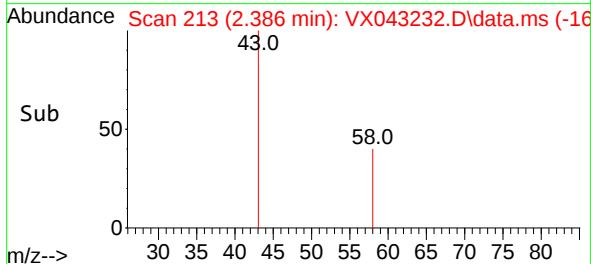
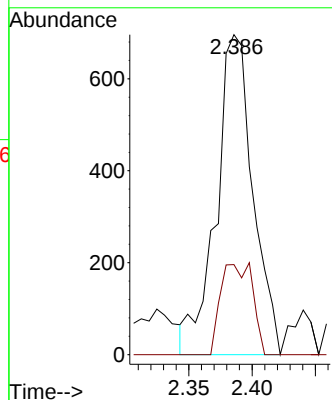
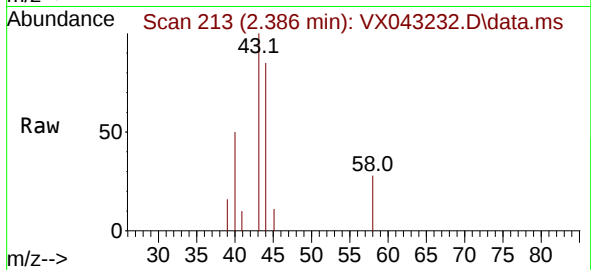




#16  
Acetone  
Concen: 2.376 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

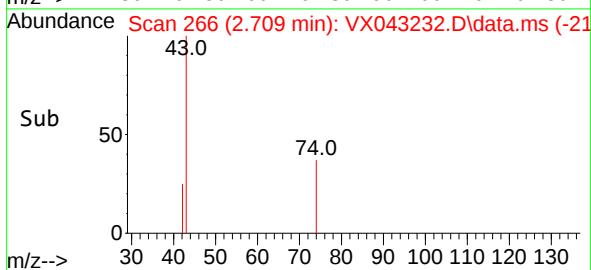
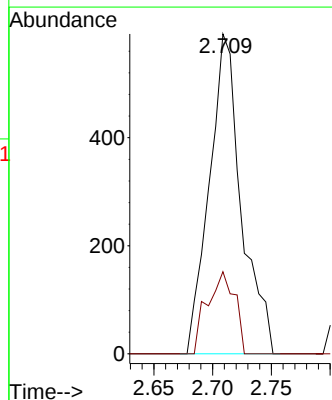
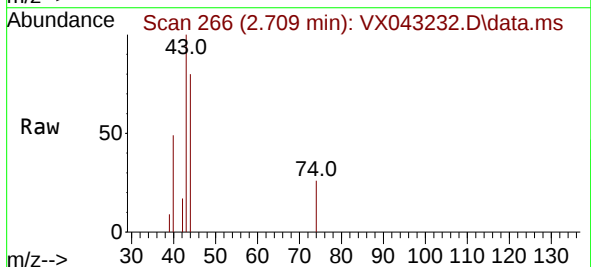
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 43 Resp: 1401  
Ion Ratio Lower Upper  
43 100  
58 28.2 22.6 33.8



#18  
Methyl Acetate  
Concen: 0.757 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

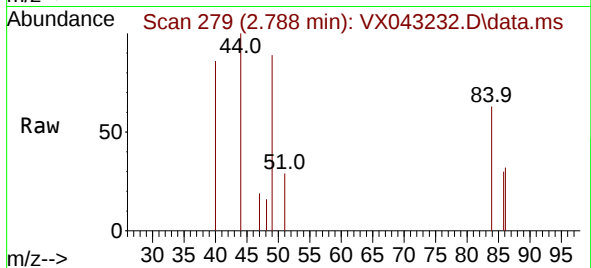
Tgt Ion: 43 Resp: 1120  
Ion Ratio Lower Upper  
43 100  
74 22.1 19.1 28.7



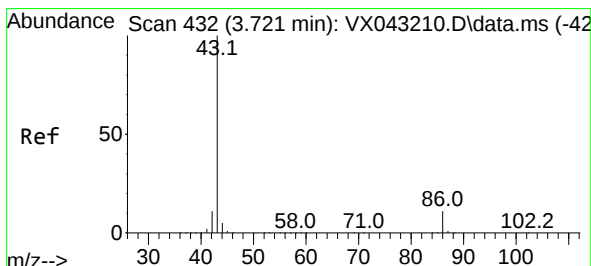
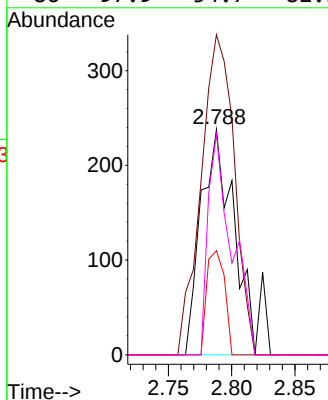
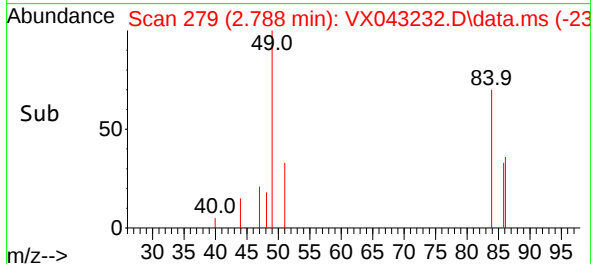


#20  
Methylene Chloride  
Concen: 0.419 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :

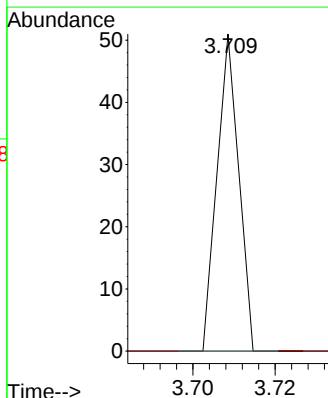
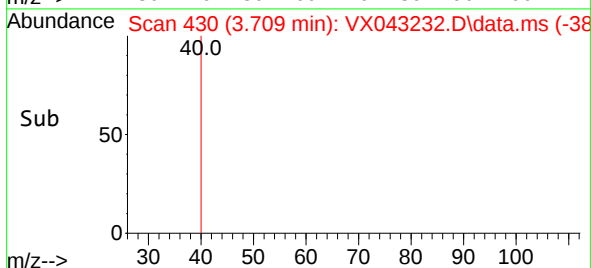
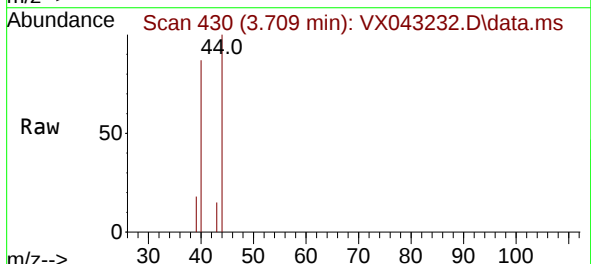


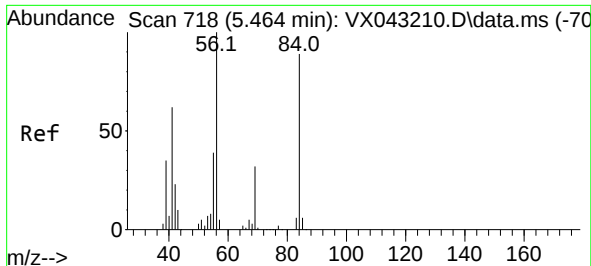
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 456   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 142.0 | 96.7  | 145.1 |
| 51       | 46.2  | 30.4  | 45.6# |
| 86       | 97.9  | 54.7  | 82.1# |



#23  
Vinyl Acetate  
Concen: 6.344 ug/l  
RT: 3.709 min Scan# 430  
Delta R.T. -0.012 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

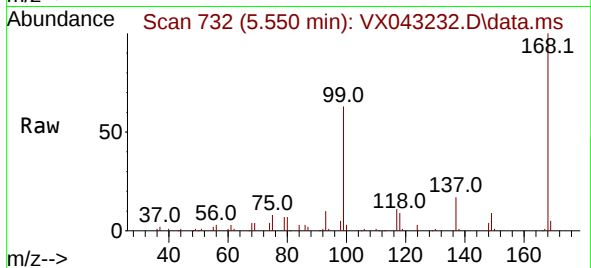
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 19    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 8.8   | 13.2# |



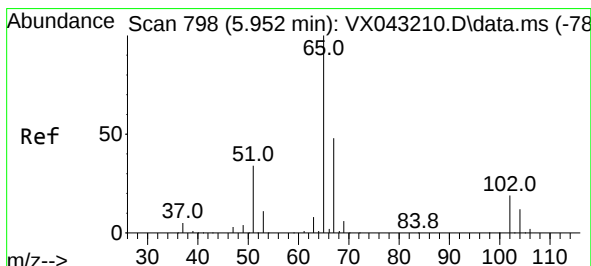
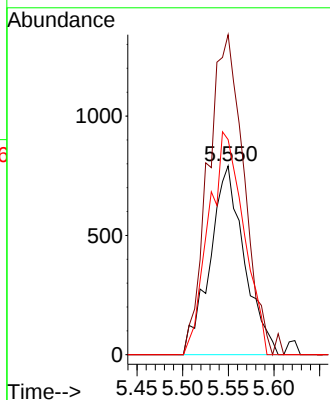
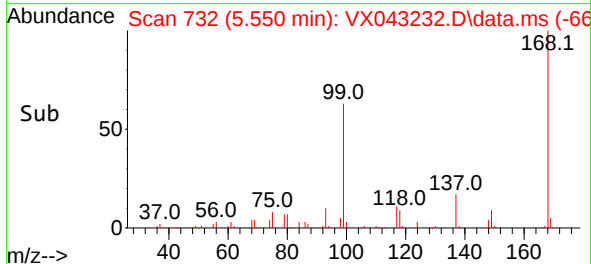


#31  
Cyclohexane  
Concen: 1.356 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. 0.085 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :

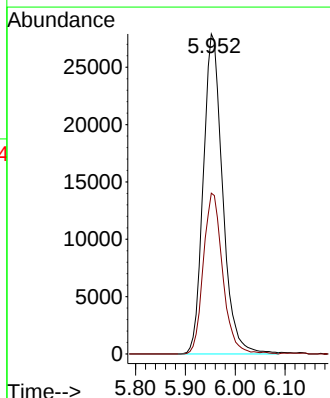
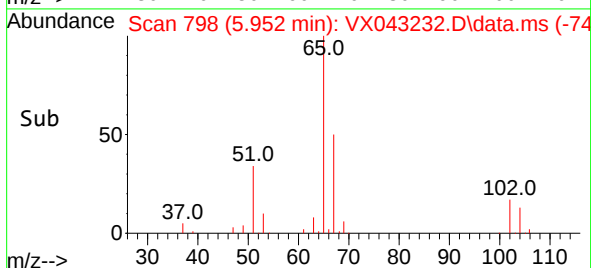
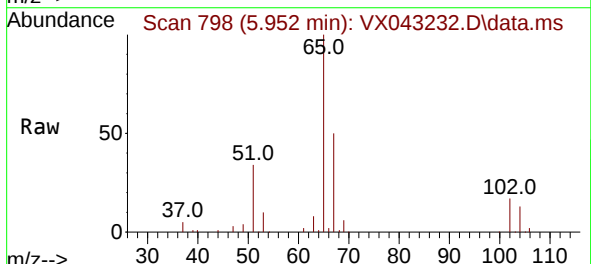


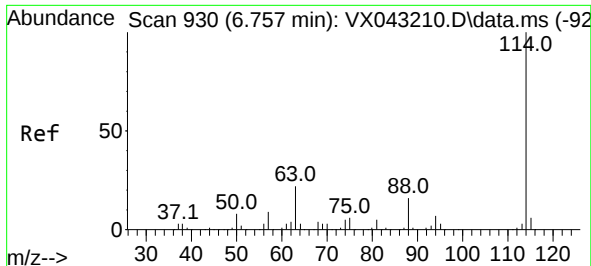
Tgt Ion: 56 Resp: 2066  
Ion Ratio Lower Upper  
56 100  
69 169.5 25.8 38.6#  
84 113.9 71.1 106.7#



#33  
1,2-Dichloroethane-d4  
Concen: 53.249 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Tgt Ion: 65 Resp: 75198  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 99.0

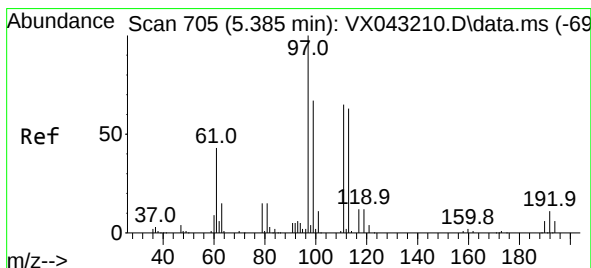
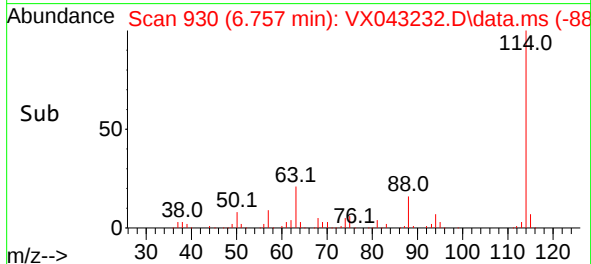
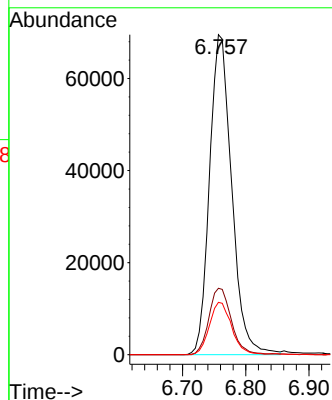
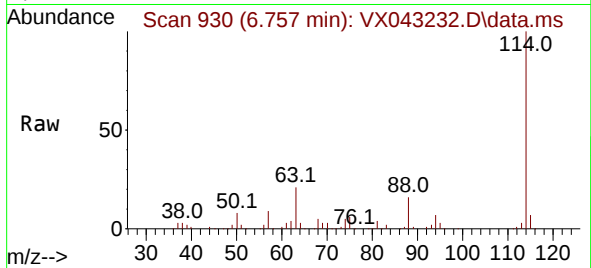




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

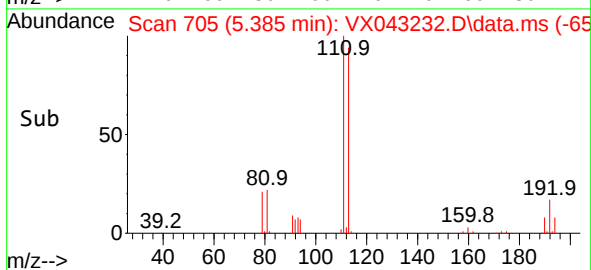
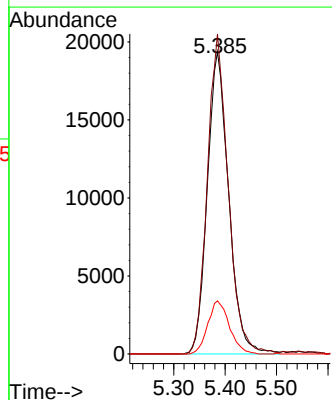
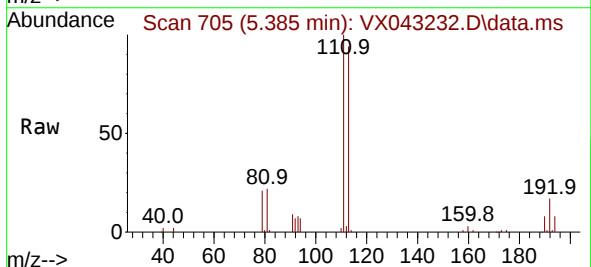
Instrument :  
MSVOA\_X  
ClientSampleId :

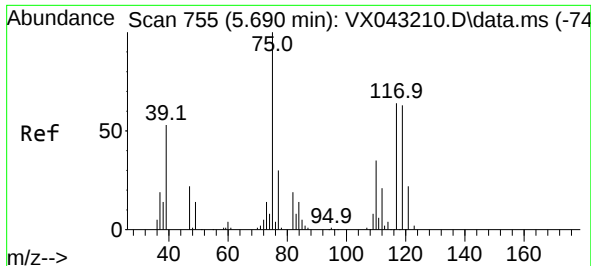
Tgt Ion:114 Resp: 169288  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 43.0  
88 16.4 0.0 33.0



#35  
Dibromofluoromethane  
Concen: 47.909 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

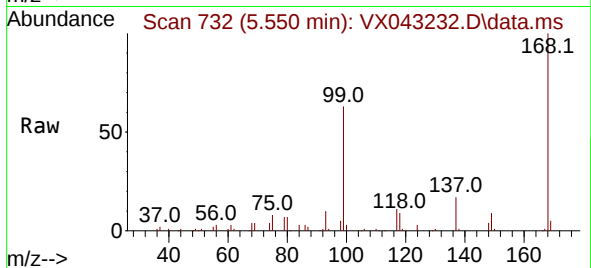
Tgt Ion:113 Resp: 55933  
Ion Ratio Lower Upper  
113 100  
111 103.4 83.4 125.0  
192 17.7 14.1 21.1



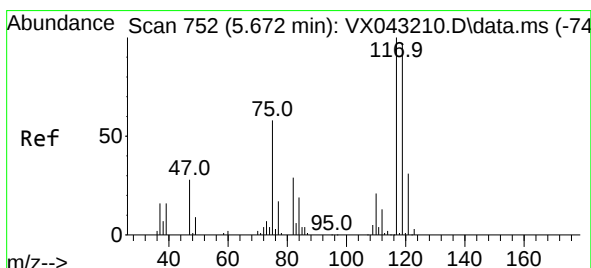
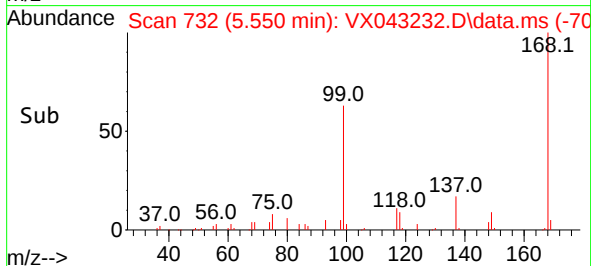
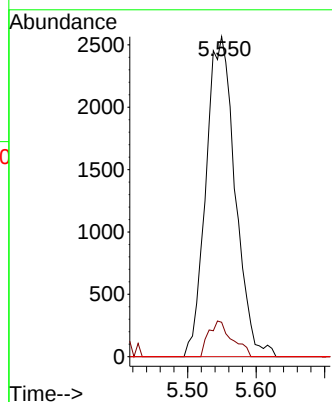


#36  
 1,1-Dichloropropene  
 Concen: 5.145 ug/l  
 RT: 5.550 min Scan# 712  
 Delta R.T. -0.140 min  
 Lab File: VX043232.D  
 Acq: 02 Oct 2024 15:31

Instrument :  
 MSVOA\_X  
 ClientSampleId :

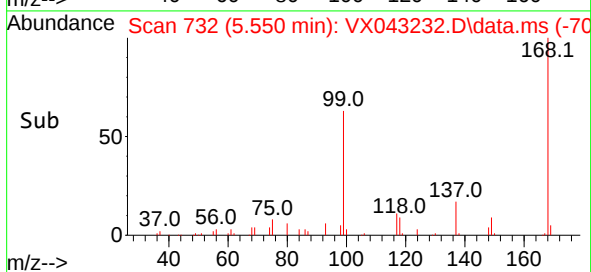
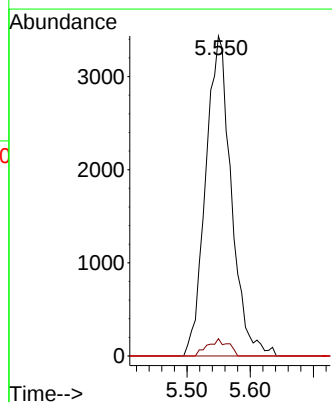
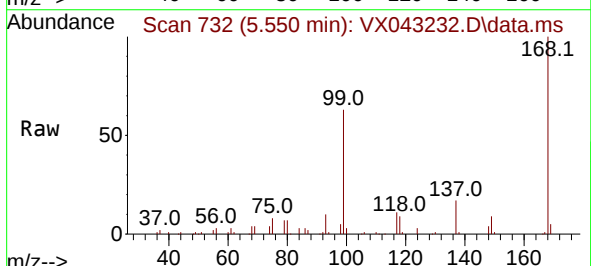


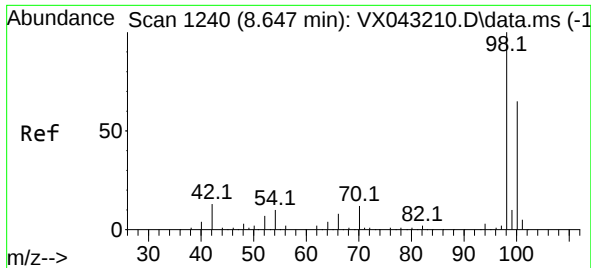
Tgt Ion: 75 Resp: 7589  
 Ion Ratio Lower Upper  
 75 100  
 110 8.9 17.8 53.3#  
 77 0.0 24.9 37.3#



#38  
 Carbon Tetrachloride  
 Concen: 5.542 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.122 min  
 Lab File: VX043232.D  
 Acq: 02 Oct 2024 15:31

Tgt Ion: 117 Resp: 9677  
 Ion Ratio Lower Upper  
 117 100  
 119 5.4 77.7 116.5#  
 121 0.0 24.3 36.5#

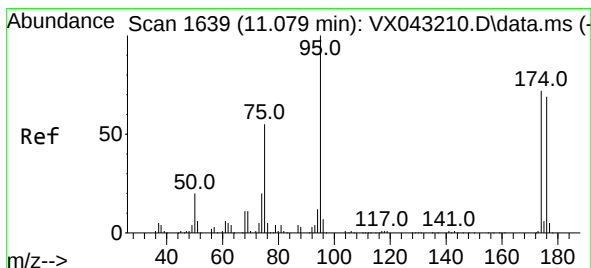
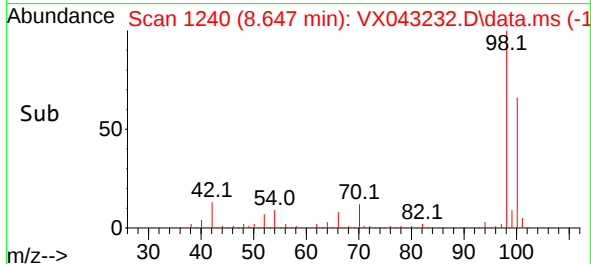
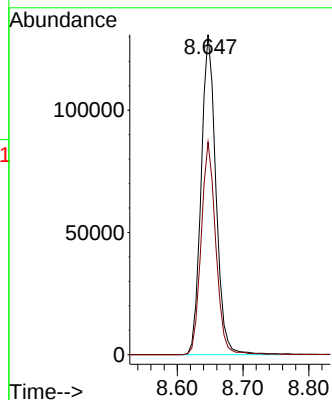
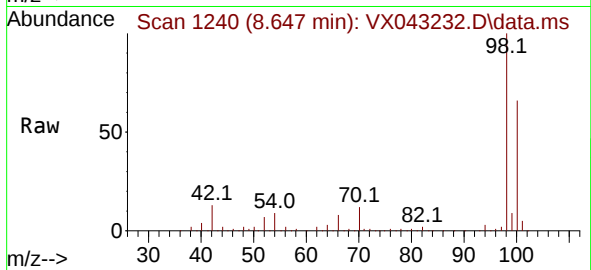




#50  
Toluene-d8  
Concen: 50.540 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

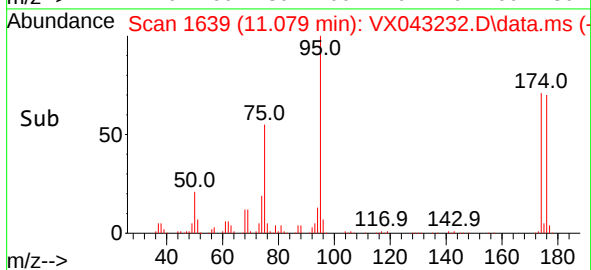
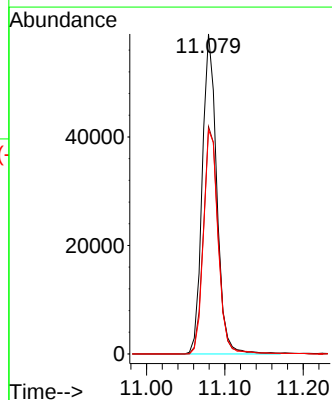
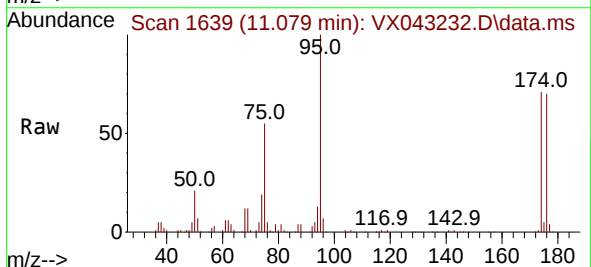
Instrument :  
MSVOA\_X  
ClientSampleId :

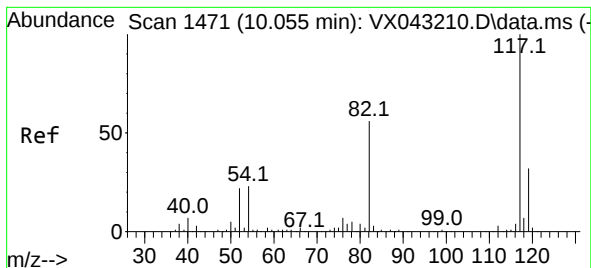
Tgt Ion: 98 Resp: 204476  
Ion Ratio Lower Upper  
98 100  
100 66.0 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 51.475 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Tgt Ion: 95 Resp: 75659  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 145.0  
176 70.9 0.0 143.0

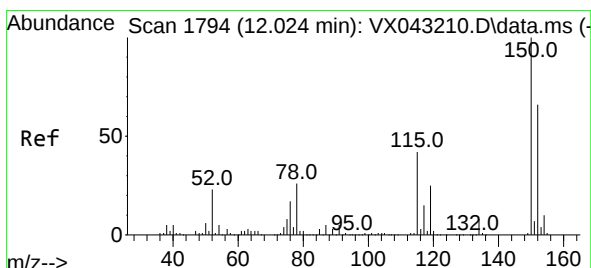
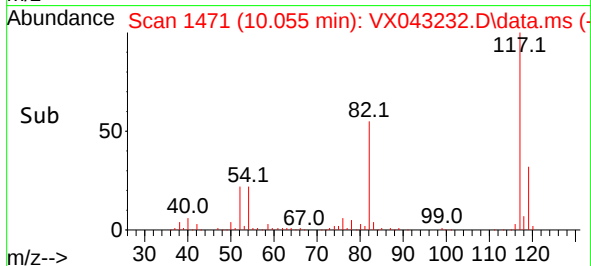
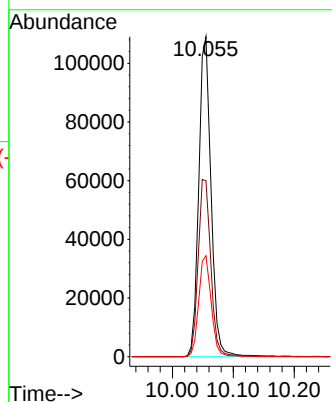
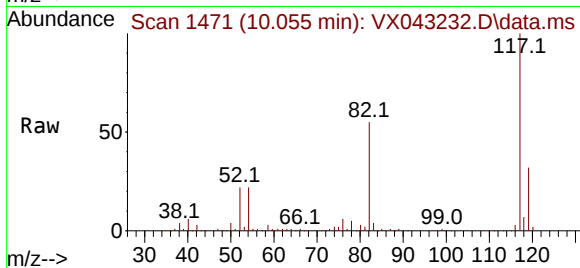




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

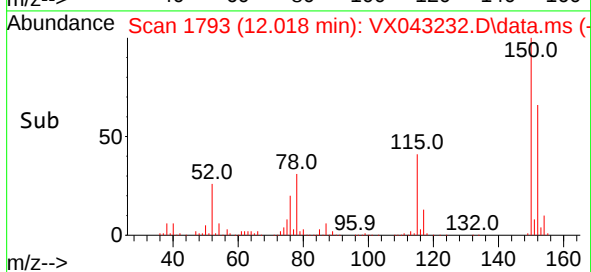
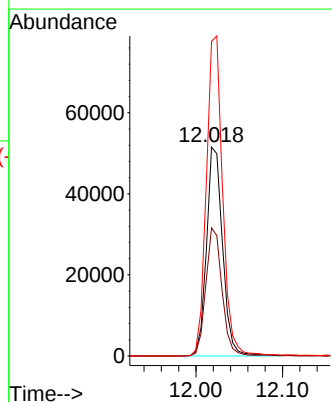
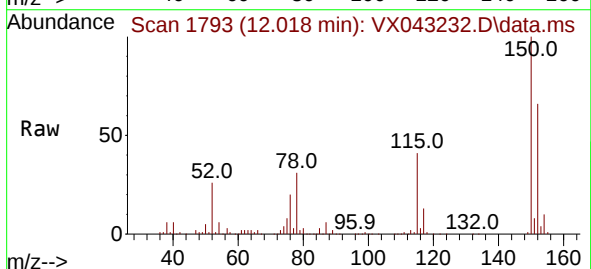
Instrument :  
MSVOA\_X  
ClientSampleId :

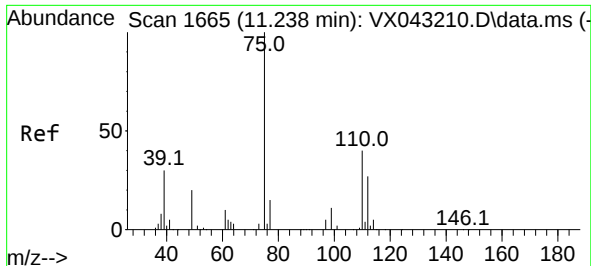
Tgt Ion:117 Resp: 152576  
Ion Ratio Lower Upper  
117 100  
82 55.0 45.0 67.6  
119 31.5 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Tgt Ion:152 Resp: 66517  
Ion Ratio Lower Upper  
152 100  
115 61.5 44.1 132.3  
150 155.9 0.0 347.4

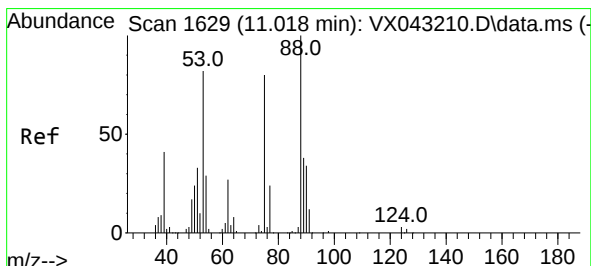
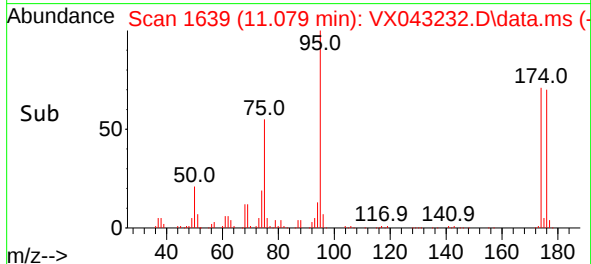
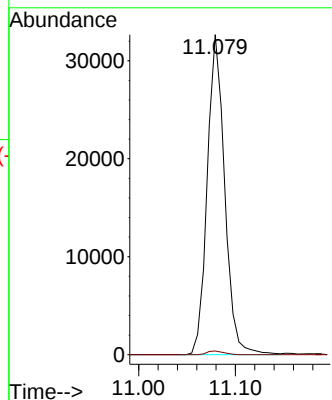
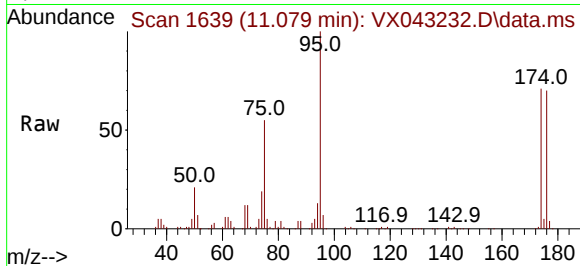




#76  
1,2,3-Trichloropropane  
Concen: 27.801 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.159 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 75 Resp: 41018  
Ion Ratio Lower Upper  
75 100  
77 1.1 22.0 66.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 72.050 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX043232.D  
Acq: 02 Oct 2024 15:31

Tgt Ion: 75 Resp: 41018  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.9 125.9#  
89 0.0 38.6 58.0#

