

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102523\  
 Data File : VX038506.D  
 Acq On : 26 Oct 2023 08:16  
 Operator : JC/MD  
 Sample : 05049-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Oct 26 09:10:45 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 05 15:27:13 2023  
 Response via : Initial Calibration

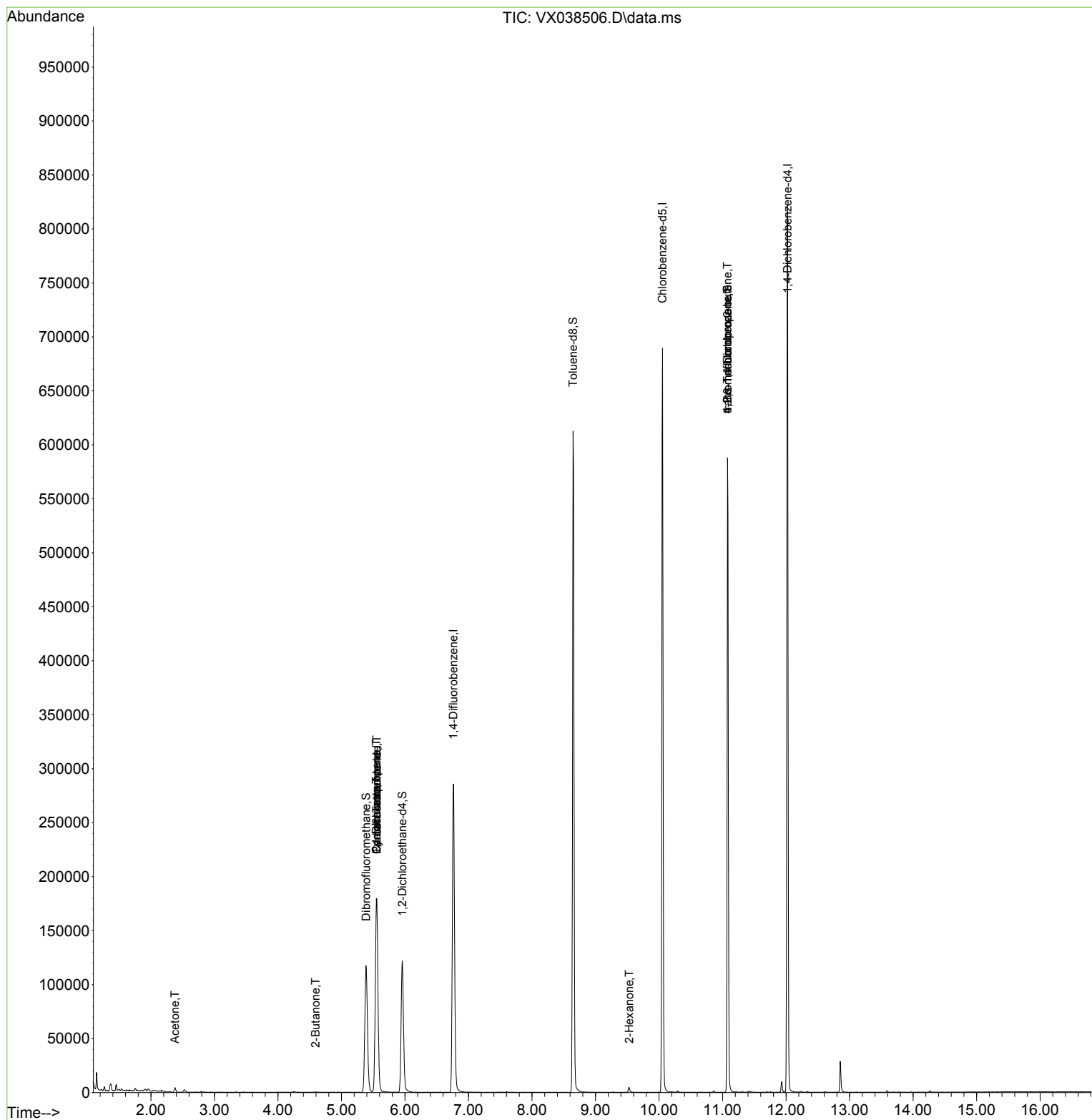
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 180748   | 50.000    | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 308042   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 320660   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 181333   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 114018   | 39.219    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery  | =      | 78.440%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 102616   | 46.231    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 92.460%  |
| 50) Toluene-d8                | 8.647  | 98    | 374366   | 44.138    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery  | =      | 88.280%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 151615   | 47.151    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 94.300%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           |        | Qvalue   |
| 5) Bromomethane               | 1.618  | 94    | 85       | Below Cal |        | 99       |
| 6) Chloroethane               | 1.685  | 64    | 62       | Below Cal | #      | 43       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 184      | Below Cal | #      | 78       |
| 16) Acetone                   | 2.380  | 43    | 4557     | 3.756     | ug/l # | 87       |
| 25) 2-Butanone                | 4.593  | 43    | 725      | 0.370     | ug/l # | 51       |
| 31) Cyclohexane               | 5.550  | 56    | 3604     | 1.144     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 13107    | 4.282     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.556  | 117   | 18105    | 6.013     | ug/l # | 16       |
| 59) 2-Hexanone                | 9.531  | 43    | 781      | 0.260     | ug/l # | 31       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 78890    | 19.137    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 78890    | 55.405    | ug/l # | 5        |
| -----                         |        |       |          |           |        |          |

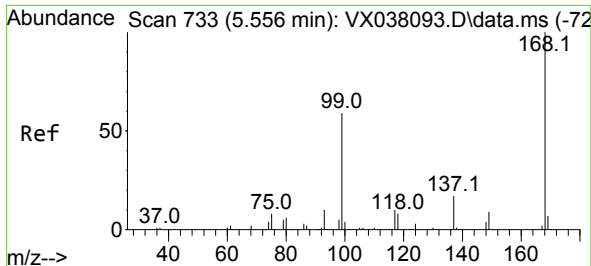
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 05049-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

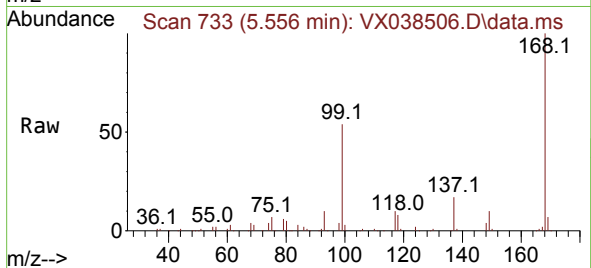
Quant Time: Oct 26 09:10:45 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100523W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 05 15:27:13 2023  
Response via : Initial Calibration



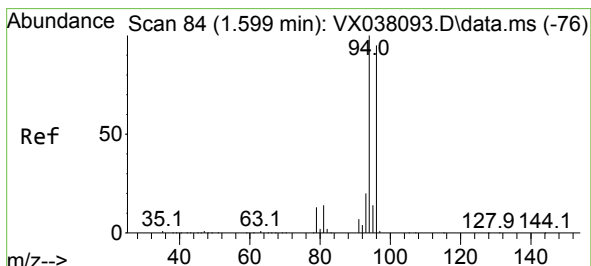
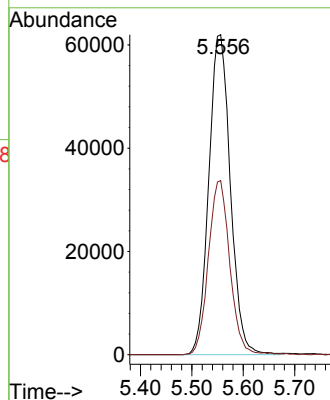
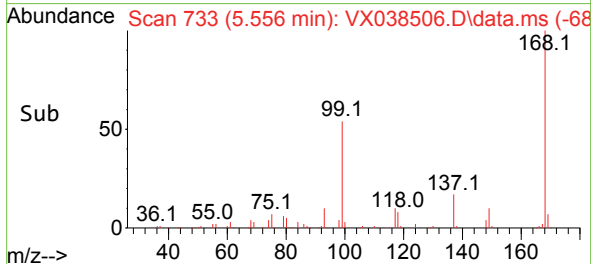


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Instrument :  
MSVOA\_X  
ClientSampleId :

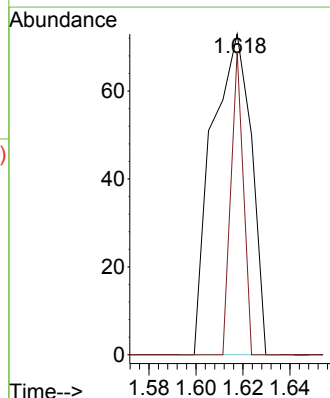
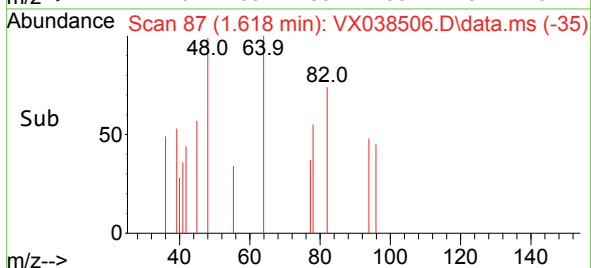
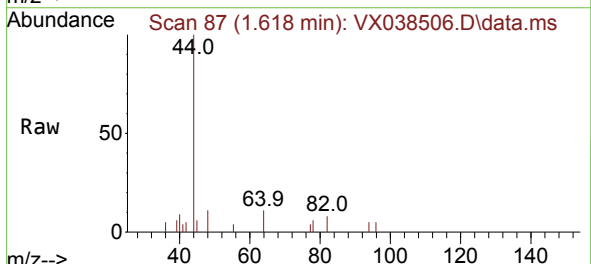


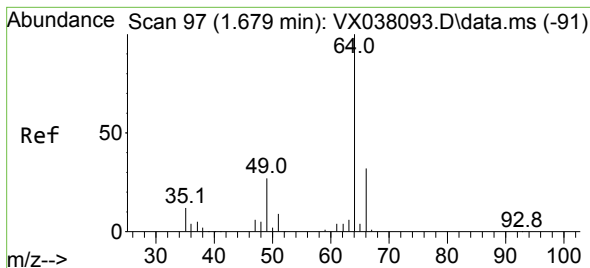
Tgt Ion:168 Resp: 180748  
Ion Ratio Lower Upper  
168 100  
99 54.4 56.6 85.0#



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Tgt Ion: 94 Resp: 85  
Ion Ratio Lower Upper  
94 100  
96 94.5 74.6 111.8

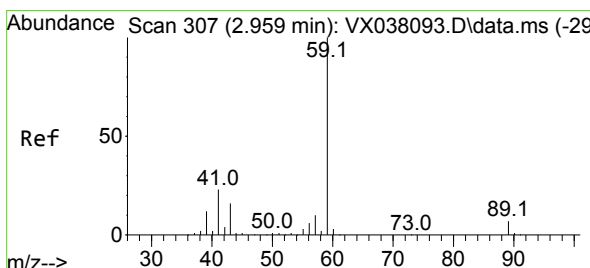
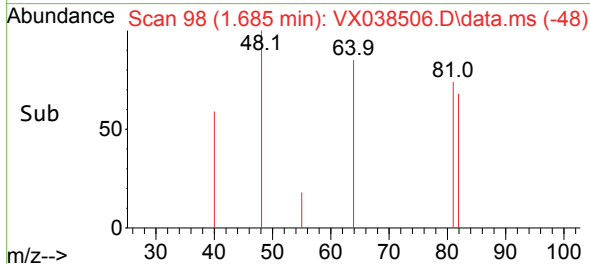
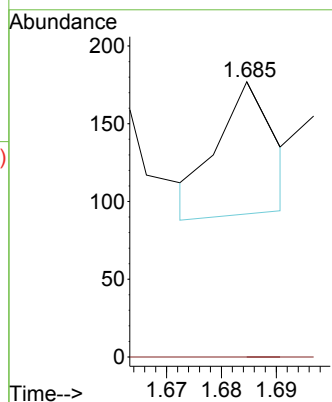
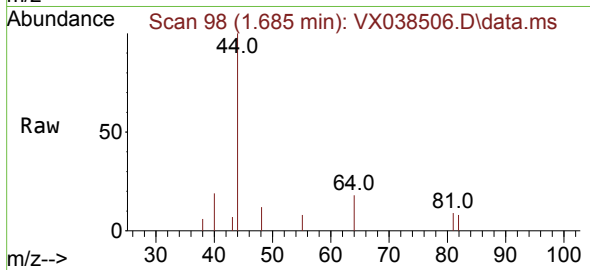




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.685 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

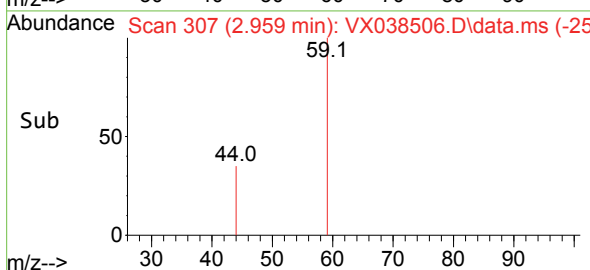
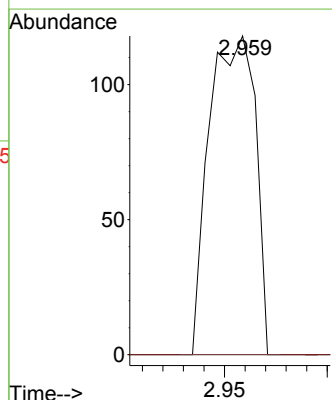
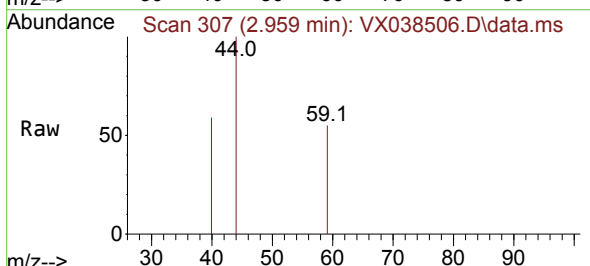
Instrument :  
MSVOA\_X  
ClientSampleId :

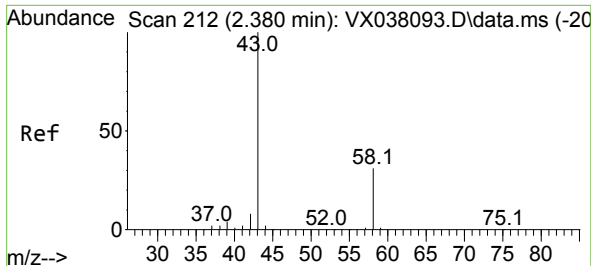
Tgt Ion: 64 Resp: 62  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.959 min Scan# 307  
Delta R.T. -0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Tgt Ion: 59 Resp: 184  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

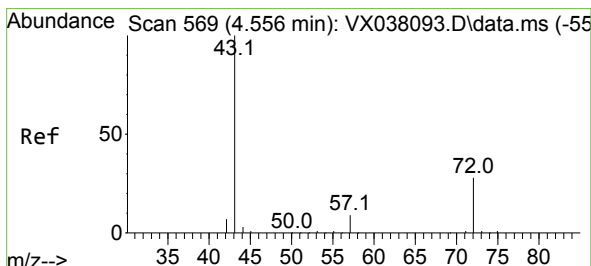
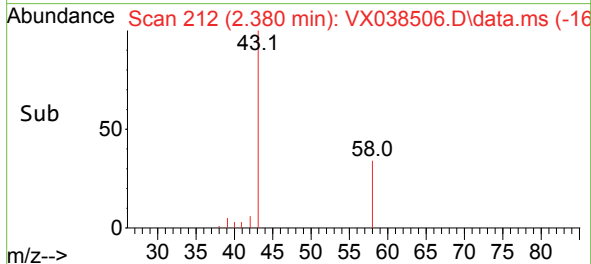
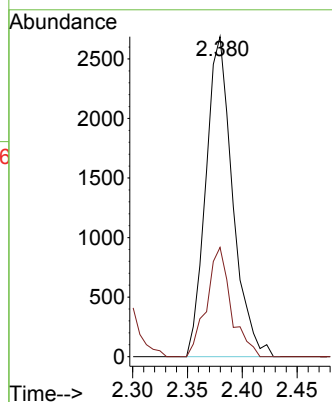
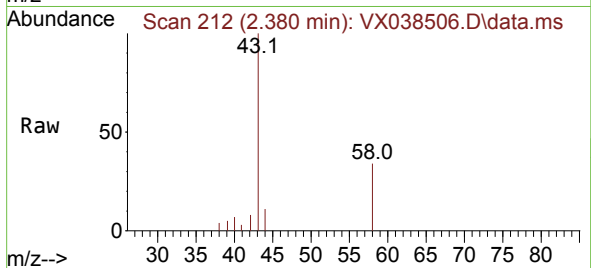




#16  
Acetone  
Concen: 3.756 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

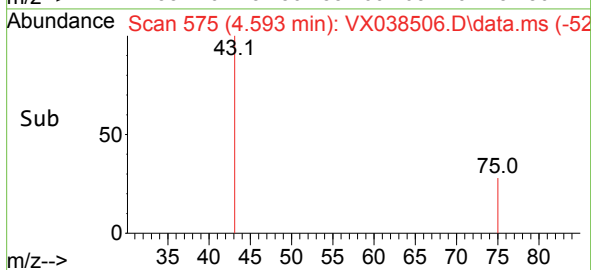
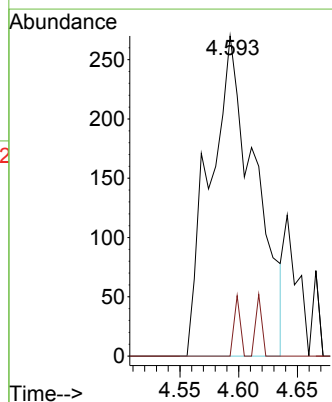
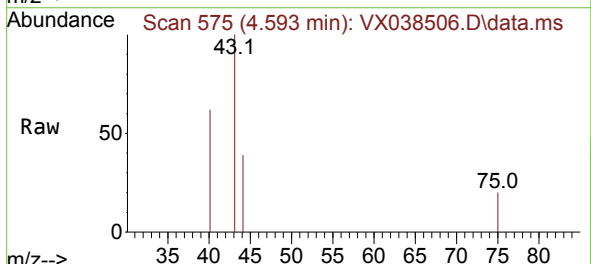
Instrument :  
MSVOA\_X  
ClientSampleId :

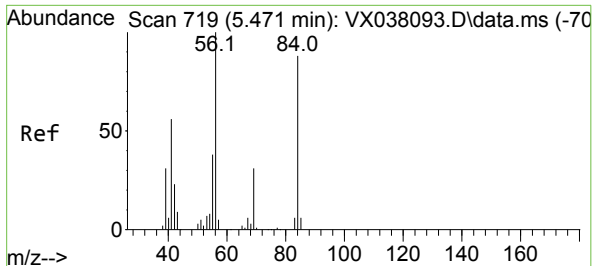
Tgt Ion: 43 Resp: 4557  
Ion Ratio Lower Upper  
43 100  
58 34.1 21.9 32.9#



#25  
2-Butanone  
Concen: 0.370 ug/l  
RT: 4.593 min Scan# 575  
Delta R.T. 0.037 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

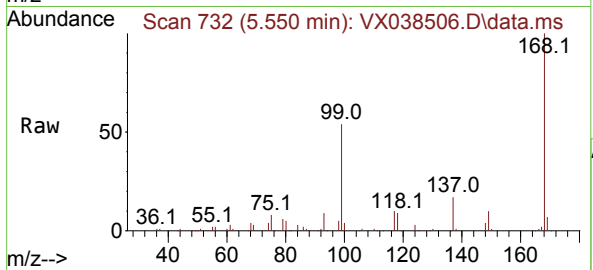
Tgt Ion: 43 Resp: 725  
Ion Ratio Lower Upper  
43 100  
72 0.0 19.4 29.2#



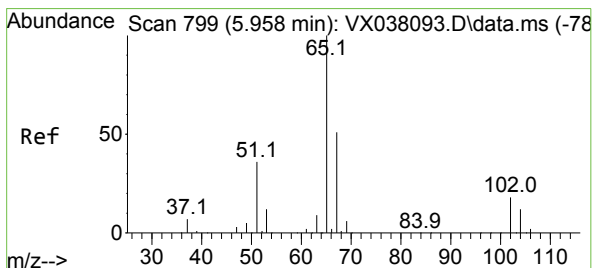
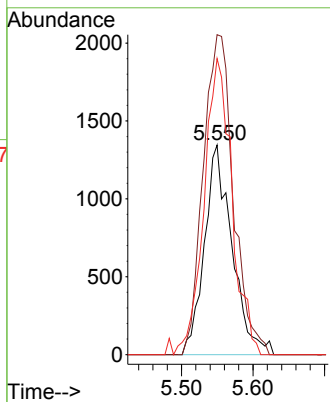
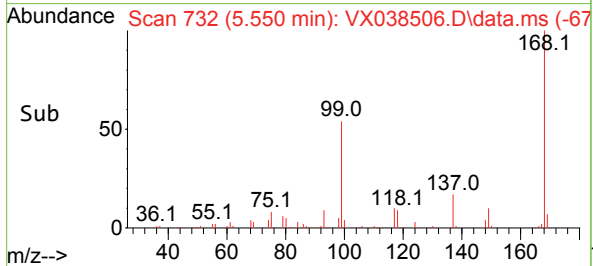


#31  
Cyclohexane  
Concen: 1.144 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Instrument :  
MSVOA\_X  
ClientSampleId :

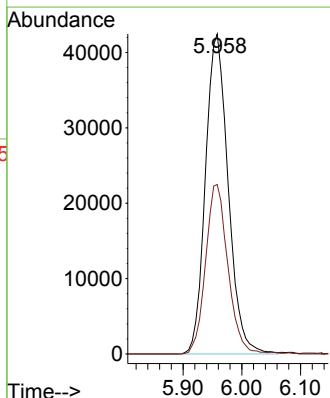
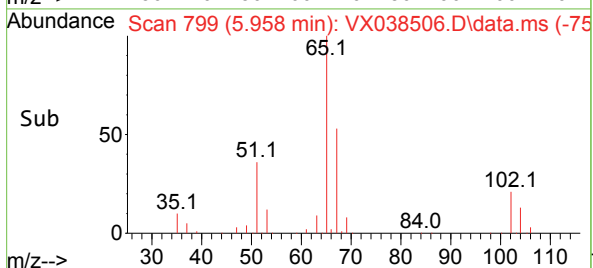
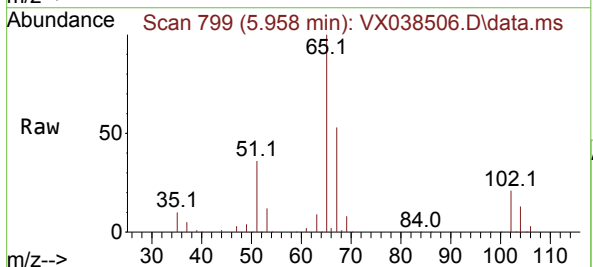


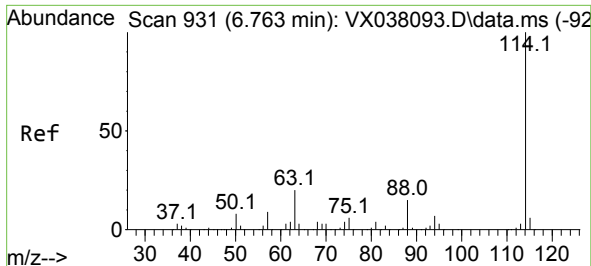
Tgt Ion: 56 Resp: 3604  
Ion Ratio Lower Upper  
56 100  
69 152.7 23.4 35.2#  
84 141.3 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 39.219 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Tgt Ion: 65 Resp: 114018  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 100.2

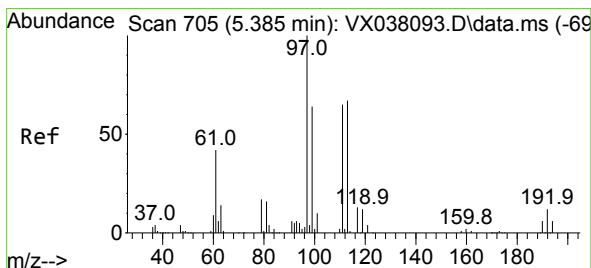
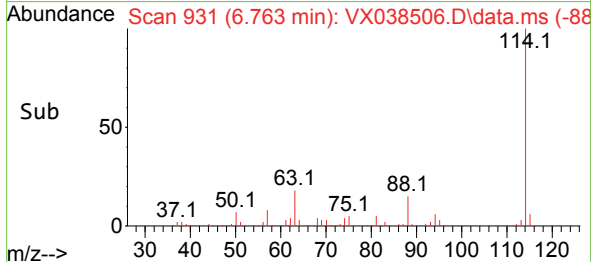
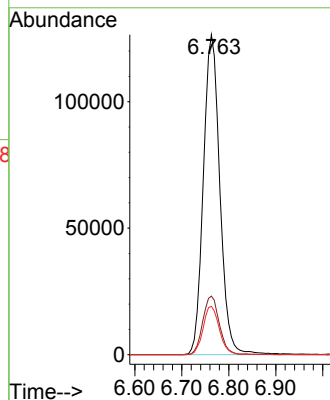
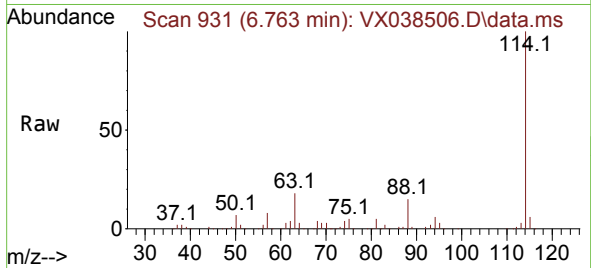




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

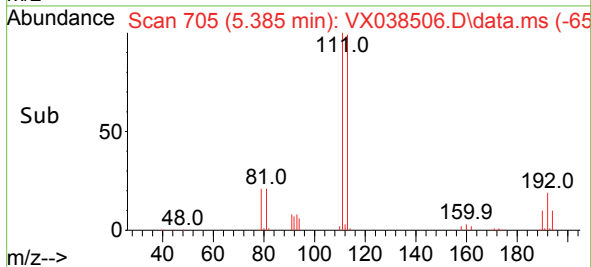
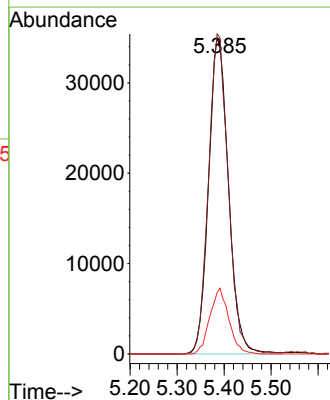
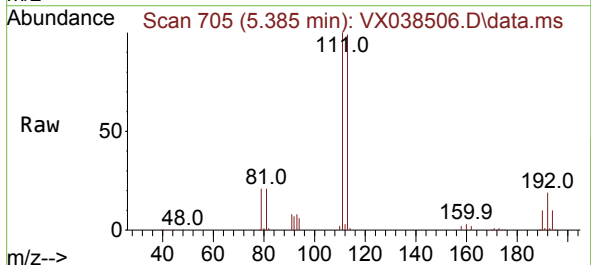
Instrument :  
MSVOA\_X  
ClientSampleId :

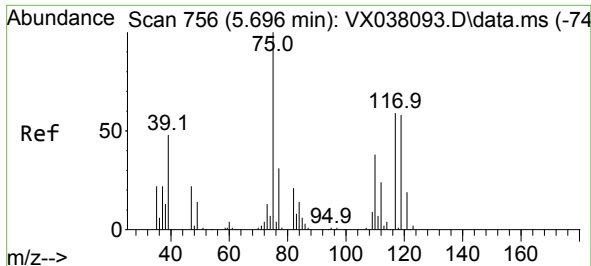
Tgt Ion:114 Resp: 308042  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 45.0  
88 15.1 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 46.231 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Tgt Ion:113 Resp: 102616  
Ion Ratio Lower Upper  
113 100  
111 100.5 82.9 124.3  
192 19.9 13.3 19.9

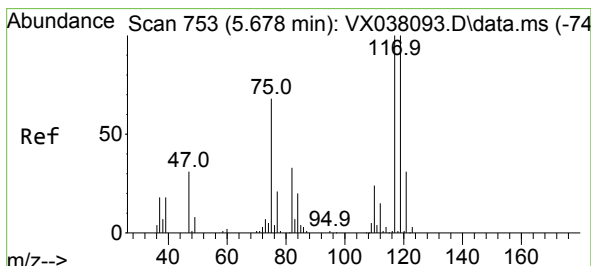
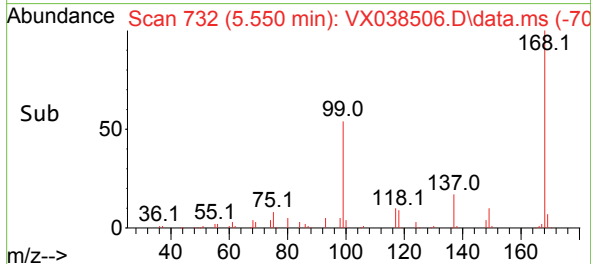
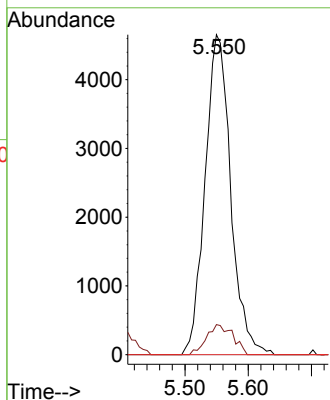
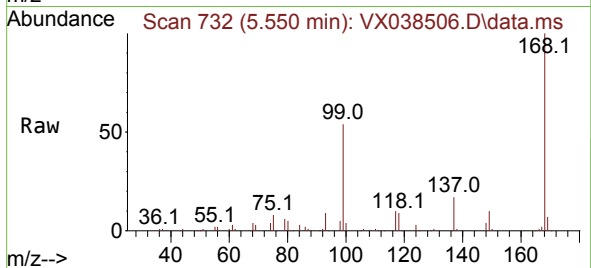




#36  
 1,1-Dichloropropene  
 Concen: 4.282 ug/l  
 RT: 5.550 min Scan# 713  
 Delta R.T. -0.140 min  
 Lab File: VX038506.D  
 Acq: 26 Oct 2023 08:16

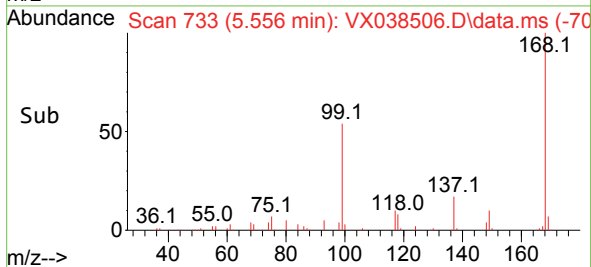
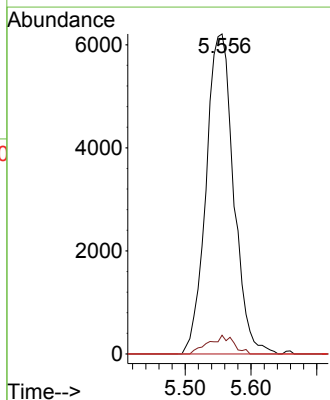
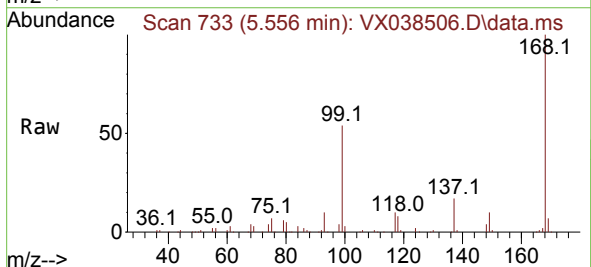
Instrument :  
 MSVOA\_X  
 ClientSampleId :

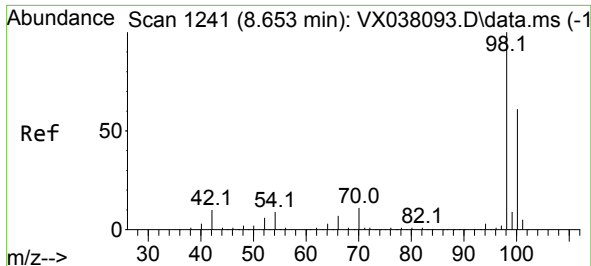
Tgt Ion: 75 Resp: 13107  
 Ion Ratio Lower Upper  
 75 100  
 110 9.6 17.0 50.9#  
 77 0.0 24.7 37.1#



#38  
 Carbon Tetrachloride  
 Concen: 6.013 ug/l  
 RT: 5.556 min Scan# 733  
 Delta R.T. -0.122 min  
 Lab File: VX038506.D  
 Acq: 26 Oct 2023 08:16

Tgt Ion: 117 Resp: 18105  
 Ion Ratio Lower Upper  
 117 100  
 119 5.9 78.2 117.2#  
 121 0.0 24.4 36.6#

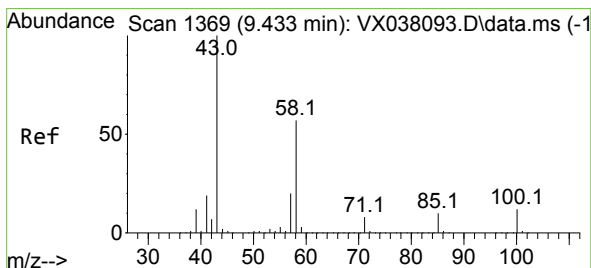
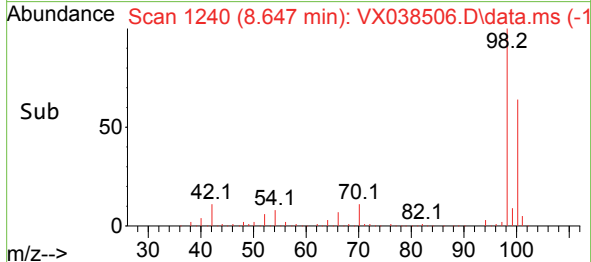
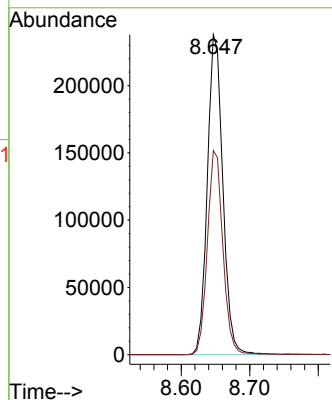
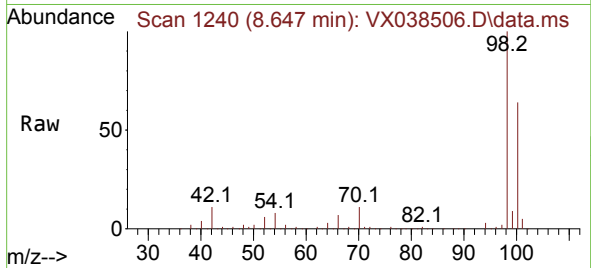




#50  
Toluene-d8  
Concen: 44.138 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

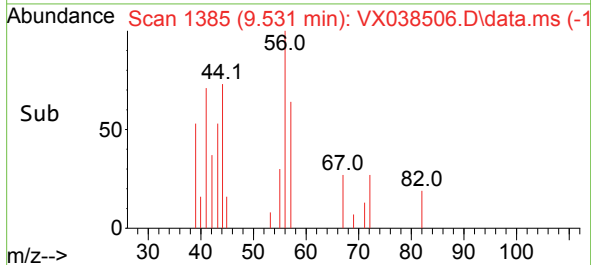
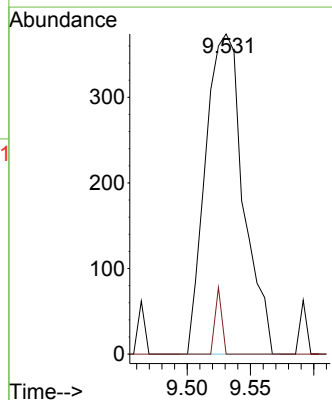
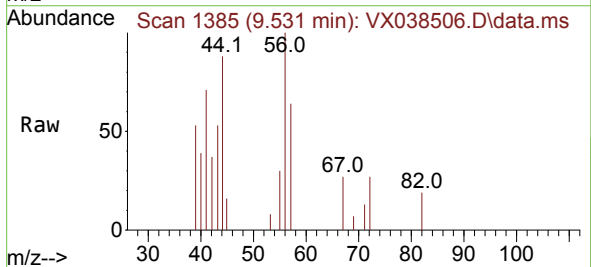
Instrument :  
MSVOA\_X  
ClientSampleId :

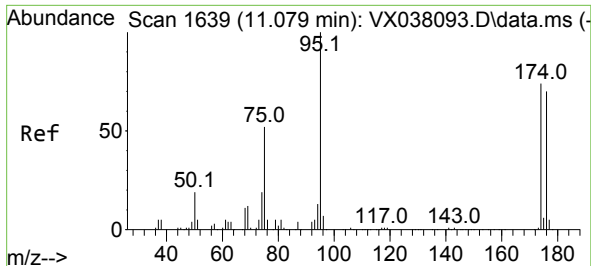
Tgt Ion: 98 Resp: 374366  
Ion Ratio Lower Upper  
98 100  
100 63.9 53.1 79.7



#59  
2-Hexanone  
Concen: 0.260 ug/l  
RT: 9.531 min Scan# 1385  
Delta R.T. 0.098 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Tgt Ion: 43 Resp: 781  
Ion Ratio Lower Upper  
43 100  
58 3.7 26.2 78.5#

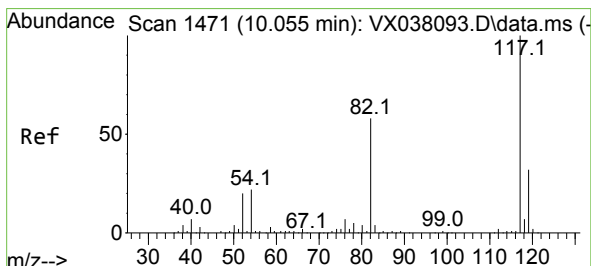
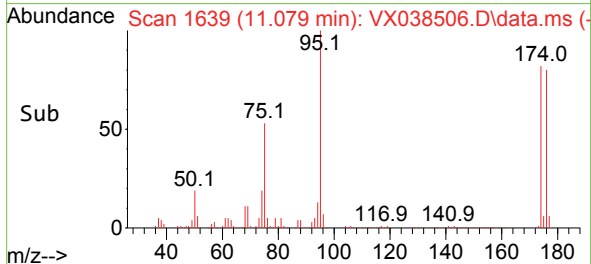
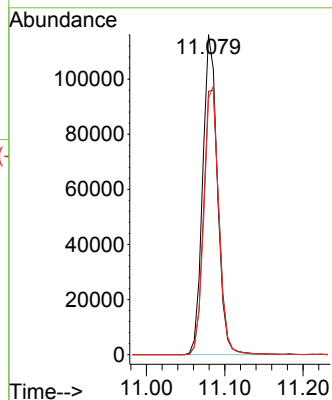
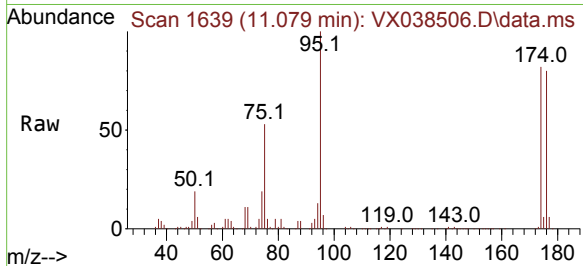




#62  
4-Bromofluorobenzene  
Concen: 47.151 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

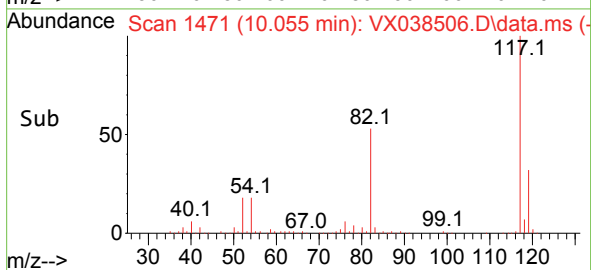
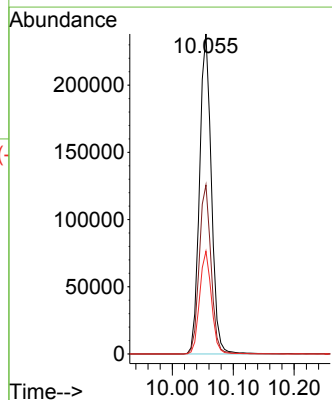
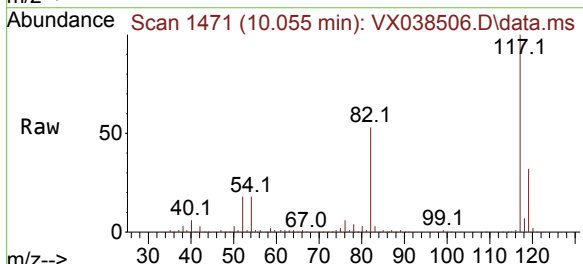
Instrument :  
MSVOA\_X  
ClientSampleId :

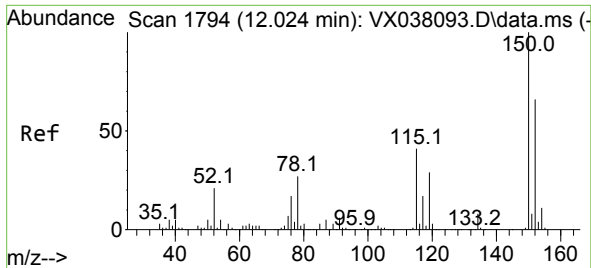
Tgt Ion: 95 Resp: 151615  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 135.6  
176 84.6 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Tgt Ion: 117 Resp: 320660  
Ion Ratio Lower Upper  
117 100  
82 52.8 46.2 69.4  
119 32.1 25.5 38.3

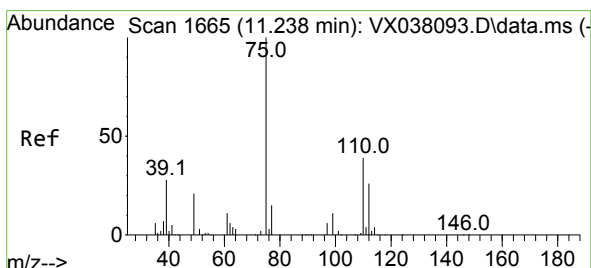
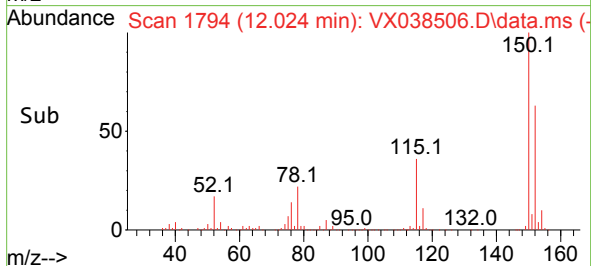
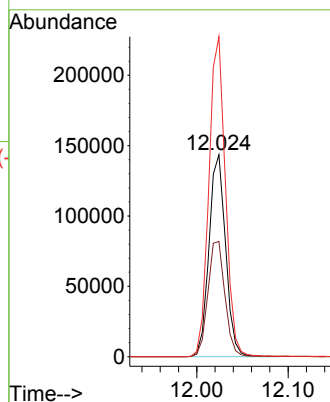
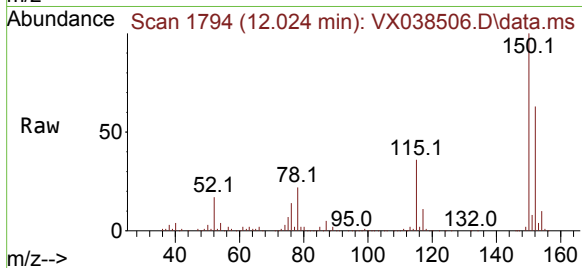




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX038506.D  
 Acq: 26 Oct 2023 08:16

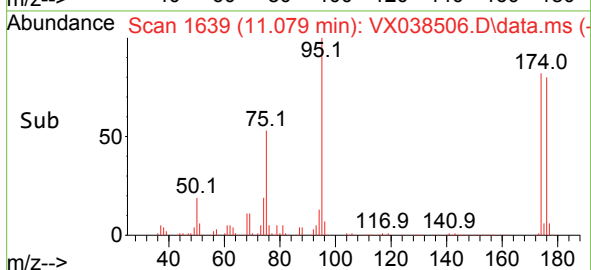
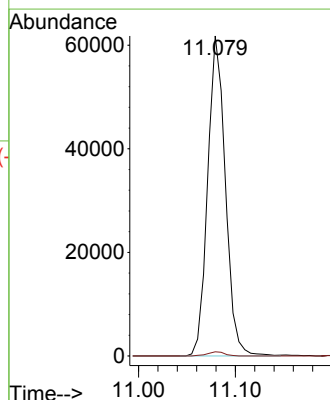
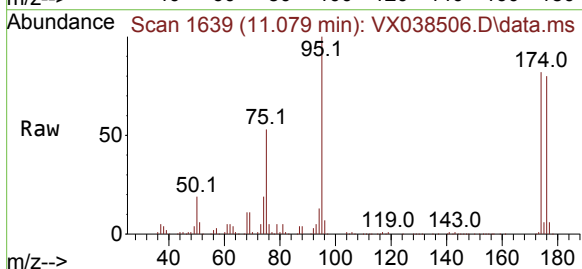
Instrument :  
 MSVOA\_X  
 ClientSampleId :

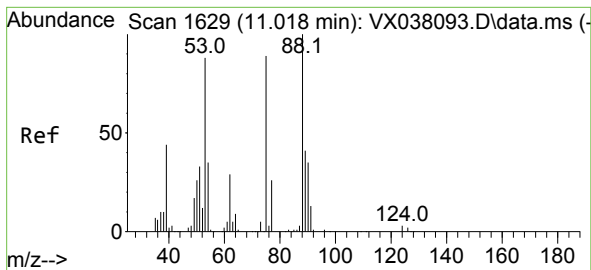
Tgt Ion:152 Resp: 181333  
 Ion Ratio Lower Upper  
 152 100  
 115 58.6 43.3 129.9  
 150 157.3 0.0 345.0



#76  
 1,2,3-Trichloropropane  
 Concen: 19.137 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX038506.D  
 Acq: 26 Oct 2023 08:16

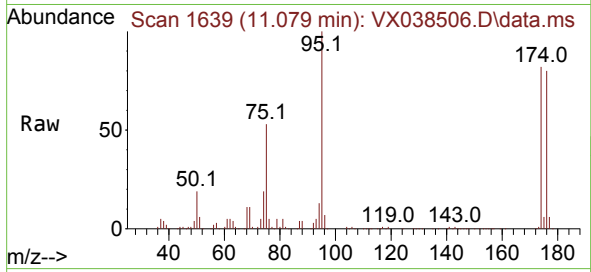
Tgt Ion: 75 Resp: 78890  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 19.1 57.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.405 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.061 min  
Lab File: VX038506.D  
Acq: 26 Oct 2023 08:16

Instrument :  
MSVOA\_X  
ClientSampleId :



| Tgt Ion: | 75    | Resp: | 78890  |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 53       | 0.0   | 90.5  | 135.7# |
| 89       | 0.0   | 36.9  | 55.3#  |

