

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041222\  
 Data File : VX028062.D  
 Acq On : 12 Apr 2022 17:33  
 Operator : JC/MD  
 Sample : N2334-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB040522

Quant Time: Apr 13 01:13:30 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

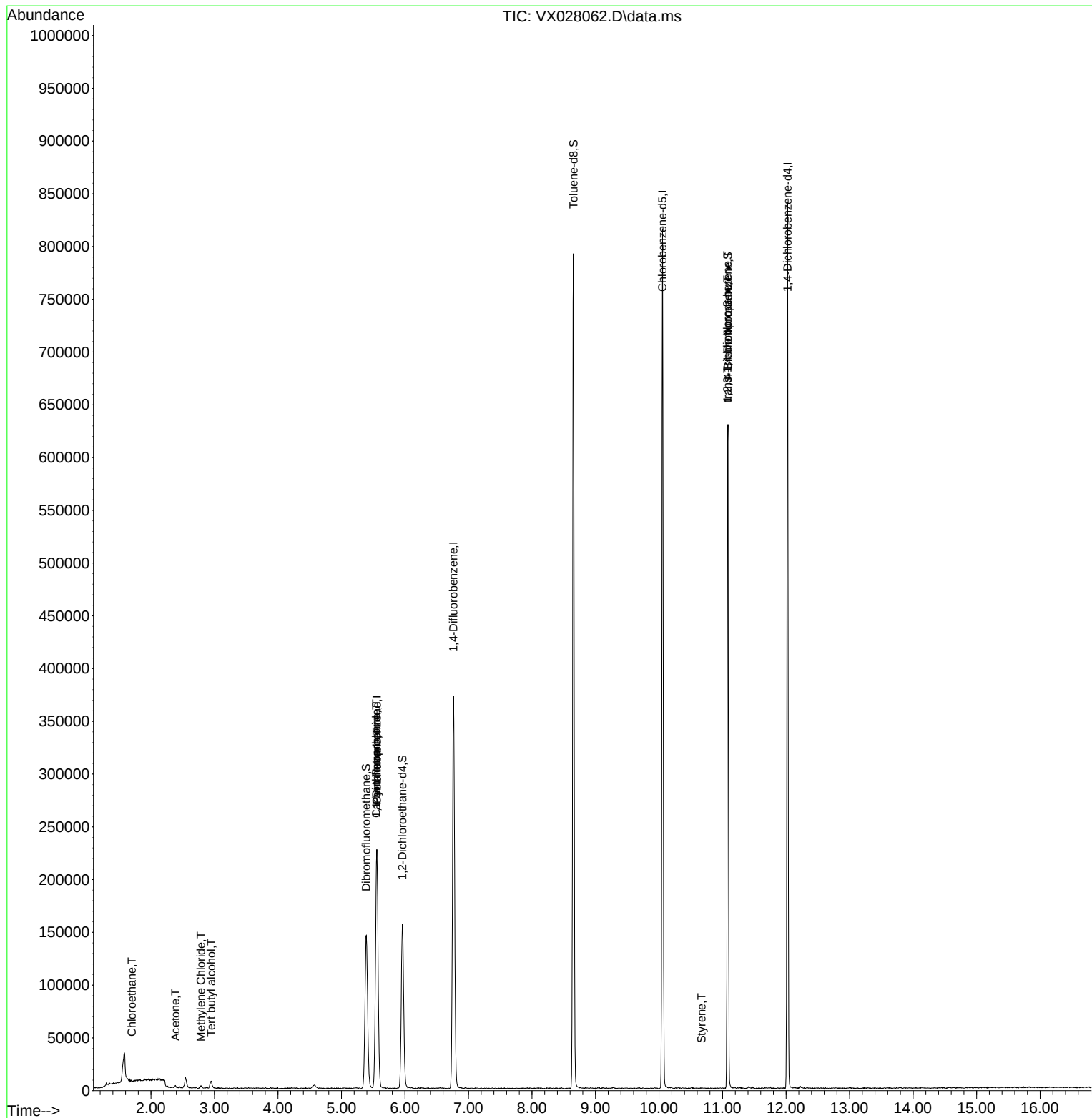
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 215820   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 377108   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 355808   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 159981   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 142425   | 48.643    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 97.280%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 122209   | 49.456    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 98.920%  |
| 50) Toluene-d8                | 8.653  | 98    | 459504   | 49.859    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 99.720%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 152369   | 44.280    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 88.560%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.612  | 94    | 909      | Below Cal | #      | 62       |
| 6) Chloroethane               | 1.697  | 64    | 129      | 2.656     | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.947  | 59    | 4092     | 6.021     | ug/l # | 72       |
| 13) Acrolein                  | 2.246  | 56    | 102      | Below Cal | #      | 39       |
| 16) Acetone                   | 2.386  | 43    | 2188     | 1.794     | ug/l # | 74       |
| 20) Methylene Chloride        | 2.788  | 84    | 980      | 0.403     | ug/l # | 76       |
| 31) Cyclohexane               | 5.556  | 56    | 5641     | 1.401     | ug/l # | 55       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 17252    | 4.574     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 21590    | 5.362     | ug/l # | 15       |
| 70) Styrene                   | 10.671 | 104   | 74       | 4.710     | ug/l # | 26       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 85237    | 23.932    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 85237    | 67.405    | ug/l # | 15       |
| -----                         |        |       |          |           |        |          |

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

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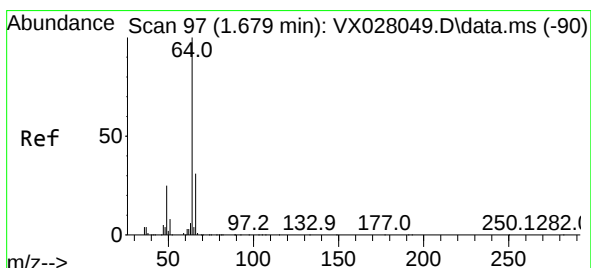
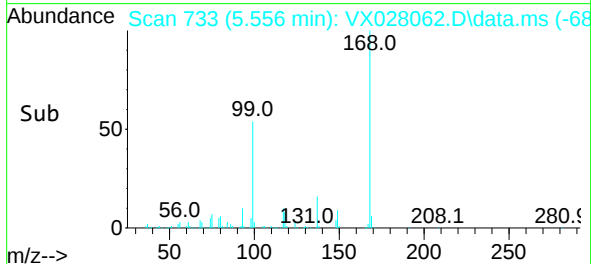
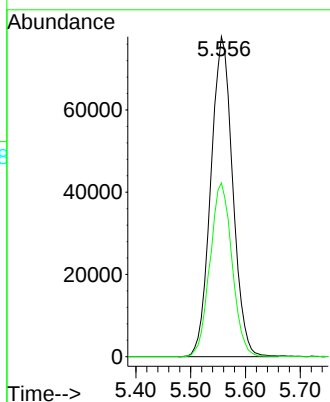
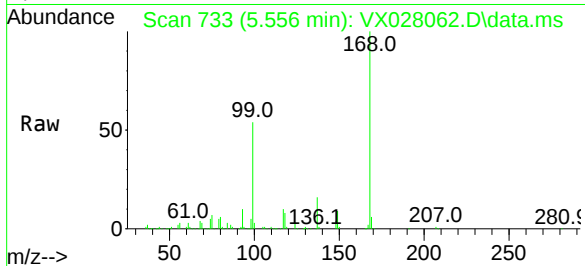




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

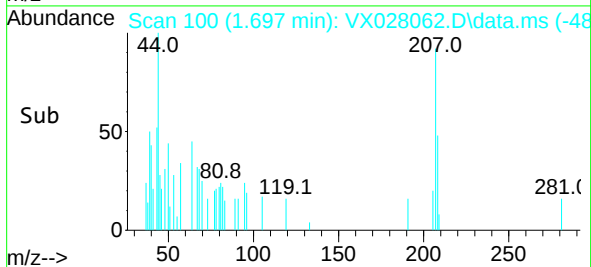
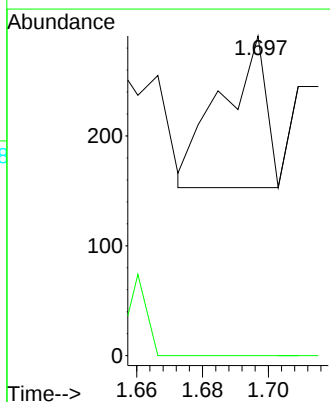
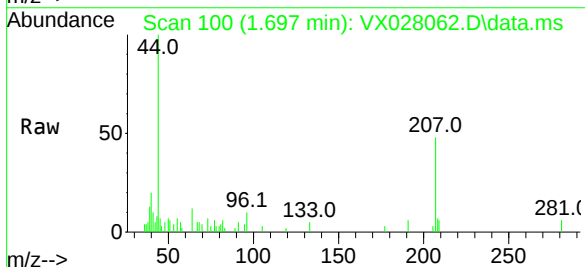
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

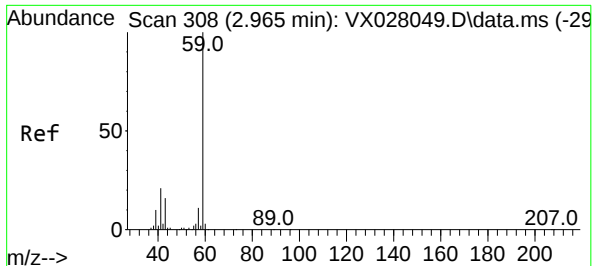
Tgt Ion:168 Resp: 215820  
Ion Ratio Lower Upper  
168 100  
99 54.3 41.7 62.5



#6  
Chloroethane  
Concen: 2.656 ug/l  
RT: 1.697 min Scan# 100  
Delta R.T. 0.018 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

Tgt Ion: 64 Resp: 129  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9





#11

Tert butyl alcohol

Concen: 6.021 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX028062.D

Acq: 12 Apr 2022 17:33

Instrument :

MSVOA\_X

ClientSampleId :

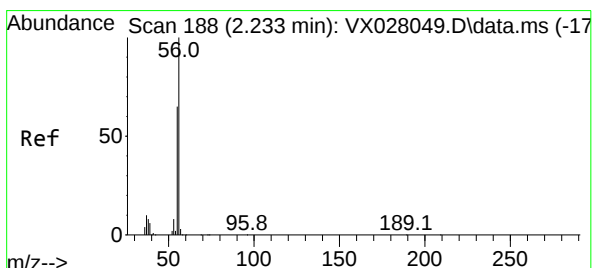
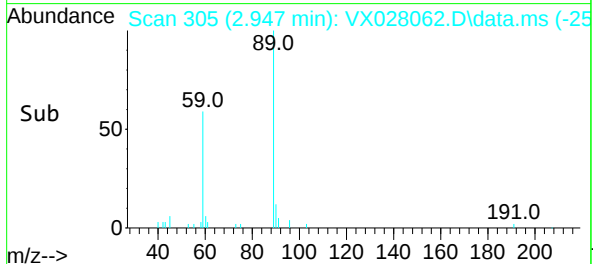
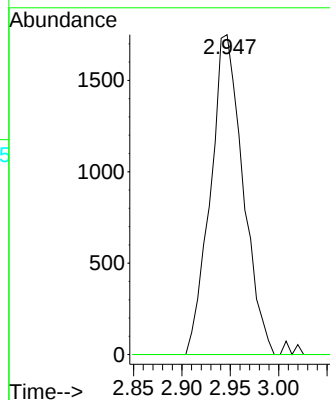
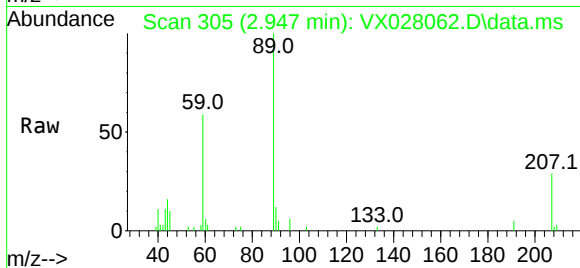
FB040522

Tgt Ion: 59 Resp: 4092

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: Below Cal

RT: 2.246 min Scan# 190

Delta R.T. 0.013 min

Lab File: VX028062.D

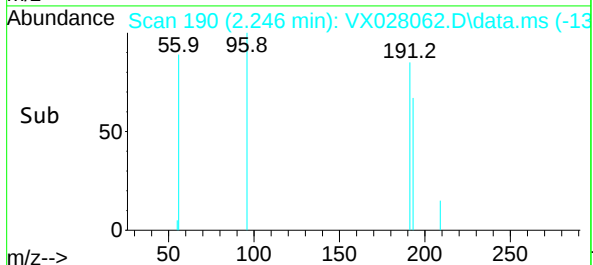
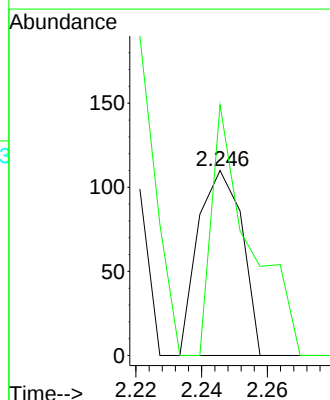
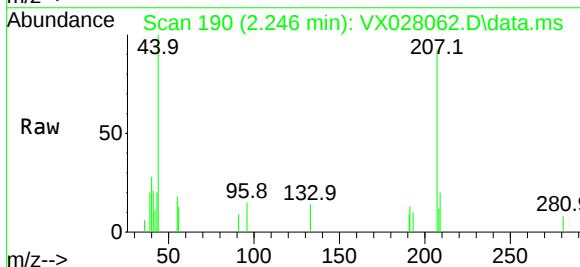
Acq: 12 Apr 2022 17:33

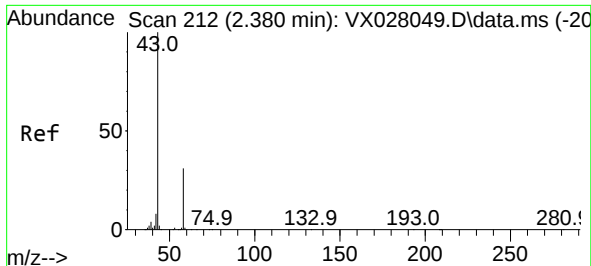
Tgt Ion: 56 Resp: 102

Ion Ratio Lower Upper

56 100

55 118.6 55.0 82.6#

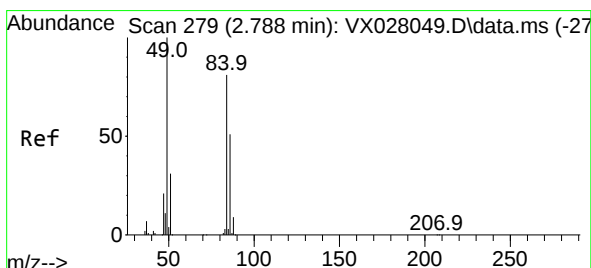
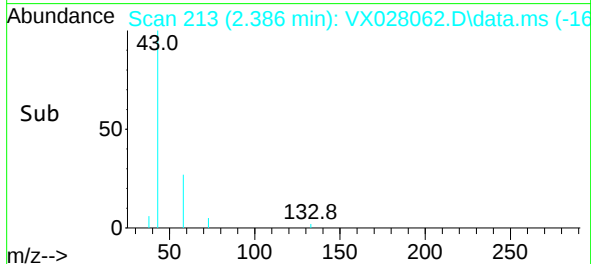
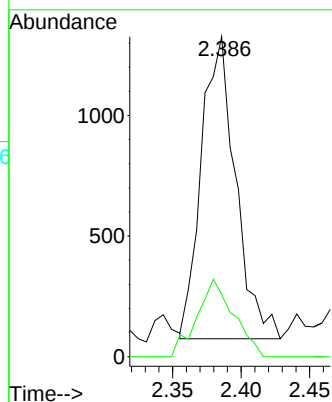
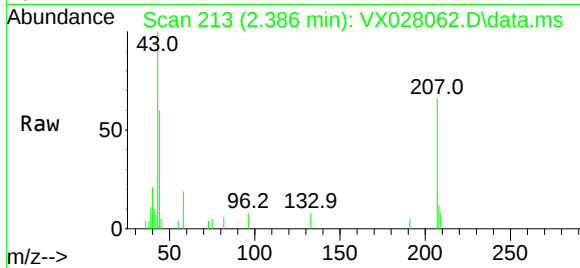




#16  
Acetone  
Concen: 1.794 ug/l  
RT: 2.386 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

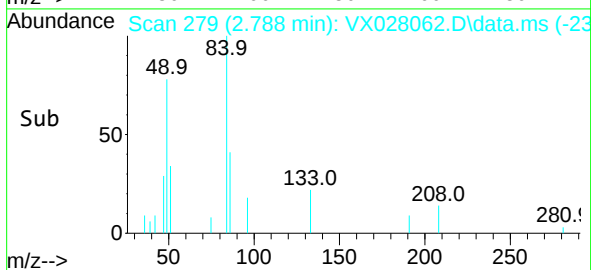
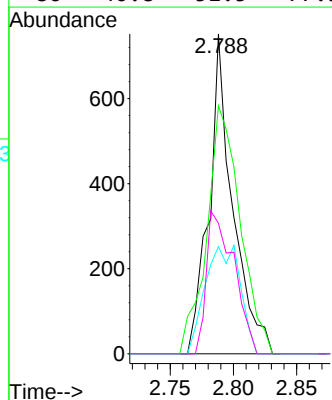
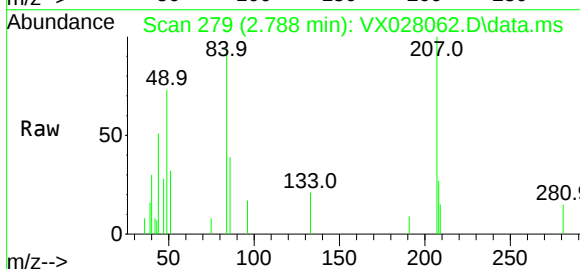
Instrument :  
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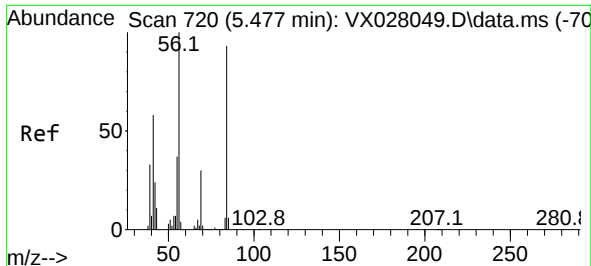
Tgt Ion: 43 Resp: 2188  
Ion Ratio Lower Upper  
43 100  
58 20.6 28.8 43.2#



#20  
Methylene Chloride  
Concen: 0.403 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

Tgt Ion: 84 Resp: 980  
Ion Ratio Lower Upper  
84 100  
49 77.5 85.5 128.3#  
51 33.5 26.6 39.8  
86 40.8 51.5 77.3#

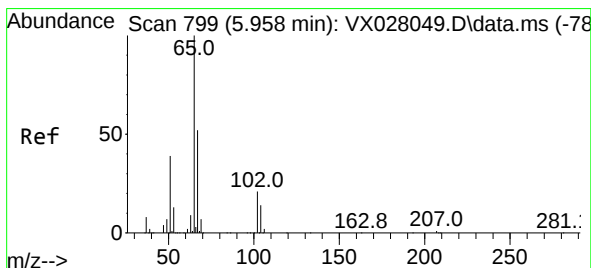
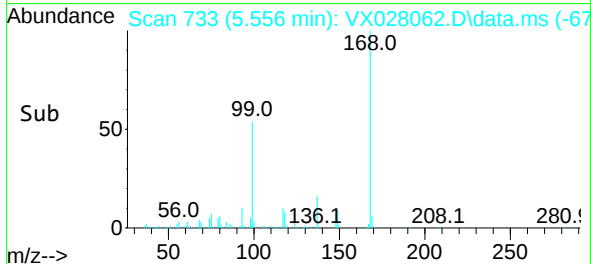
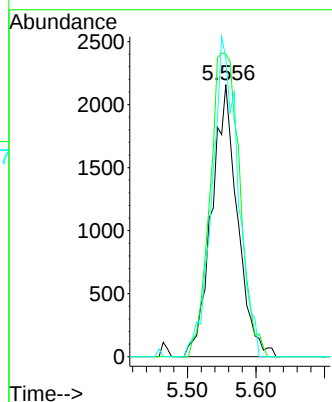
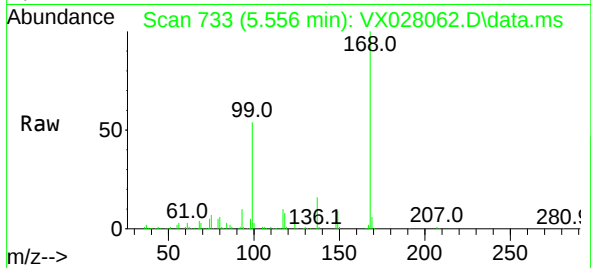




#31  
Cyclohexane  
Concen: 1.401 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. 0.079 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

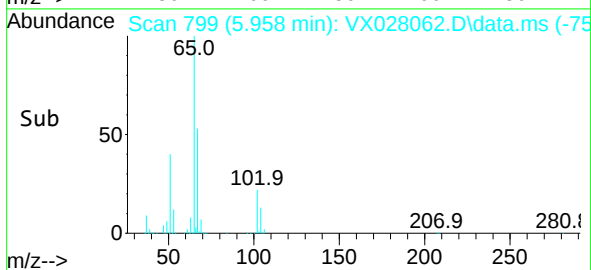
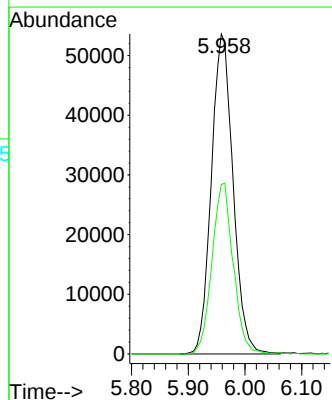
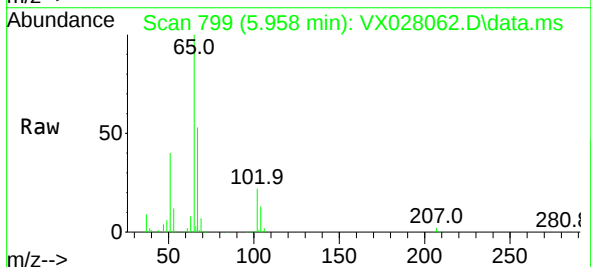
Instrument :  
MSVOA\_X  
ClientSampleId :  
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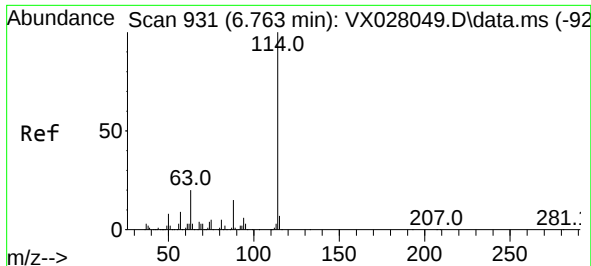
Tgt Ion: 56 Resp: 5641  
Ion Ratio Lower Upper  
56 100  
69 111.3 26.7 40.1#  
84 109.8 77.2 115.8



#33  
1,2-Dichloroethane-d4  
Concen: 48.643 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

Tgt Ion: 65 Resp: 142425  
Ion Ratio Lower Upper  
65 100  
67 52.1 0.0 107.4

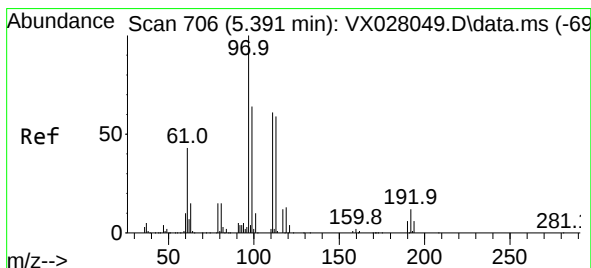
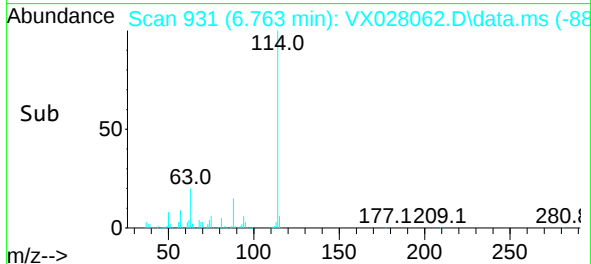
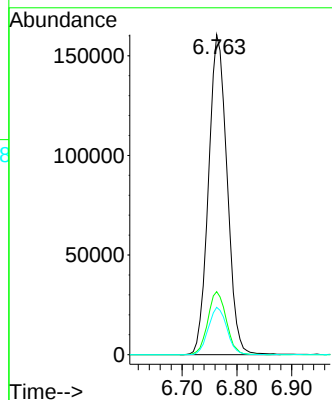
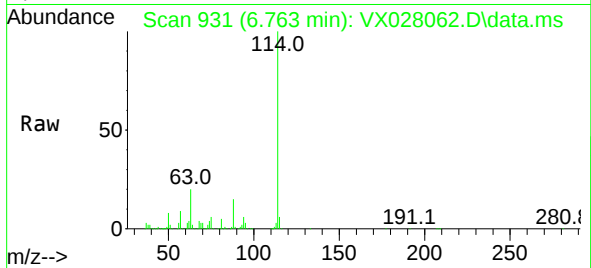




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

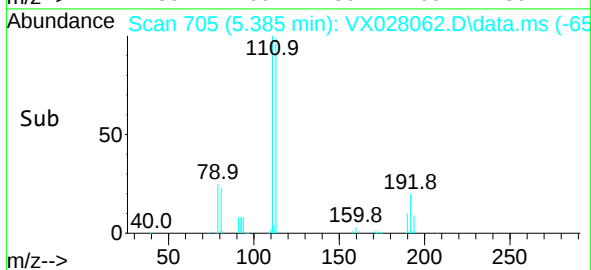
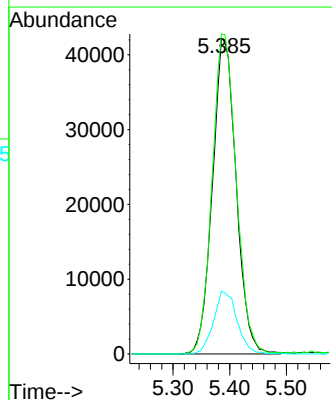
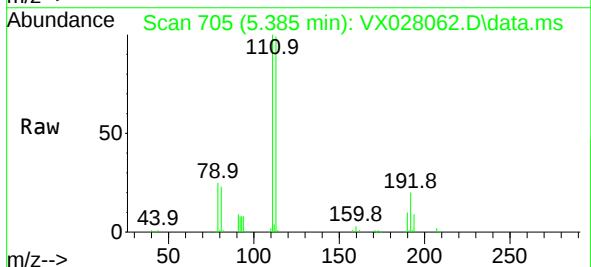
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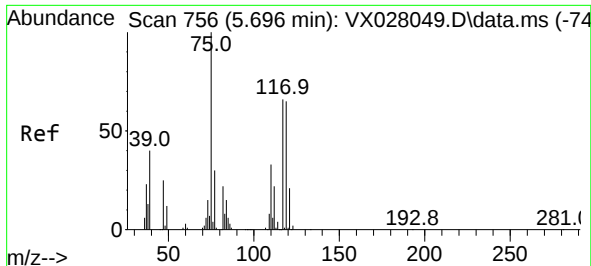
Tgt Ion:114 Resp: 377108  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 36.8  
88 14.8 0.0 32.4



#35  
Dibromofluoromethane  
Concen: 49.456 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

Tgt Ion:113 Resp: 122209  
Ion Ratio Lower Upper  
113 100  
111 103.4 82.8 124.2  
192 19.8 16.9 25.3

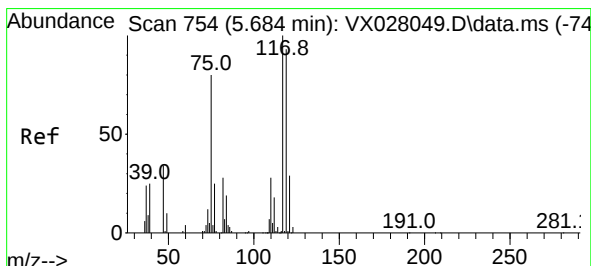
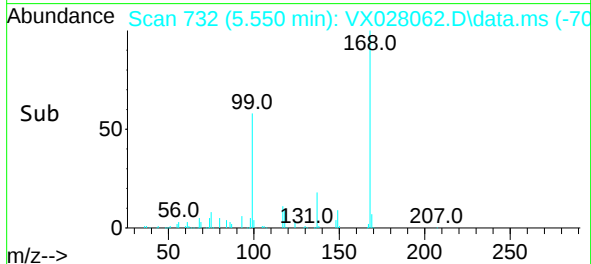
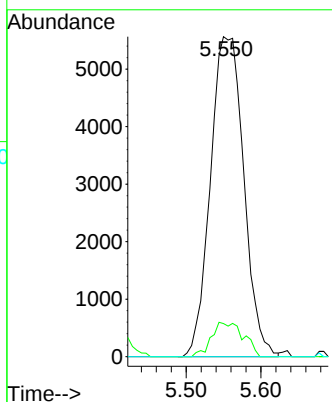
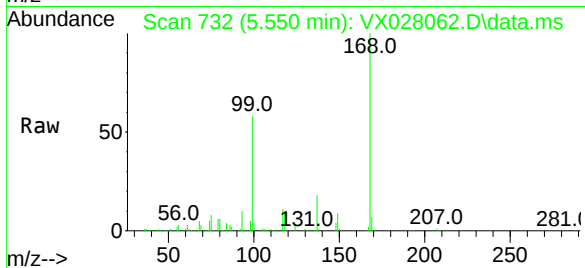




#36  
 1,1-Dichloropropene  
 Concen: 4.574 ug/l  
 RT: 5.550 min Scan# 71  
 Delta R.T. -0.146 min  
 Lab File: VX028062.D  
 Acq: 12 Apr 2022 17:33

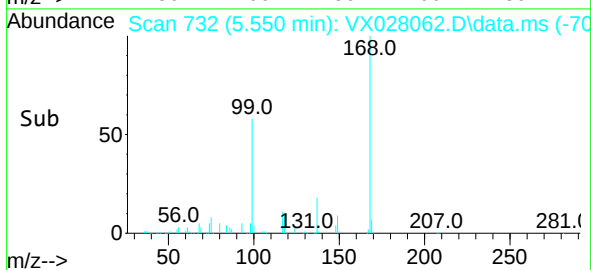
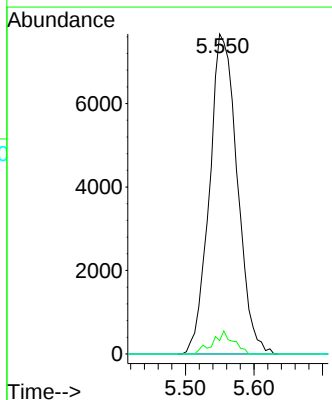
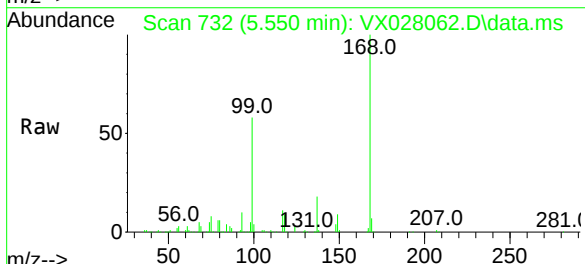
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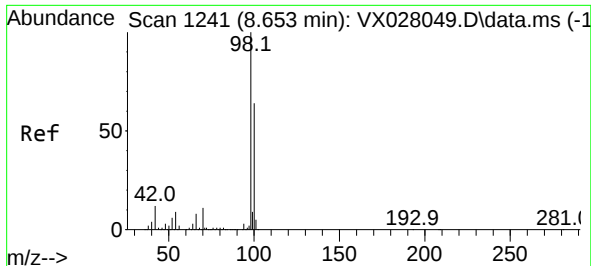
Tgt Ion: 75 Resp: 17252  
 Ion Ratio Lower Upper  
 75 100  
 110 10.3 18.3 54.8#  
 77 0.0 24.8 37.2#



#38  
 Carbon Tetrachloride  
 Concen: 5.362 ug/l  
 RT: 5.550 min Scan# 732  
 Delta R.T. -0.134 min  
 Lab File: VX028062.D  
 Acq: 12 Apr 2022 17:33

Tgt Ion: 117 Resp: 21590  
 Ion Ratio Lower Upper  
 117 100  
 119 4.1 77.3 115.9#  
 121 0.0 24.2 36.2#

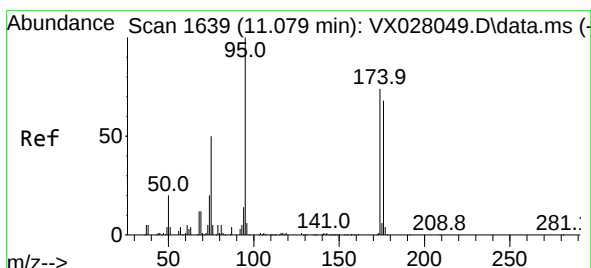
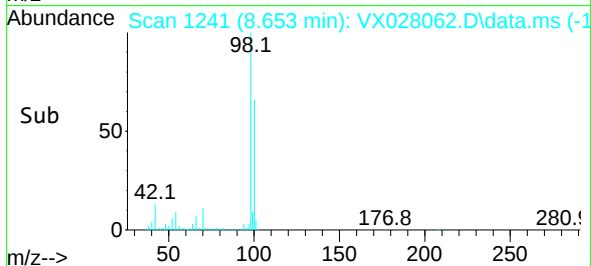
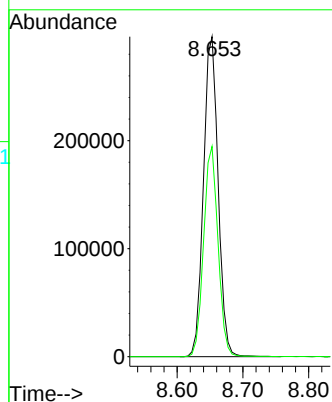
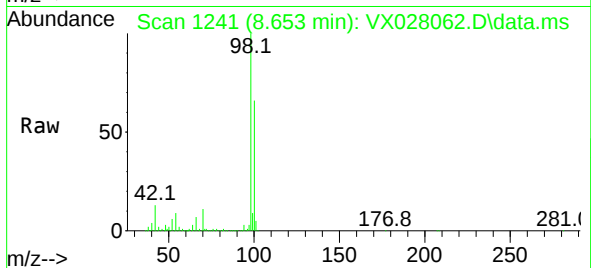




#50  
Toluene-d8  
Concen: 49.859 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

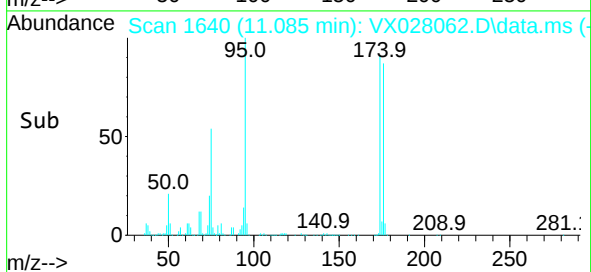
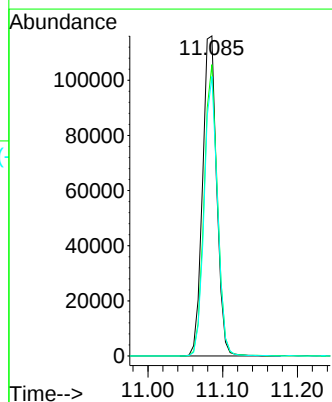
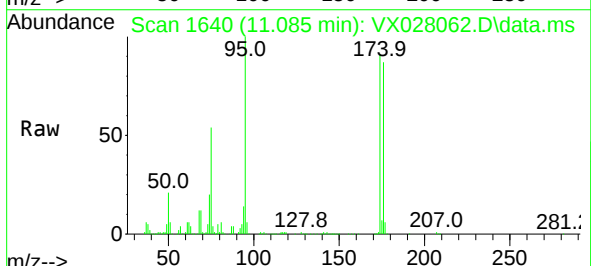
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

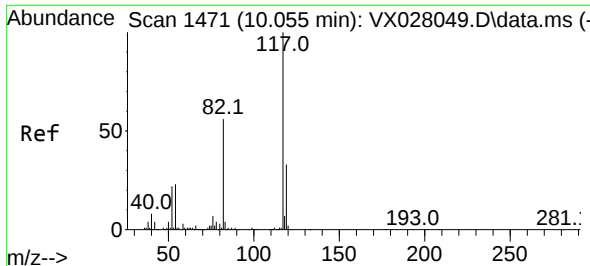
Tgt Ion: 98 Resp: 459504  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.6 78.8



#62  
4-Bromofluorobenzene  
Concen: 44.280 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.006 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

Tgt Ion: 95 Resp: 152369  
Ion Ratio Lower Upper  
95 100  
174 86.3 0.0 163.0  
176 82.8 0.0 155.0

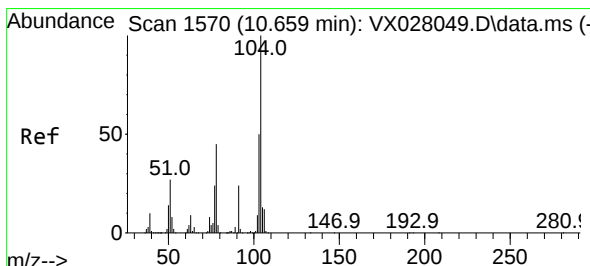
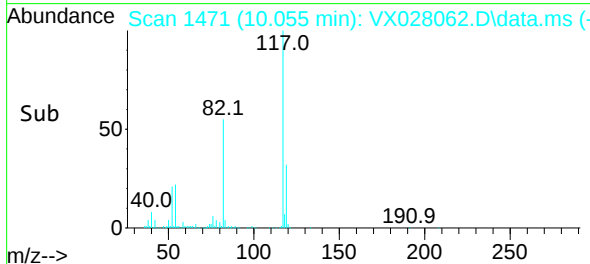
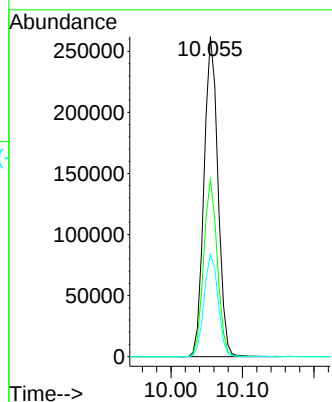
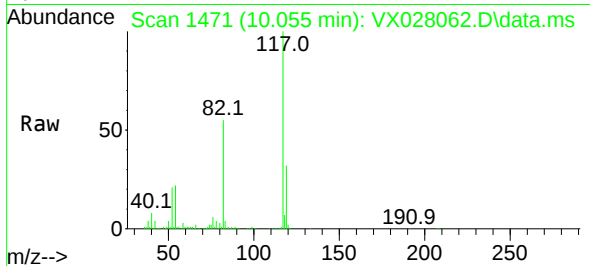




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

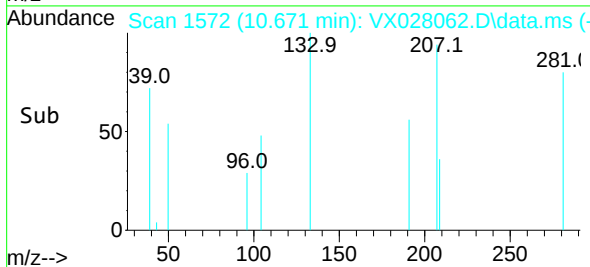
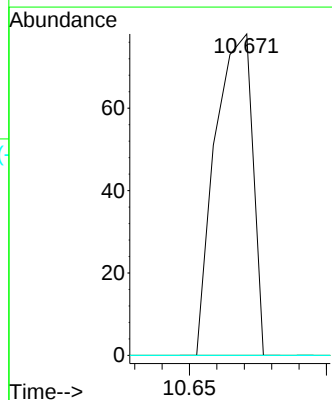
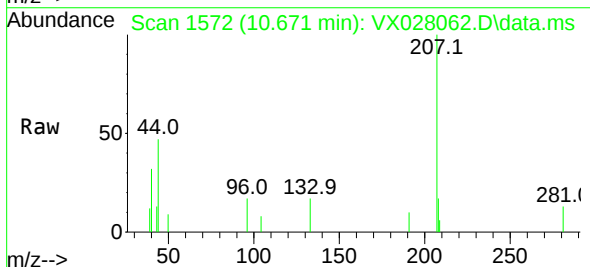
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB040522

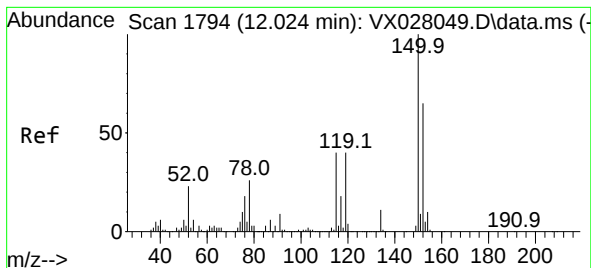
Tgt Ion:117 Resp: 355808  
Ion Ratio Lower Upper  
117 100  
82 55.4 41.8 62.8  
119 32.0 24.8 37.2



#70  
Styrene  
Concen: 4.710 ug/l  
RT: 10.671 min Scan# 1572  
Delta R.T. 0.012 min  
Lab File: VX028062.D  
Acq: 12 Apr 2022 17:33

Tgt Ion:104 Resp: 74  
Ion Ratio Lower Upper  
104 100  
78 0.0 38.6 57.8#  
103 0.0 43.8 65.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028062.D

Acq: 12 Apr 2022 17:33

Instrument :

MSVOA\_X

ClientSampleId :

FB040522

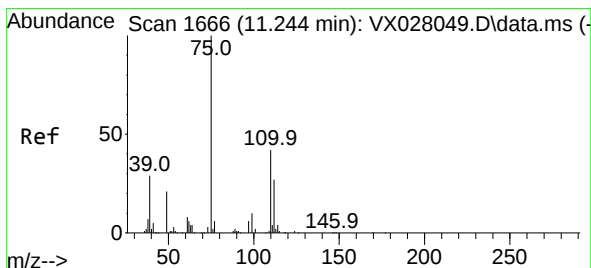
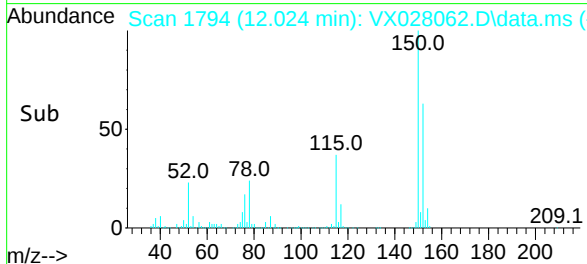
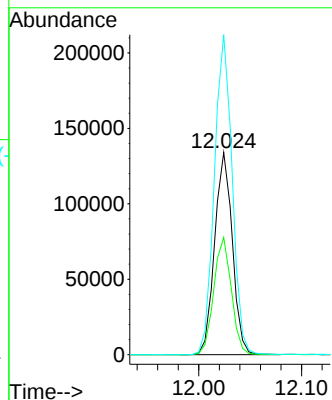
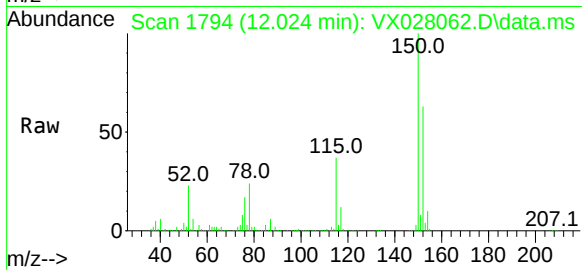
Tgt Ion:152 Resp: 159981

Ion Ratio Lower Upper

152 100

115 57.6 37.5 112.7

150 159.3 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 23.932 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028062.D

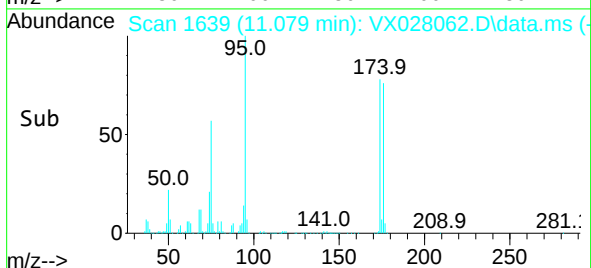
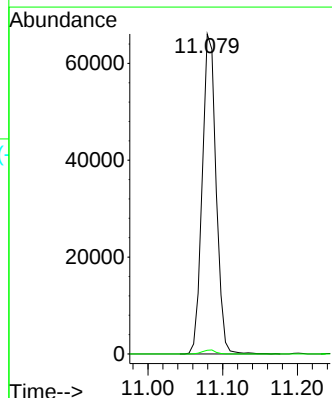
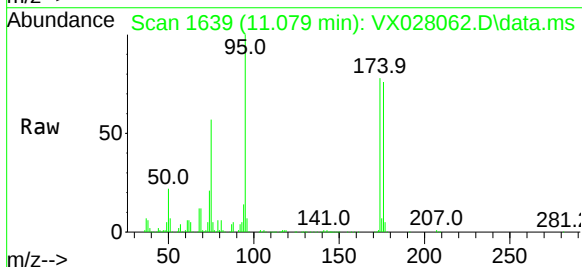
Acq: 12 Apr 2022 17:33

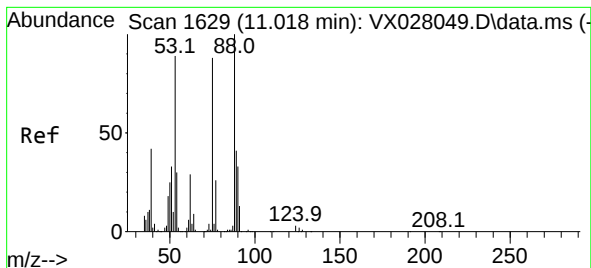
Tgt Ion: 75 Resp: 85237

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 67.405 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX028062.D  
 Acq: 12 Apr 2022 17:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB040522

Tgt Ion: 75 Resp: 85237  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

