

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042122\  
 Data File : VX028247.D  
 Acq On : 21 Apr 2022 17:33  
 Operator : JC/MD  
 Sample : N2459-14  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31584

Quant Time: Apr 22 06:16:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

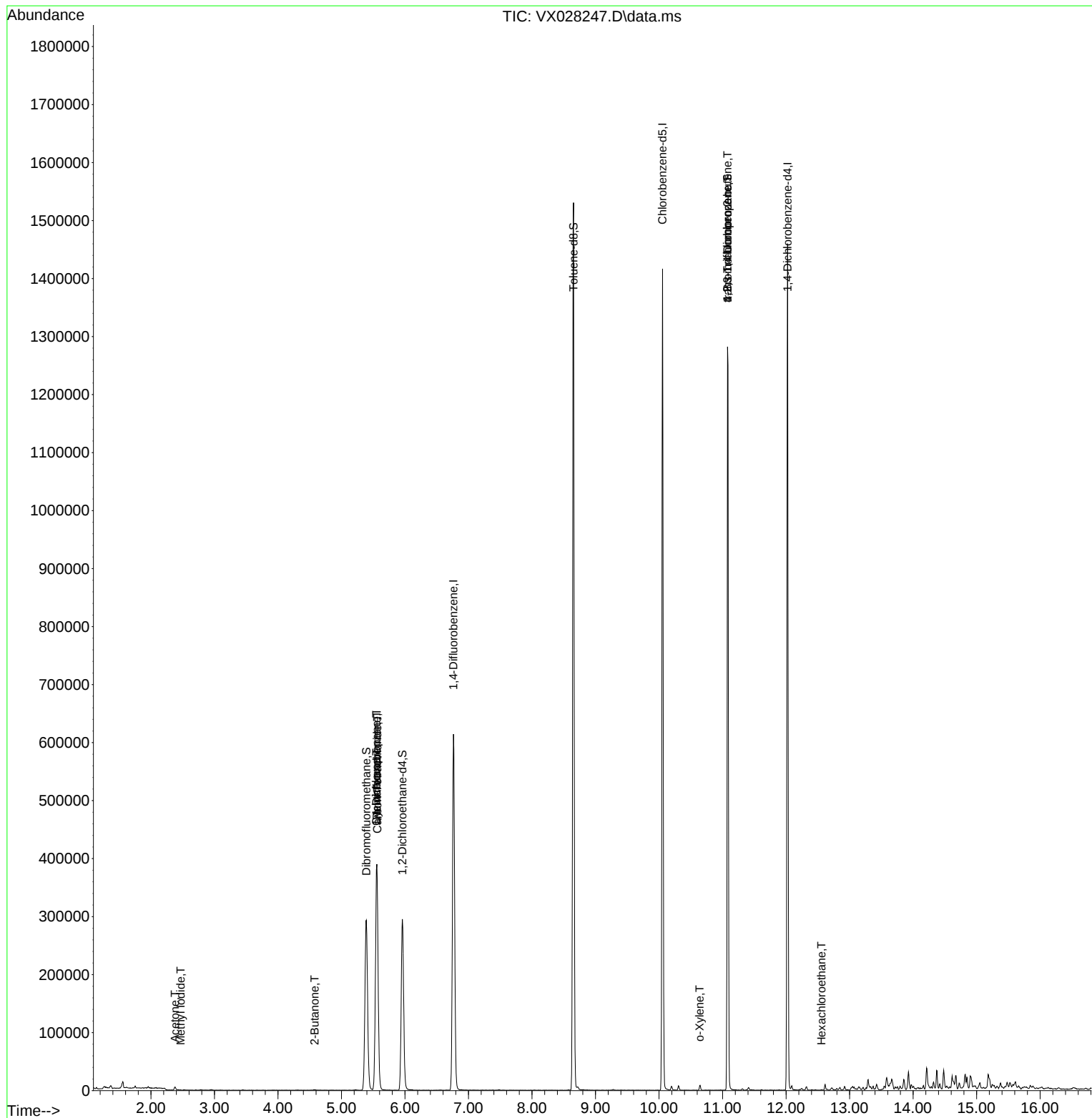
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 382783   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 663620   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 636346   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 302849   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 281660   | 56.433    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | = 112.860% |          |
| 35) Dibromofluoromethane      | 5.391  | 113   | 255149   | 54.825    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | = 109.640% |          |
| 50) Toluene-d8                | 8.653  | 98    | 928350   | 51.936    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | = 103.880% |          |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 342493   | 50.112    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | = 100.220% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 1.288  | 50    | 482      | Below Cal | #          | 42       |
| 5) Bromomethane               | 1.618  | 94    | 725      | Below Cal |            | 86       |
| 6) Chloroethane               | 1.660  | 64    | 143      | Below Cal | #          | 43       |
| 8) Diethyl Ether              | 1.983  | 74    | 26       | Below Cal | #          | 1        |
| 10) Methyl Iodide             | 2.465  | 142   | 382      | 5.315     | ug/l #     | 83       |
| 11) Tert butyl alcohol        | 2.953  | 59    | 679      | Below Cal | #          | 72       |
| 16) Acetone                   | 2.380  | 43    | 6044     | 2.583     | ug/l       | 89       |
| 25) 2-Butanone                | 4.574  | 43    | 1473     | 0.498     | ug/l #     | 75       |
| 31) Cyclohexane               | 5.550  | 56    | 7674     | 1.262     | ug/l #     | 37       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 28007    | 4.614     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 38424    | 5.607     | ug/l #     | 15       |
| 69) o-Xylene                  | 10.640 | 106   | 2211     | 0.240     | ug/l       | 95       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 171891   | 28.839    | ug/l #     | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 171891   | 85.703    | ug/l #     | 15       |
| 90) Hexachloroethane          | 12.555 | 117   | 52       | 1.829     | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

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

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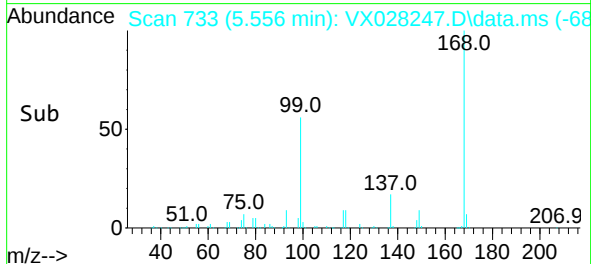
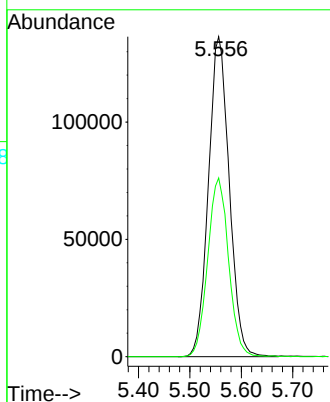
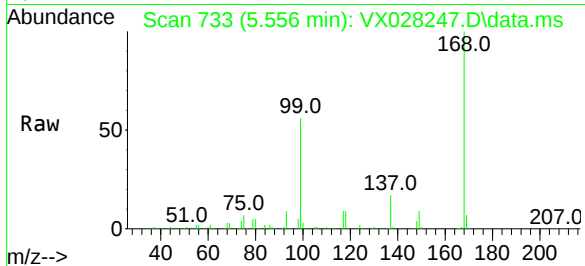




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

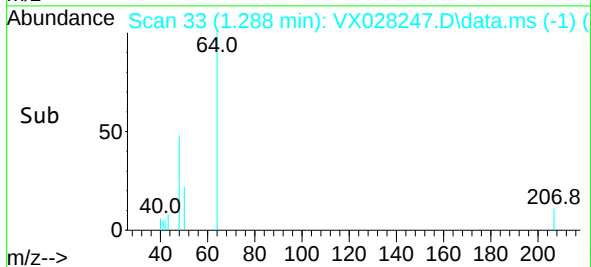
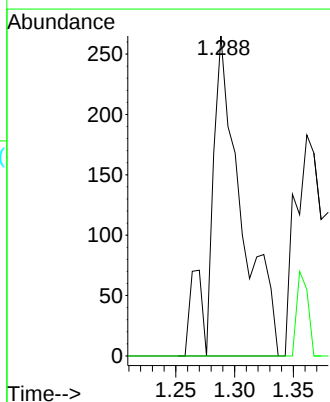
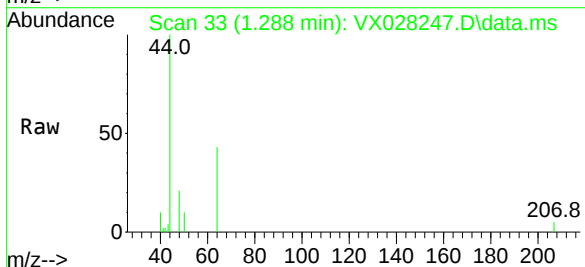
Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

Tgt Ion:168 Resp: 382783  
Ion Ratio Lower Upper  
168 100  
99 55.8 41.7 62.5



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. -0.006 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion: 50 Resp: 482  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.4 39.6#

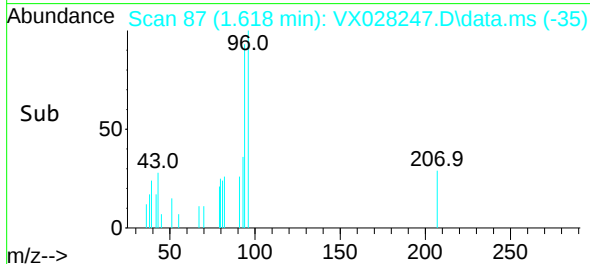
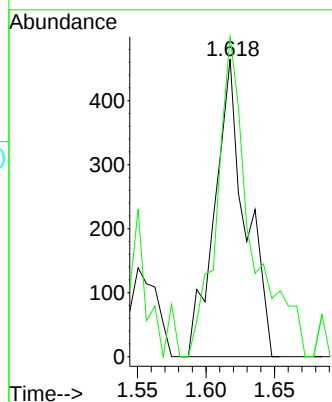
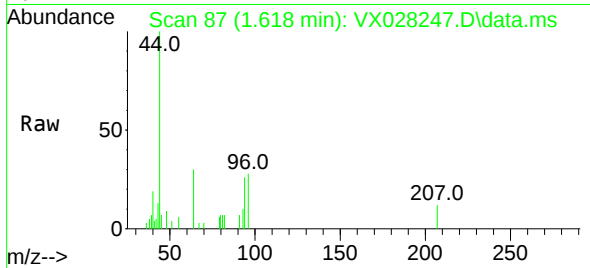




#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 81  
Delta R.T. 0.019 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

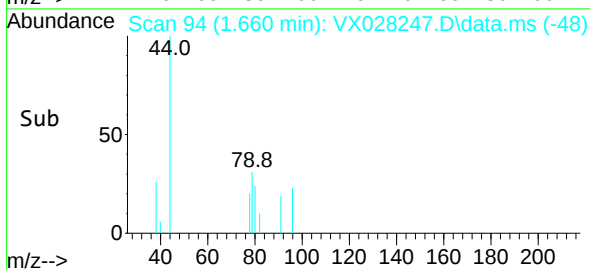
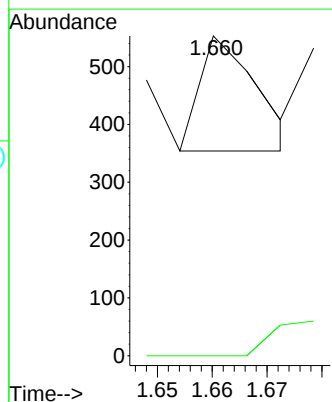
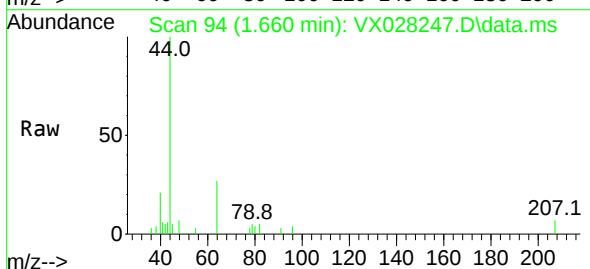
Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

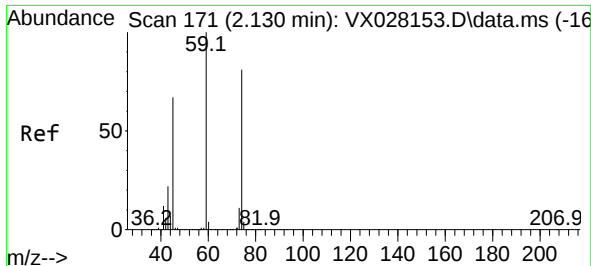
Tgt Ion: 94 Resp: 725  
Ion Ratio Lower Upper  
94 100  
96 107.5 75.3 112.9



#6  
Chloroethane  
Concen: Below Cal  
RT: 1.660 min Scan# 94  
Delta R.T. -0.018 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

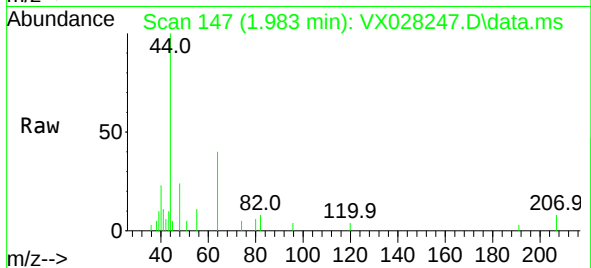
Tgt Ion: 64 Resp: 143  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



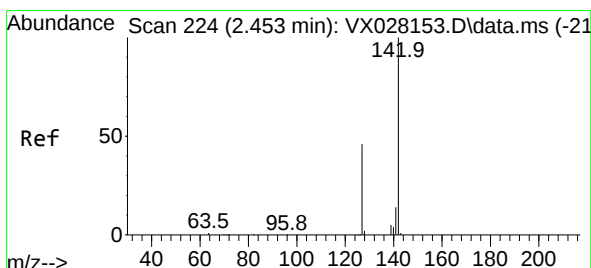
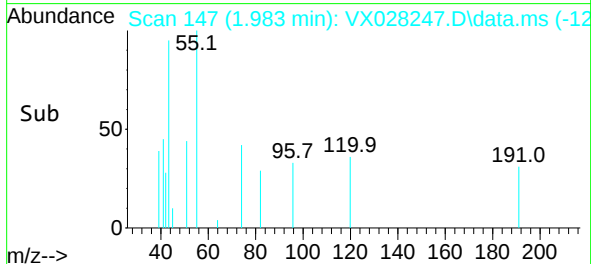
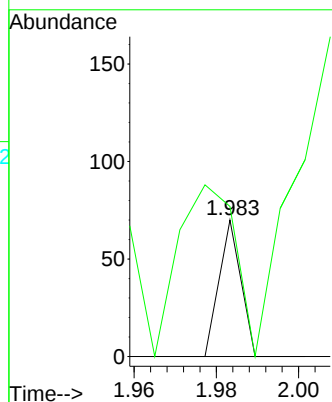


#8  
Diethyl Ether  
Concen: Below Cal  
RT: 1.983 min Scan# 14  
Delta R.T. -0.147 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

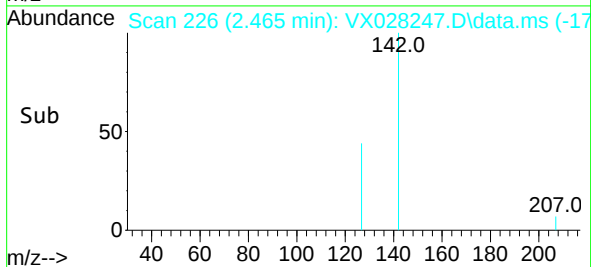
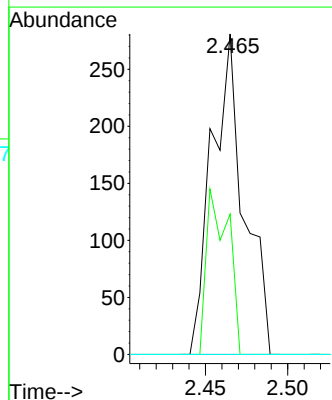
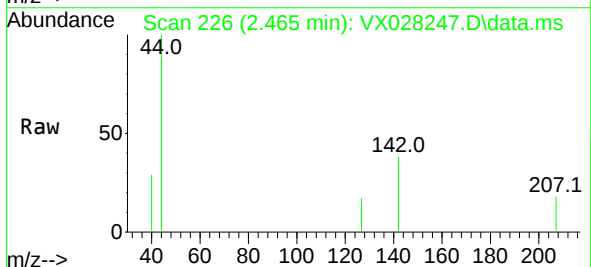


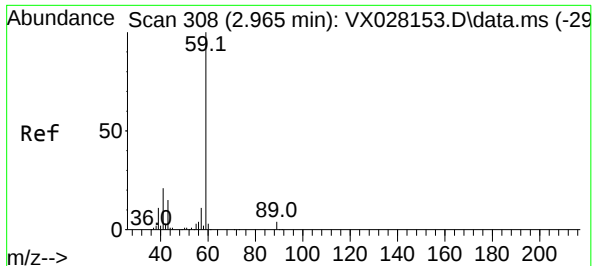
Tgt Ion: 74 Resp: 26  
Ion Ratio Lower Upper  
74 100  
45 323.1 42.0 126.0#



#10  
Methyl Iodide  
Concen: 5.315 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion:142 Resp: 382  
Ion Ratio Lower Upper  
142 100  
127 35.3 33.9 50.9  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX028247.D

Acq: 21 Apr 2022 17:33

Instrument :

MSVOA\_X

ClientSampleId :

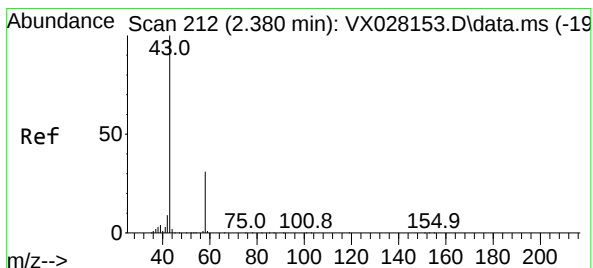
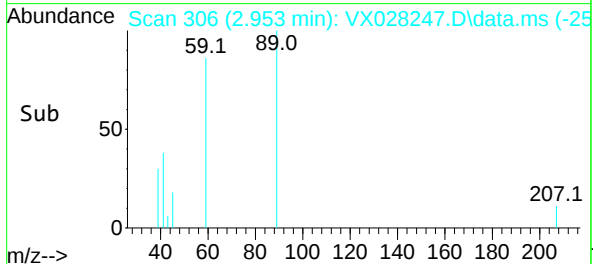
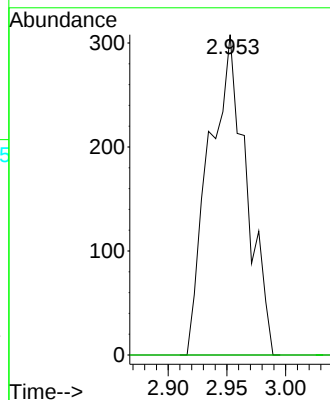
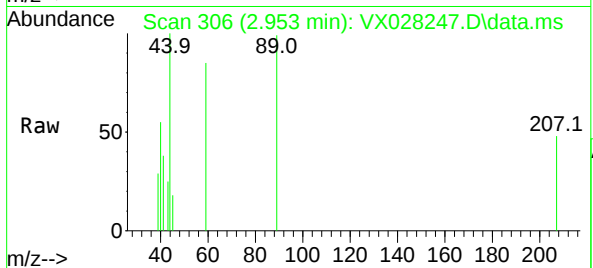
31584

Tgt Ion: 59 Resp: 679

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 2.583 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028247.D

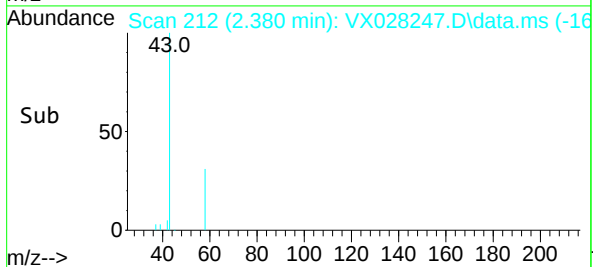
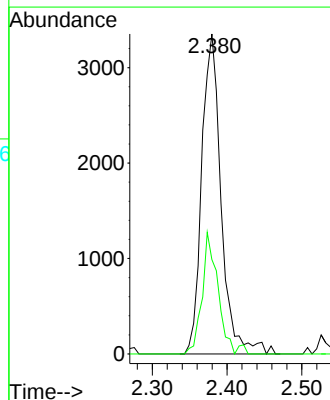
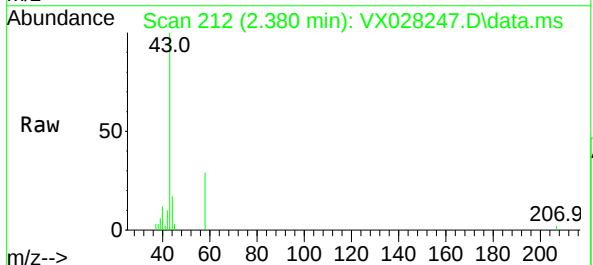
Acq: 21 Apr 2022 17:33

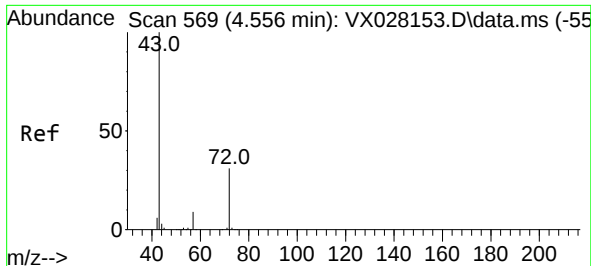
Tgt Ion: 43 Resp: 6044

Ion Ratio Lower Upper

43 100

58 29.5 28.8 43.2

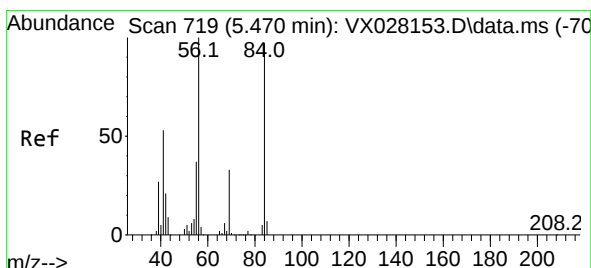
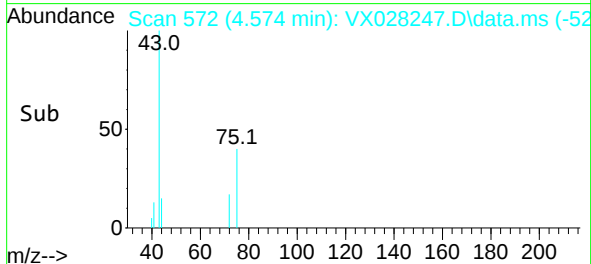
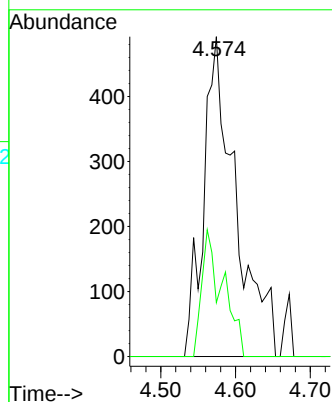
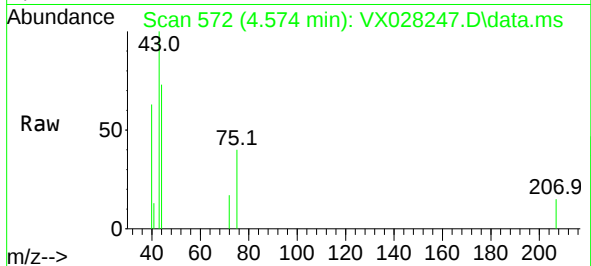




#25  
2-Butanone  
Concen: 0.498 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

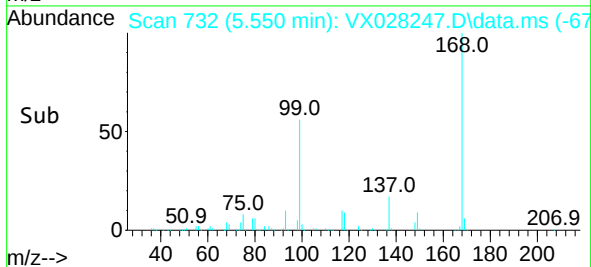
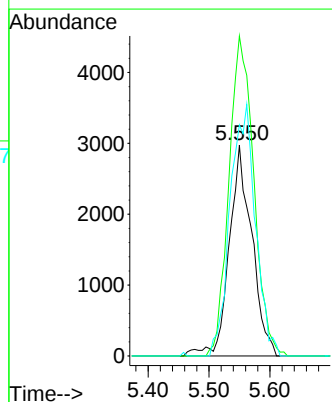
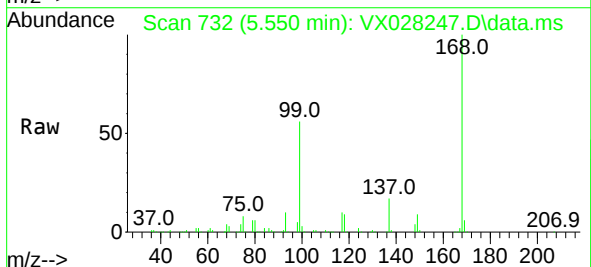
Instrument :  
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ClientSampleId :  
31584

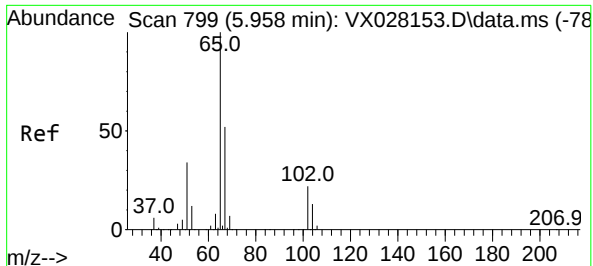
Tgt Ion: 43 Resp: 1473  
Ion Ratio Lower Upper  
43 100  
72 16.9 24.4 36.6#



#31  
Cyclohexane  
Concen: 1.262 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.080 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion: 56 Resp: 7674  
Ion Ratio Lower Upper  
56 100  
69 151.7 26.7 40.1#  
84 109.6 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 56.433 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028247.D

Acq: 21 Apr 2022 17:33

Instrument :

MSVOA\_X

ClientSampleId :

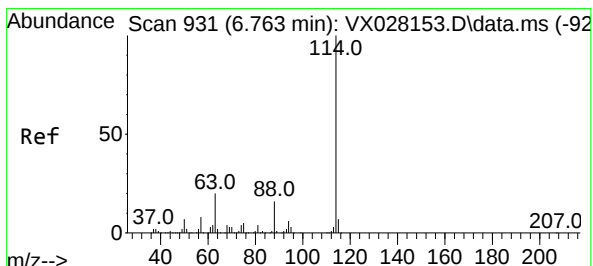
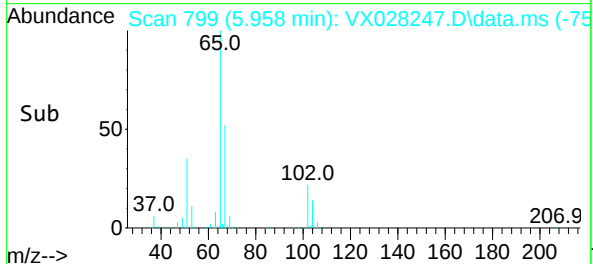
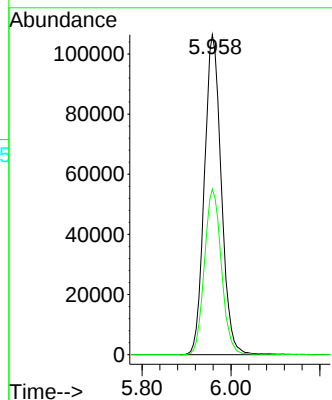
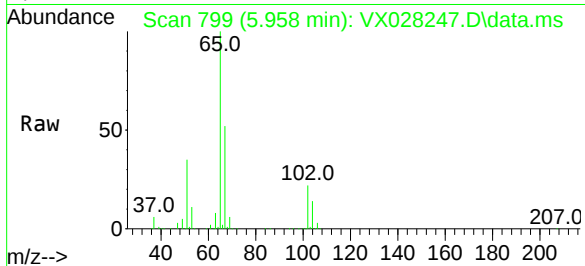
31584

Tgt Ion: 65 Resp: 281660

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028247.D

Acq: 21 Apr 2022 17:33

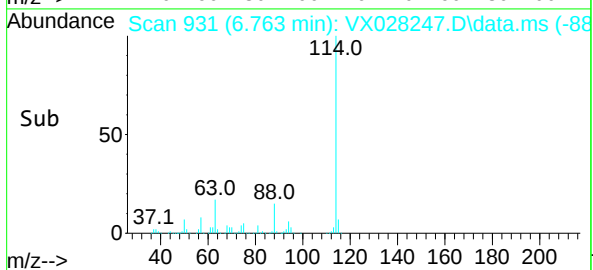
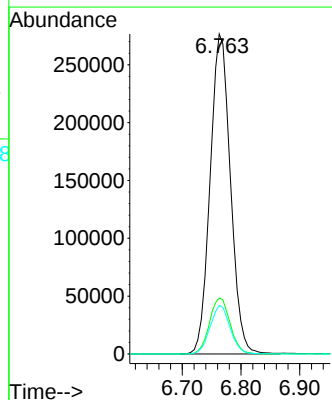
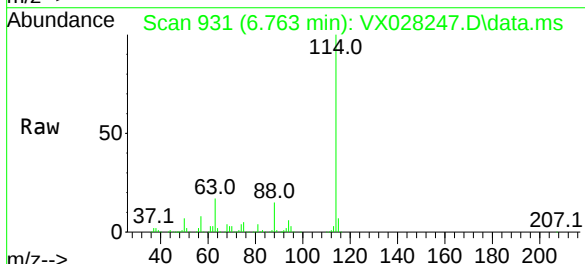
Tgt Ion: 114 Resp: 663620

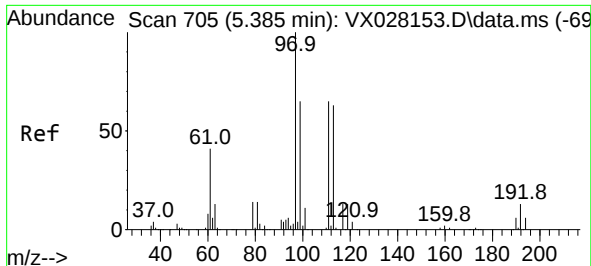
Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.8

88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.825 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028247.D

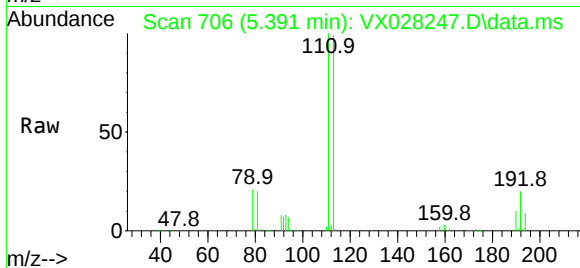
Acq: 21 Apr 2022 17:33

Instrument :

MSVOA\_X

ClientSampleId :

31584



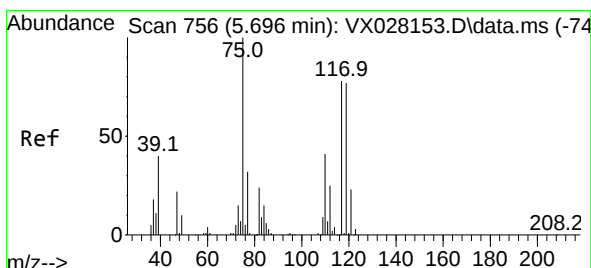
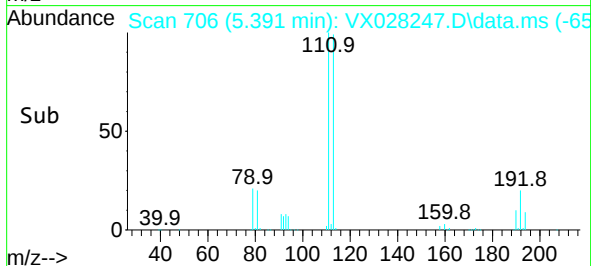
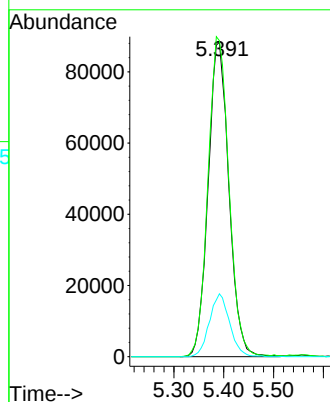
Tgt Ion:113 Resp: 255149

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 19.5 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.614 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028247.D

Acq: 21 Apr 2022 17:33

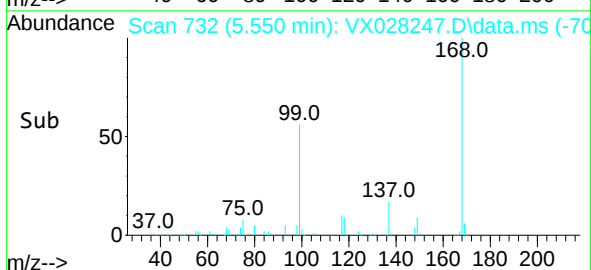
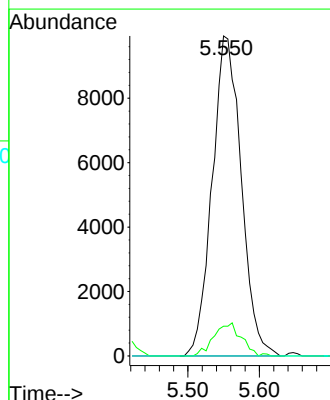
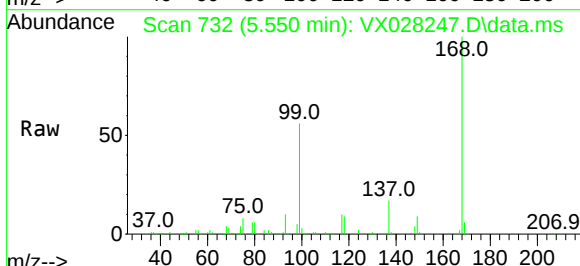
Tgt Ion: 75 Resp: 28007

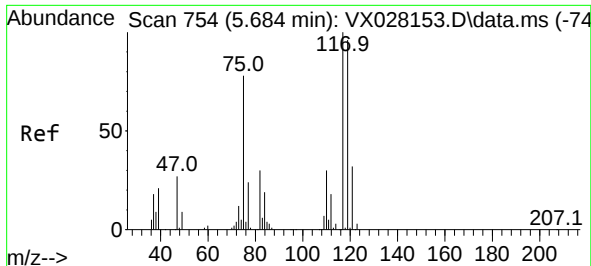
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 24.8 37.2#

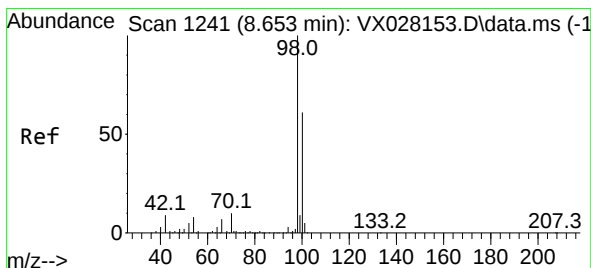
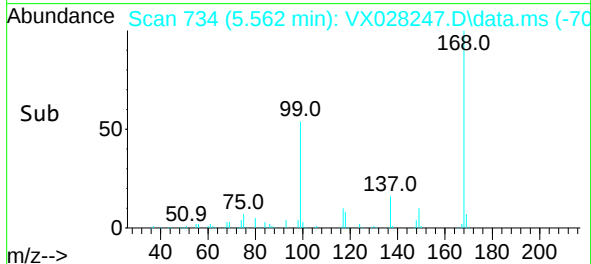
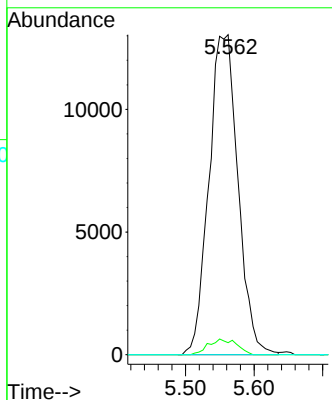
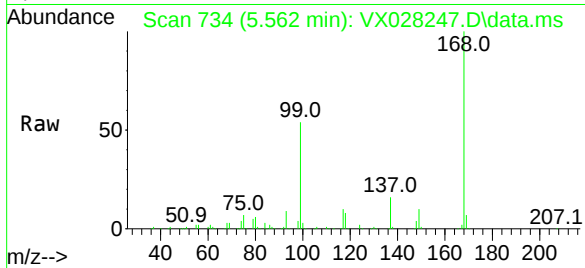




#38  
Carbon Tetrachloride  
Concen: 5.607 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.122 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

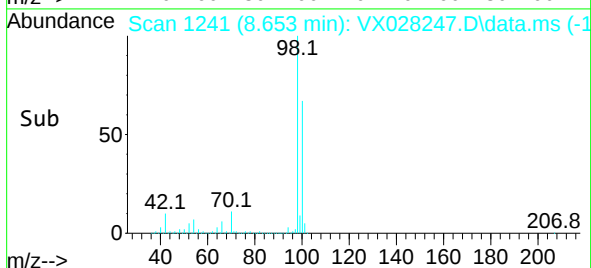
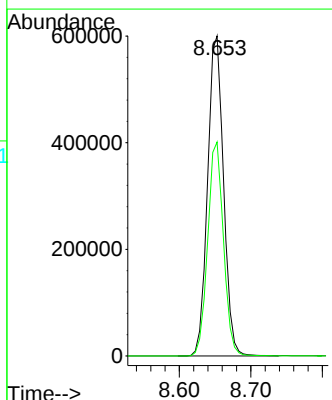
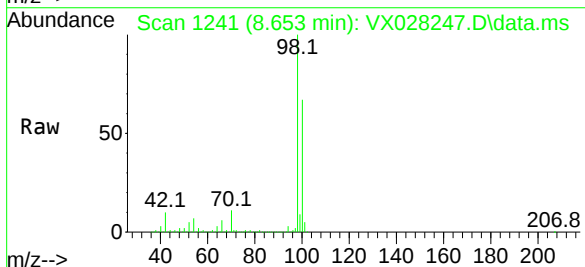
Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

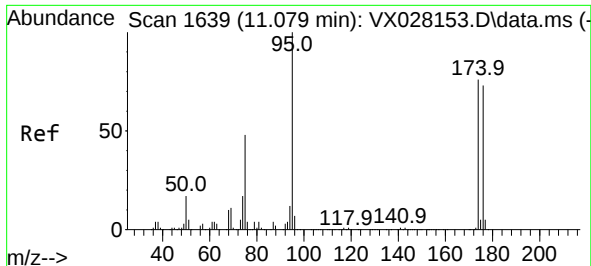
Tgt Ion:117 Resp: 38424  
Ion Ratio Lower Upper  
117 100  
119 3.7 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 51.936 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion: 98 Resp: 928350  
Ion Ratio Lower Upper  
98 100  
100 66.1 52.6 78.8

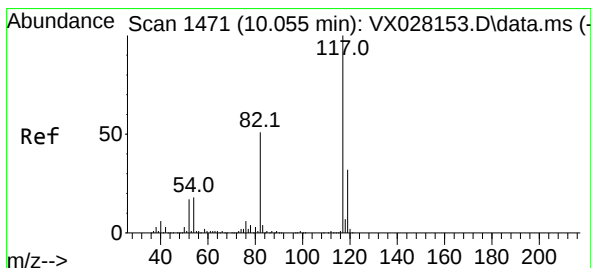
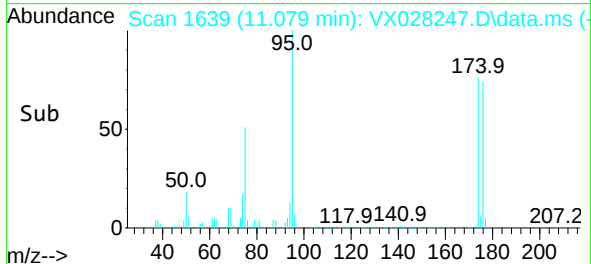
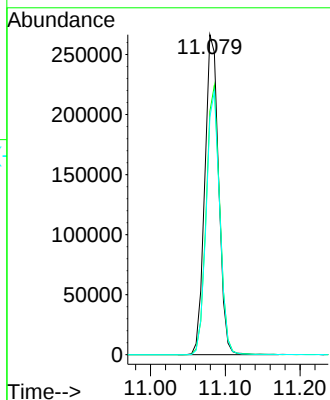
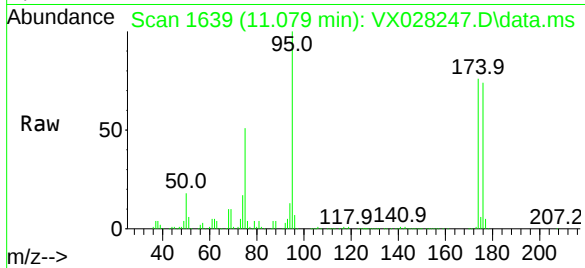




#62  
4-Bromofluorobenzene  
Concen: 50.112 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

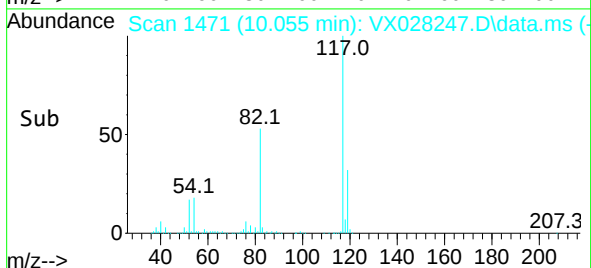
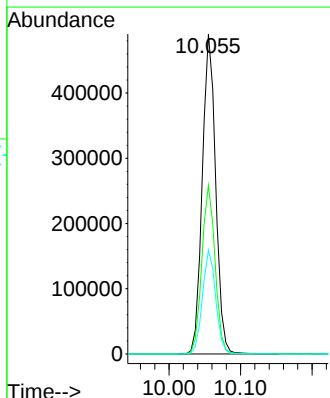
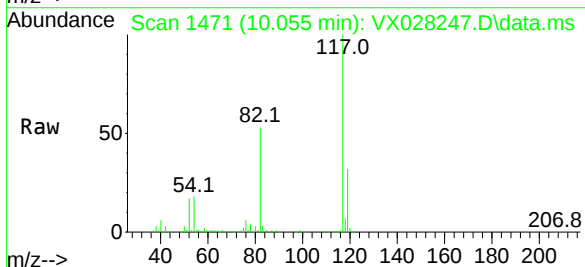
Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

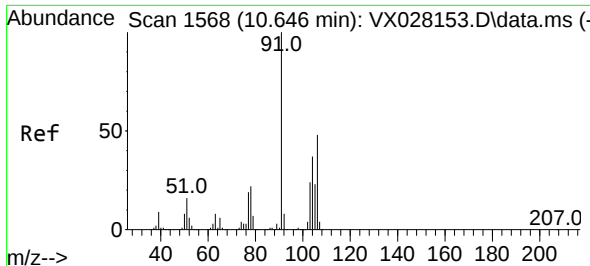
Tgt Ion: 95 Resp: 342493  
Ion Ratio Lower Upper  
95 100  
174 82.6 0.0 163.0  
176 80.5 0.0 155.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion: 117 Resp: 636346  
Ion Ratio Lower Upper  
117 100  
82 52.7 41.8 62.8  
119 32.4 24.8 37.2

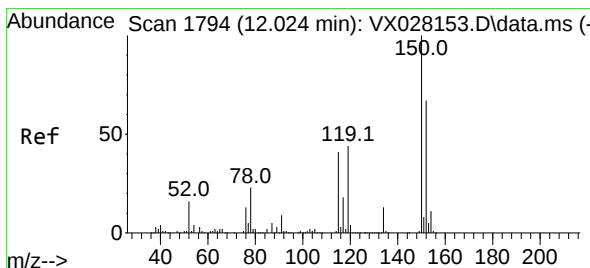
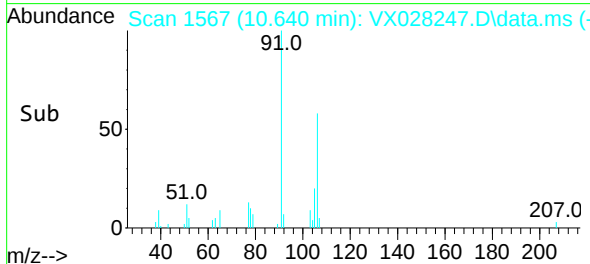
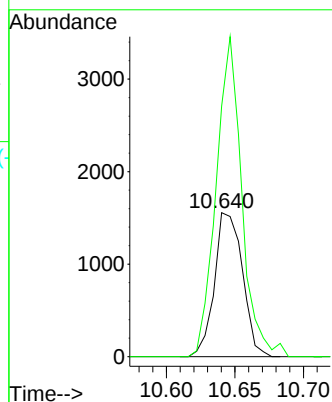
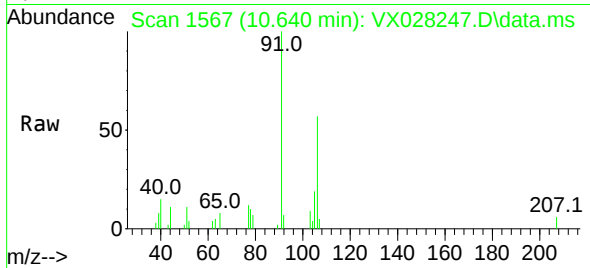




#69  
o-Xylene  
Concen: 0.240 ug/l  
RT: 10.640 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

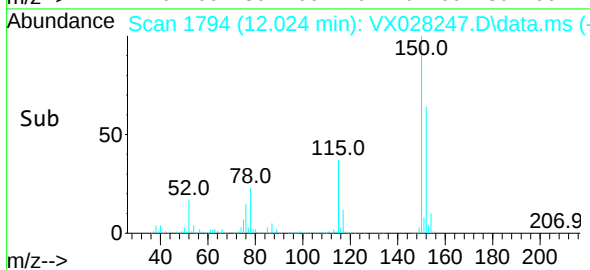
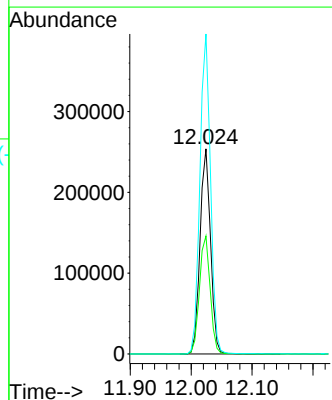
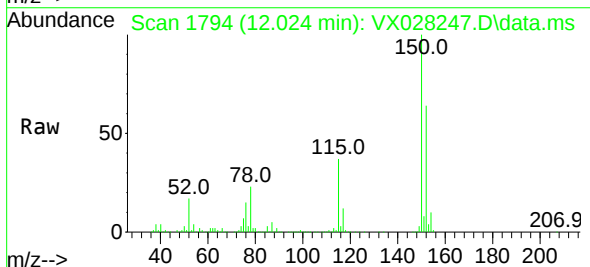
Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

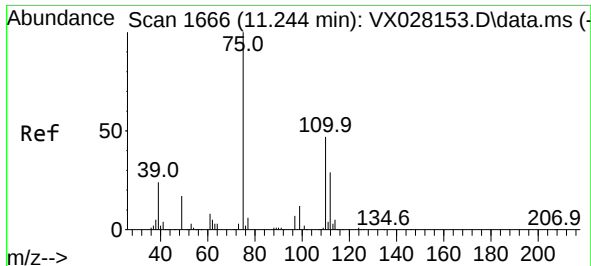
Tgt Ion:106 Resp: 2211  
Ion Ratio Lower Upper  
106 100  
91 203.9 106.1 318.1



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion:152 Resp: 302849  
Ion Ratio Lower Upper  
152 100  
115 58.9 37.5 112.7  
150 157.2 0.0 338.2

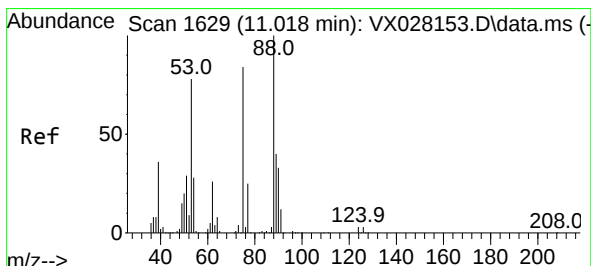
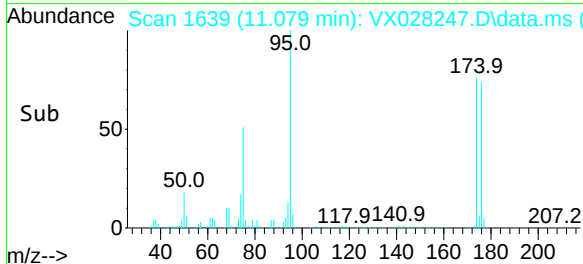
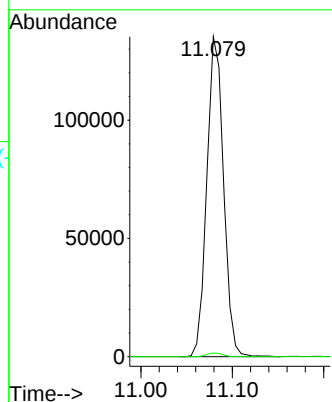
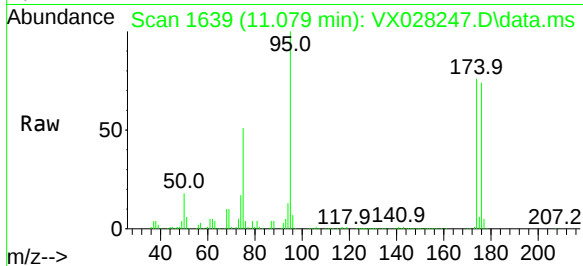




#76  
1,2,3-Trichloropropane  
Concen: 28.839 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.165 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

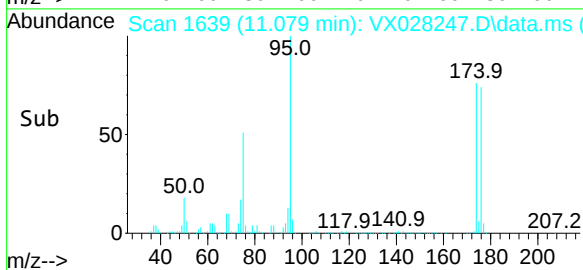
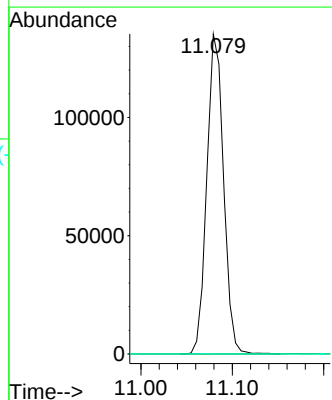
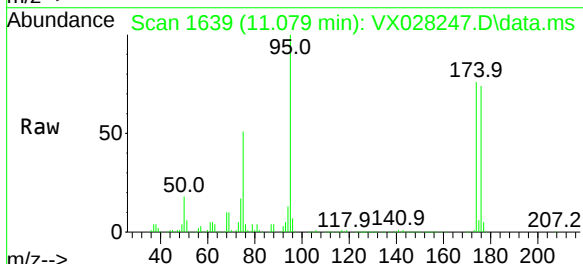
Instrument :  
MSVOA\_X  
ClientSampleId :  
31584

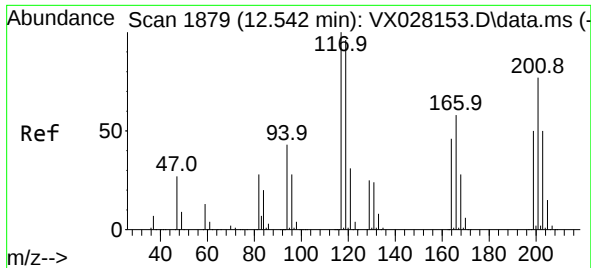
Tgt Ion: 75 Resp: 171891  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.703 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028247.D  
Acq: 21 Apr 2022 17:33

Tgt Ion: 75 Resp: 171891  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#





#90  
 Hexachloroethane  
 Concen: 1.829 ug/l  
 RT: 12.555 min Scan# 11  
 Delta R.T. 0.013 min  
 Lab File: VX028247.D  
 Acq: 21 Apr 2022 17:33

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31584

Tgt Ion:117 Resp: 52  
 Ion Ratio Lower Upper  
 117 100  
 201 0.0 39.5 118.5#

