

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032122\  
 Data File : VX027599.D  
 Acq On : 21 Mar 2022 20:22  
 Operator : JC/MD  
 Sample : N2000-21DL 4X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Mar 22 05:50:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 15:02:59 2022  
 Response via : Initial Calibration

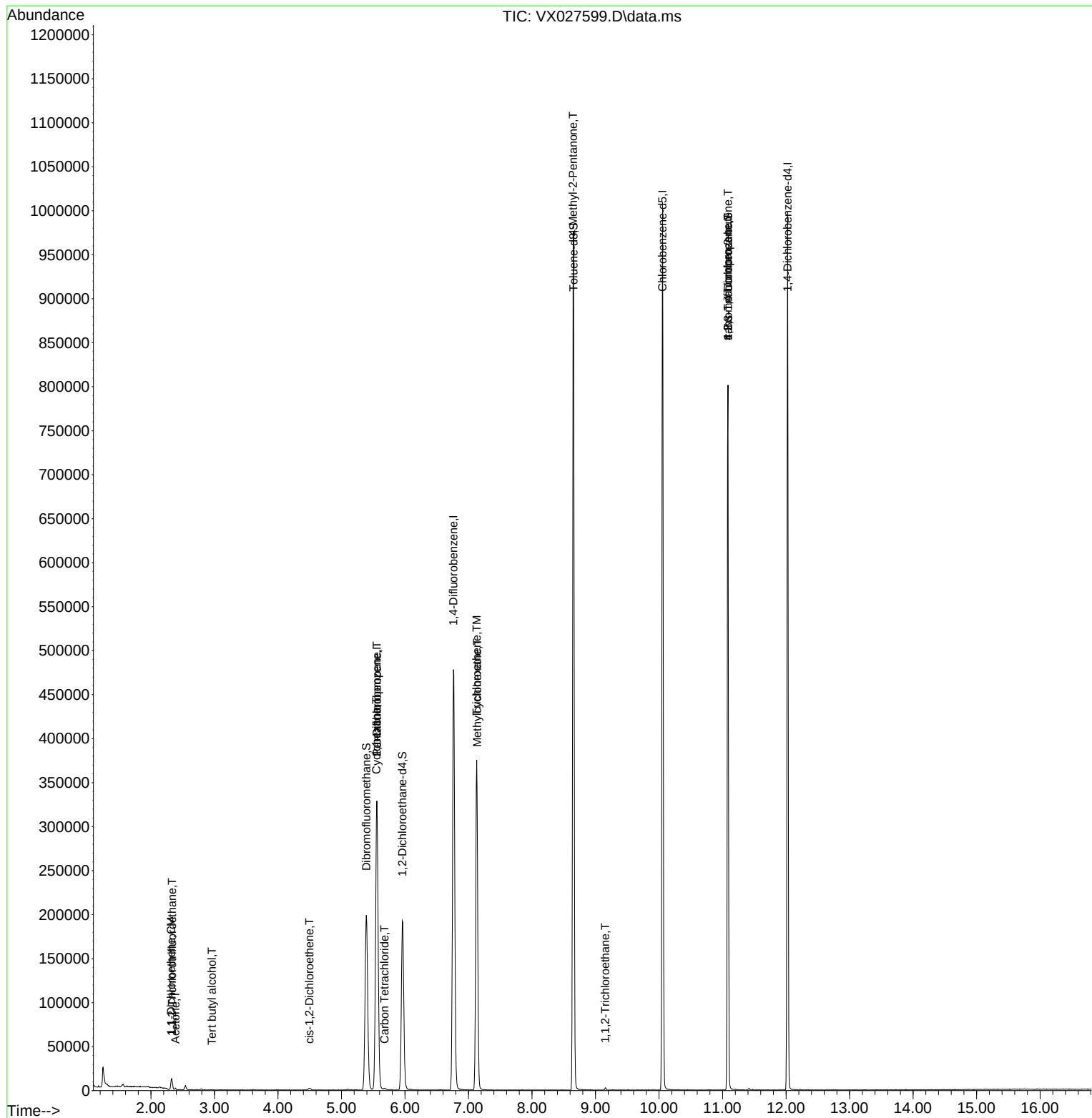
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 328221   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 534415   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 487274   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 215125   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 186388   | 46.097    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery  | =      | 92.200%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 176550   | 51.348    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery  | =      | 102.700% |
| 50) Toluene-d8                | 8.653  | 98    | 620875   | 47.719    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery  | =      | 95.440%  |
| 62) 4-Bromofluorobenzene      | 11.085 | 95    | 219045   | 45.804    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery  | =      | 91.600%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 1.611  | 94    | 544      | Below Cal |        | 87       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.331  | 101   | 3128     | 0.985     | ug/l   | 86       |
| 11) Tert butyl alcohol        | 2.959  | 59    | 163      | 0.212     | ug/l # | 72       |
| 12) 1,1-Dichloroethene        | 2.319  | 96    | 2013     | 0.660     | ug/l   | 96       |
| 16) Acetone                   | 2.386  | 43    | 1532     | 0.930     | ug/l   | 91       |
| 27) cis-1,2-Dichloroethene    | 4.495  | 96    | 1500     | 0.398     | ug/l   | 82       |
| 31) Cyclohexane               | 5.550  | 56    | 5145     | 1.025     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 22313    | 4.749     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.678  | 117   | 1431     | 0.266     | ug/l   | 94       |
| 39) Methylcyclohexane         | 7.135  | 83    | 1604     | 0.271     | ug/l # | 1        |
| 44) Trichloroethene           | 7.129  | 130   | 157747   | 38.549    | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1765     | 0.367     | ug/l # | 1        |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97    | 798      | 0.217     | ug/l # | 85       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75    | 102320   | 22.739    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75    | 102320   | 69.060    | ug/l # | 15       |
| -----                         |        |       |          |           |        |          |

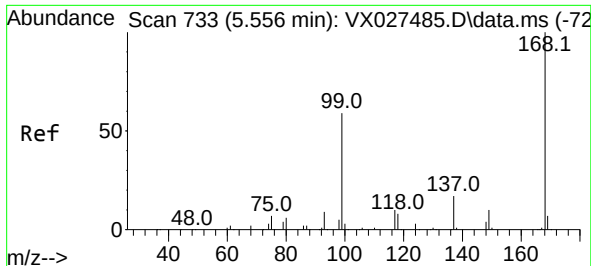
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Mar 22 05:50:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031722W.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 15:02:59 2022  
Response via : Initial Calibration

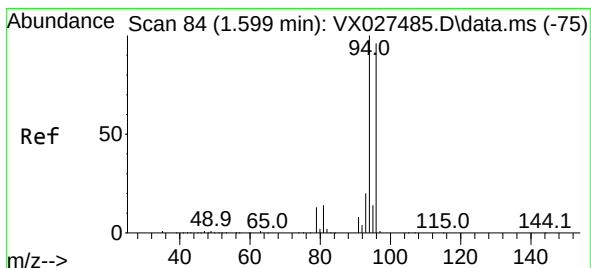
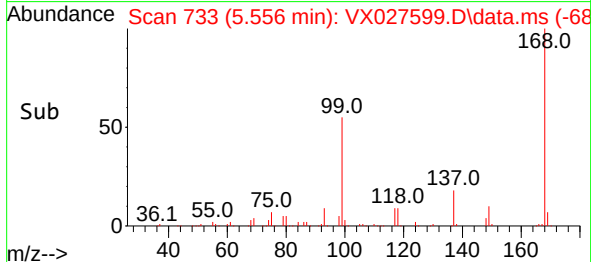
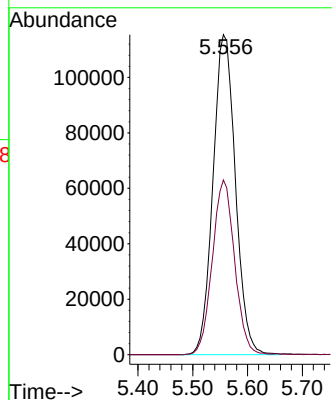
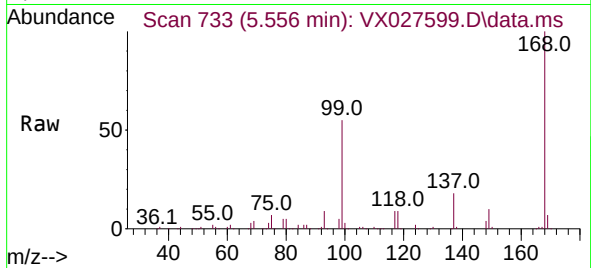




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

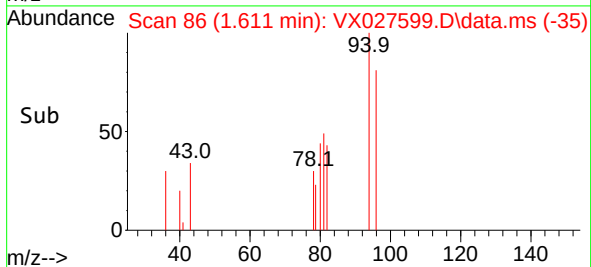
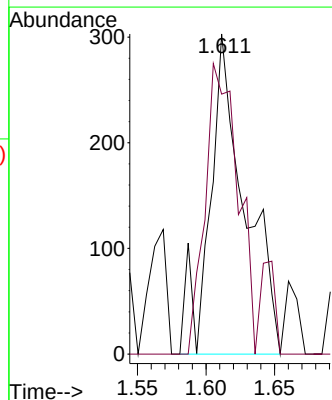
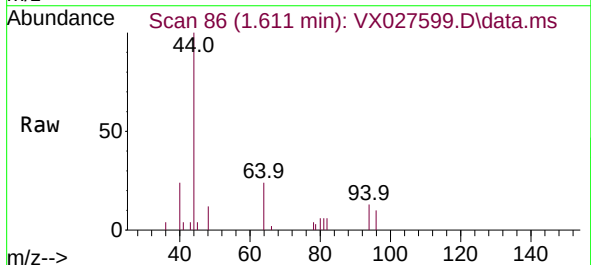
Instrument :  
MSVOA\_X  
ClientSampleId :

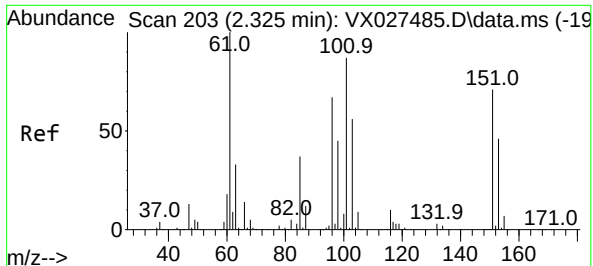
Tgt Ion:168 Resp: 328221  
Ion Ratio Lower Upper  
168 100  
99 54.6 41.7 62.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.611 min Scan# 86  
Delta R.T. 0.012 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Tgt Ion: 94 Resp: 544  
Ion Ratio Lower Upper  
94 100  
96 81.2 75.3 112.9

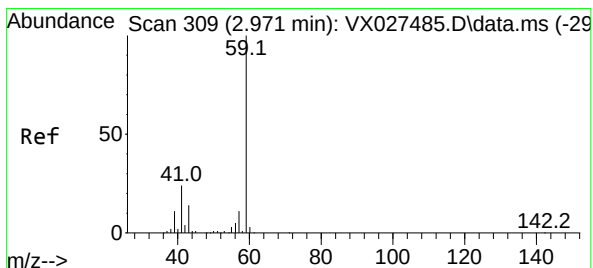
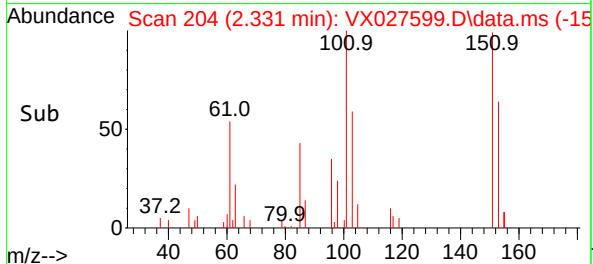
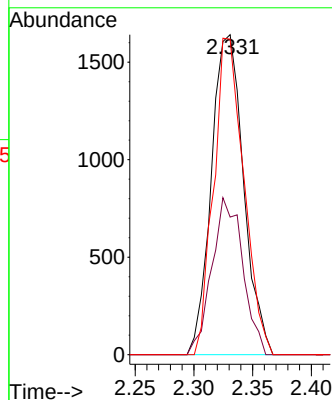
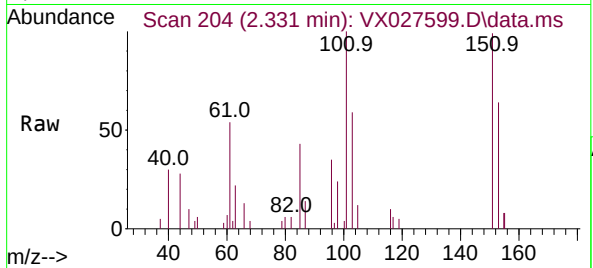




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.985 ug/l  
RT: 2.331 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

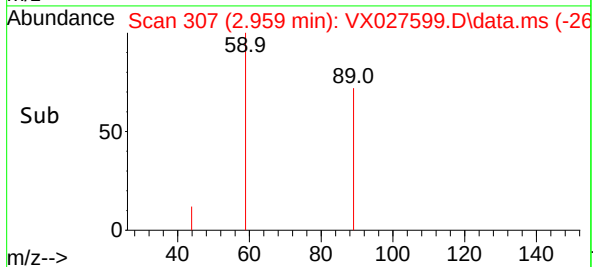
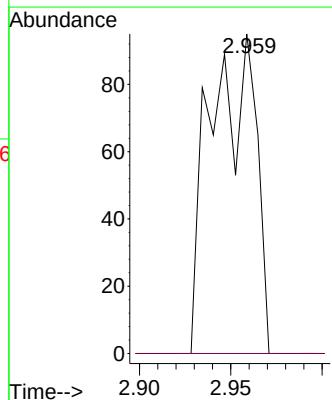
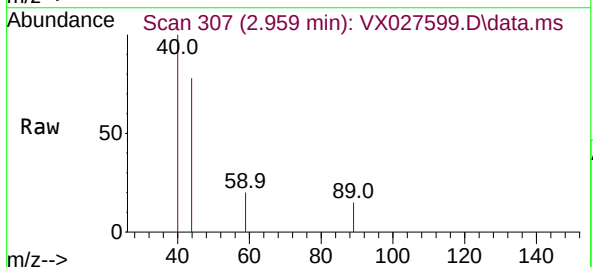
Instrument :  
MSVOA\_X  
ClientSampleId :

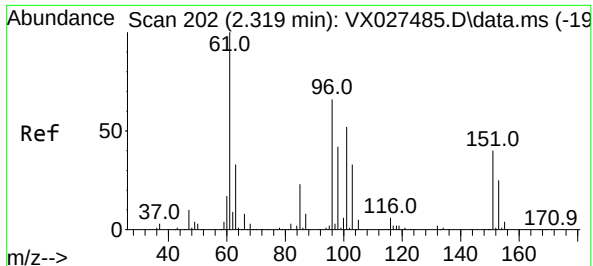
Tgt Ion:101 Resp: 3128  
Ion Ratio Lower Upper  
101 100  
85 47.1 33.5 50.3  
151 92.4 61.8 92.6



#11  
Tert butyl alcohol  
Concen: 0.212 ug/l  
RT: 2.959 min Scan# 307  
Delta R.T. -0.012 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Tgt Ion: 59 Resp: 163  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.660 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX027599.D

Acq: 21 Mar 2022 20:22

Instrument :

MSVOA\_X

ClientSampleId :

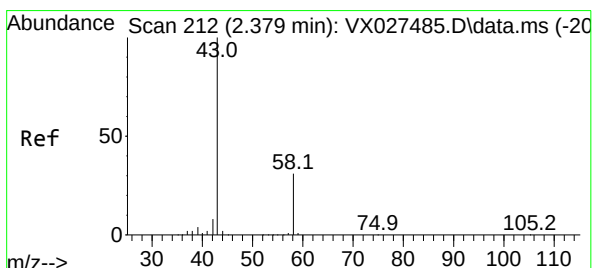
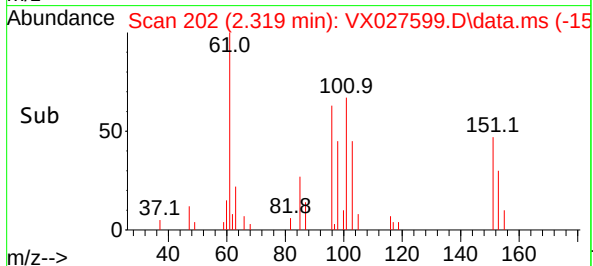
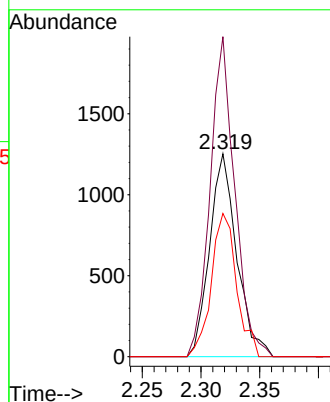
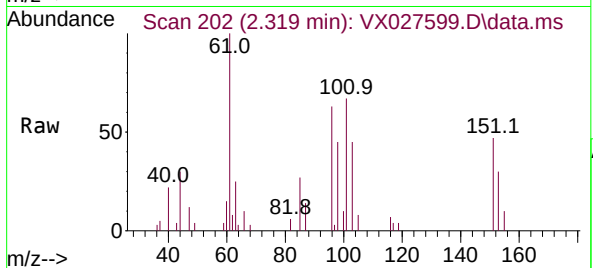
Tgt Ion: 96 Resp: 2013

Ion Ratio Lower Upper

96 100

61 157.7 124.6 187.0

98 70.6 51.0 76.4



#16

Acetone

Concen: 0.930 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX027599.D

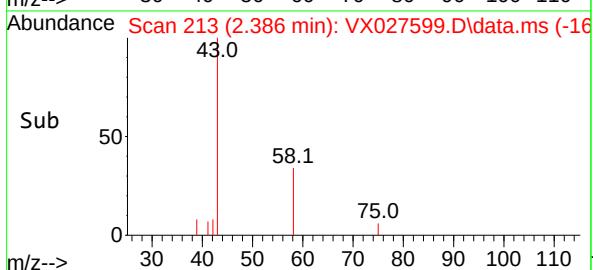
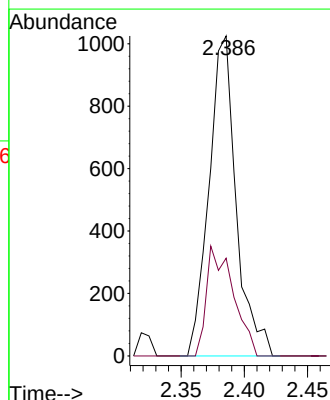
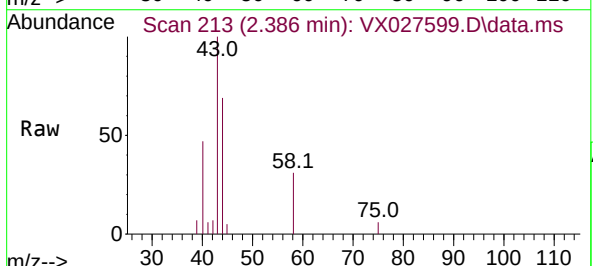
Acq: 21 Mar 2022 20:22

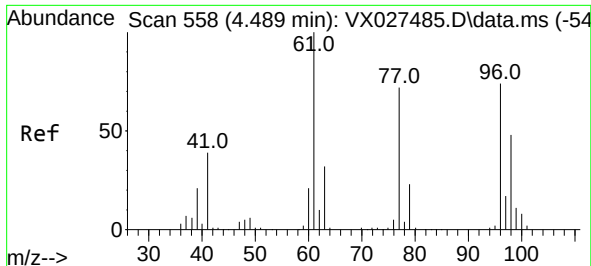
Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

58 30.5 28.8 43.2





#27

cis-1,2-Dichloroethene

Concen: 0.398 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

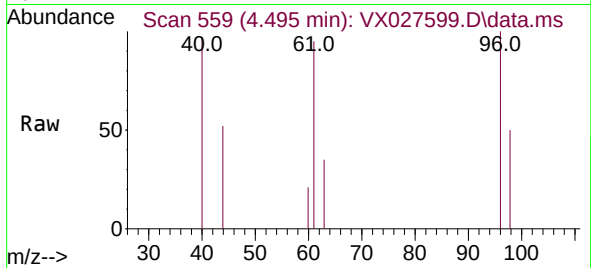
Lab File: VX027599.D

Acq: 21 Mar 2022 20:22

Instrument :

MSVOA\_X

ClientSampleId :



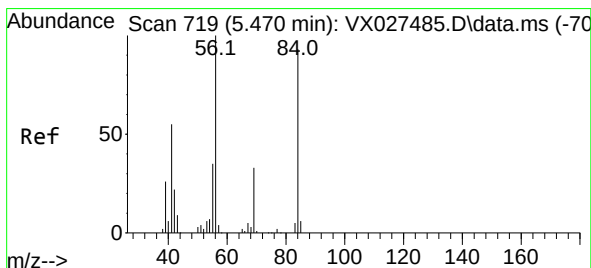
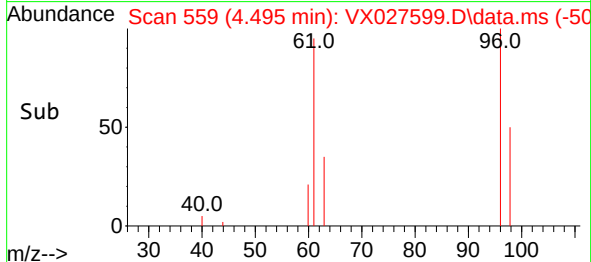
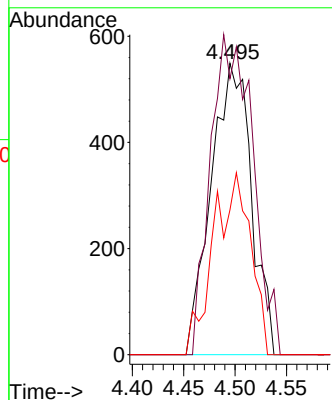
Tgt Ion: 96 Resp: 1500

Ion Ratio Lower Upper

96 100

61 114.9 0.0 283.8

98 57.5 0.0 129.8



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX027599.D

Acq: 21 Mar 2022 20:22

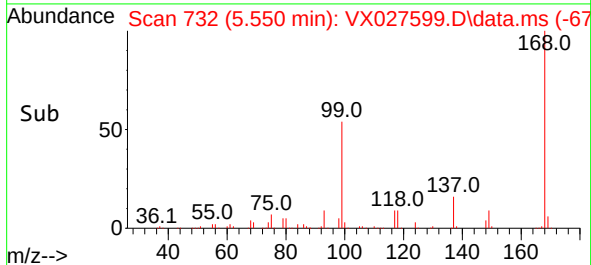
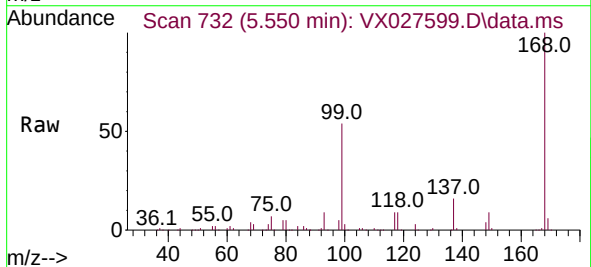
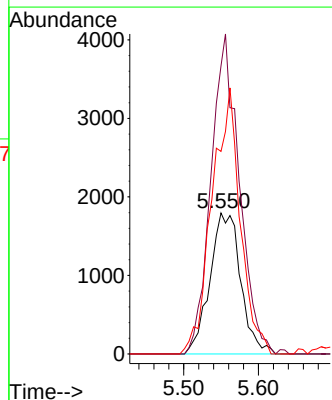
Tgt Ion: 56 Resp: 5145

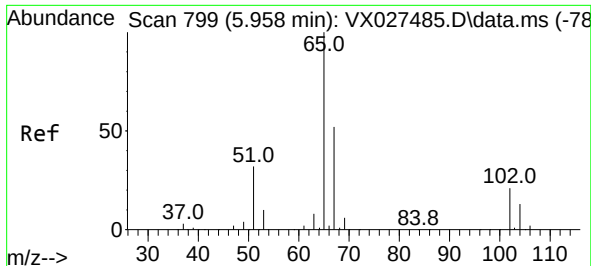
Ion Ratio Lower Upper

56 100

69 204.3 26.7 40.1#

84 143.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.097 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027599.D

Acq: 21 Mar 2022 20:22

Instrument :

MSVOA\_X

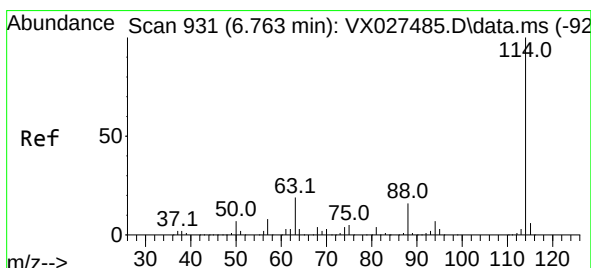
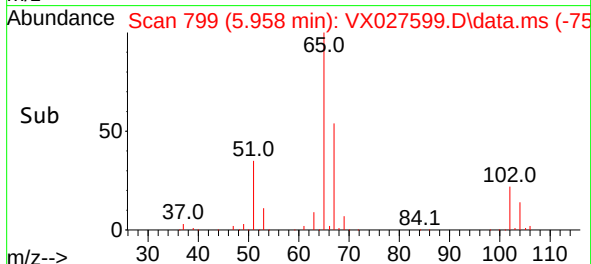
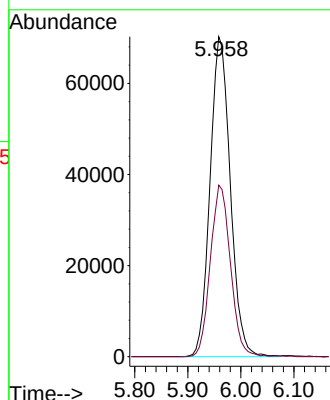
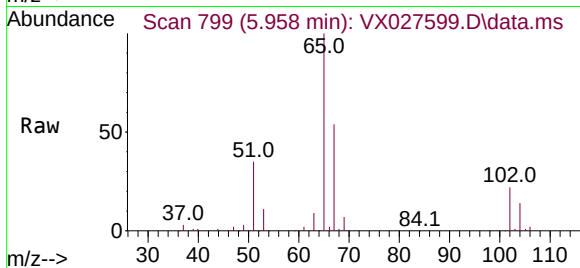
ClientSampleId :

Tgt Ion: 65 Resp: 186388

Ion Ratio Lower Upper

65 100

67 53.2 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: VX027599.D

Acq: 21 Mar 2022 20:22

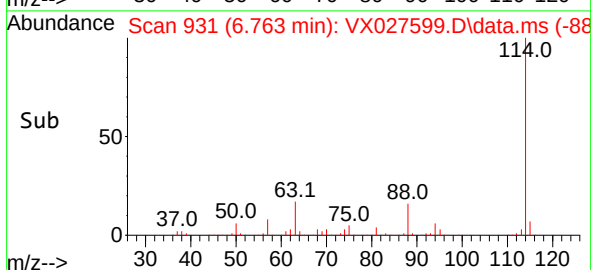
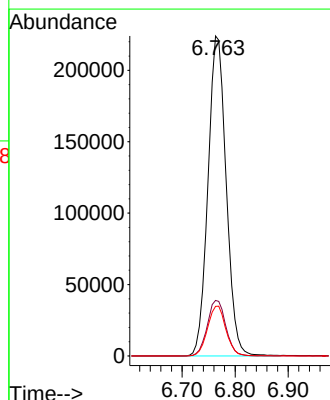
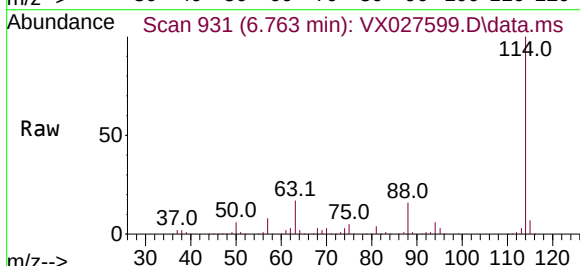
Tgt Ion: 114 Resp: 534415

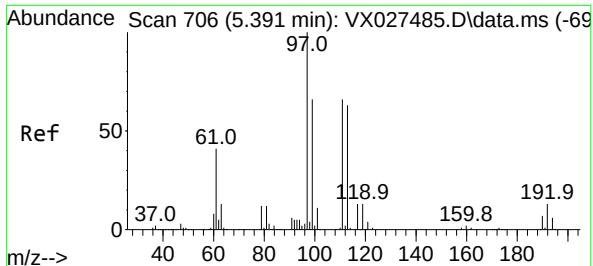
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.8

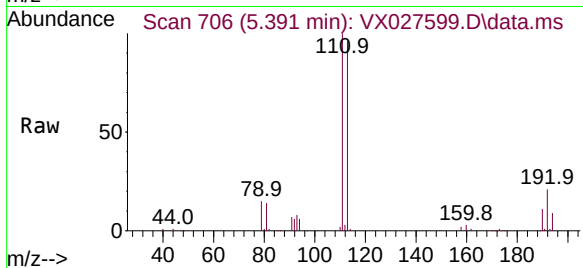
88 15.5 0.0 32.4



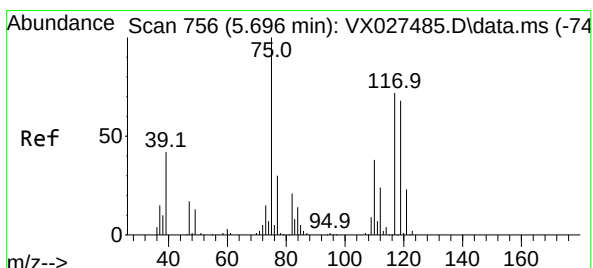
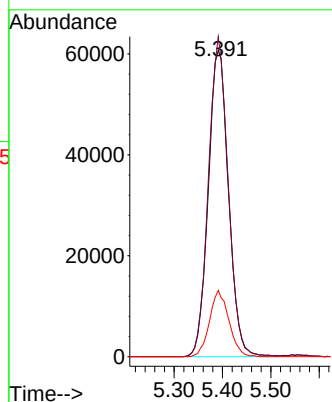
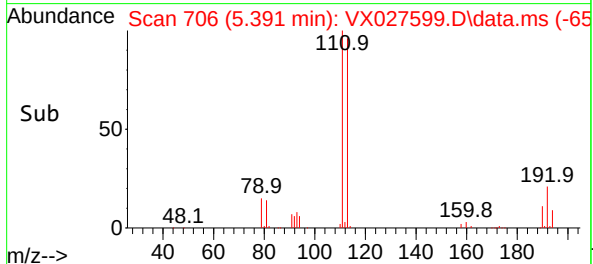


#35  
Dibromofluoromethane  
Concen: 51.348 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Instrument :  
MSVOA\_X  
ClientSampleId :

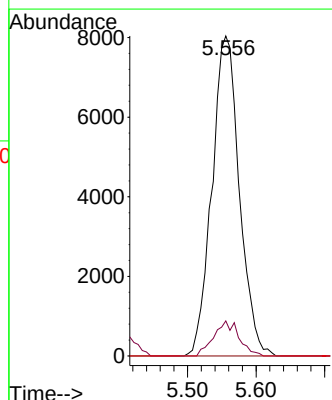
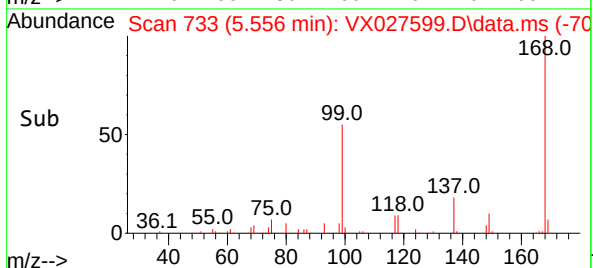
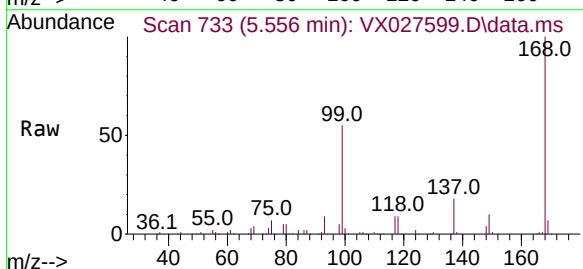


Tgt Ion:113 Resp: 176550  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.8 124.2  
192 20.7 16.9 25.3

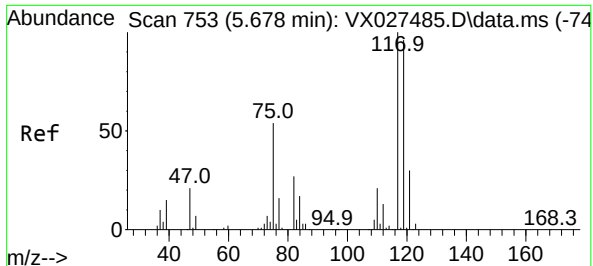


#36  
1,1-Dichloropropene  
Concen: 4.749 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. -0.140 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Tgt Ion: 75 Resp: 22313  
Ion Ratio Lower Upper  
75 100  
110 10.1 18.3 54.8#  
77 0.0 24.8 37.2#

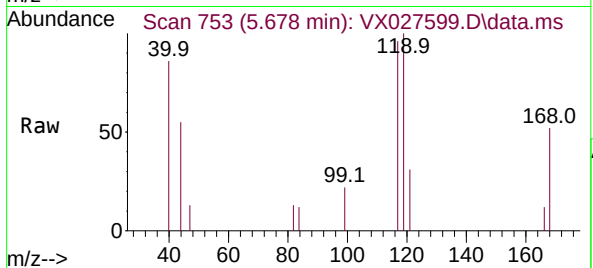




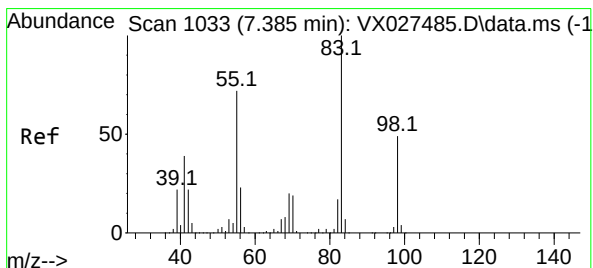
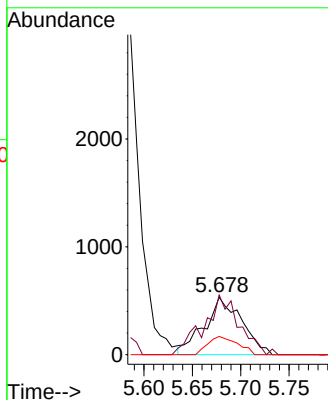
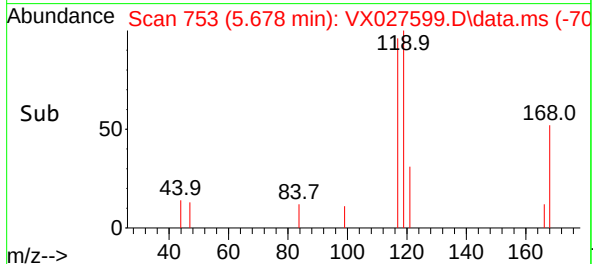


#38  
Carbon Tetrachloride  
Concen: 0.266 ug/l  
RT: 5.678 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Instrument :  
MSVOA\_X  
ClientSampleId :

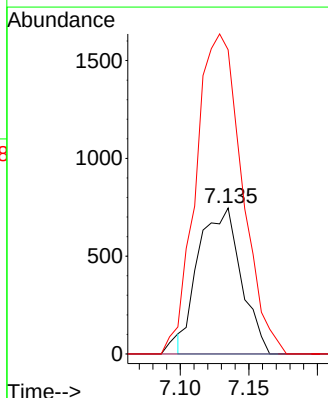
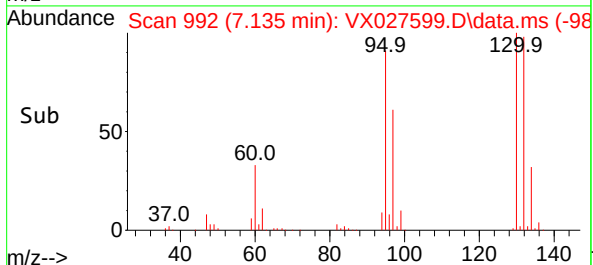
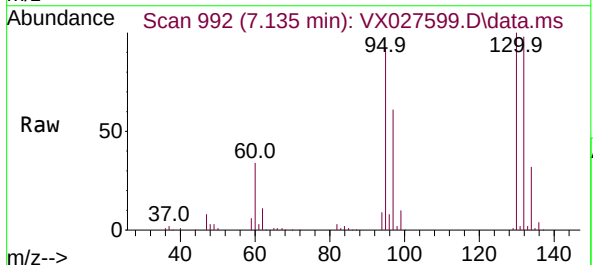


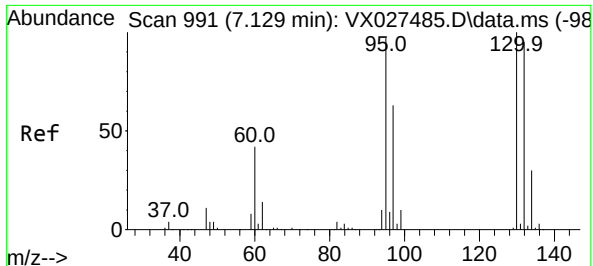
Tgt Ion:117 Resp: 1431  
Ion Ratio Lower Upper  
117 100  
119 103.9 77.3 115.9  
121 31.7 24.2 36.2



#39  
Methylcyclohexane  
Concen: 0.271 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. -0.250 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Tgt Ion: 83 Resp: 1604  
Ion Ratio Lower Upper  
83 100  
55 0.0 54.6 81.8#  
98 200.0 37.4 56.2#

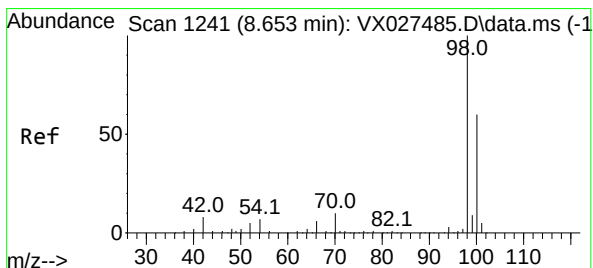
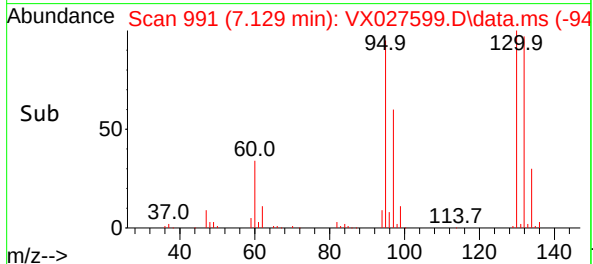
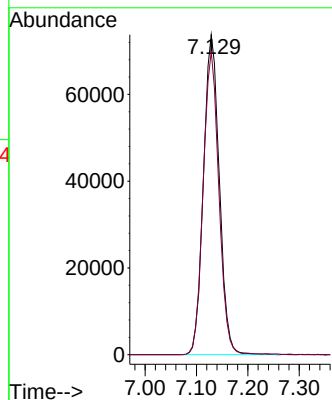
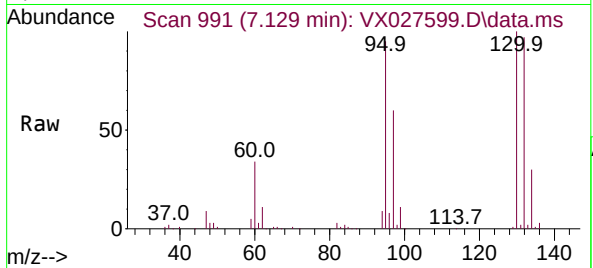




#44  
Trichloroethene  
Concen: 38.549 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

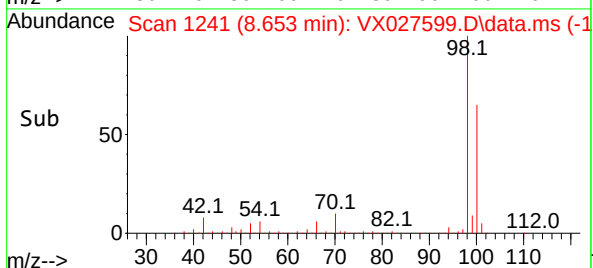
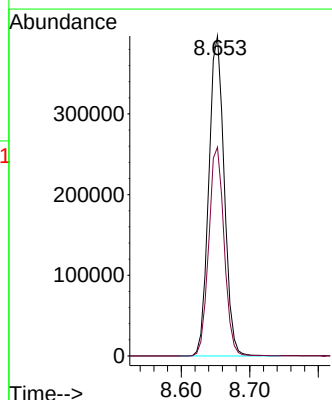
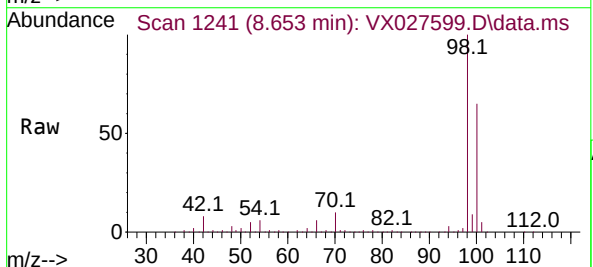
Instrument :  
MSVOA\_X  
ClientSampleId :

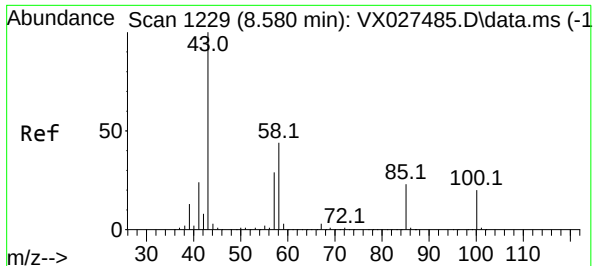
Tgt Ion:130 Resp: 157747  
Ion Ratio Lower Upper  
130 100  
95 94.8 0.0 188.8



#50  
Toluene-d8  
Concen: 47.719 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Tgt Ion: 98 Resp: 620875  
Ion Ratio Lower Upper  
98 100  
100 65.2 52.6 78.8

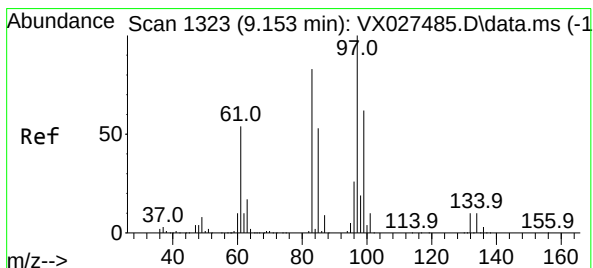
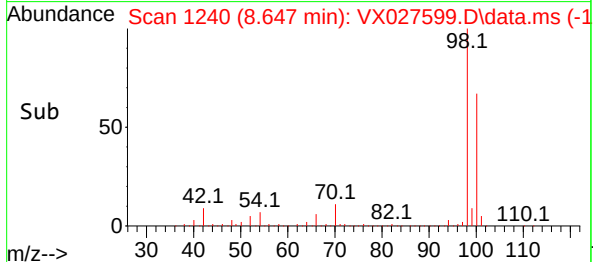
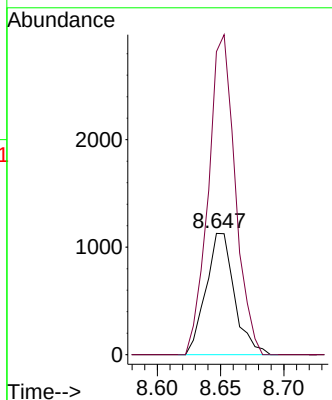
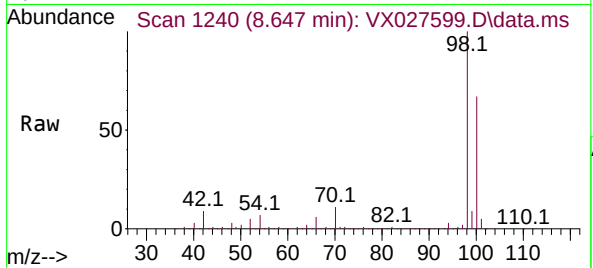




#51  
4-Methyl-2-Pentanone  
Concen: 0.367 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.067 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

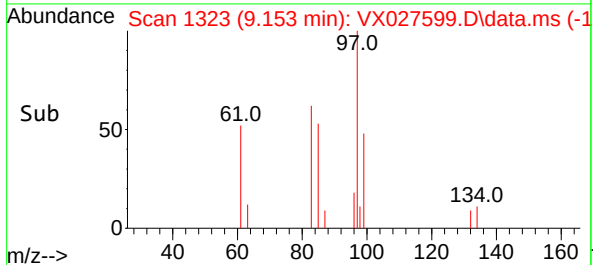
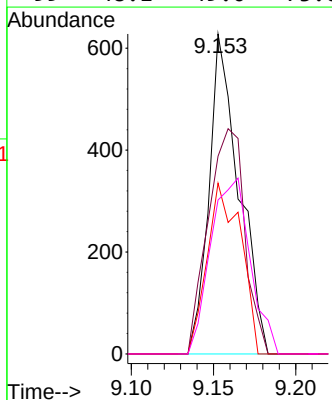
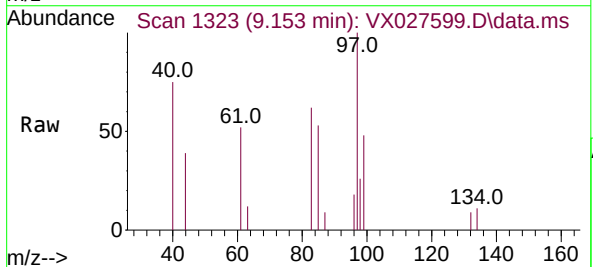
Instrument :  
MSVOA\_X  
ClientSampleId :

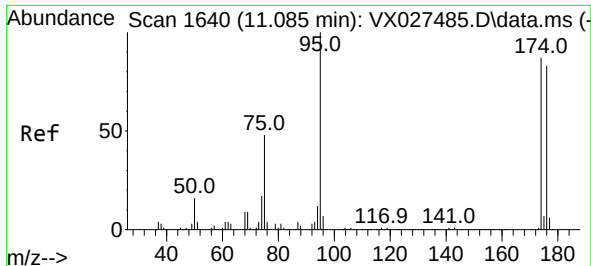
Tgt Ion: 43 Resp: 1765  
Ion Ratio Lower Upper  
43 100  
58 249.5 36.1 54.1#



#55  
1,1,2-Trichloroethane  
Concen: 0.217 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Tgt Ion: 97 Resp: 798  
Ion Ratio Lower Upper  
97 100  
83 61.8 66.2 99.4#  
85 53.3 42.9 64.3  
99 48.1 49.0 73.6#





#62

4-Bromofluorobenzene

Concen: 45.804 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027599.D

Acq: 21 Mar 2022 20:22

Instrument :

MSVOA\_X

ClientSampleId :

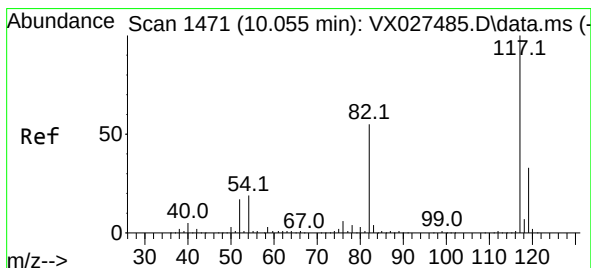
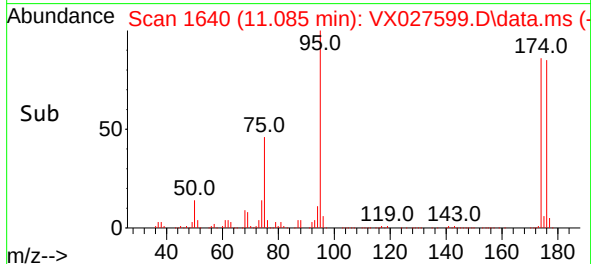
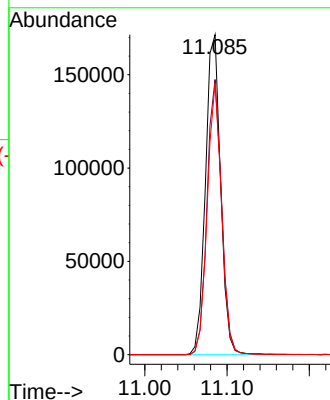
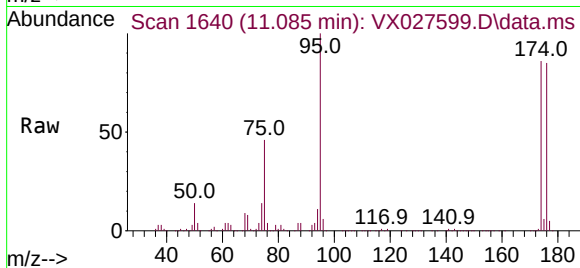
Tgt Ion: 95 Resp: 219045

Ion Ratio Lower Upper

95 100

174 83.5 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: VX027599.D

Acq: 21 Mar 2022 20:22

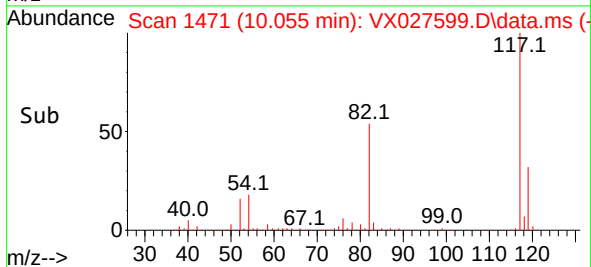
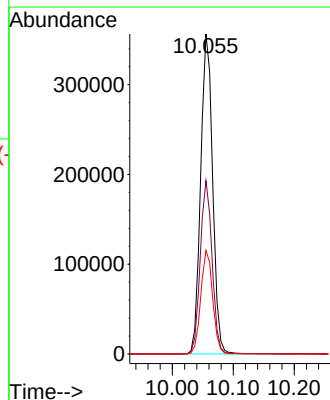
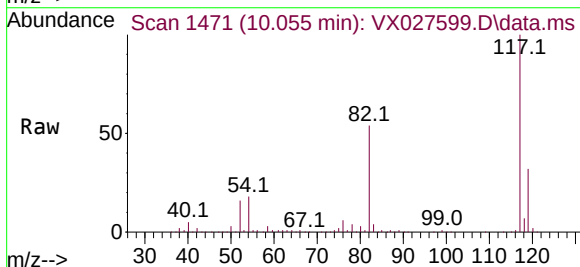
Tgt Ion: 117 Resp: 487274

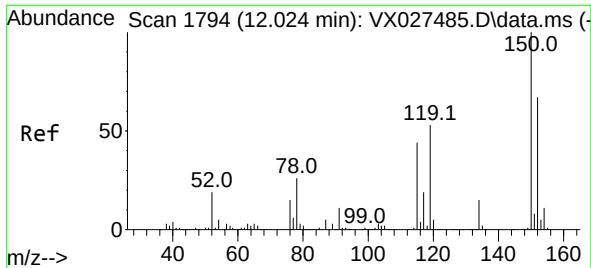
Ion Ratio Lower Upper

117 100

82 54.2 41.8 62.8

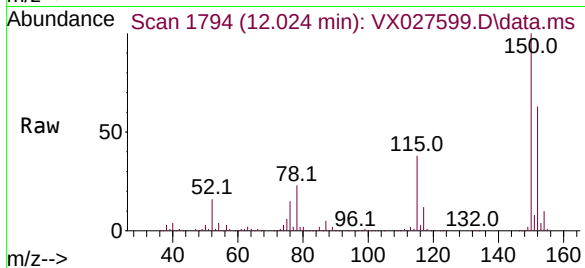
119 32.3 24.8 37.2



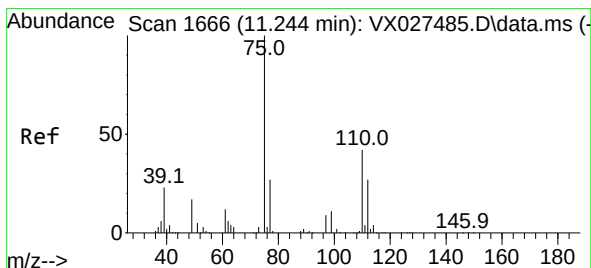
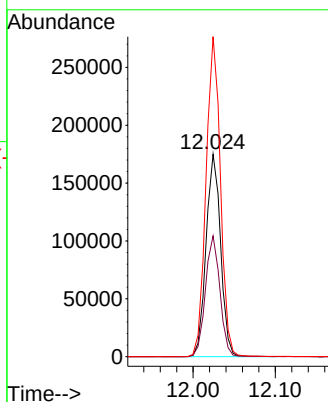
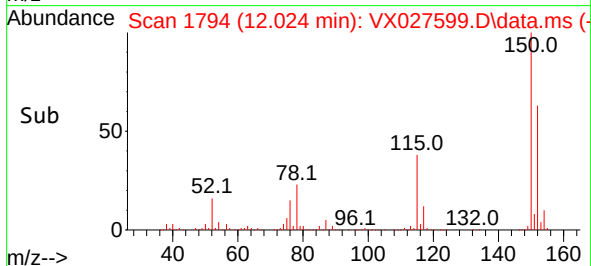


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

Instrument :  
MSVOA\_X  
ClientSampleId :

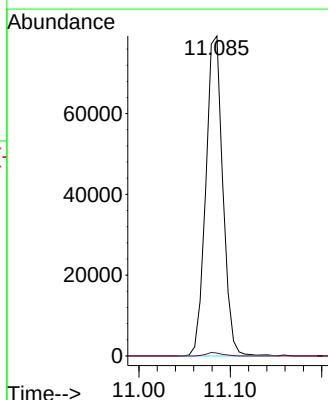
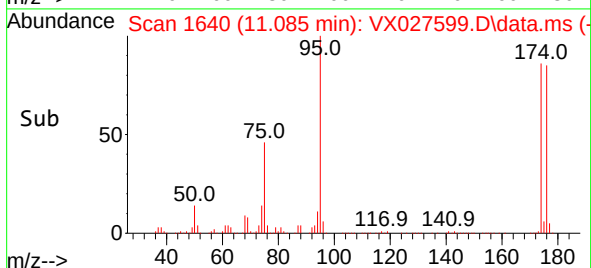
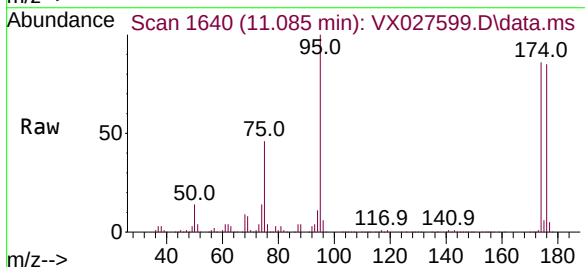


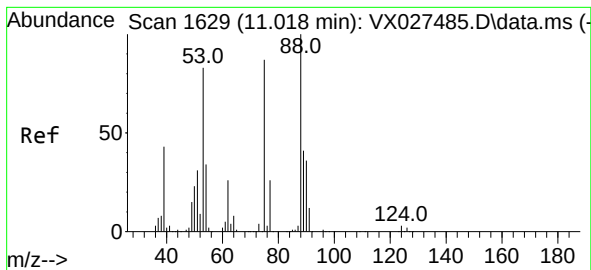
Tgt Ion:152 Resp: 215125  
Ion Ratio Lower Upper  
152 100  
115 59.3 37.5 112.7  
150 156.7 0.0 338.2



#76  
1,2,3-Trichloropropane  
Concen: 22.739 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. -0.158 min  
Lab File: VX027599.D  
Acq: 21 Mar 2022 20:22

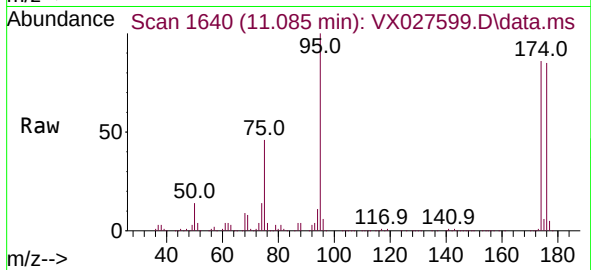
Tgt Ion: 75 Resp: 102320  
Ion Ratio Lower Upper  
75 100  
77 1.0 19.4 58.2#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 69.060 ug/l  
 RT: 11.085 min Scan# 10  
 Delta R.T. 0.067 min  
 Lab File: VX027599.D  
 Acq: 21 Mar 2022 20:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 102320  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 69.0 103.4#  
 89 0.0 37.0 55.6#

