

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052722\  
 Data File : VX029017.D  
 Acq On : 27 May 2022 11:30  
 Operator : JC/MD  
 Sample : VX0527MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0527MBL01

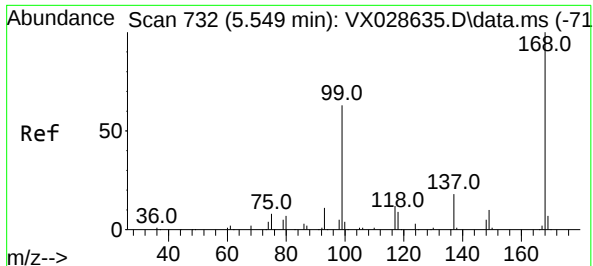
Quant Time: May 27 22:08:26 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 342912     | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 603276     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 579450     | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 271057     | 50.000    | ug/l   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 221342     | 47.089    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 94.180%   |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 197810     | 50.046    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 100.100%  |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 713556     | 47.883    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 95.760%   |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 277197     | 49.802    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 99.600%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           |        |          |
|                               |                |      |            |           | Qvalue |          |
| 5) Bromomethane               | 1.618          | 94   | 1976       | Below Cal | #      | 79       |
| 6) Chloroethane               | 1.691          | 64   | 197        | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 2.459          | 142  | 1064       | 0.232     | ug/l # | 82       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 6706       | Below Cal | #      | 72       |
| 13) Acrolein                  | 2.245          | 56   | 330        | 0.428     | ug/l   | 85       |
| 15) Acrylonitrile             | 3.068          | 53   | 528        | 0.233     | ug/l # | 76       |
| 16) Acetone                   | 2.380          | 43   | 1768       | 0.876     | ug/l   | 88       |
| 18) Methyl Acetate            | 2.709          | 43   | 1203       | 0.238     | ug/l # | 82       |
| 20) Methylene Chloride        | 2.788          | 84   | 3084       | 0.729     | ug/l # | 89       |
| 29) Tetrahydrofuran           | 5.019          | 42   | 449        | 0.218     | ug/l # | 45       |
| 31) Cyclohexane               | 5.550          | 56   | 6391       | 0.980     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 26472      | 4.459     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 35347      | 5.916     | ug/l # | 15       |
| 53) t-1,3-Dichloropropene     | 8.994          | 75   | 172        | 1.665     | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 137072     | 21.593    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 137072     | 63.302    | ug/l # | 15       |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 1126       | 0.208     | ug/l   | 89       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 1276       | 0.580     | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 1349       | 0.248     | ug/l   | 93       |
| -----                         |                |      |            |           |        |          |

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

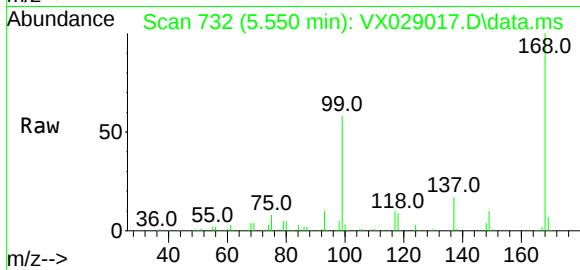
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration



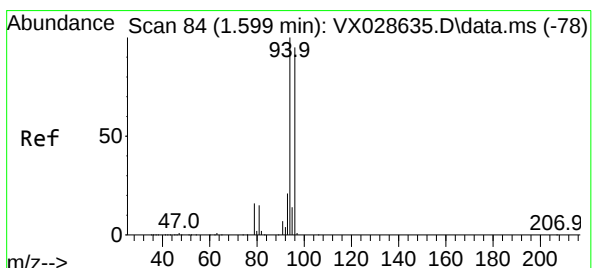
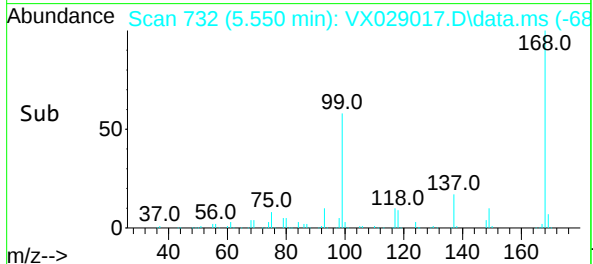
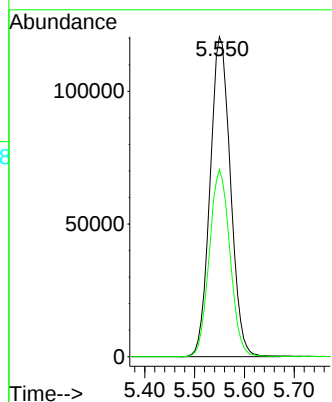


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

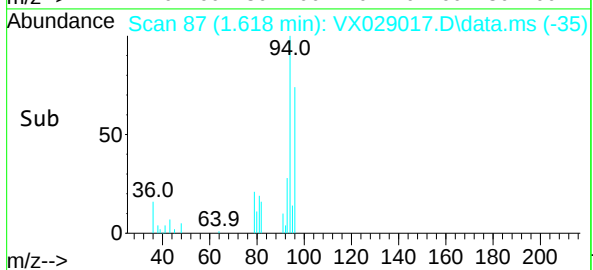
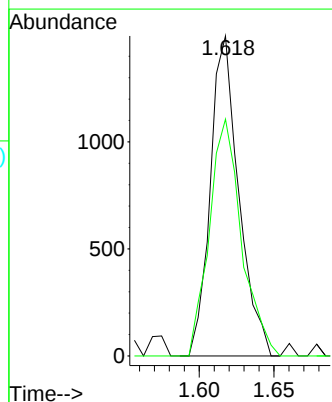
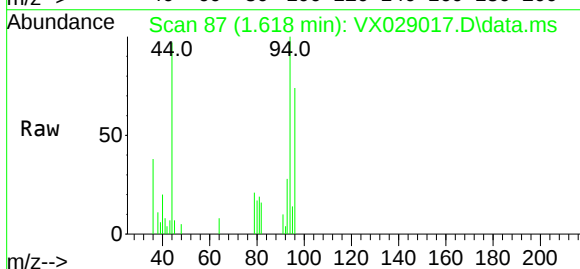


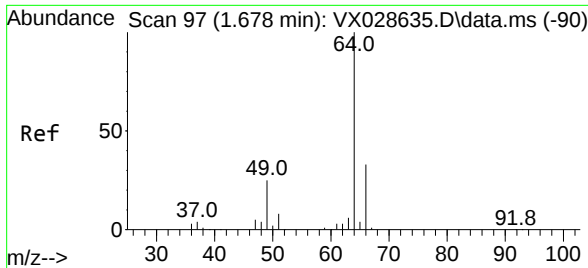
Tgt Ion:168 Resp: 342912  
Ion Ratio Lower Upper  
168 100  
99 58.4 41.7 62.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 94 Resp: 1976  
Ion Ratio Lower Upper  
94 100  
96 74.0 75.3 112.9#

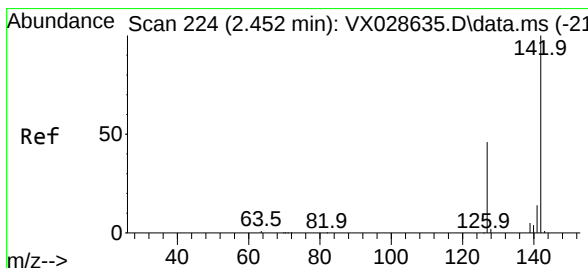
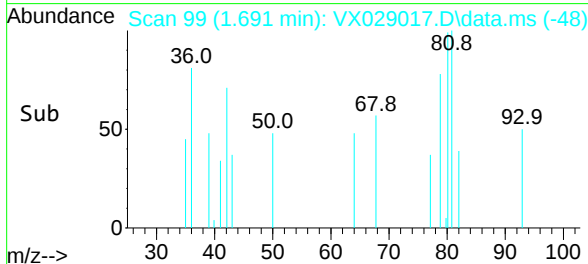
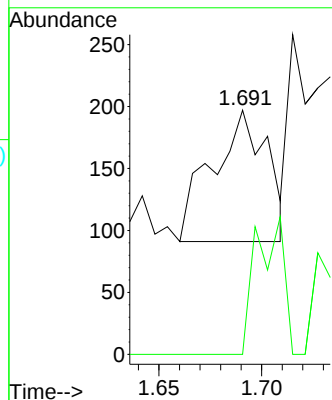
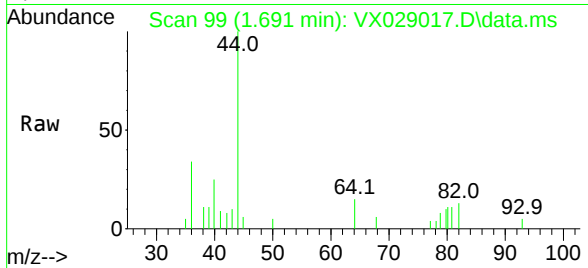




#6  
Chloroethane  
Concen: Below Cal  
RT: 1.691 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

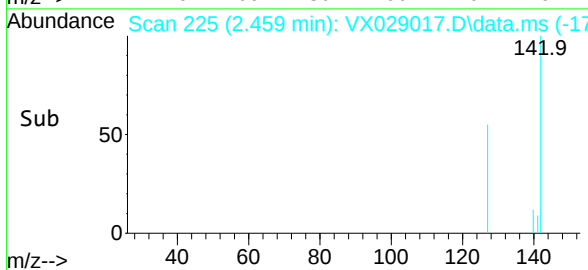
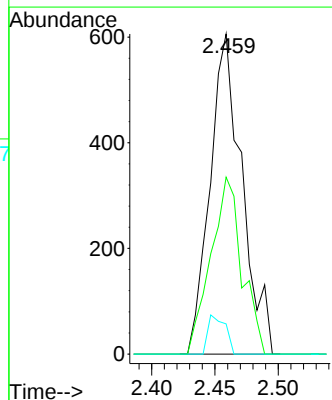
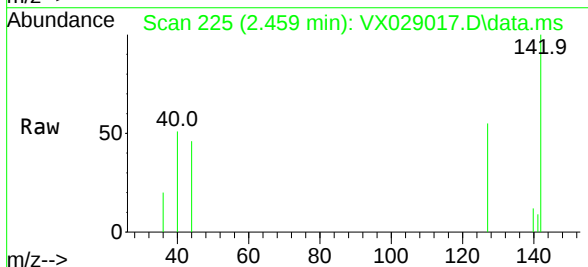
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

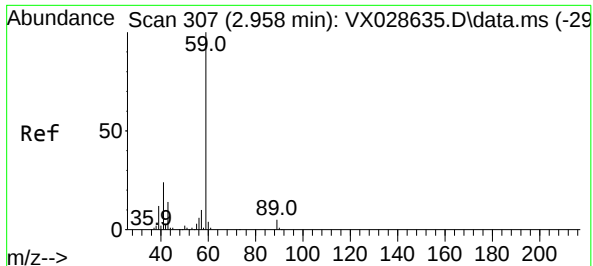
Tgt Ion: 64 Resp: 197  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



#10  
Methyl Iodide  
Concen: 0.232 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.007 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 142 Resp: 1064  
Ion Ratio Lower Upper  
142 100  
127 53.9 33.9 50.9#  
141 6.7 11.4 17.2#

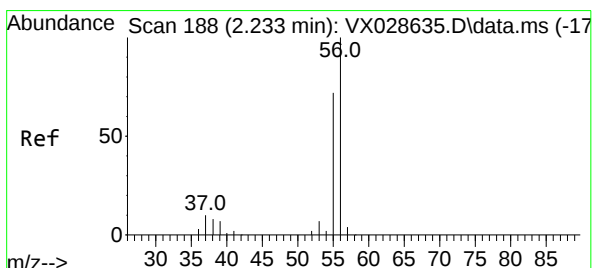
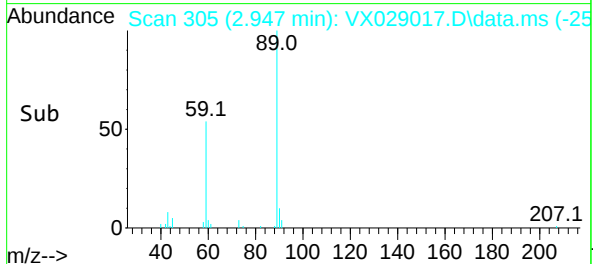
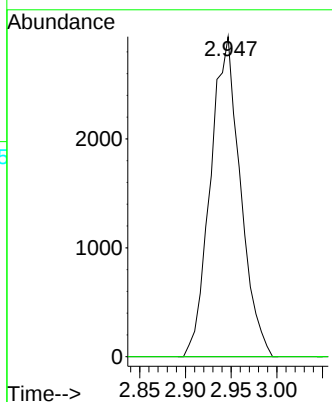
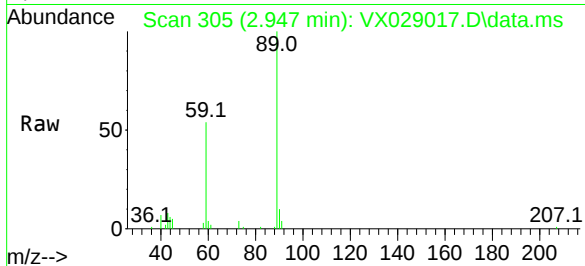




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 2.947 min Scan# 307  
Delta R.T. -0.011 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

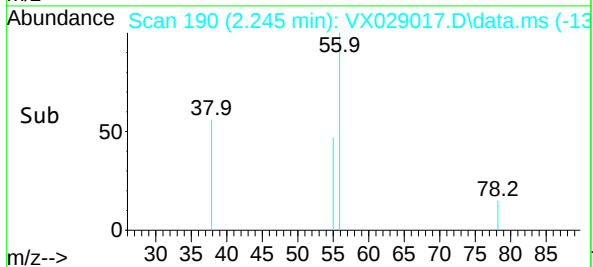
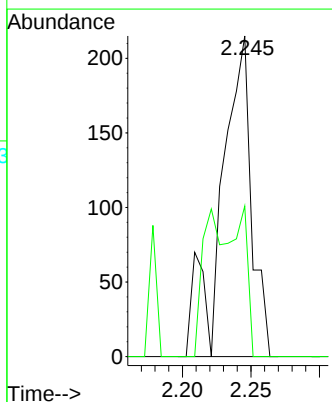
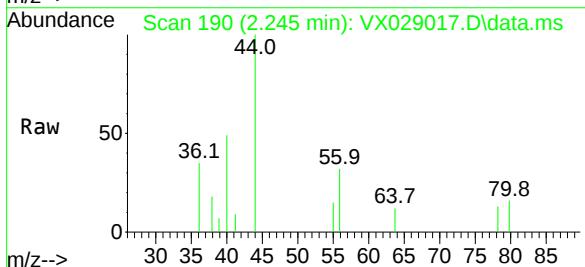
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

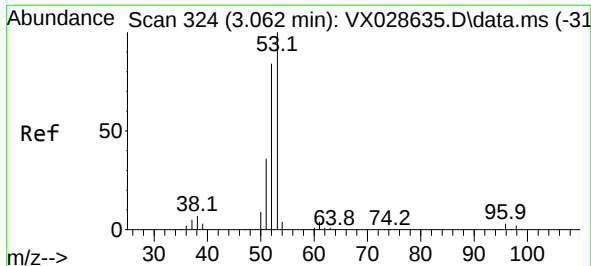
Tgt Ion: 59 Resp: 6706  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#13  
Acrolein  
Concen: 0.428 ug/l  
RT: 2.245 min Scan# 190  
Delta R.T. 0.012 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 56 Resp: 330  
Ion Ratio Lower Upper  
56 100  
55 56.4 55.0 82.6





#15

Acrylonitrile

Concen: 0.233 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0527MBL01

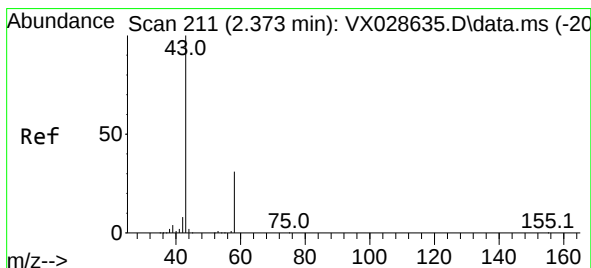
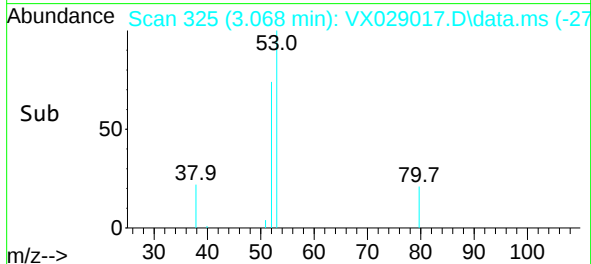
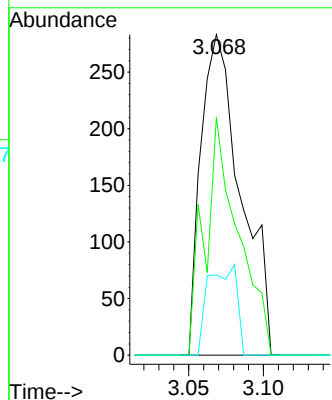
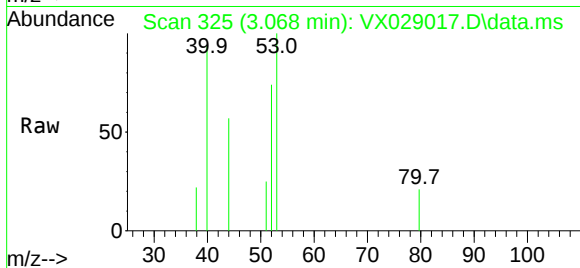
Tgt Ion: 53 Resp: 528

Ion Ratio Lower Upper

53 100

52 61.7 65.7 98.5#

51 19.9 28.4 42.6#



#16

Acetone

Concen: 0.876 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.007 min

Lab File: VX029017.D

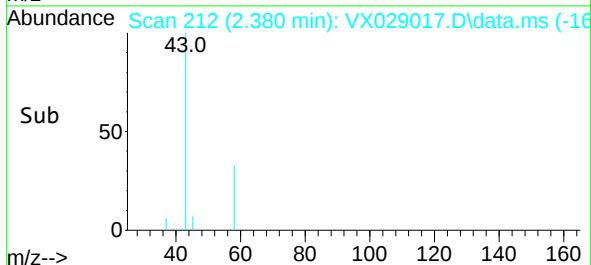
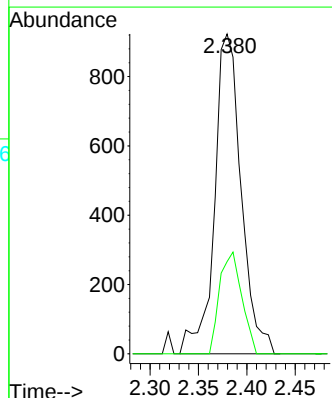
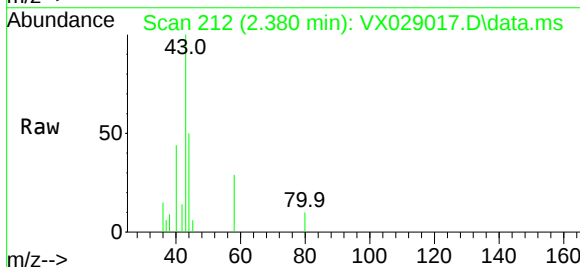
Acq: 27 May 2022 11:30

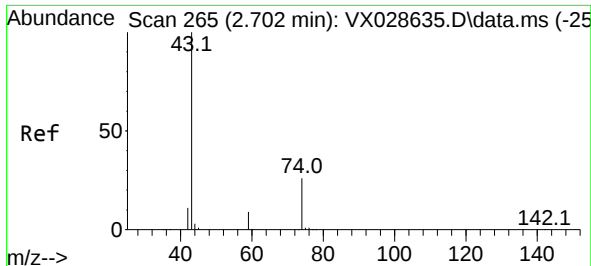
Tgt Ion: 43 Resp: 1768

Ion Ratio Lower Upper

43 100

58 28.8 28.8 43.2

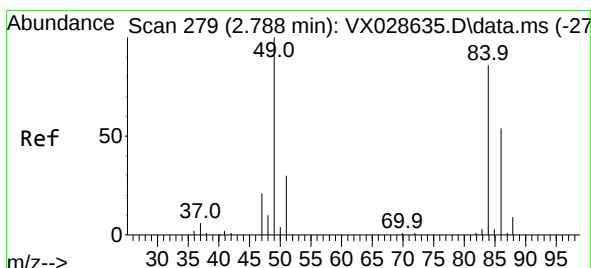
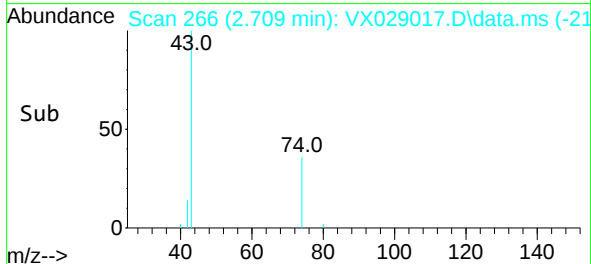
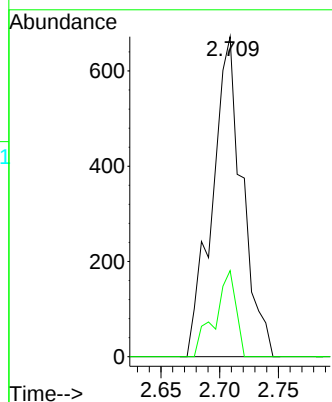
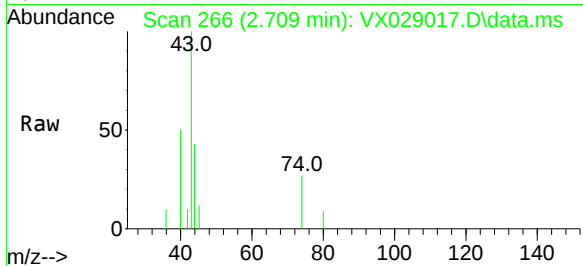




#18  
Methyl Acetate  
Concen: 0.238 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.007 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

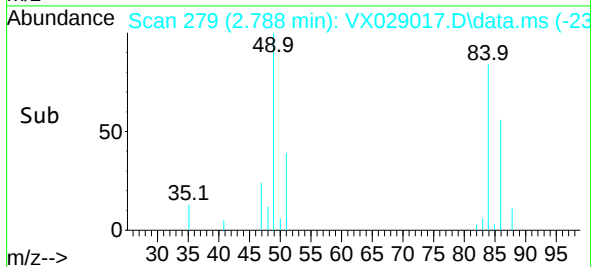
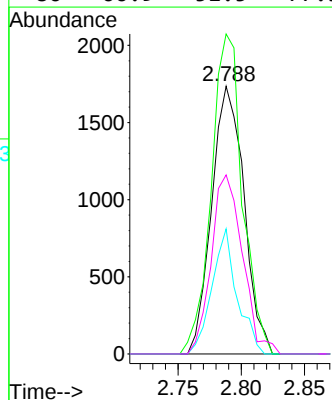
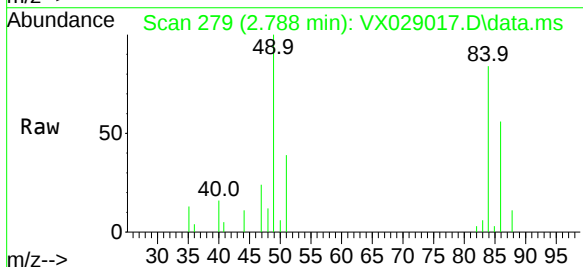
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

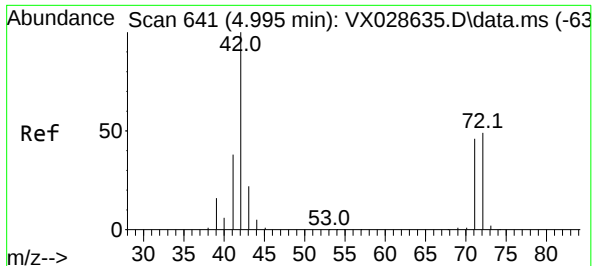
Tgt Ion: 43 Resp: 1203  
Ion Ratio Lower Upper  
43 100  
74 18.8 22.8 34.2#



#20  
Methylene Chloride  
Concen: 0.729 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 84 Resp: 3084  
Ion Ratio Lower Upper  
84 100  
49 119.5 85.5 128.3  
51 46.7 26.6 39.8#  
86 66.9 51.5 77.3





#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.024 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0527MBL01

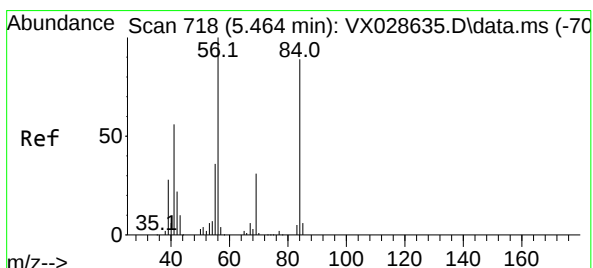
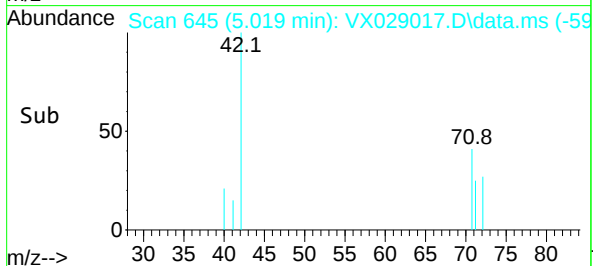
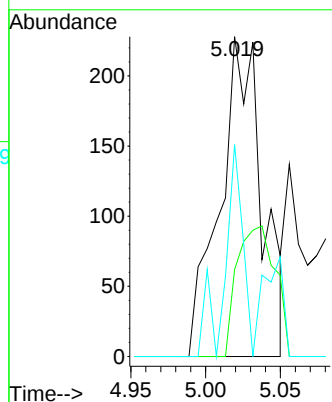
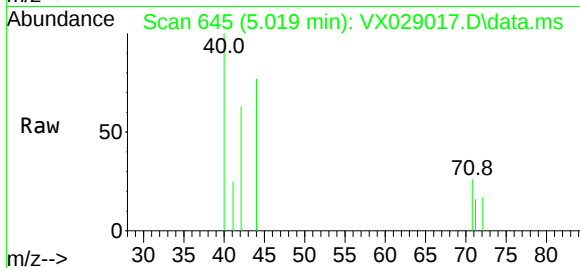
Tgt Ion: 42 Resp: 449

Ion Ratio Lower Upper

42 100

72 0.0 44.1 66.1#

71 28.5 40.5 60.7#



#31

Cyclohexane

Concen: 0.980 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

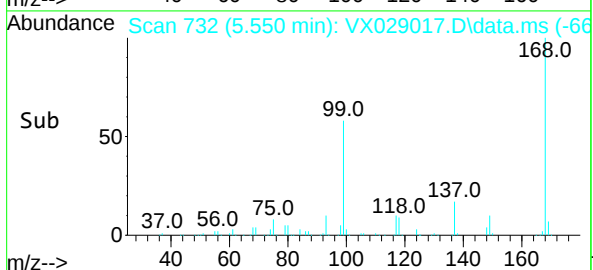
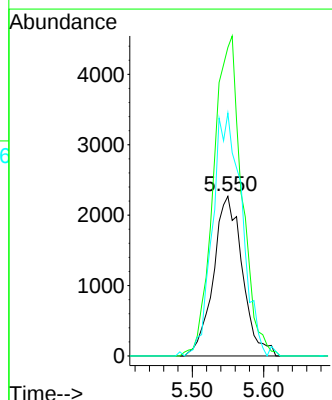
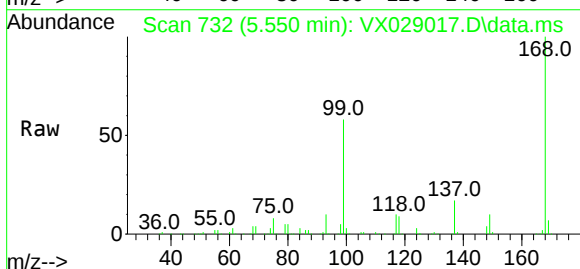
Tgt Ion: 56 Resp: 6391

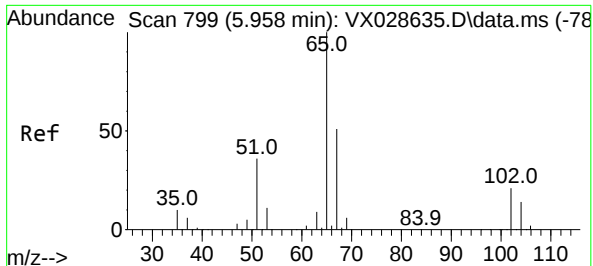
Ion Ratio Lower Upper

56 100

69 193.3 26.7 40.1#

84 152.2 77.2 115.8#

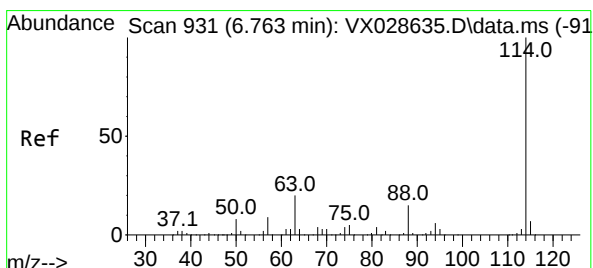
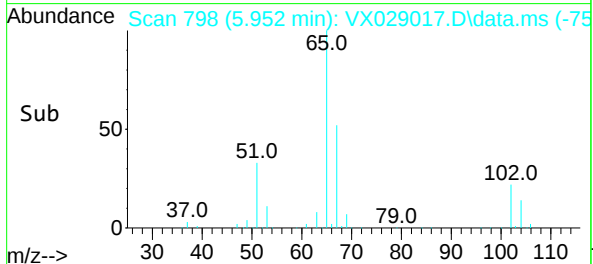
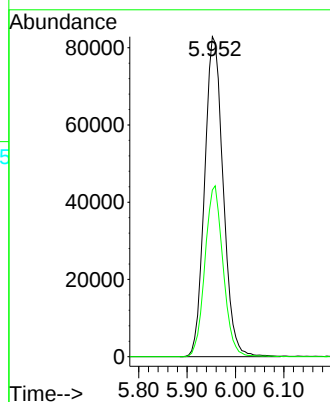
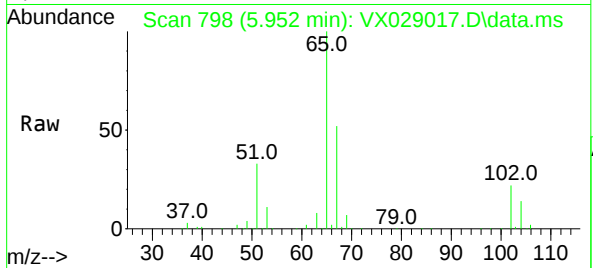




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.089 ug/l  
 RT: 5.952 min Scan# 799  
 Delta R.T. -0.006 min  
 Lab File: VX029017.D  
 Acq: 27 May 2022 11:30

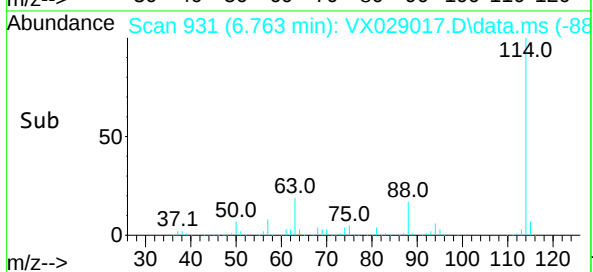
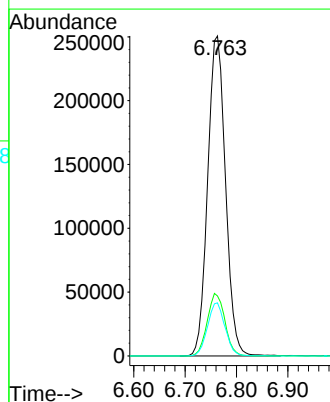
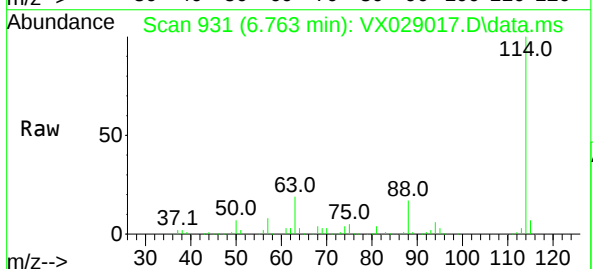
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0527MBL01

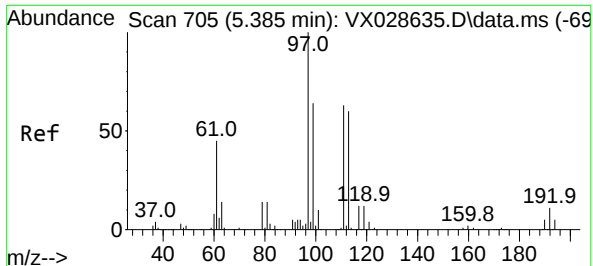
Tgt Ion: 65 Resp: 221342  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 107.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.763 min Scan# 931  
 Delta R.T. -0.000 min  
 Lab File: VX029017.D  
 Acq: 27 May 2022 11:30

Tgt Ion: 114 Resp: 603276  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 36.8  
 88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.046 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0527MBL01

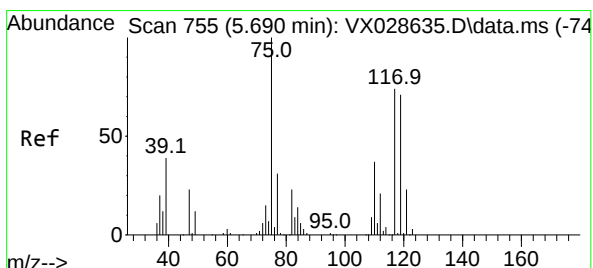
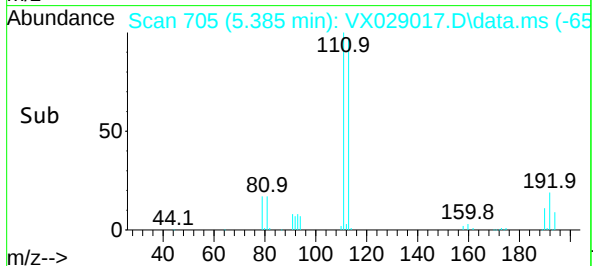
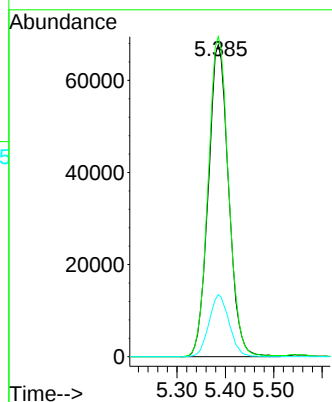
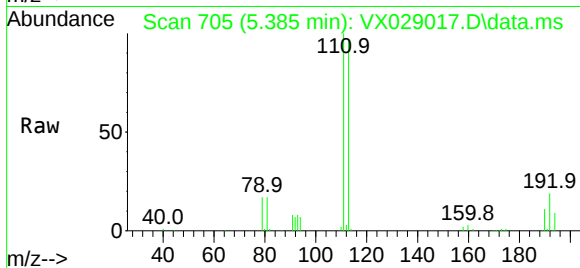
Tgt Ion:113 Resp: 197810

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 19.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.459 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

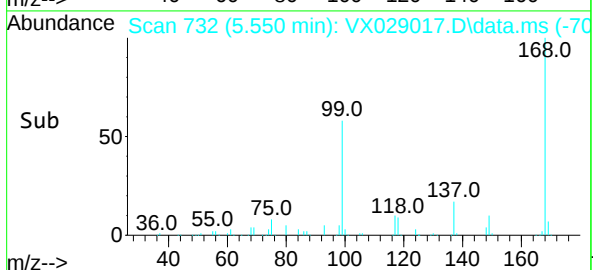
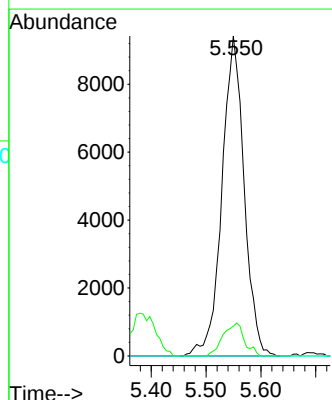
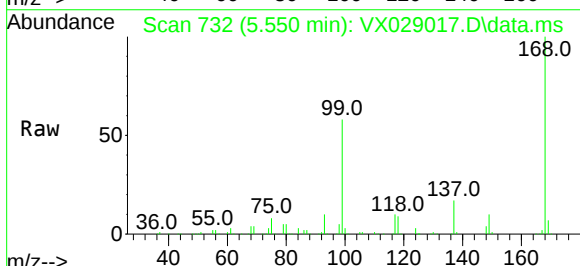
Tgt Ion: 75 Resp: 26472

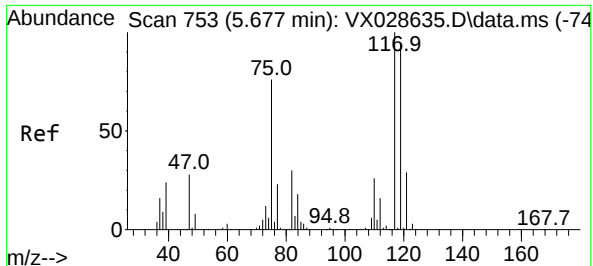
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

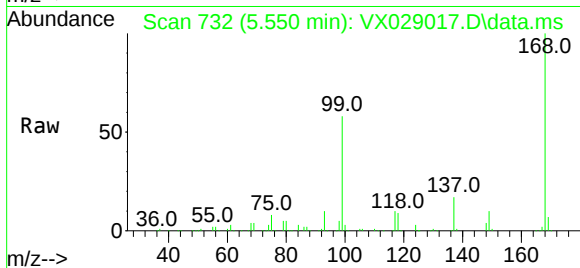
77 0.0 24.8 37.2#



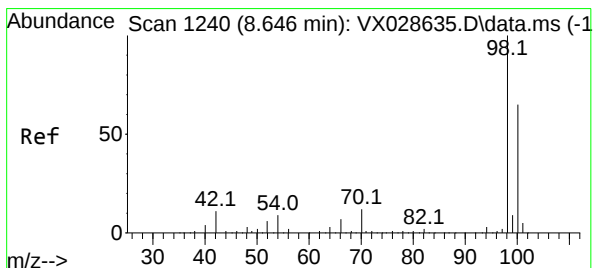
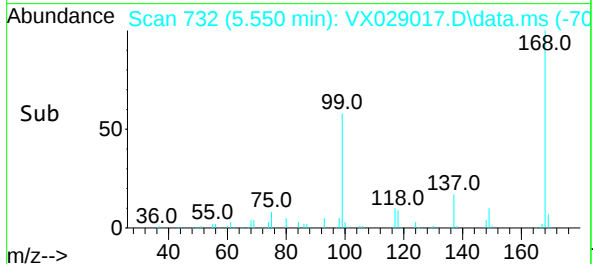
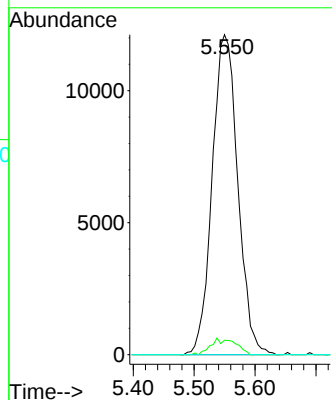


#38  
Carbon Tetrachloride  
Concen: 5.916 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.127 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

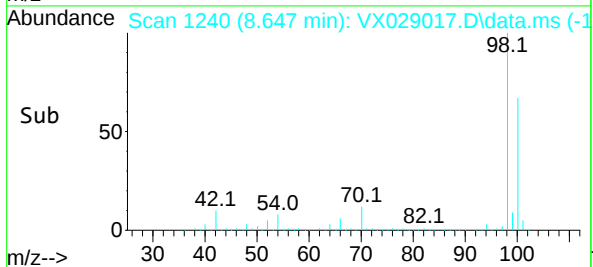
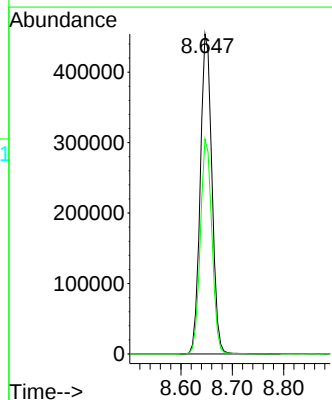
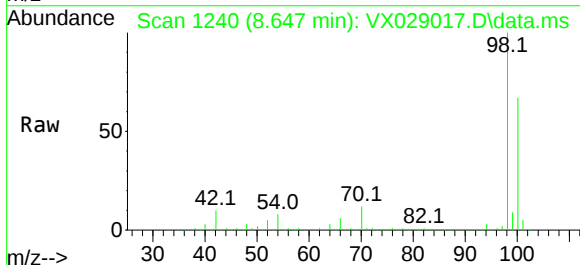


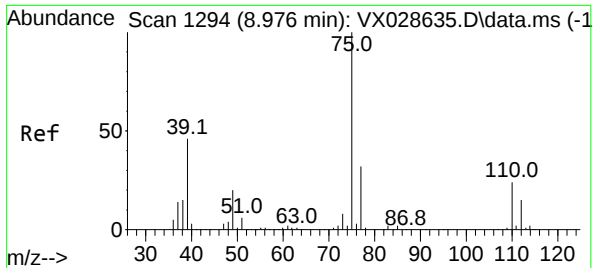
Tgt Ion:117 Resp: 35347  
Ion Ratio Lower Upper  
117 100  
119 4.5 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 47.883 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 98 Resp: 713556  
Ion Ratio Lower Upper  
98 100  
100 66.9 52.6 78.8

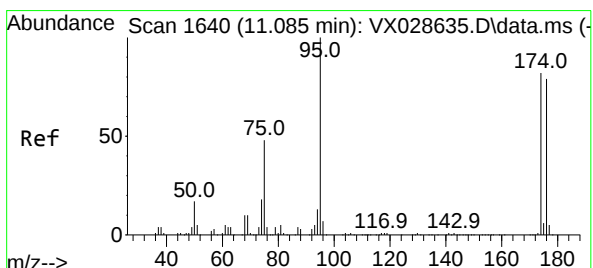
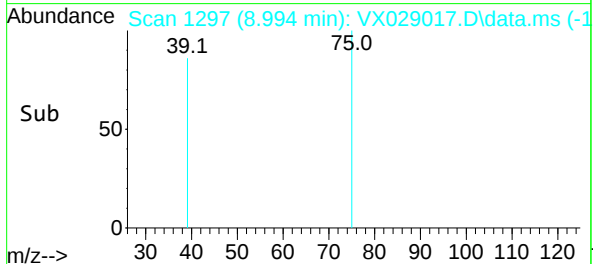
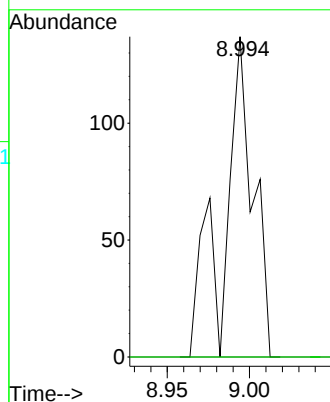
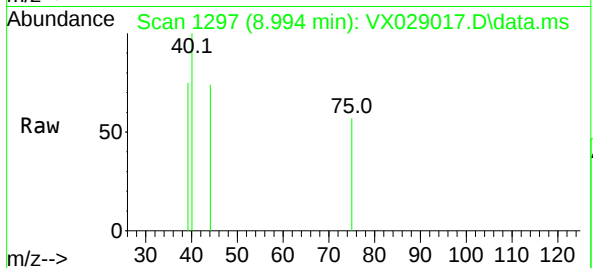




#53  
t-1,3-Dichloropropene  
Concen: 1.665 ug/l  
RT: 8.994 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

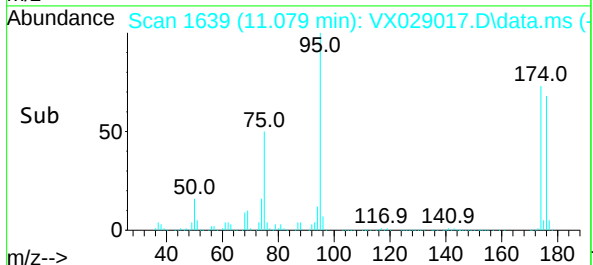
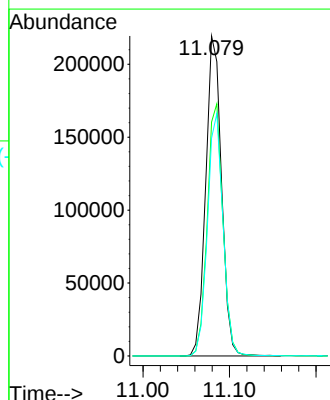
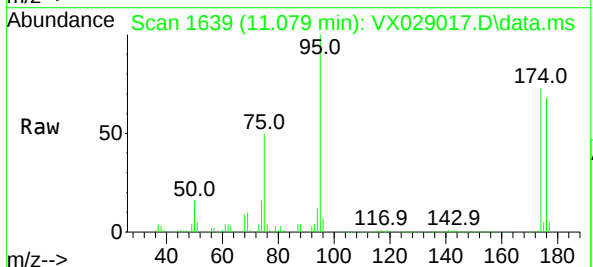
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

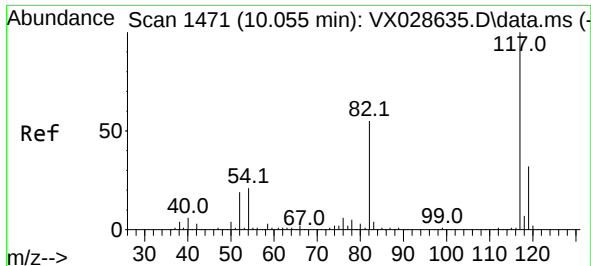
Tgt Ion: 75 Resp: 172  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.0#



#62  
4-Bromofluorobenzene  
Concen: 49.802 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 95 Resp: 277197  
Ion Ratio Lower Upper  
95 100  
174 78.3 0.0 163.0  
176 75.0 0.0 155.0

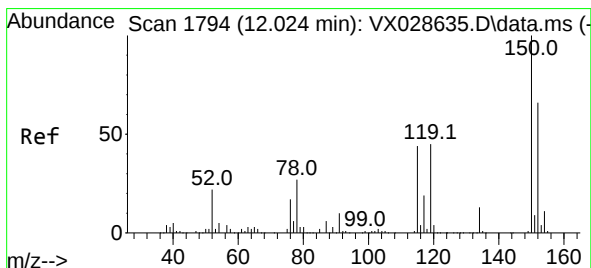
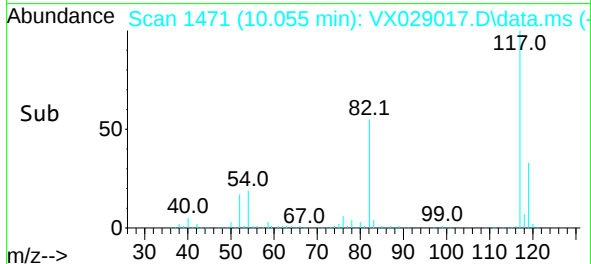
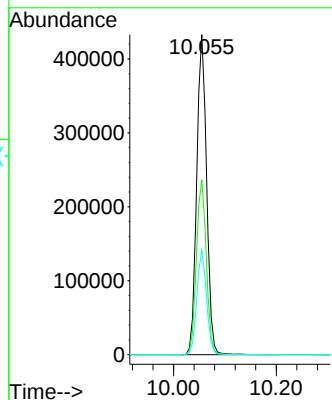
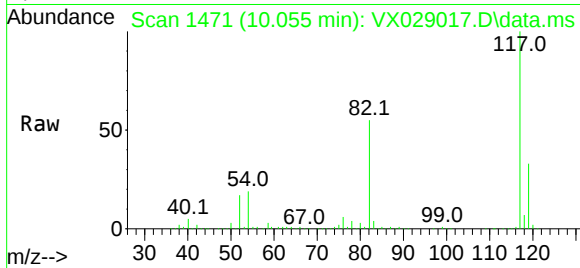




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

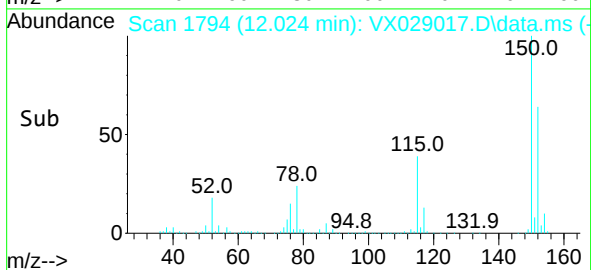
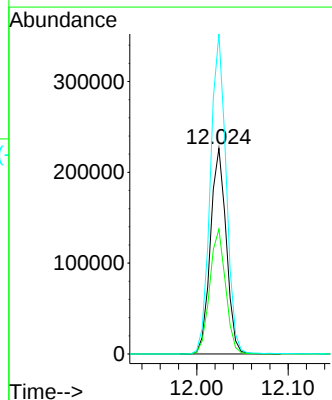
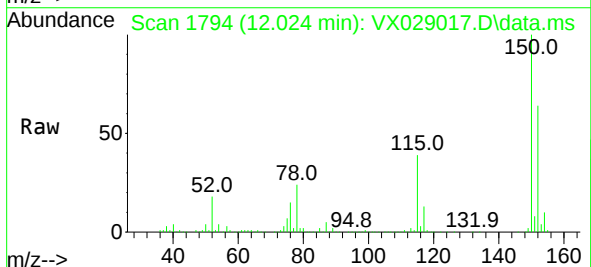
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

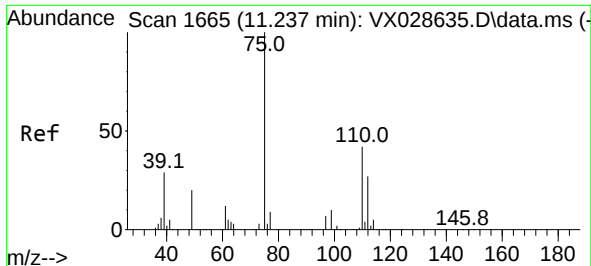
Tgt Ion:117 Resp: 579450  
Ion Ratio Lower Upper  
117 100  
82 54.7 41.8 62.8  
119 32.7 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion:152 Resp: 271057  
Ion Ratio Lower Upper  
152 100  
115 60.9 37.5 112.7  
150 155.6 0.0 338.2

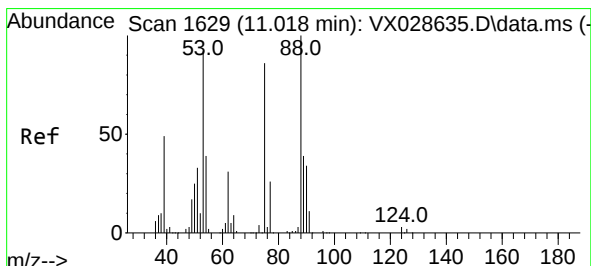
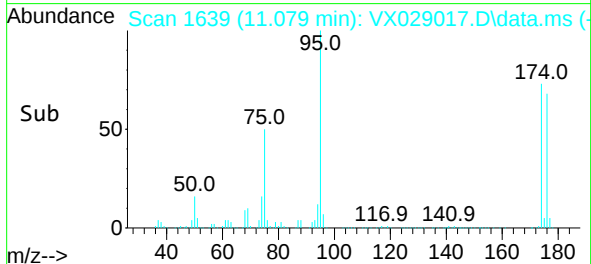
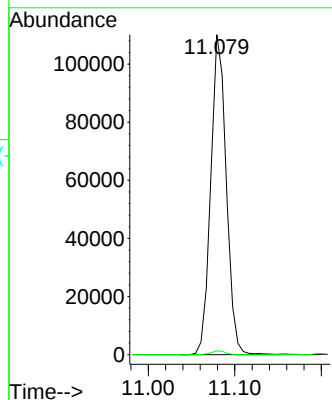
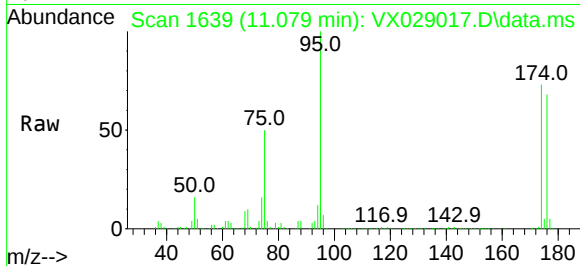




#76  
1,2,3-Trichloropropane  
Concen: 21.593 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

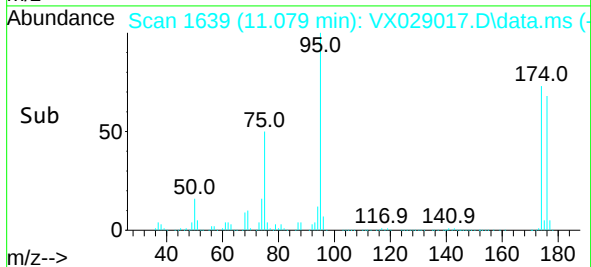
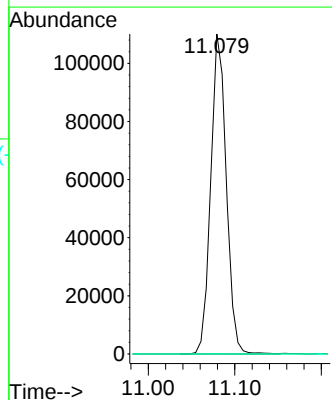
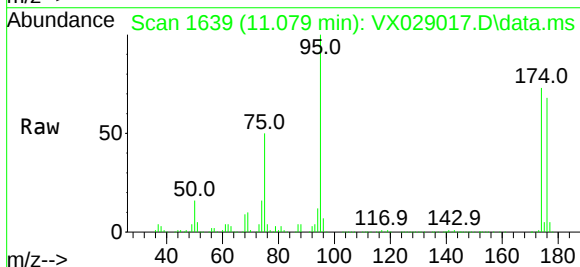
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0527MBL01

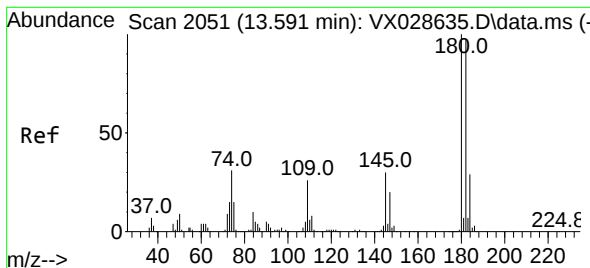
Tgt Ion: 75 Resp: 137072  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 63.302 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX029017.D  
Acq: 27 May 2022 11:30

Tgt Ion: 75 Resp: 137072  
Ion Ratio Lower Upper  
75 100  
53 0.0 69.0 103.4#  
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.208 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. -0.000 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0527MBL01

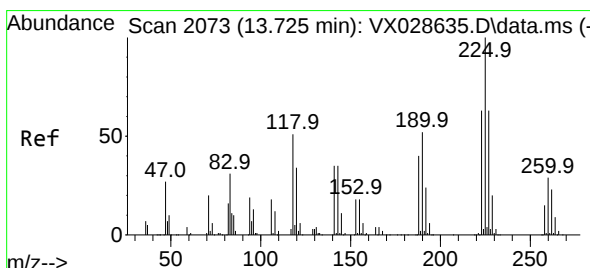
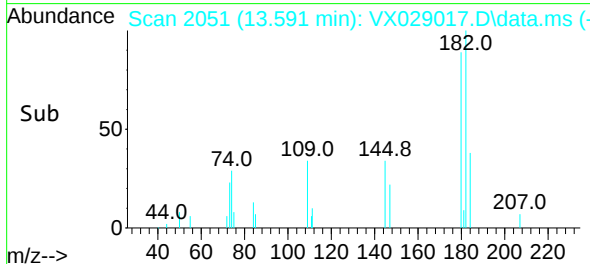
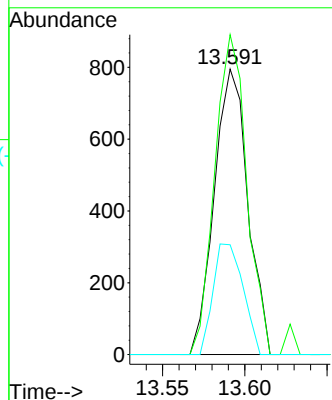
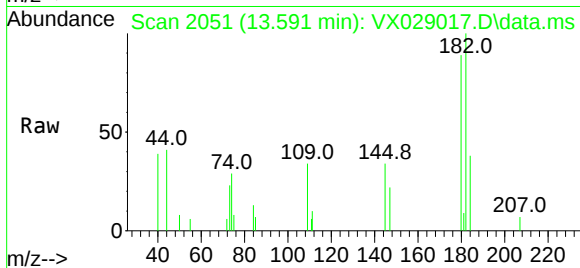
Tgt Ion:180 Resp: 1126

Ion Ratio Lower Upper

180 100

182 106.9 47.7 143.1

145 34.6 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.580 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX029017.D

Acq: 27 May 2022 11:30

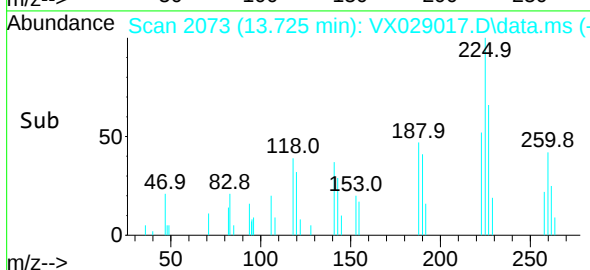
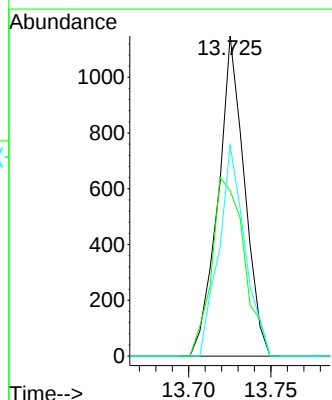
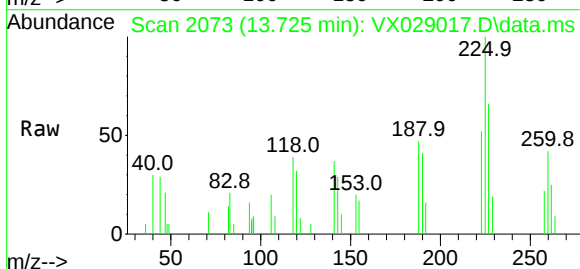
Tgt Ion:225 Resp: 1276

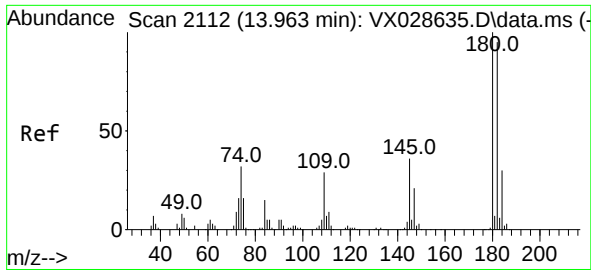
Ion Ratio Lower Upper

225 100

223 68.8 34.2 102.5

227 65.3 33.9 101.7





#96

1,2,3-Trichlorobenzene

Concen: 0.248 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029017.D

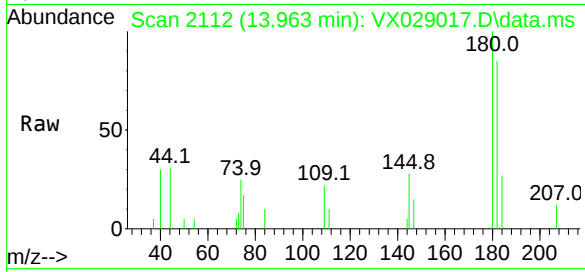
Acq: 27 May 2022 11:30

Instrument :

MSVOA\_X

ClientSampleId :

VX0527MBL01



Tgt Ion:180 Resp: 1349

Ion Ratio Lower Upper

180 100

182 108.7 50.0 149.8

145 33.1 16.2 48.5

