

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052622\  
 Data File : VX028989.D  
 Acq On : 26 May 2022 11:13  
 Operator : JC/MD  
 Sample : VX0526MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

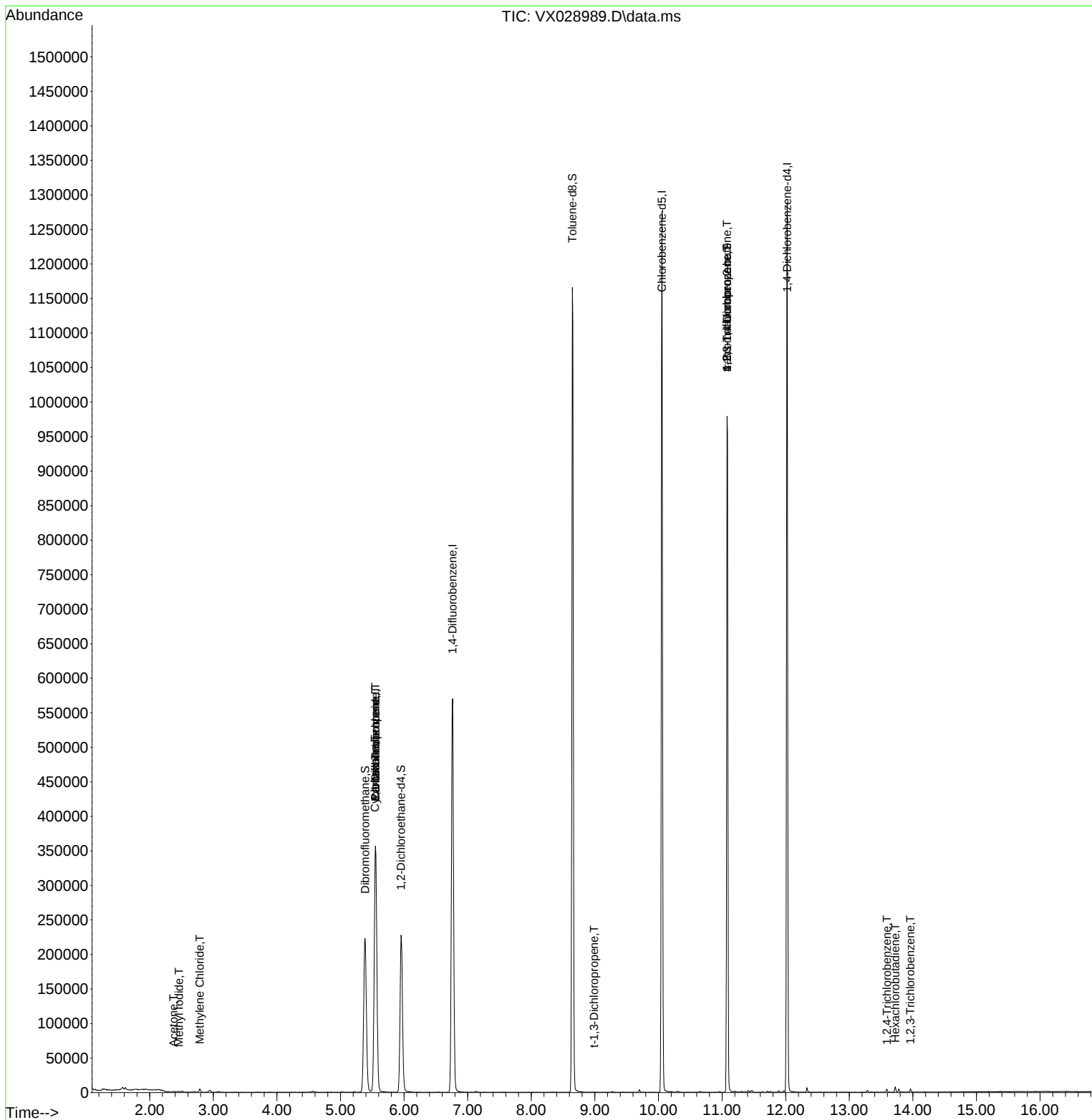
Instrument :  
 MSVOA\_X  
 ClientSampleId :

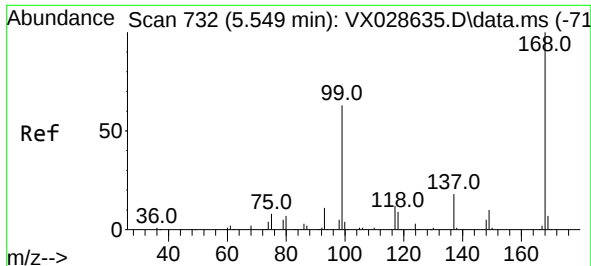
Quant Time: May 27 07:31:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 346257              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 609457              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 582417              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 268438              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 224312              | 47.260    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = 94.520%  |           |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 201169              | 50.379    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = 100.760% |           |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 722761              | 48.009    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = 96.020%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 284275              | 50.556    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = 101.120% |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 1.618          | 94   | 1723                | Below Cal | #      | 74       |
| 6) Chloroethane               | 1.648          | 64   | 72                  | Below Cal | #      | 43       |
| 10) Methyl Iodide             | 2.459          | 142  | 1064                | 0.230     | ug/l # | 91       |
| 11) Tert butyl alcohol        | 2.947          | 59   | 1586                | Below Cal | #      | 72       |
| 16) Acetone                   | 2.373          | 43   | 1183                | 0.581     | ug/l # | 78       |
| 20) Methylene Chloride        | 2.788          | 84   | 1752                | 0.410     | ug/l   | 87       |
| 31) Cyclohexane               | 5.544          | 56   | 6502                | 0.987     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.550          | 75   | 26581               | 4.432     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550          | 117  | 35208               | 5.833     | ug/l # | 15       |
| 53) t-1,3-Dichloropropene     | 8.988          | 75   | 142                 | 1.661     | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 139776              | 22.234    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 139776              | 65.066    | ug/l # | 15       |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 1263                | 0.236     | ug/l   | 94       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 1143                | 0.525     | ug/l   | 92       |
| 96) 1,2,3-Trichlorobenzene    | 13.963         | 180  | 1256                | 0.233     | ug/l   | 95       |
| -----                         |                |      |                     |           |        |          |

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

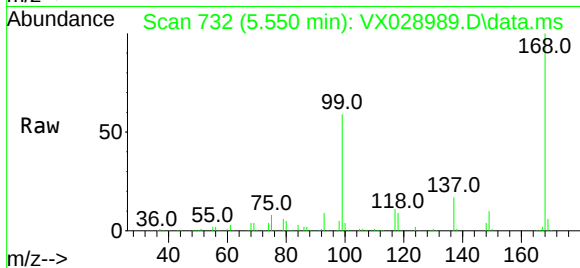
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration



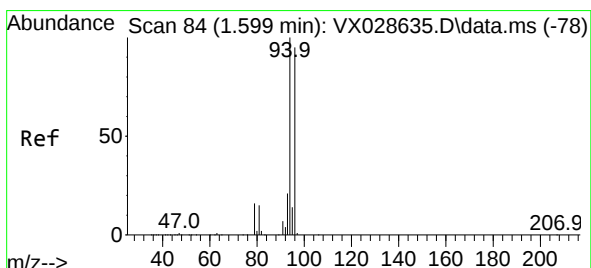
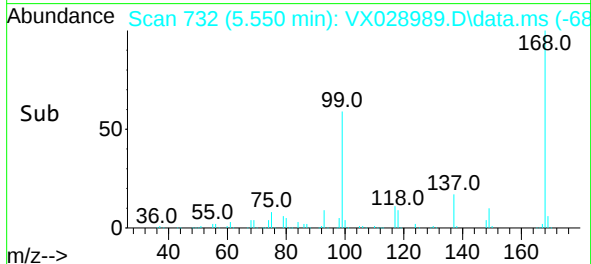
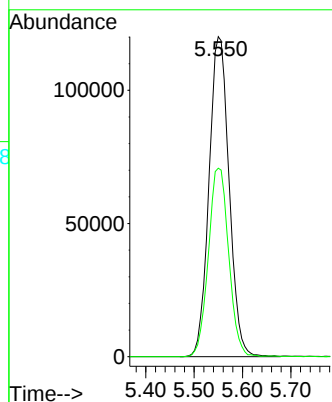


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Instrument :  
MSVOA\_X  
ClientSampleId :

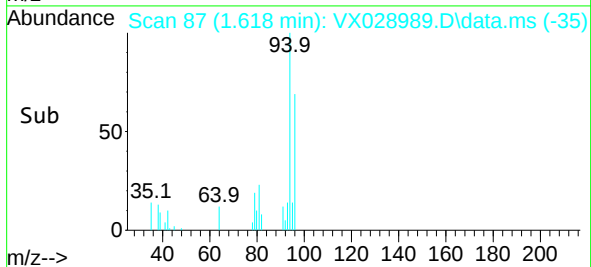
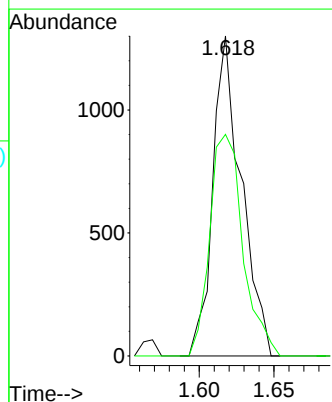
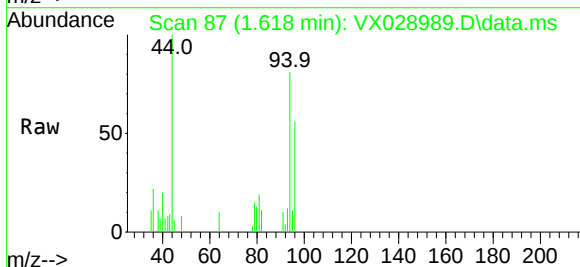


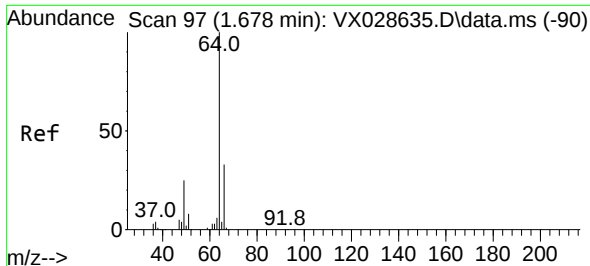
Tgt Ion:168 Resp: 346257  
Ion Ratio Lower Upper  
168 100  
99 58.9 41.7 62.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

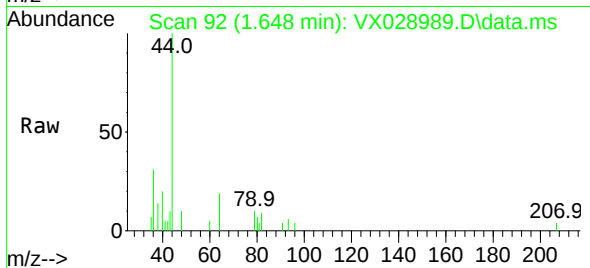
Tgt Ion: 94 Resp: 1723  
Ion Ratio Lower Upper  
94 100  
96 69.3 75.3 112.9#



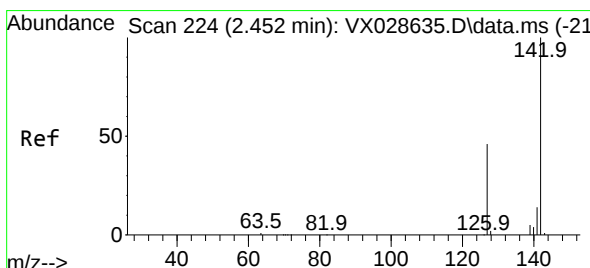
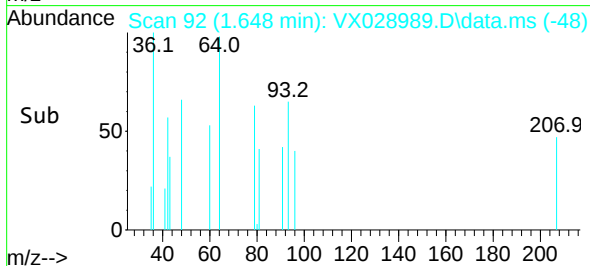
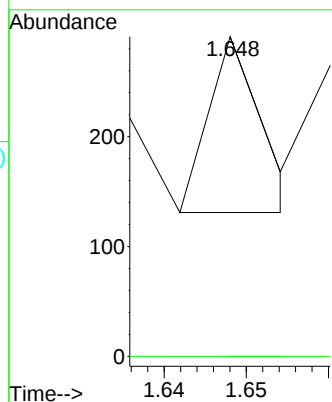


#6  
Chloroethane  
Concen: Below Cal  
RT: 1.648 min Scan# 91  
Delta R.T. -0.030 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Instrument :  
MSVOA\_X  
ClientSampleId :

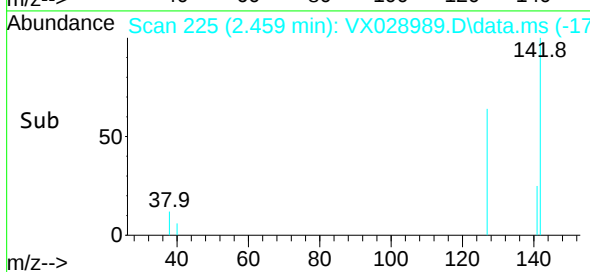
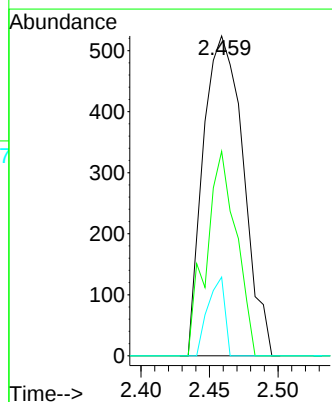
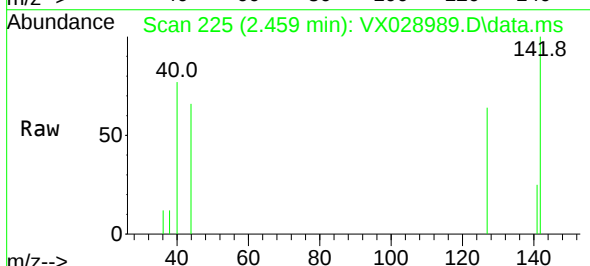


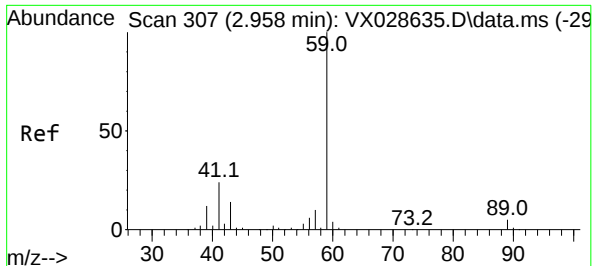
Tgt Ion: 64 Resp: 72  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.3 37.9#



#10  
Methyl Iodide  
Concen: 0.230 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. 0.007 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Tgt Ion: 142 Resp: 1064  
Ion Ratio Lower Upper  
142 100  
127 47.8 33.9 50.9  
141 10.4 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 307

Delta R.T. -0.011 min

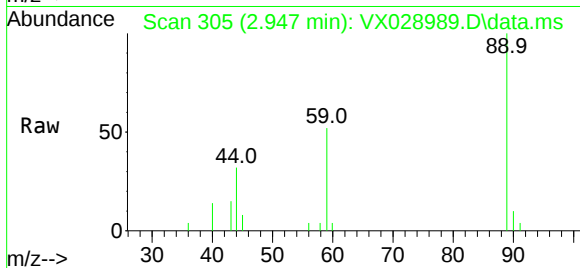
Lab File: VX028989.D

Acq: 26 May 2022 11:13

Instrument :

MSVOA\_X

ClientSampleId :

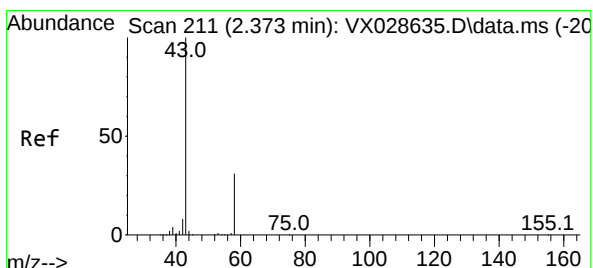
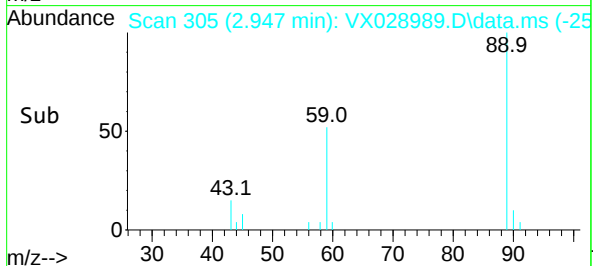
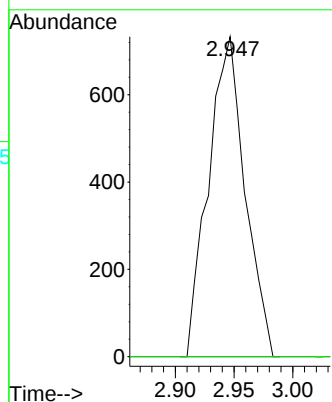


Tgt Ion: 59 Resp: 1586

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.581 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX028989.D

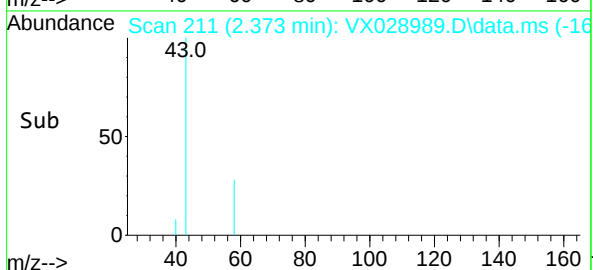
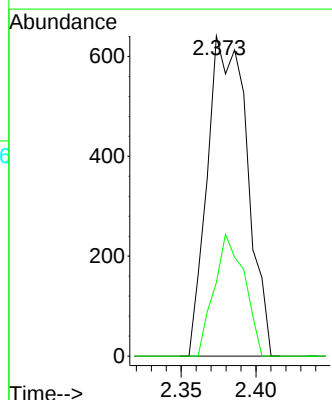
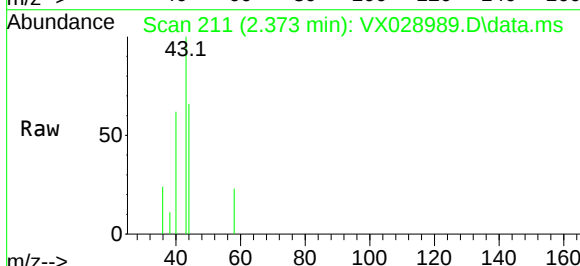
Acq: 26 May 2022 11:13

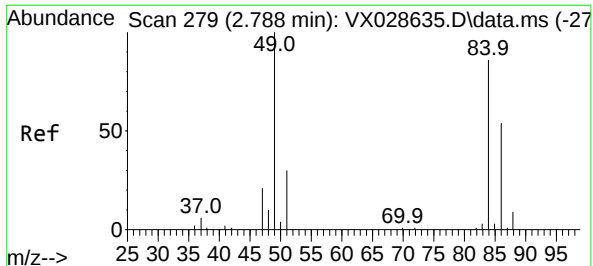
Tgt Ion: 43 Resp: 1183

Ion Ratio Lower Upper

43 100

58 22.9 28.8 43.2#





#20

Methylene Chloride

Concen: 0.410 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

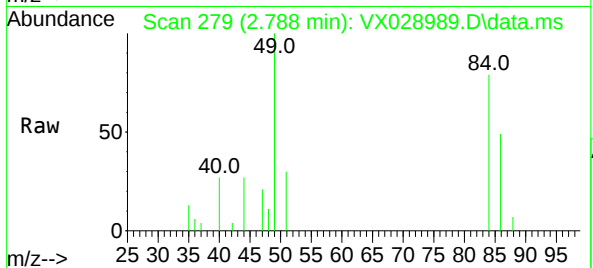
Lab File: VX028989.D

Acq: 26 May 2022 11:13

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion: 84 Resp: 1752

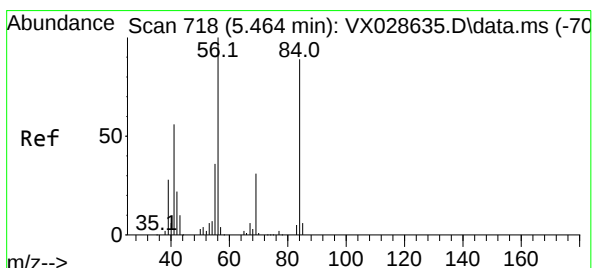
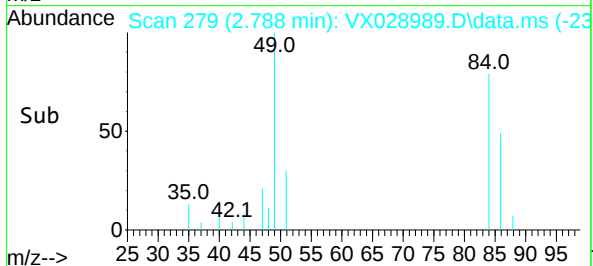
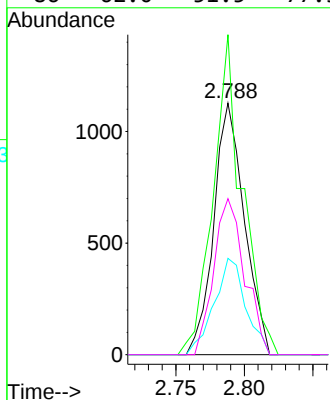
Ion Ratio Lower Upper

84 100

49 127.2 85.5 128.3

51 38.3 26.6 39.8

86 62.0 51.5 77.3



#31

Cyclohexane

Concen: 0.987 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.080 min

Lab File: VX028989.D

Acq: 26 May 2022 11:13

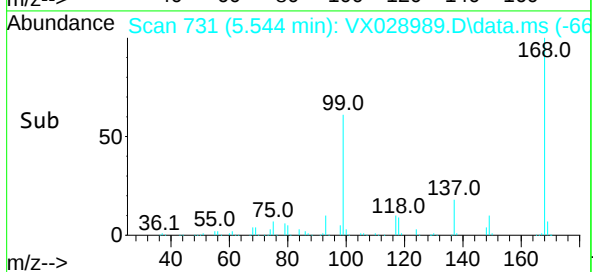
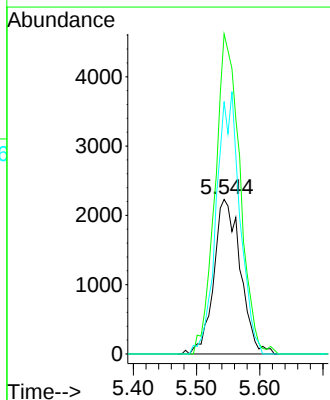
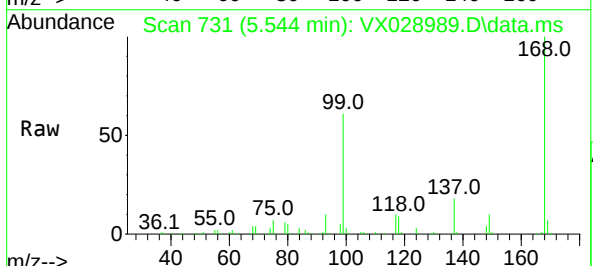
Tgt Ion: 56 Resp: 6502

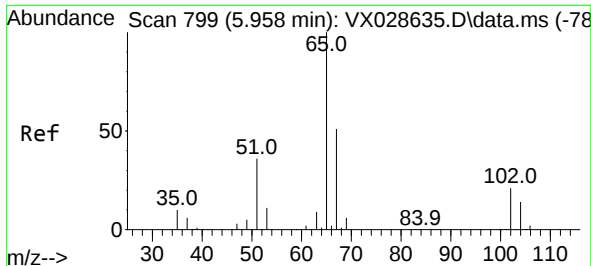
Ion Ratio Lower Upper

56 100

69 207.0 26.7 40.1#

84 163.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.260 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX028989.D

Acq: 26 May 2022 11:13

Instrument :

MSVOA\_X

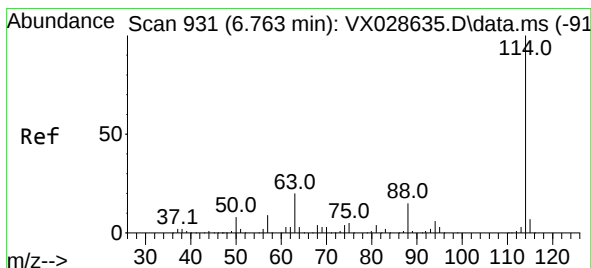
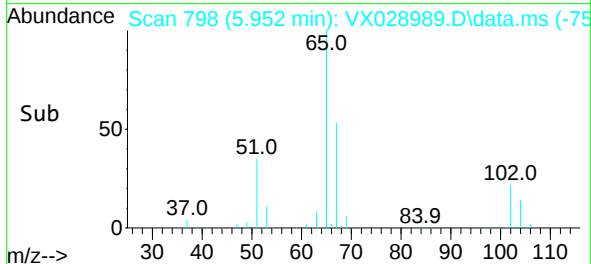
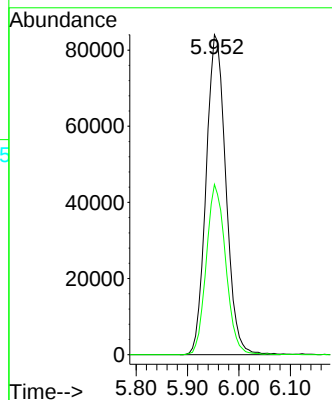
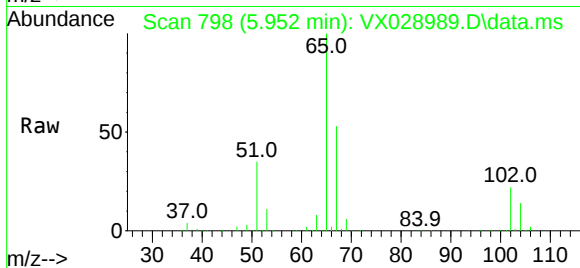
ClientSampleId :

Tgt Ion: 65 Resp: 224312

Ion Ratio Lower Upper

65 100

67 52.2 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: VX028989.D

Acq: 26 May 2022 11:13

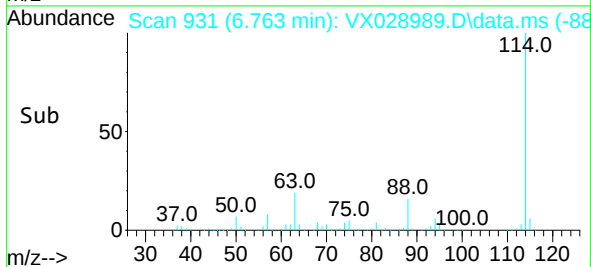
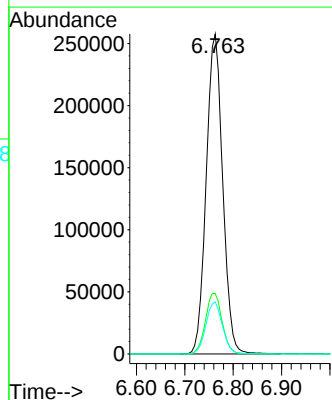
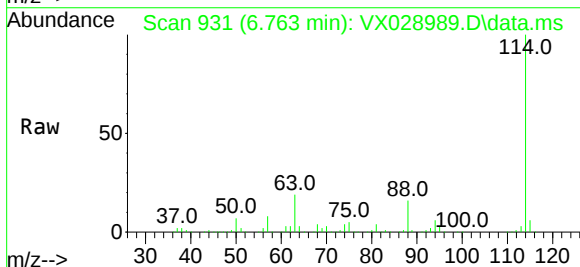
Tgt Ion: 114 Resp: 609457

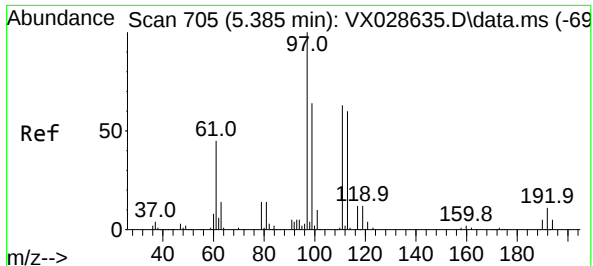
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 16.3 0.0 32.4

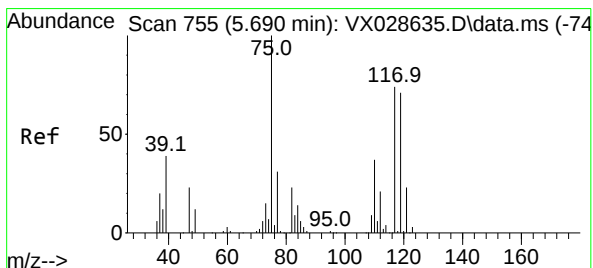
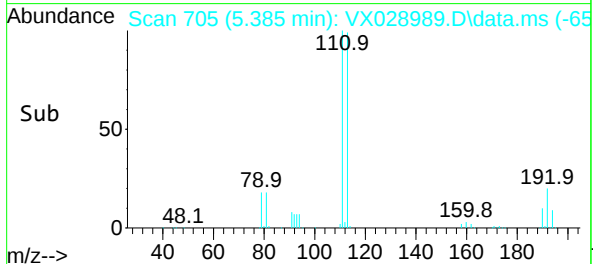
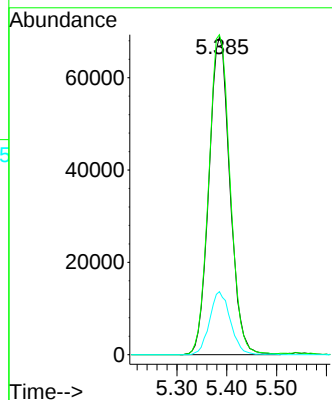
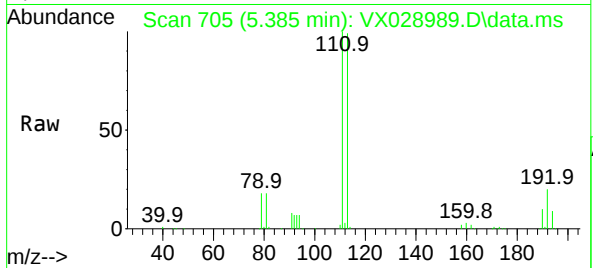




#35  
Dibromofluoromethane  
Concen: 50.379 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

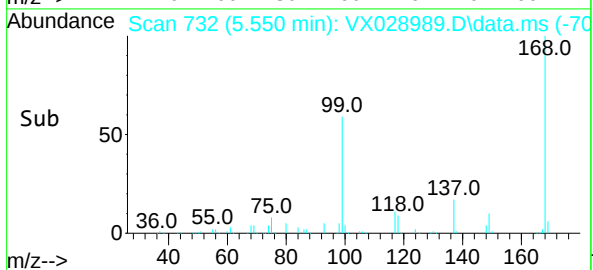
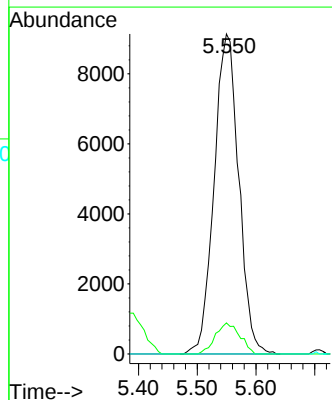
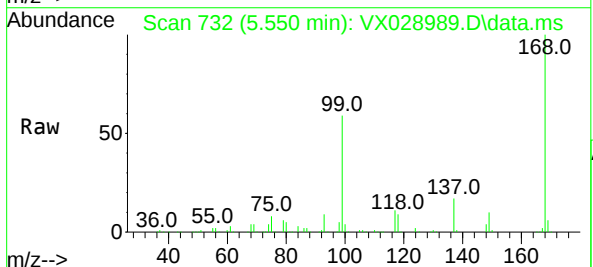
Instrument :  
MSVOA\_X  
ClientSampleId :

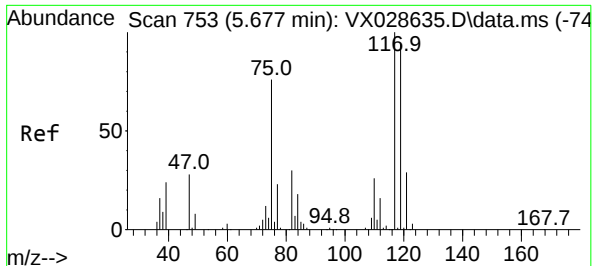
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Ion Ratio Lower Upper  
113 100  
111 102.6 82.8 124.2  
192 19.6 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.432 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.140 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

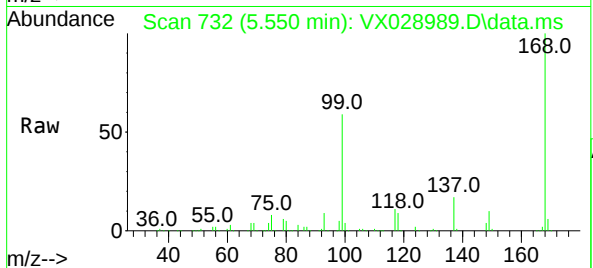
Tgt Ion: 75 Resp: 26581  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.3 54.8#  
77 0.0 24.8 37.2#



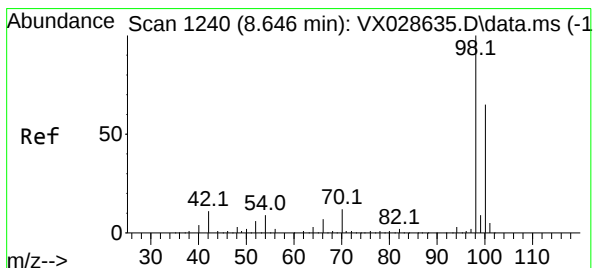
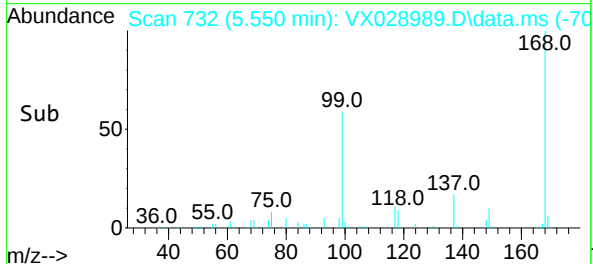
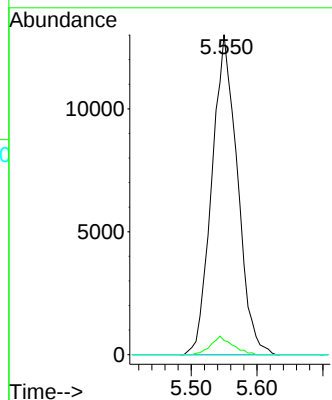


#38  
Carbon Tetrachloride  
Concen: 5.833 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.127 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Instrument :  
MSVOA\_X  
ClientSampleId :

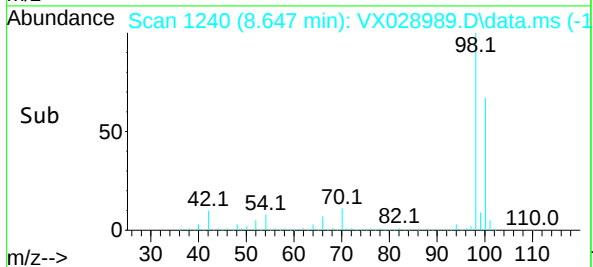
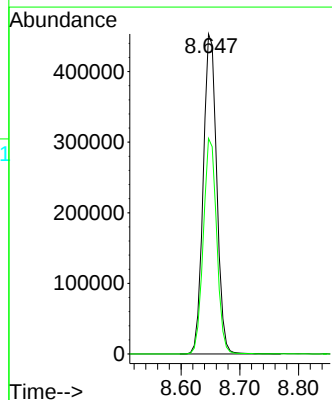
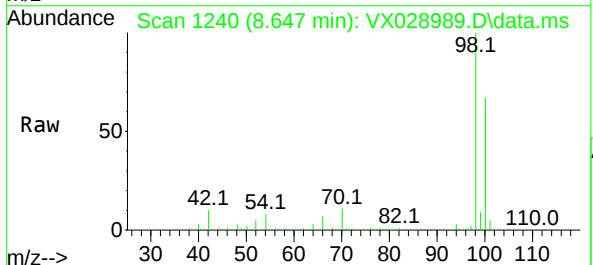


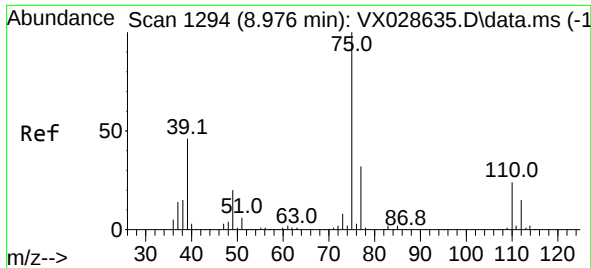
Tgt Ion:117 Resp: 35208  
Ion Ratio Lower Upper  
117 100  
119 4.4 77.3 115.9#  
121 0.0 24.2 36.2#



#50  
Toluene-d8  
Concen: 48.009 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.001 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Tgt Ion: 98 Resp: 722761  
Ion Ratio Lower Upper  
98 100  
100 66.8 52.6 78.8

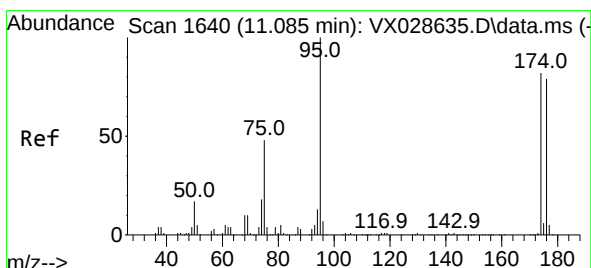
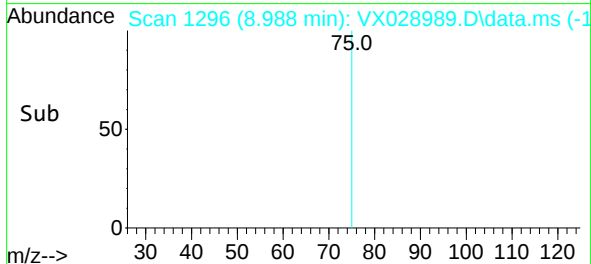
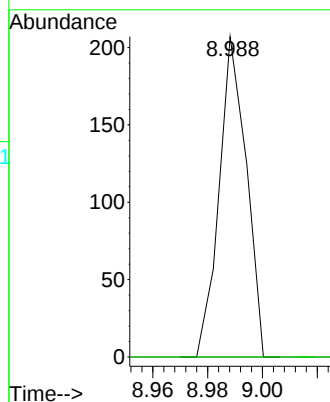
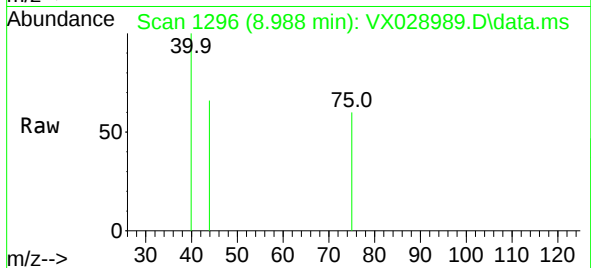




#53  
 t-1,3-Dichloropropene  
 Concen: 1.661 ug/l  
 RT: 8.988 min Scan# 11  
 Delta R.T. 0.012 min  
 Lab File: VX028989.D  
 Acq: 26 May 2022 11:13

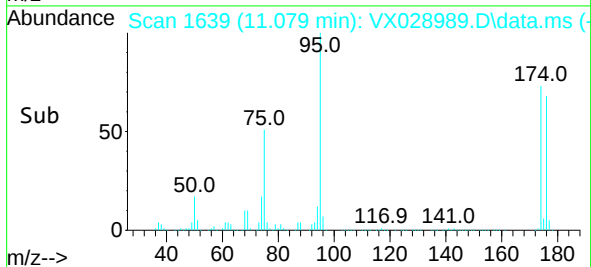
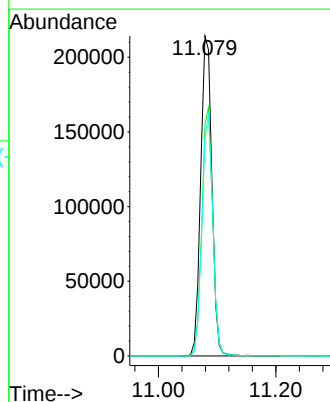
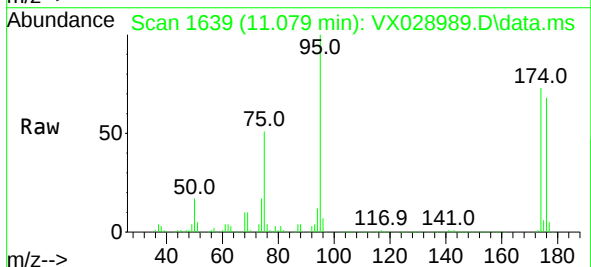
Instrument :  
 MSVOA\_X  
 ClientSampleId :

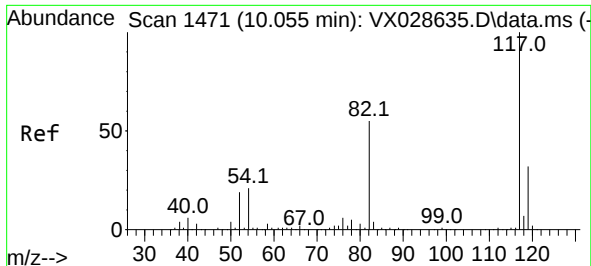
Tgt Ion: 75 Resp: 142  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 25.4 38.0#



#62  
 4-Bromofluorobenzene  
 Concen: 50.556 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.006 min  
 Lab File: VX028989.D  
 Acq: 26 May 2022 11:13

Tgt Ion: 95 Resp: 284275  
 Ion Ratio Lower Upper  
 95 100  
 174 75.8 0.0 163.0  
 176 73.4 0.0 155.0

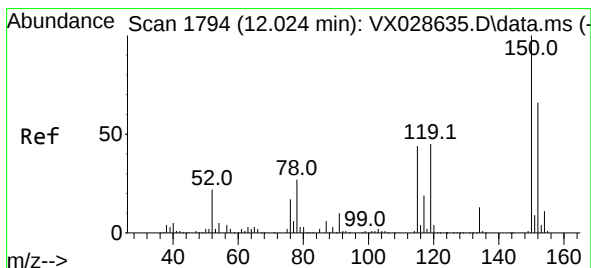
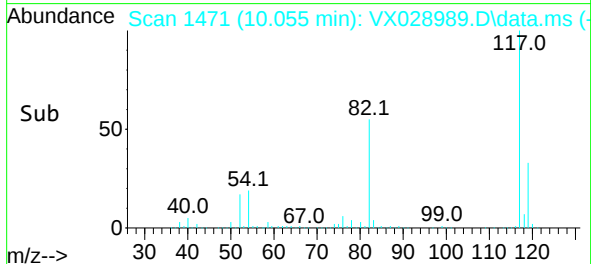
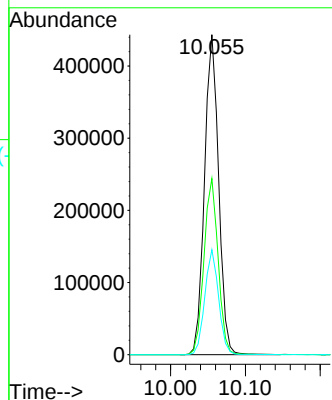
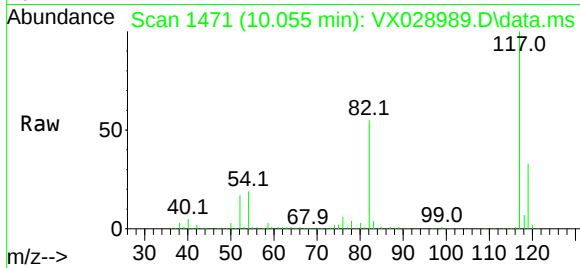




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

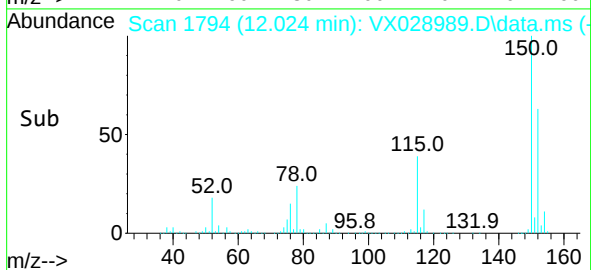
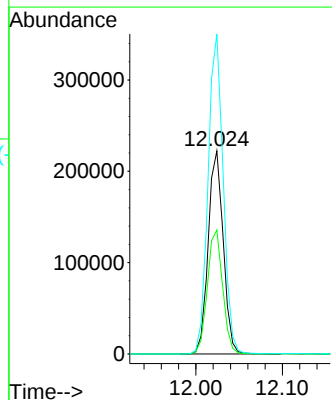
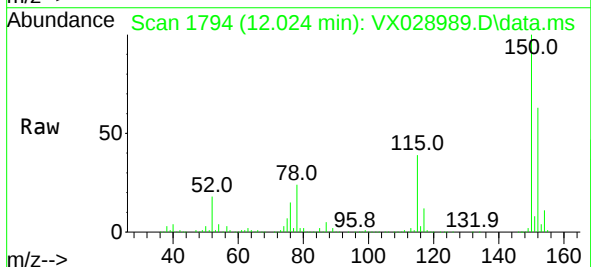
Instrument :  
MSVOA\_X  
ClientSampleId :

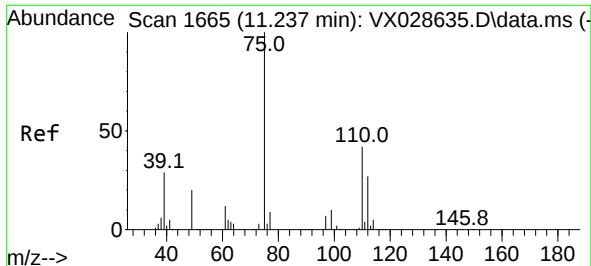
Tgt Ion:117 Resp: 582417  
Ion Ratio Lower Upper  
117 100  
82 55.1 41.8 62.8  
119 32.8 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Tgt Ion:152 Resp: 268438  
Ion Ratio Lower Upper  
152 100  
115 61.9 37.5 112.7  
150 158.0 0.0 338.2

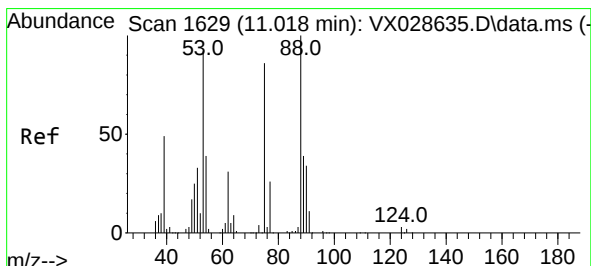
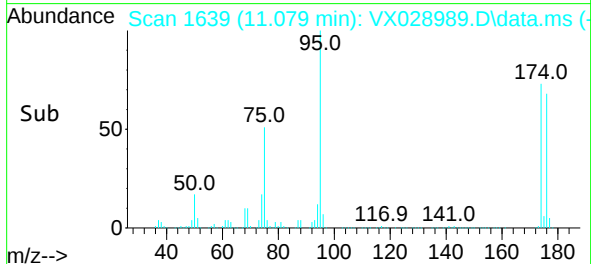
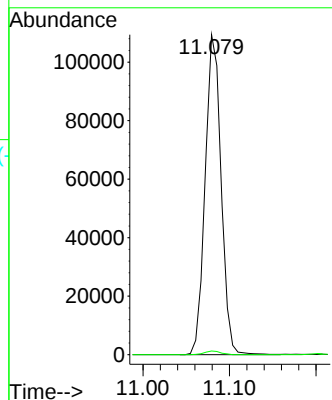
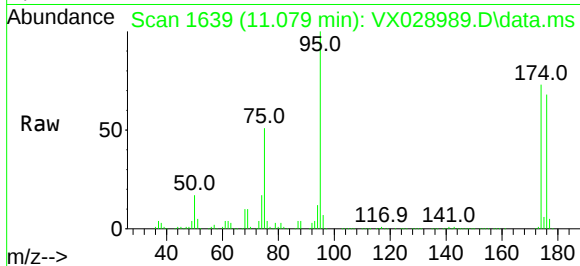




#76  
1,2,3-Trichloropropane  
Concen: 22.234 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

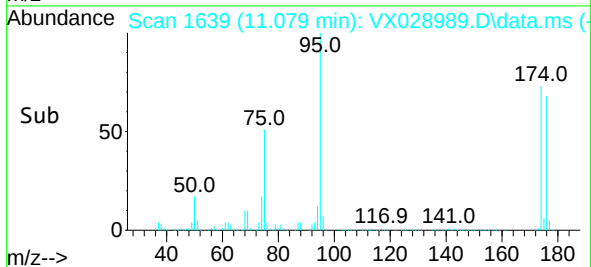
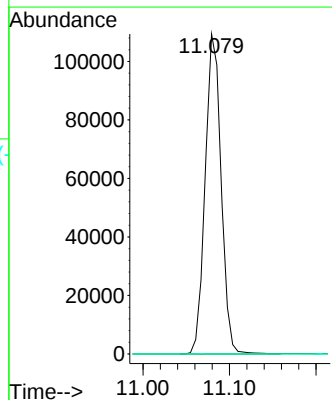
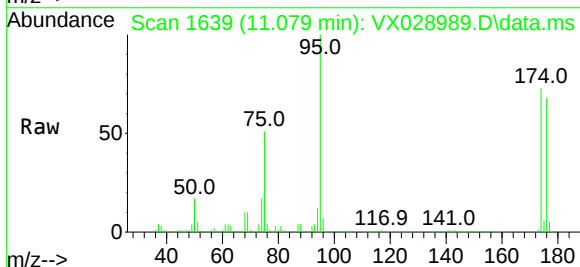
Instrument :  
MSVOA\_X  
ClientSampleId :

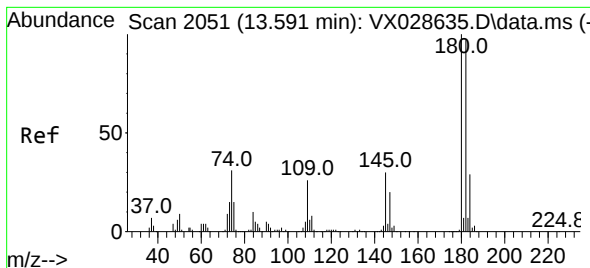
Tgt Ion: 75 Resp: 139776  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 65.066 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX028989.D  
Acq: 26 May 2022 11:13

Tgt Ion: 75 Resp: 139776  
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: 0.236 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

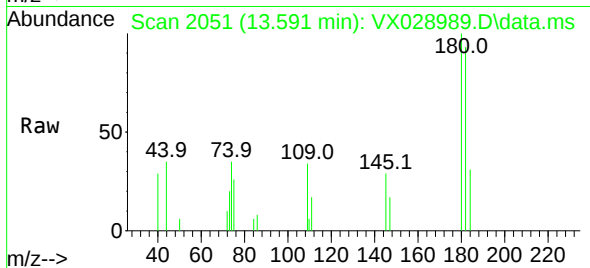
Lab File: VX028989.D

Acq: 26 May 2022 11:13

Instrument :

MSVOA\_X

ClientSampleId :



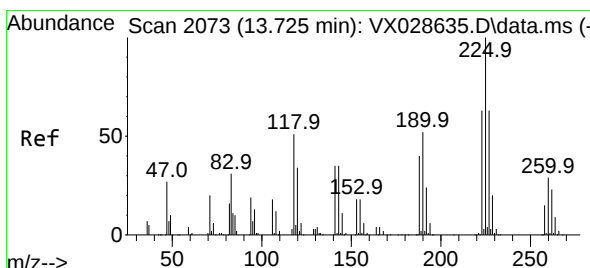
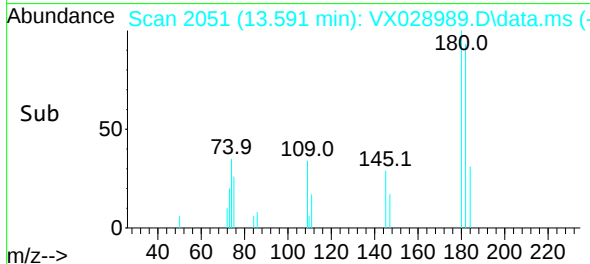
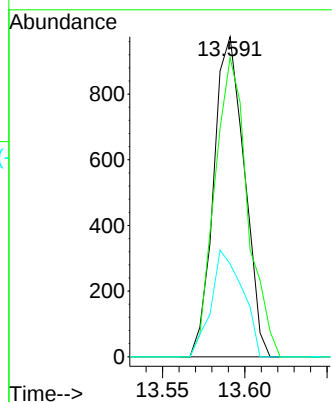
Tgt Ion:180 Resp: 1263

Ion Ratio Lower Upper

180 100

182 100.3 47.7 143.1

145 34.1 15.2 45.5



#94

Hexachlorobutadiene

Concen: 0.525 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX028989.D

Acq: 26 May 2022 11:13

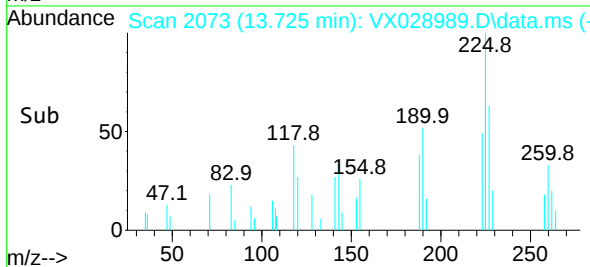
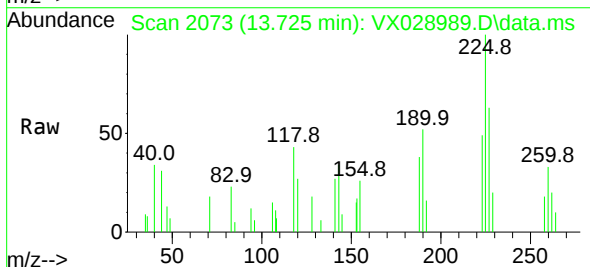
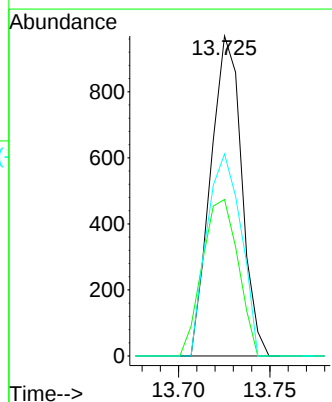
Tgt Ion:225 Resp: 1143

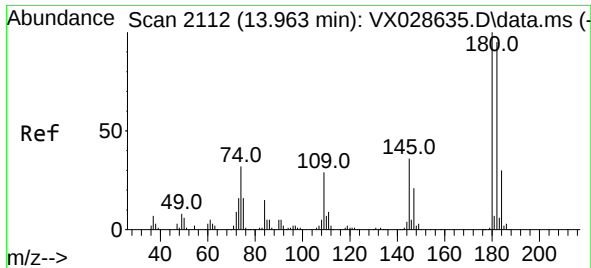
Ion Ratio Lower Upper

225 100

223 56.5 34.2 102.5

227 69.6 33.9 101.7





#96

1,2,3-Trichlorobenzene

Concen: 0.233 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

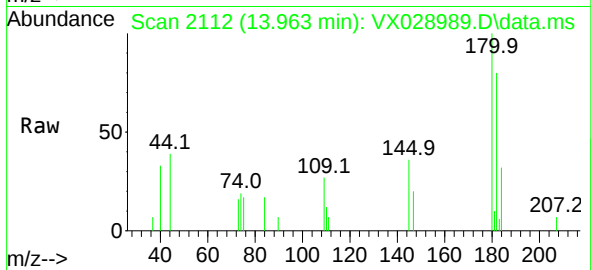
Lab File: VX028989.D

Acq: 26 May 2022 11:13

Instrument :

MSVOA\_X

ClientSampleId :



Tgt Ion:180 Resp: 1256

Ion Ratio Lower Upper

180 100

182 103.7 50.0 149.8

145 37.5 16.2 48.5

