

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX083022\  
 Data File : VX030949.D  
 Acq On : 30 Aug 2022 19:20  
 Operator : JC/MD  
 Sample : N4281-05DL 5X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE115D1-20220818DL

Quant Time: Aug 31 03:15:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X083022W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 30 14:24:53 2022  
 Response via : Initial Calibration

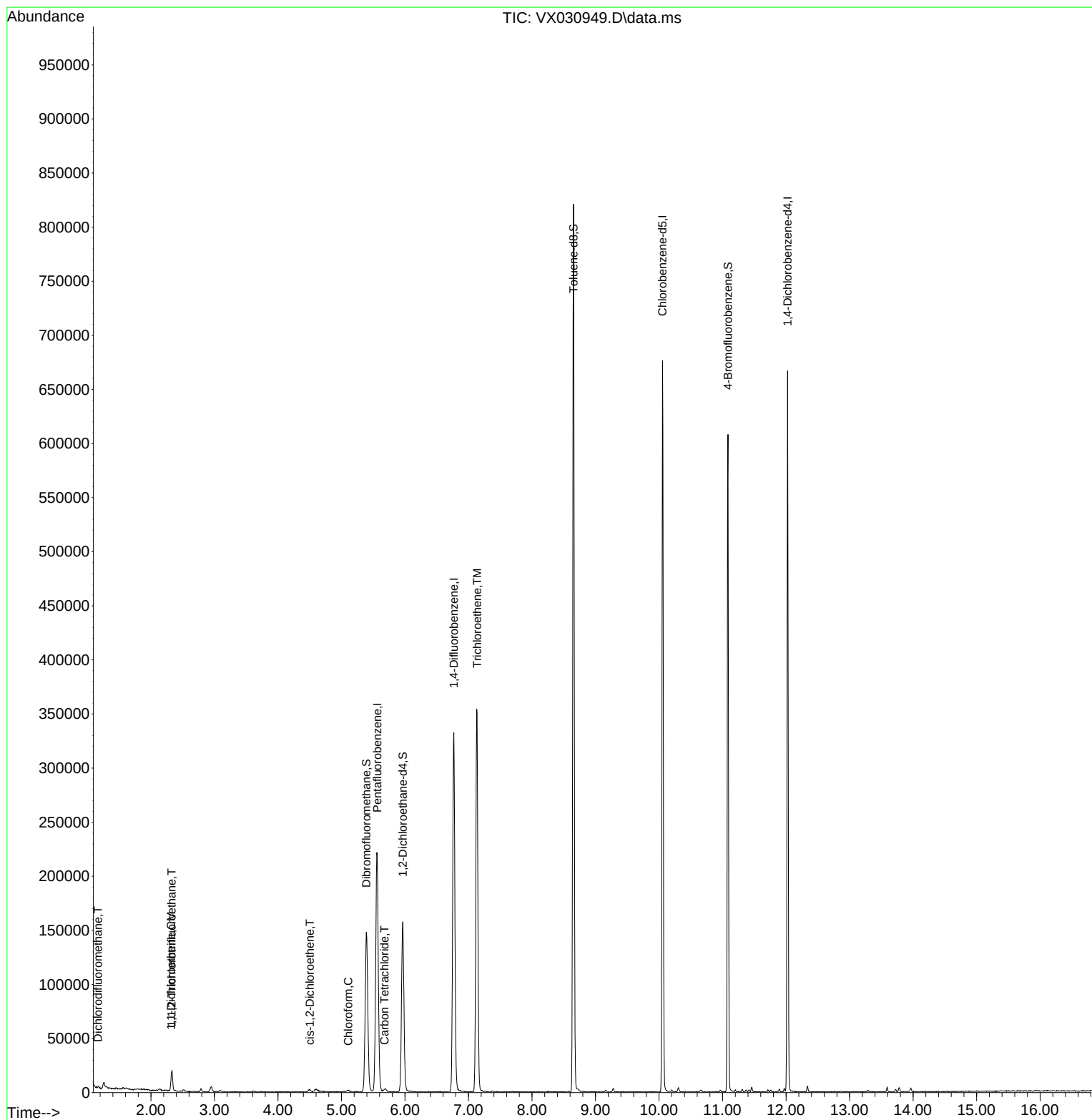
| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.562  | 168   | 215260   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769  | 114   | 356215   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 321216   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 137802   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964  | 65    | 148614   | 48.135   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 96.260%  |
| 35) Dibromofluoromethane     | 5.391  | 113   | 131879   | 50.224   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 100.440% |
| 50) Toluene-d8               | 8.653  | 98    | 506847   | 52.121   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 104.240% |
| 62) 4-Bromofluorobenzene     | 11.085 | 95    | 168740   | 48.728   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 97.460%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 854      | 0.375    | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 6859     | 2.586    | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 1222     | 0.467    | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.501  | 96    | 1582     | 0.484    | ug/l # | 20       |
| 30) Chloroform               | 5.105  | 83    | 1815     | 0.342    | ug/l # | 79       |
| 38) Carbon Tetrachloride     | 5.678  | 117   | 1784     | 0.480    | ug/l # | 78       |
| 44) Trichloroethene          | 7.135  | 130   | 145189   | 43.814   | ug/l   | 99       |
| -----                        |        |       |          |          |        |          |

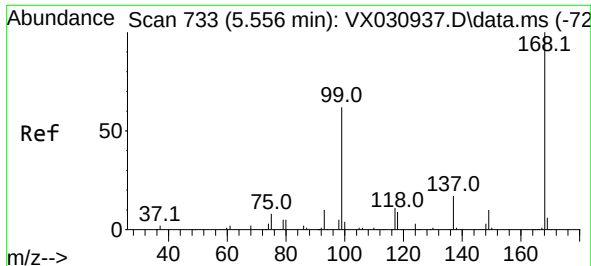
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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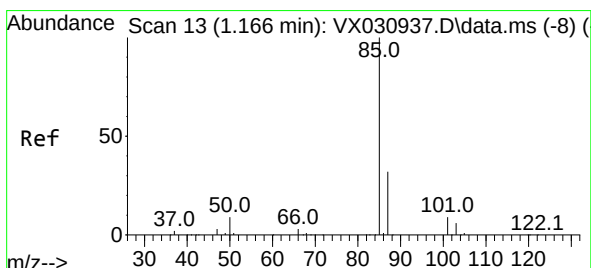
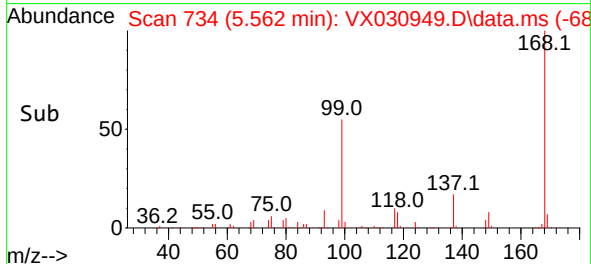
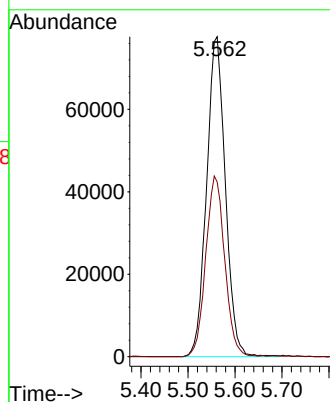
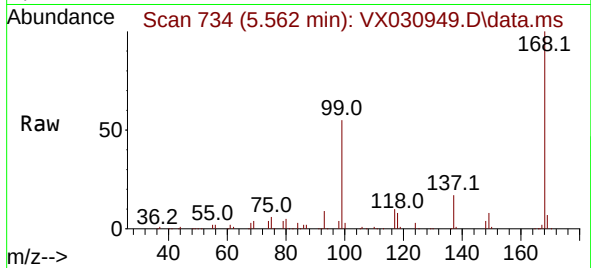




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

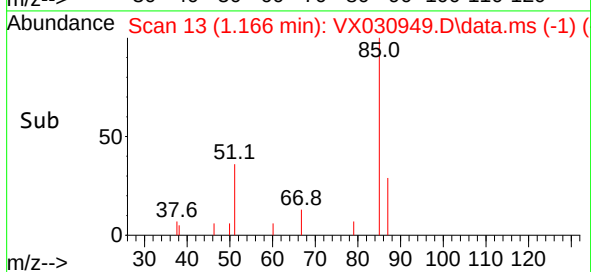
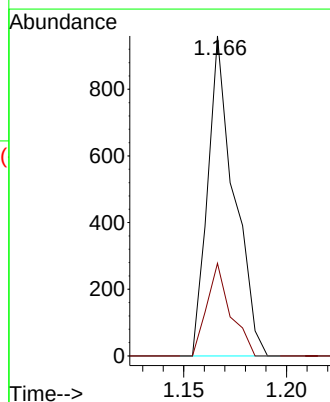
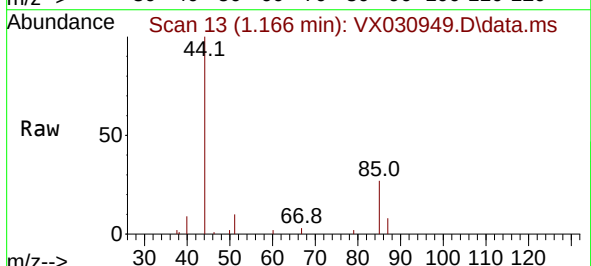
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D1-20220818DL

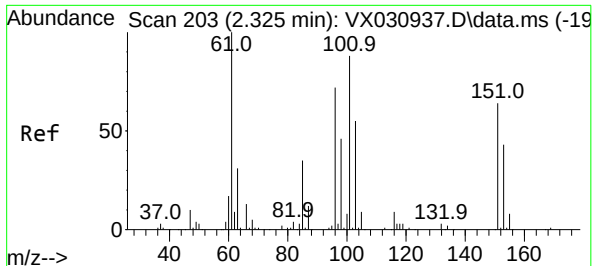
Tgt Ion:168 Resp: 215260  
Ion Ratio Lower Upper  
168 100  
99 54.6 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: 0.375 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

Tgt Ion: 85 Resp: 854  
Ion Ratio Lower Upper  
85 100  
87 29.0 16.5 49.5

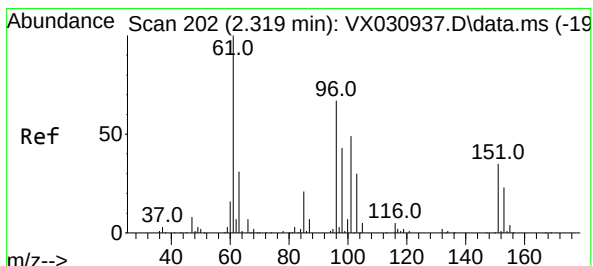
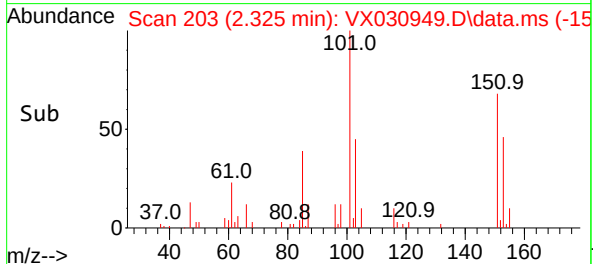
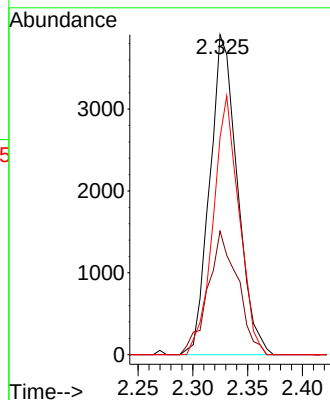
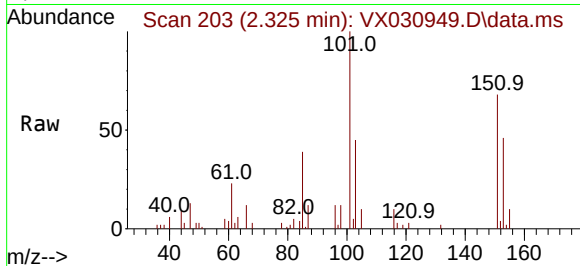




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.586 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. -0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

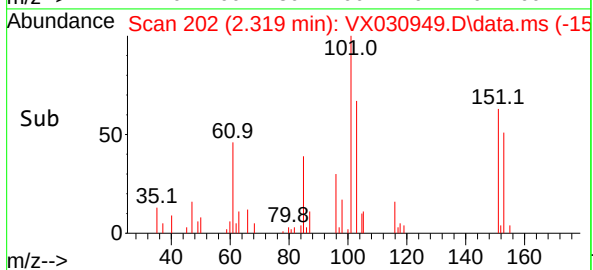
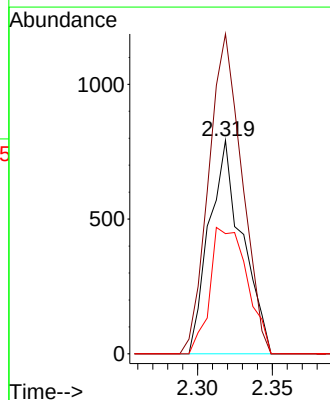
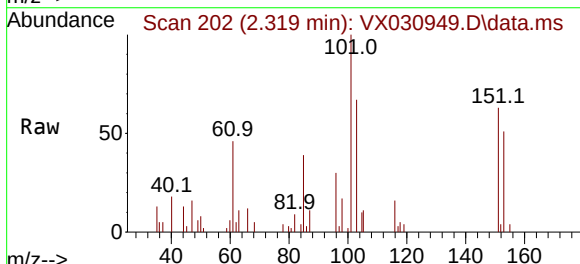
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D1-20220818DL

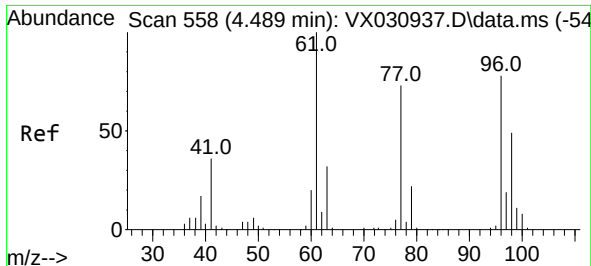
Tgt Ion:101 Resp: 6859  
Ion Ratio Lower Upper  
101 100  
85 41.6 34.0 51.0  
151 75.9 59.4 89.0



#12  
1,1-Dichloroethene  
Concen: 0.467 ug/l  
RT: 2.319 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

Tgt Ion: 96 Resp: 1222  
Ion Ratio Lower Upper  
96 100  
61 149.9 117.4 176.0  
98 56.3 52.2 78.4





#27

cis-1,2-Dichloroethene

Concen: 0.484 ug/l

RT: 4.501 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX030949.D

Acq: 30 Aug 2022 19:20

Instrument :

MSVOA\_X

ClientSampleId :

RE115D1-20220818DL

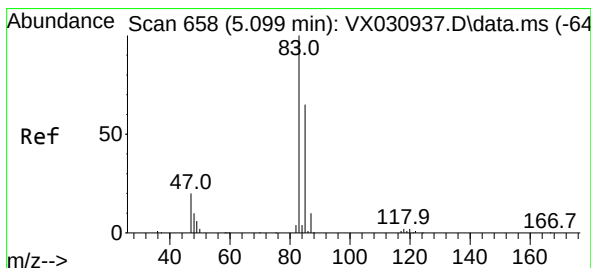
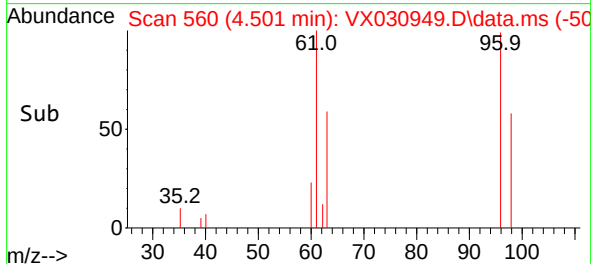
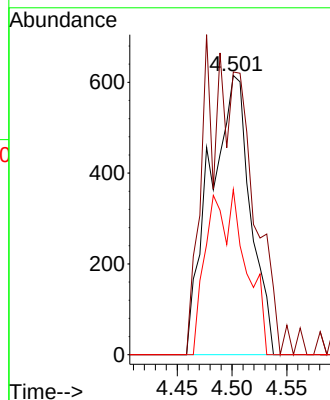
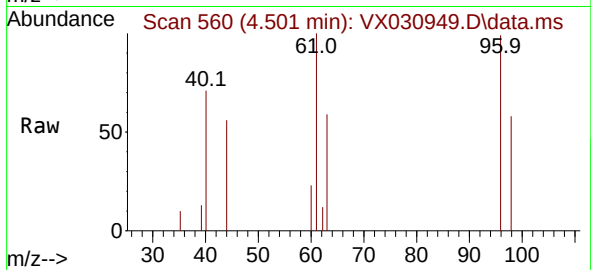
Tgt Ion: 96 Resp: 1582

Ion Ratio Lower Upper

96 100

61 0.0 0.0 270.0

98 56.1 0.0 127.8



#30

Chloroform

Concen: 0.342 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX030949.D

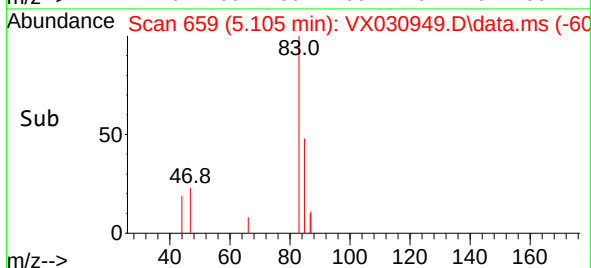
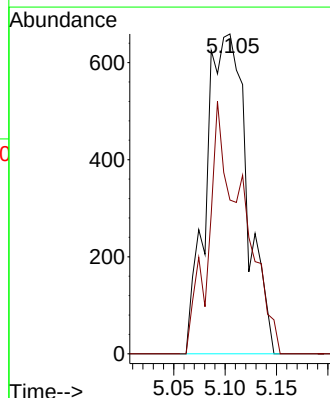
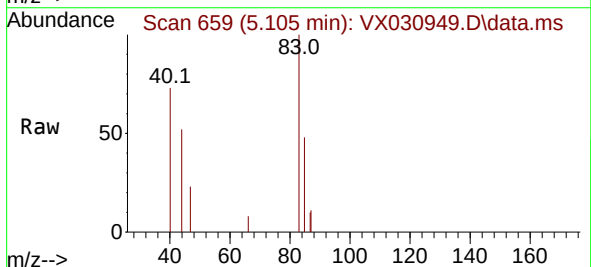
Acq: 30 Aug 2022 19:20

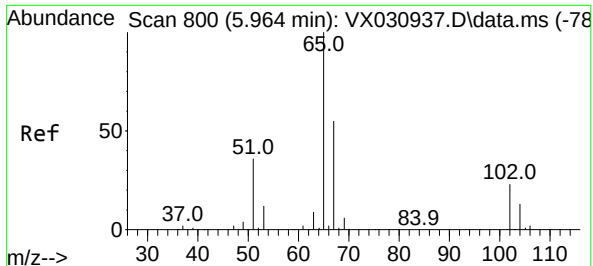
Tgt Ion: 83 Resp: 1815

Ion Ratio Lower Upper

83 100

85 48.1 51.5 77.3#





#33

1,2-Dichloroethane-d4

Concen: 48.135 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX030949.D

Acq: 30 Aug 2022 19:20

Instrument :

MSVOA\_X

ClientSampleId :

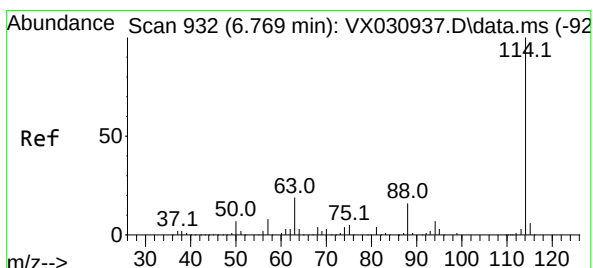
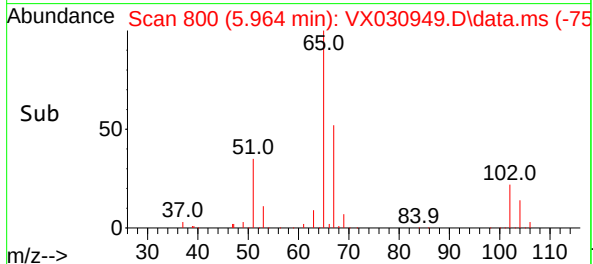
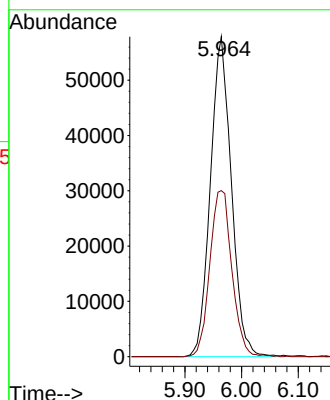
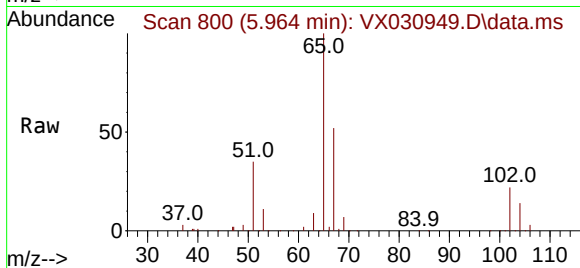
RE115D1-20220818DL

Tgt Ion: 65 Resp: 148614

Ion Ratio Lower Upper

65 100

67 54.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX030949.D

Acq: 30 Aug 2022 19:20

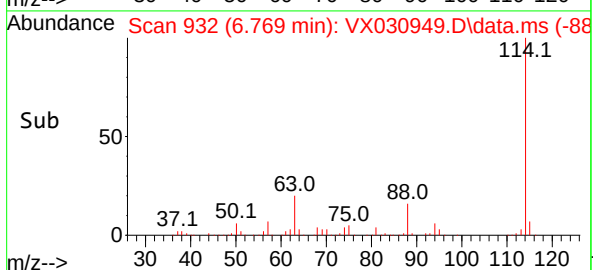
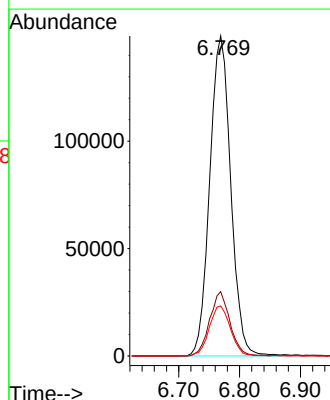
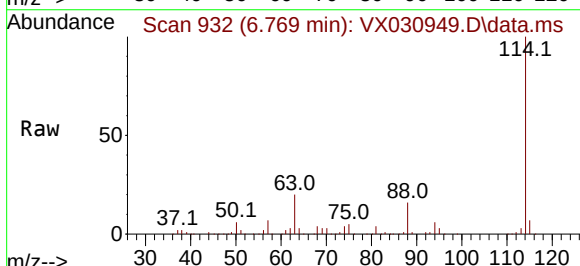
Tgt Ion: 114 Resp: 356215

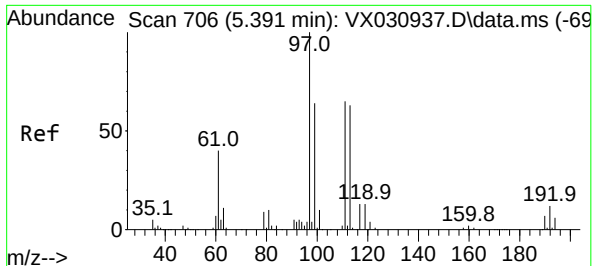
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 15.7 0.0 31.8

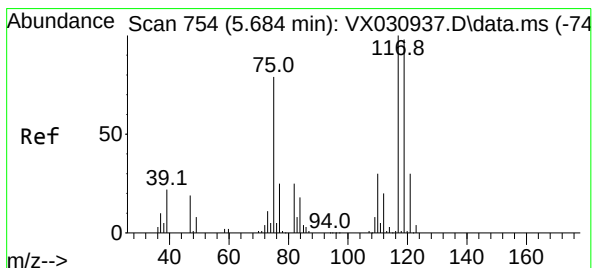
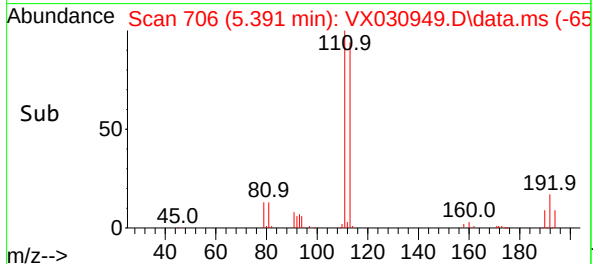
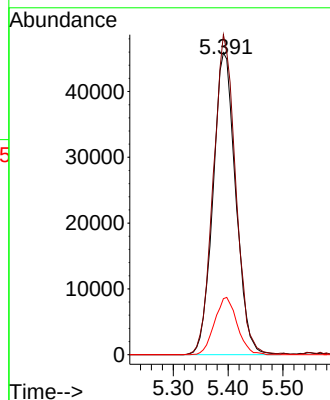
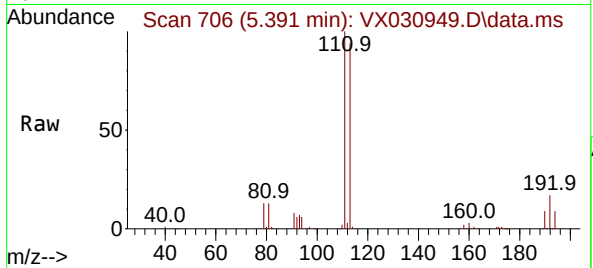




#35  
Dibromofluoromethane  
Concen: 50.224 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

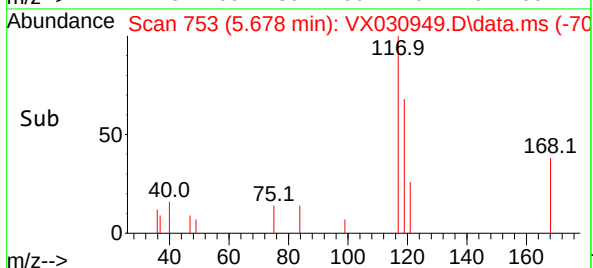
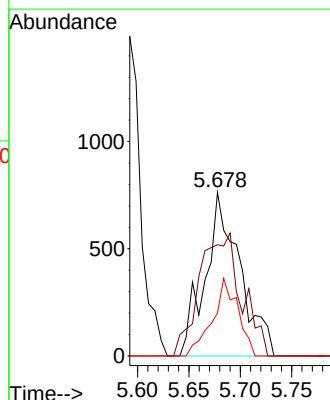
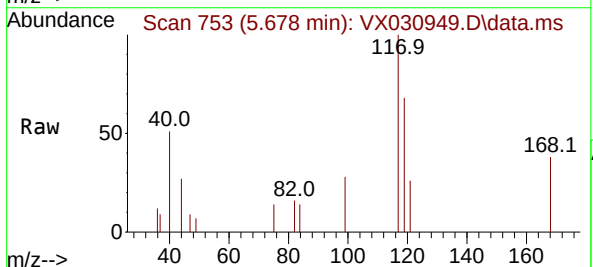
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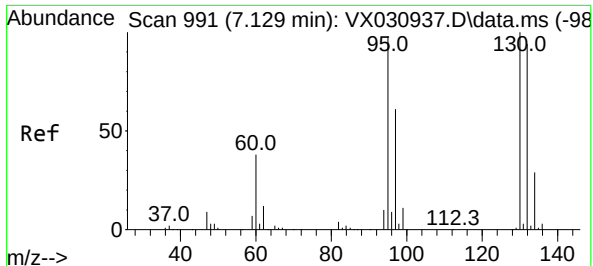
Tgt Ion:113 Resp: 131879  
Ion Ratio Lower Upper  
113 100  
111 104.8 83.2 124.8  
192 18.9 14.8 22.2



#38  
Carbon Tetrachloride  
Concen: 0.480 ug/l  
RT: 5.678 min Scan# 753  
Delta R.T. -0.006 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

Tgt Ion:117 Resp: 1784  
Ion Ratio Lower Upper  
117 100  
119 68.0 74.1 111.1#  
121 26.2 25.8 38.8

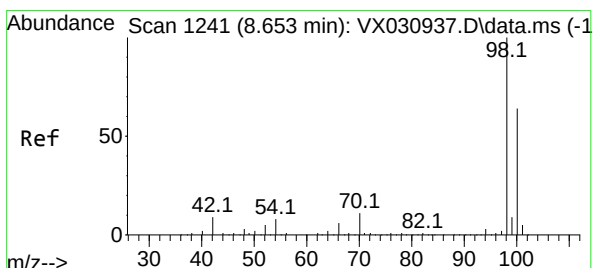
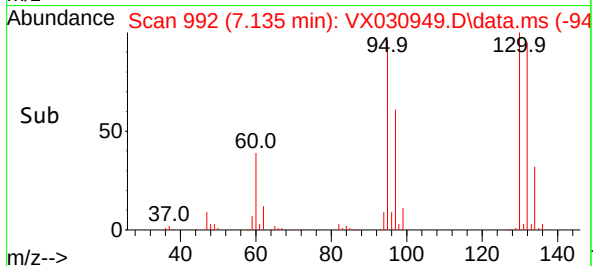
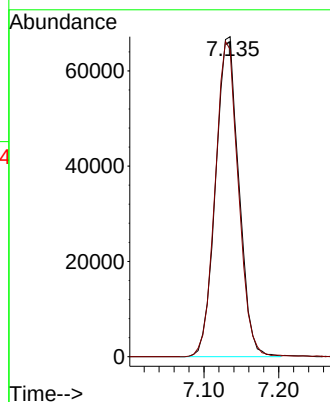
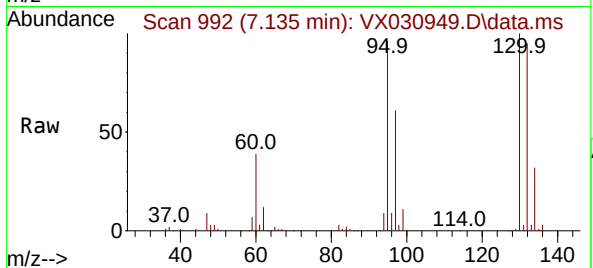




#44  
Trichloroethene  
Concen: 43.814 ug/l  
RT: 7.135 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

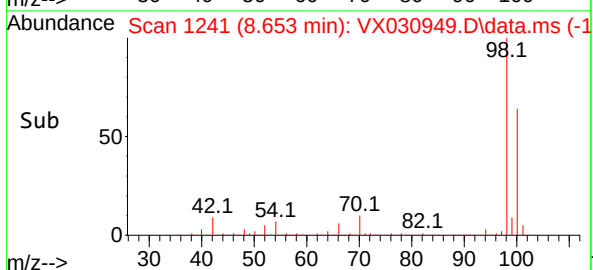
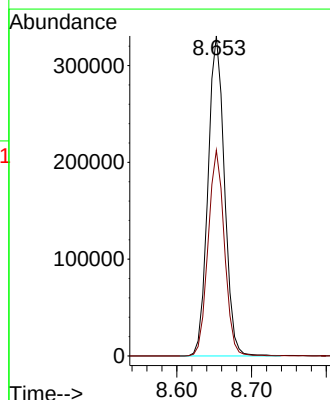
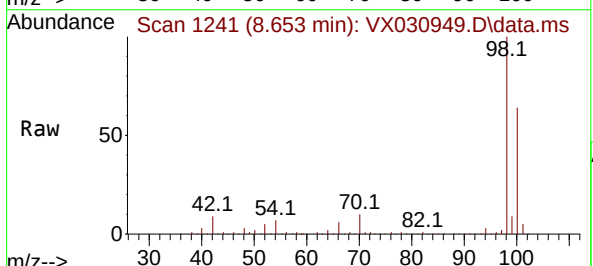
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Tgt Ion:130 Resp: 145189  
Ion Ratio Lower Upper  
130 100  
95 96.0 0.0 194.8

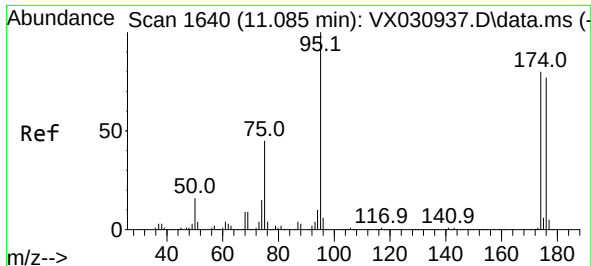


#50  
Toluene-d8  
Concen: 52.121 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

Tgt Ion: 98 Resp: 506847  
Ion Ratio Lower Upper  
98 100  
100 63.7 52.3 78.5



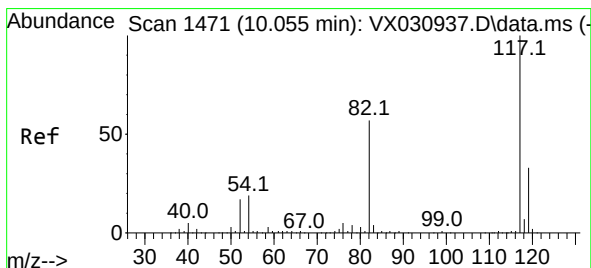
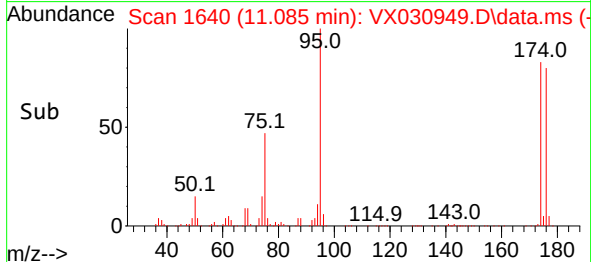
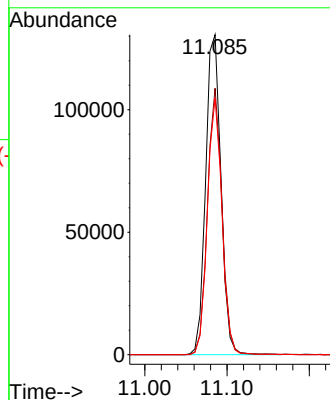
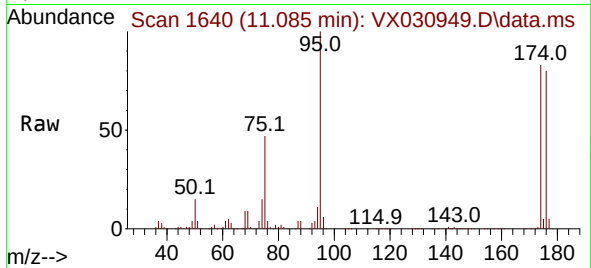




#62  
4-Bromofluorobenzene  
Concen: 48.728 ug/l  
RT: 11.085 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

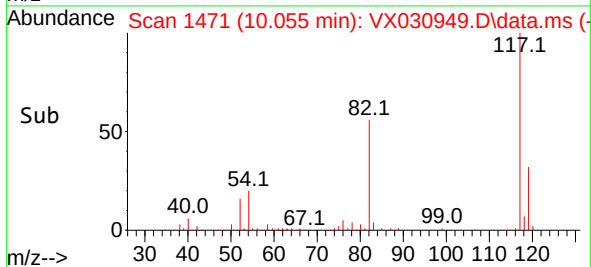
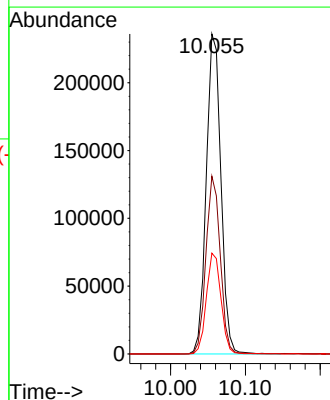
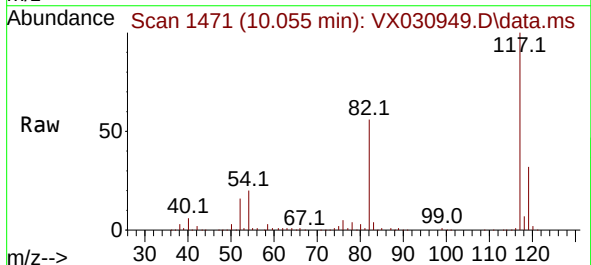
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE115D1-20220818DL

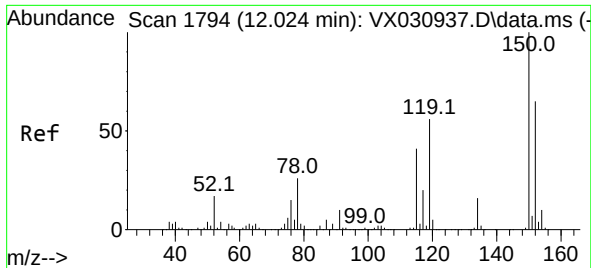
Tgt Ion: 95 Resp: 168740  
Ion Ratio Lower Upper  
95 100  
174 79.7 0.0 149.0  
176 76.4 0.0 146.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX030949.D  
Acq: 30 Aug 2022 19:20

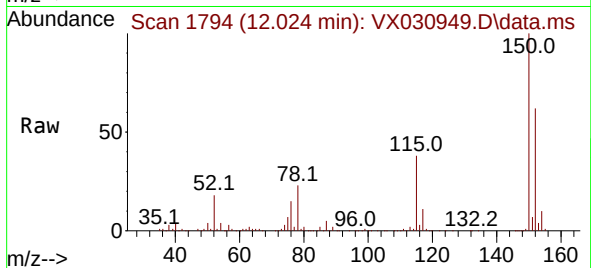
Tgt Ion: 117 Resp: 321216  
Ion Ratio Lower Upper  
117 100  
82 55.6 42.7 64.1  
119 31.5 25.4 38.2





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX030949.D  
 Acq: 30 Aug 2022 19:20

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE115D1-20220818DL



Tgt Ion:152 Resp: 137802  
 Ion Ratio Lower Upper  
 152 100  
 115 59.7 40.5 121.5  
 150 159.2 0.0 347.0

