

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111722\  
 Data File : VX032909.D  
 Acq On : 17 Nov 2022 18:44  
 Operator : JC/MD  
 Sample : N5672-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE125D2-20221116

Quant Time: Nov 18 01:42:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

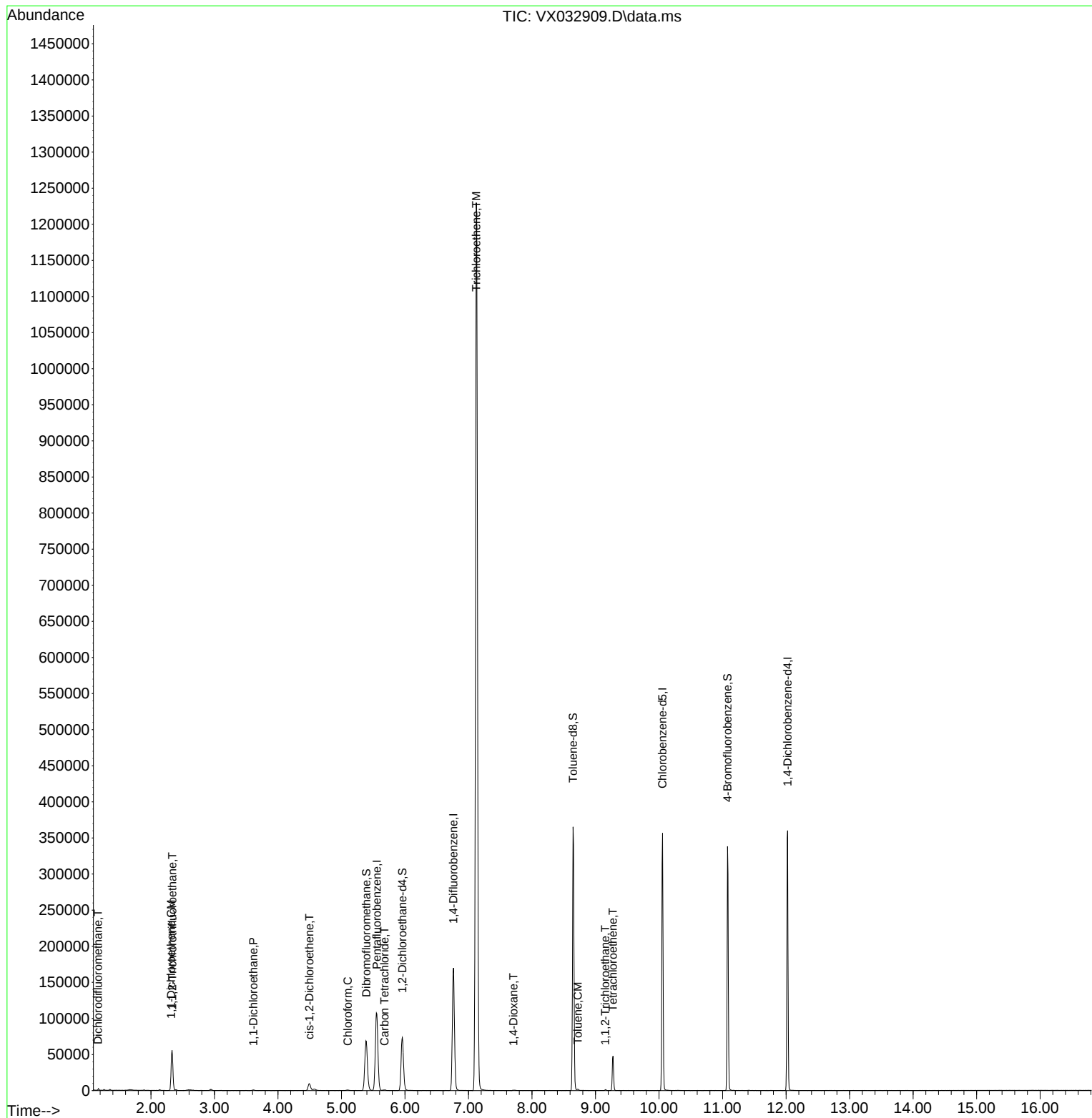
| Compound                     |  |  | R.T.   | QIon     | Response | Conc       | Units  | Dev(Min) |
|------------------------------|--|--|--------|----------|----------|------------|--------|----------|
| -----                        |  |  |        |          |          |            |        |          |
| Internal Standards           |  |  |        |          |          |            |        |          |
| 1) Pentafluorobenzene        |  |  | 5.556  | 168      | 102239   | 50.000     | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      |  |  | 6.763  | 114      | 171999   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         |  |  | 10.055 | 117      | 156990   | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   |  |  | 12.024 | 152      | 74114    | 50.000     | ug/l   | 0.00     |
| System Monitoring Compounds  |  |  |        |          |          |            |        |          |
| 33) 1,2-Dichloroethane-d4    |  |  | 5.958  | 65       | 74820    | 52.668     | ug/l   | 0.00     |
| Spiked Amount 50.000         |  |  | Range  | 78 - 117 | Recovery | = 105.340% |        |          |
| 35) Dibromofluoromethane     |  |  | 5.391  | 113      | 59746    | 48.697     | ug/l   | 0.00     |
| Spiked Amount 50.000         |  |  | Range  | 75 - 124 | Recovery | = 97.400%  |        |          |
| 50) Toluene-d8               |  |  | 8.647  | 98       | 215857   | 50.598     | ug/l   | 0.00     |
| Spiked Amount 50.000         |  |  | Range  | 92 - 112 | Recovery | = 101.200% |        |          |
| 62) 4-Bromofluorobenzene     |  |  | 11.079 | 95       | 83669    | 50.208     | ug/l   | 0.00     |
| Spiked Amount 50.000         |  |  | Range  | 83 - 123 | Recovery | = 100.420% |        |          |
| Target Compounds             |  |  |        |          |          |            |        |          |
|                              |  |  |        |          |          |            |        | Qvalue   |
| 2) Dichlorodifluoromethane   |  |  | 1.166  | 85       | 529      | 0.449      | ug/l   | 78       |
| 9) 1,1,2-Trichlorotrifluo... |  |  | 2.337  | 101      | 17600    | 16.035     | ug/l   | 97       |
| 12) 1,1-Dichloroethene       |  |  | 2.319  | 96       | 4761     | 4.643      | ug/l   | 90       |
| 24) 1,1-Dichloroethane       |  |  | 3.611  | 63       | 1206     | 0.593      | ug/l # | 89       |
| 27) cis-1,2-Dichloroethene   |  |  | 4.495  | 96       | 6686     | 5.183      | ug/l   | 86       |
| 30) Chloroform               |  |  | 5.099  | 83       | 1180     | 0.529      | ug/l # | 81       |
| 38) Carbon Tetrachloride     |  |  | 5.678  | 117      | 751      | 0.396      | ug/l # | 81       |
| 44) Trichloroethene          |  |  | 7.123  | 130      | 470094   | 345.398    | ug/l   | 96       |
| 49) 1,4-Dioxane              |  |  | 7.708  | 88       | 738      | 27.460     | ug/l # | 26       |
| 52) Toluene                  |  |  | 8.720  | 92       | 740      | 0.235      | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane    |  |  | 9.153  | 97       | 426      | 0.321      | ug/l   | 95       |
| 64) Tetrachloroethene        |  |  | 9.275  | 164      | 8795     | 7.654      | ug/l   | 98       |
| -----                        |  |  |        |          |          |            |        |          |

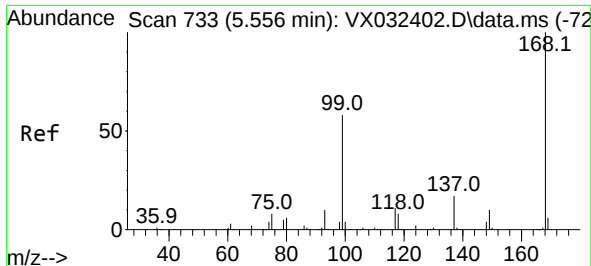
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111722\  
Data File : VX032909.D  
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Sample : N5672-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20221116

Quant Time: Nov 18 01:42:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration

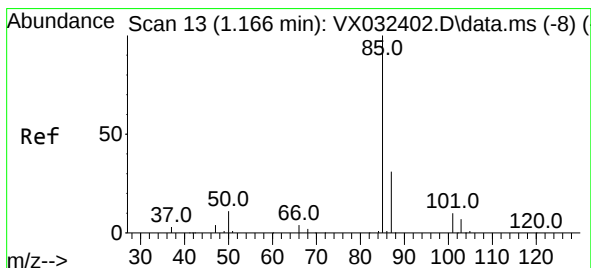
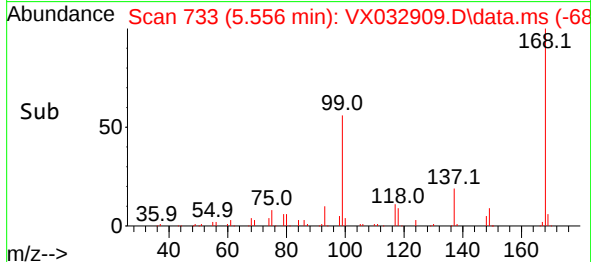
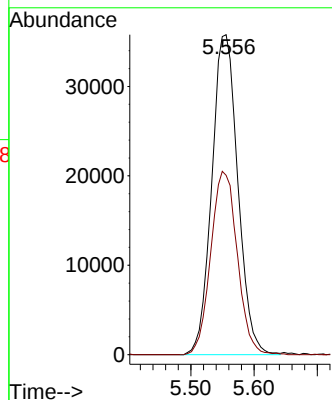
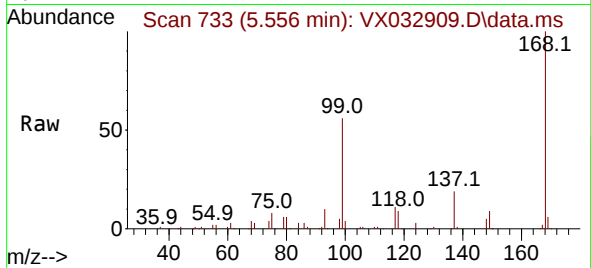




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

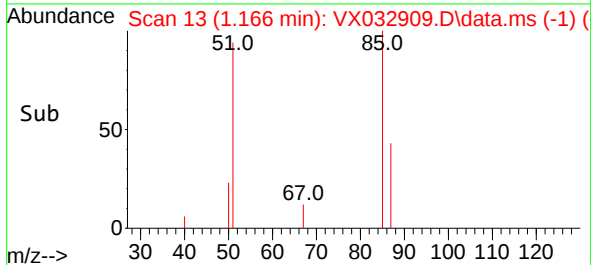
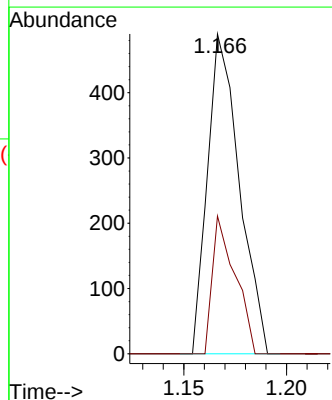
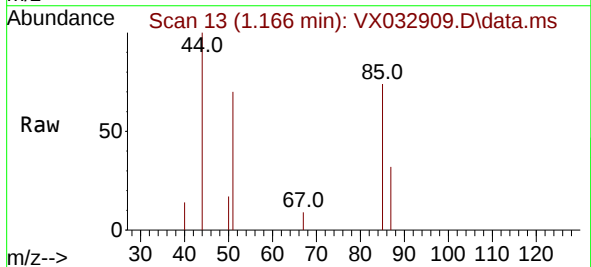
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20221116

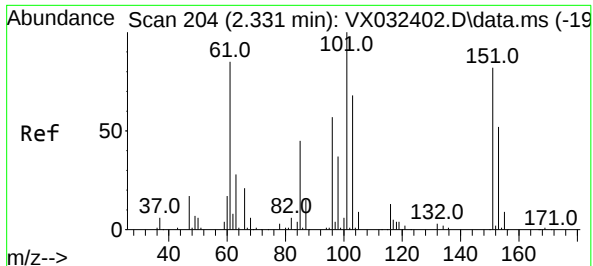
Tgt Ion:168 Resp: 102239  
Ion Ratio Lower Upper  
168 100  
99 56.0 46.1 69.1



#2  
Dichlorodifluoromethane  
Concen: 0.449 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Tgt Ion: 85 Resp: 529  
Ion Ratio Lower Upper  
85 100  
87 43.1 15.6 46.7

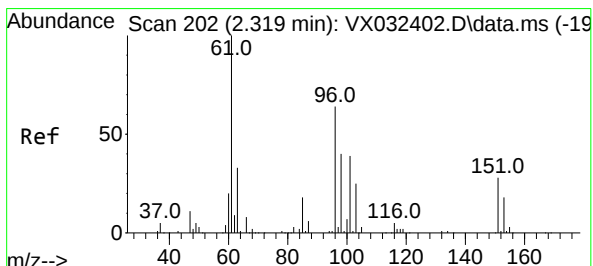
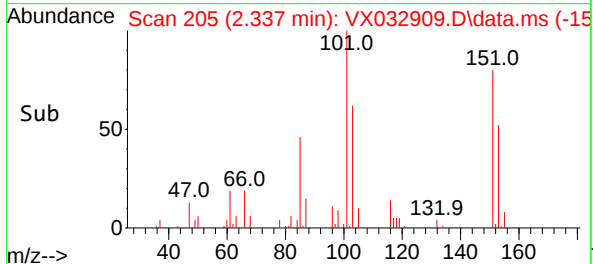
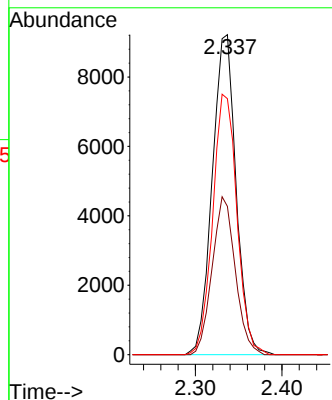
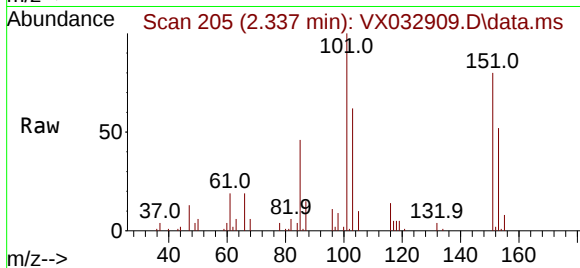




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 16.035 ug/l  
 RT: 2.337 min Scan# 204  
 Delta R.T. 0.006 min  
 Lab File: VX032909.D  
 Acq: 17 Nov 2022 18:44

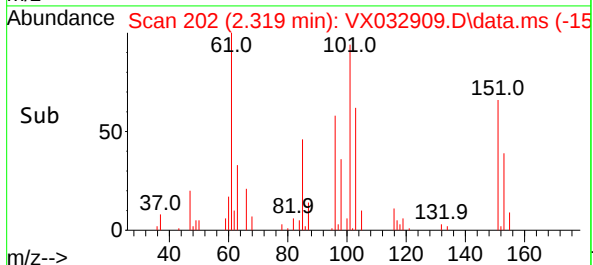
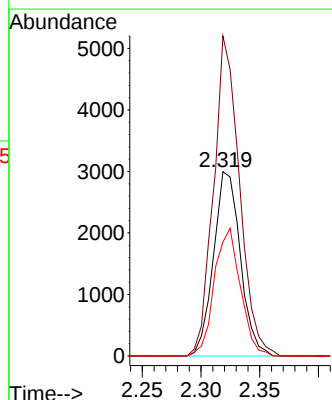
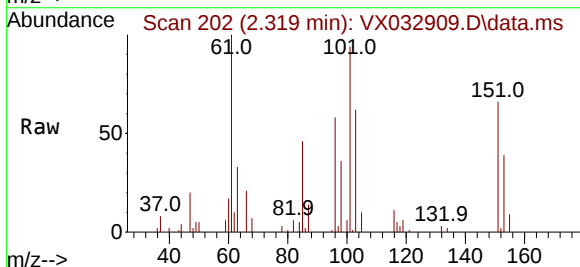
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE125D2-20221116

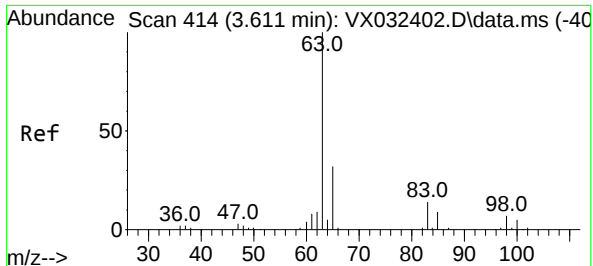
Tgt Ion:101 Resp: 17600  
 Ion Ratio Lower Upper  
 101 100  
 85 48.0 37.0 55.4  
 151 82.8 64.4 96.6



#12  
 1,1-Dichloroethene  
 Concen: 4.643 ug/l  
 RT: 2.319 min Scan# 202  
 Delta R.T. 0.000 min  
 Lab File: VX032909.D  
 Acq: 17 Nov 2022 18:44

Tgt Ion: 96 Resp: 4761  
 Ion Ratio Lower Upper  
 96 100  
 61 173.7 125.1 187.7  
 98 61.8 50.6 76.0

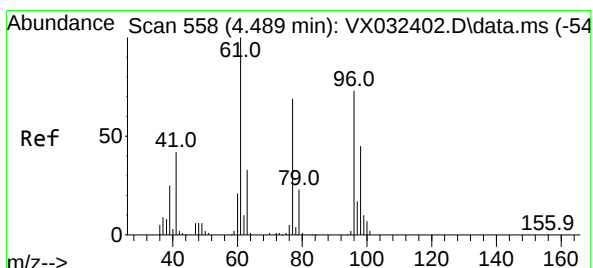
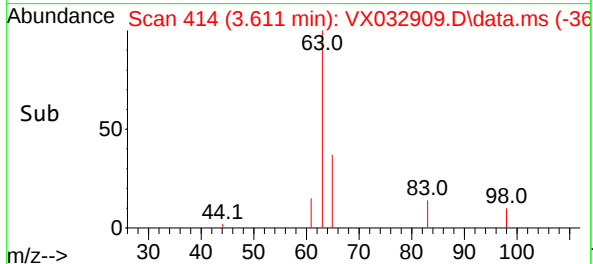
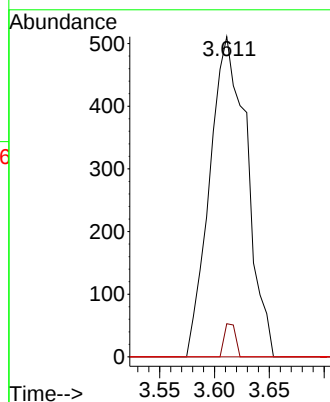
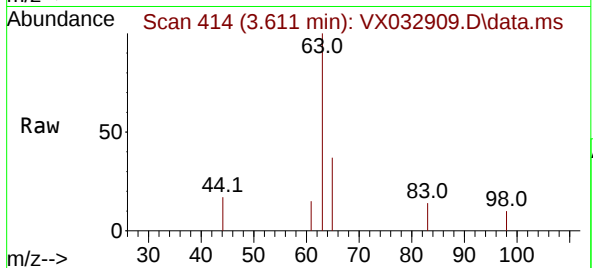




#24  
1,1-Dichloroethane  
Concen: 0.593 ug/l  
RT: 3.611 min Scan# 414  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

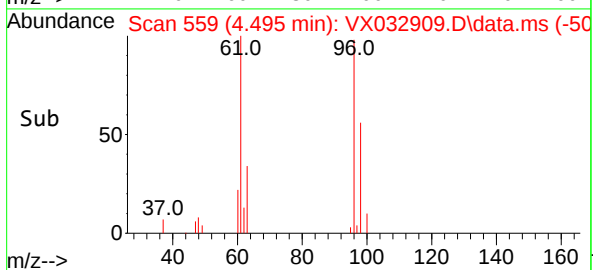
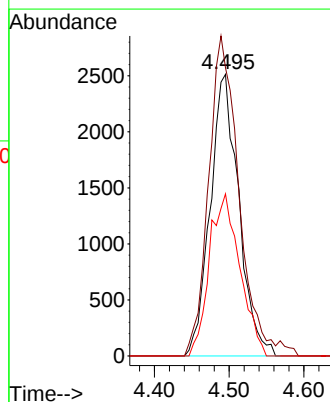
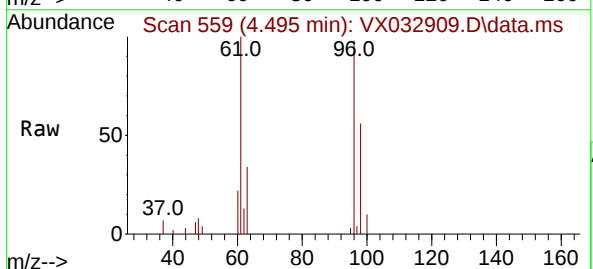
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20221116

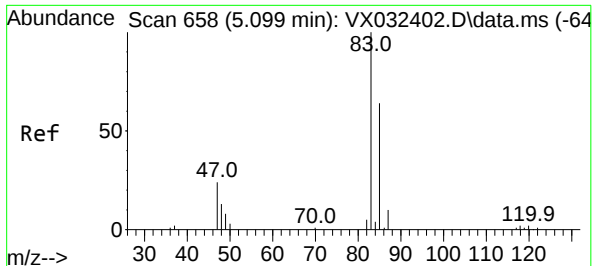
Tgt Ion: 63 Resp: 1206  
Ion Ratio Lower Upper  
63 100  
98 10.4 3.5 10.4#  
100 0.0 2.3 6.8#



#27  
cis-1,2-Dichloroethene  
Concen: 5.183 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.006 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Tgt Ion: 96 Resp: 6686  
Ion Ratio Lower Upper  
96 100  
61 120.9 0.0 286.0  
98 61.3 0.0 129.6





#30

Chloroform

Concen: 0.529 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX032909.D

Acq: 17 Nov 2022 18:44

Instrument :

MSVOA\_X

ClientSampleId :

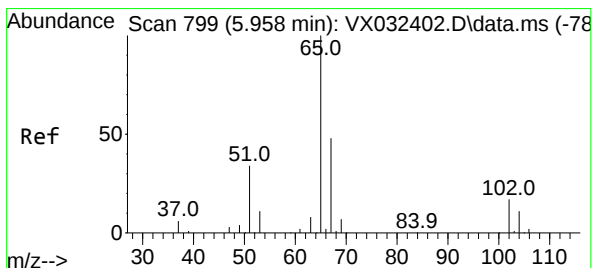
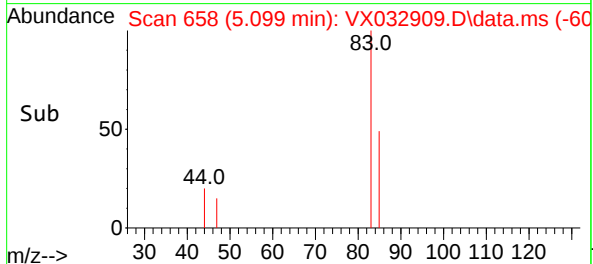
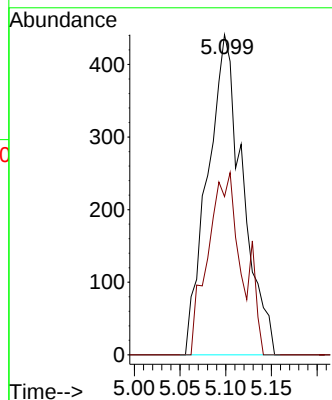
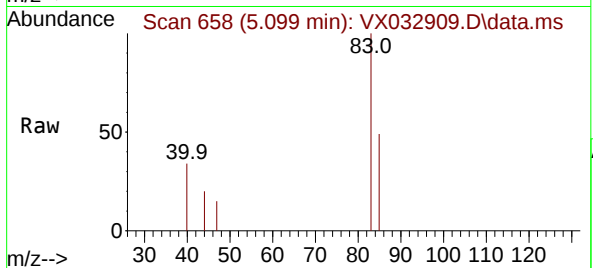
RE125D2-20221116

Tgt Ion: 83 Resp: 1180

Ion Ratio Lower Upper

83 100

85 49.4 51.1 76.7#



#33

1,2-Dichloroethane-d4

Concen: 52.668 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032909.D

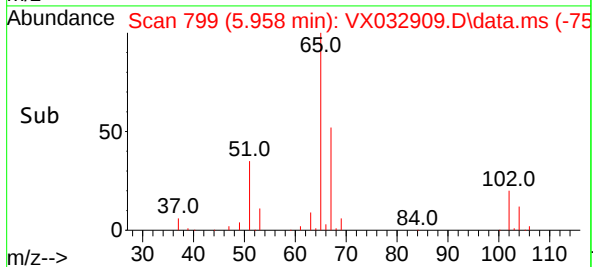
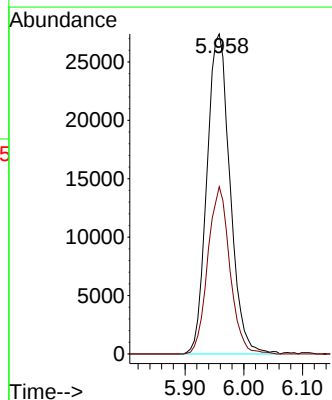
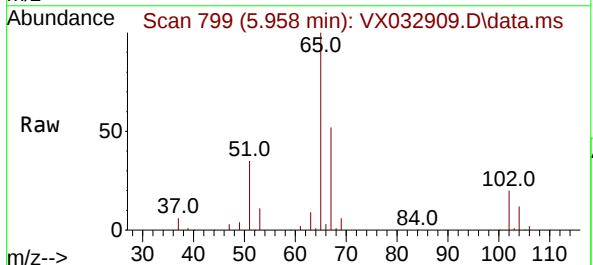
Acq: 17 Nov 2022 18:44

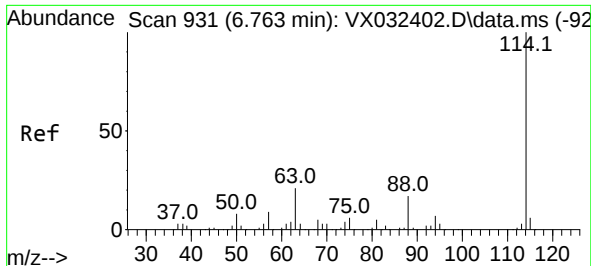
Tgt Ion: 65 Resp: 74820

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.8

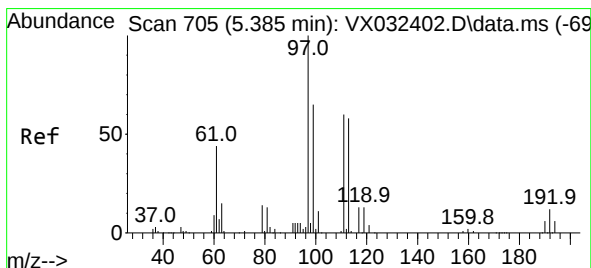
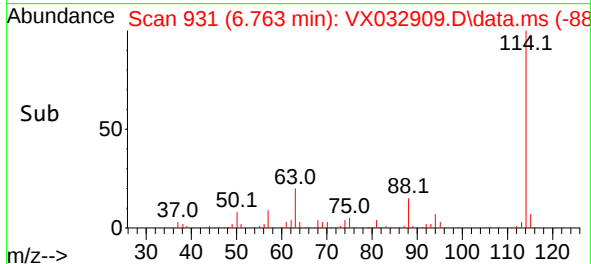
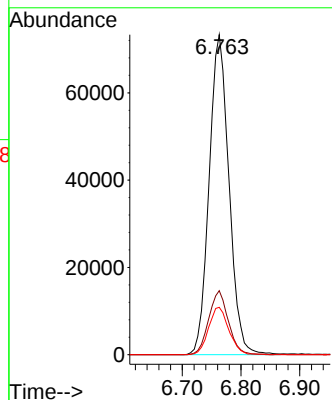
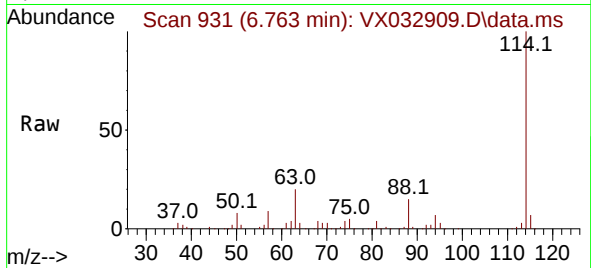




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

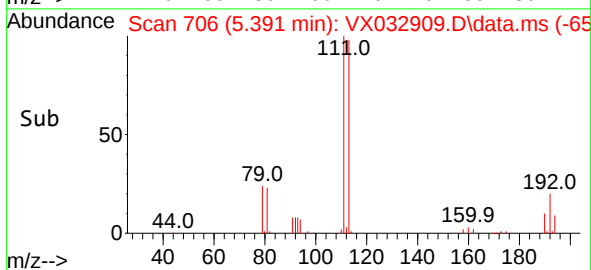
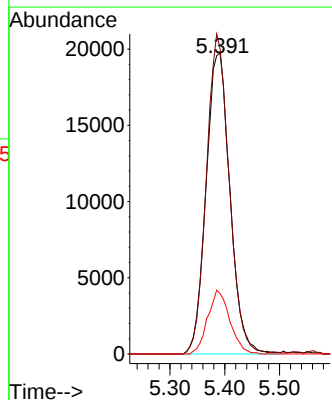
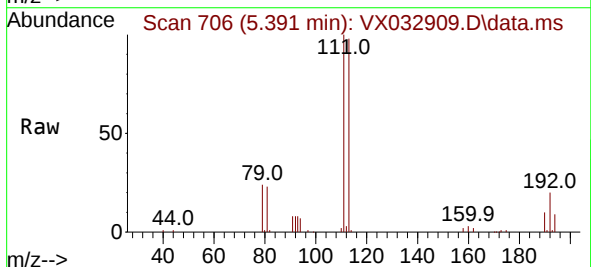
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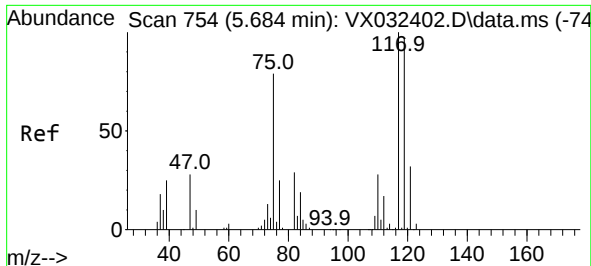
Tgt Ion:114 Resp: 171999  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 41.6  
88 14.8 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.697 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Tgt Ion:113 Resp: 59746  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.4 123.6  
192 19.6 15.4 23.2

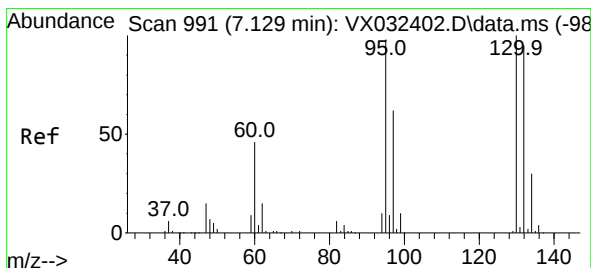
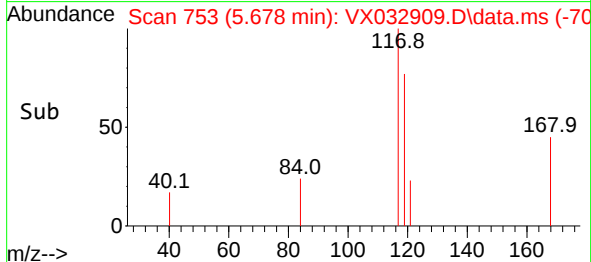
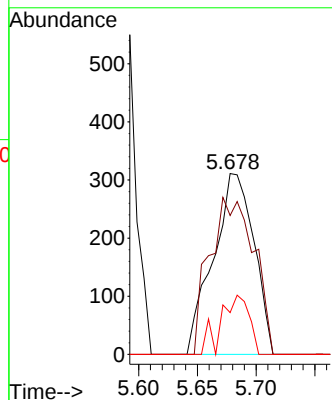
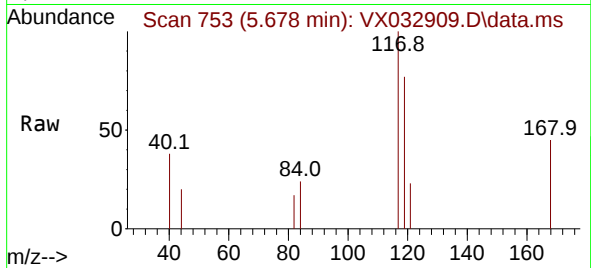




#38  
Carbon Tetrachloride  
Concen: 0.396 ug/l  
RT: 5.678 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

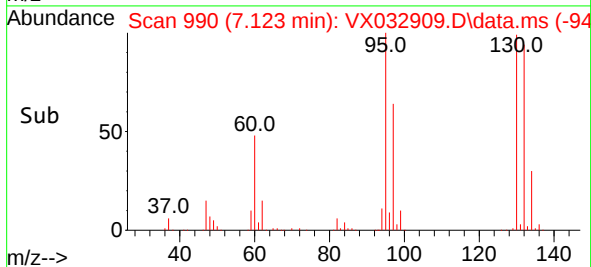
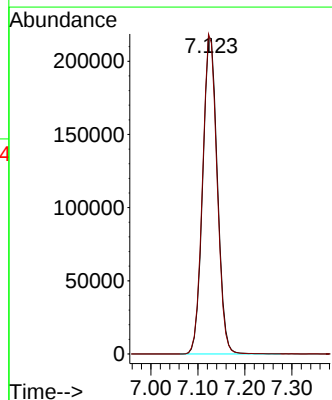
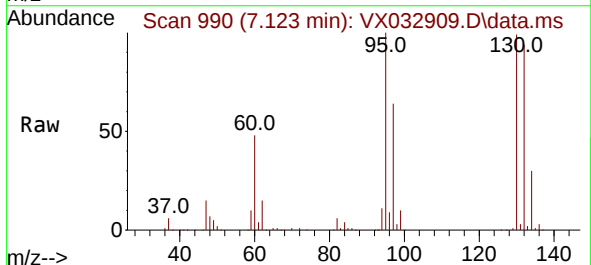
Instrument :  
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RE125D2-20221116

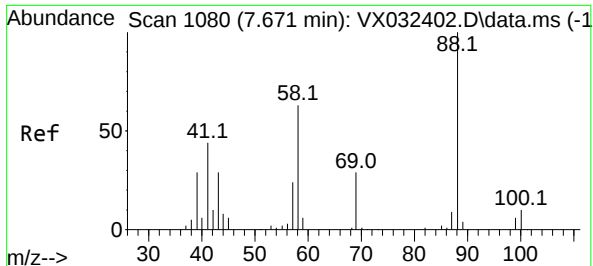
Tgt Ion:117 Resp: 751  
Ion Ratio Lower Upper  
117 100  
119 76.8 77.2 115.8#  
121 23.2 25.8 38.6#



#44  
Trichloroethene  
Concen: 345.398 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Tgt Ion:130 Resp: 470094  
Ion Ratio Lower Upper  
130 100  
95 101.2 0.0 195.2





#49

1,4-Dioxane

Concen: 27.460 ug/l

RT: 7.708 min Scan# 1080

Delta R.T. 0.037 min

Lab File: VX032909.D

Acq: 17 Nov 2022 18:44

Instrument :

MSVOA\_X

ClientSampleId :

RE125D2-20221116

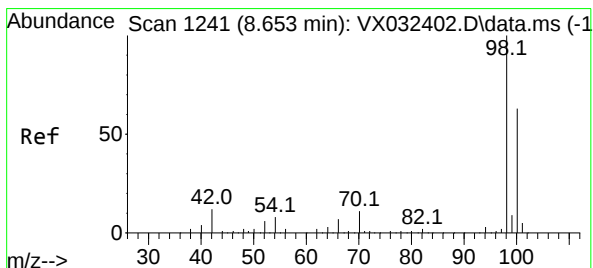
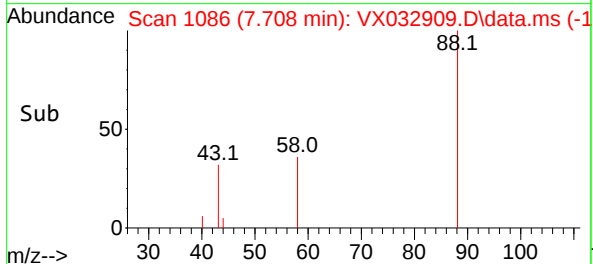
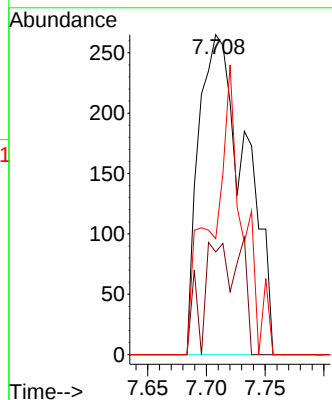
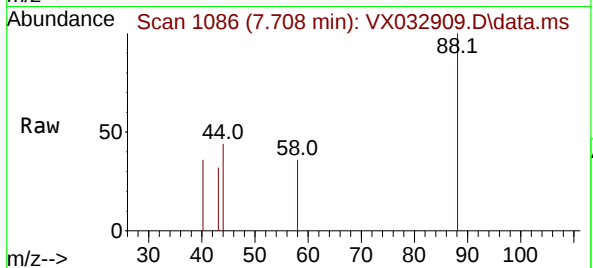
Tgt Ion: 88 Resp: 738

Ion Ratio Lower Upper

88 100

43 0.0 26.6 39.8#

58 0.0 51.7 77.5#



#50

Toluene-d8

Concen: 50.598 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX032909.D

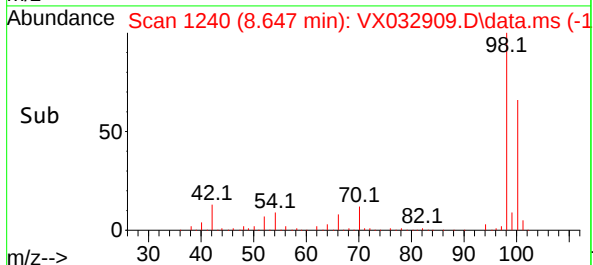
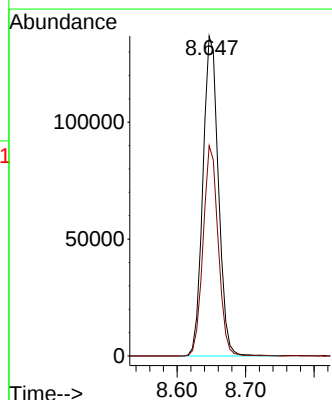
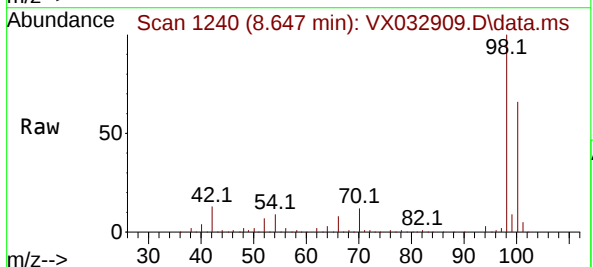
Acq: 17 Nov 2022 18:44

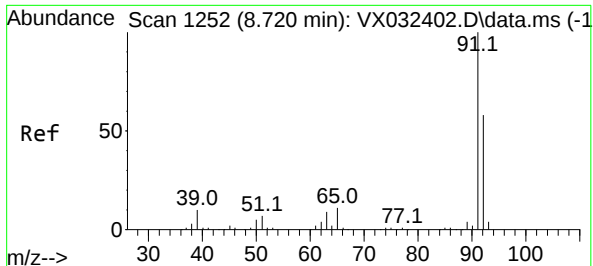
Tgt Ion: 98 Resp: 215857

Ion Ratio Lower Upper

98 100

100 64.1 50.9 76.3

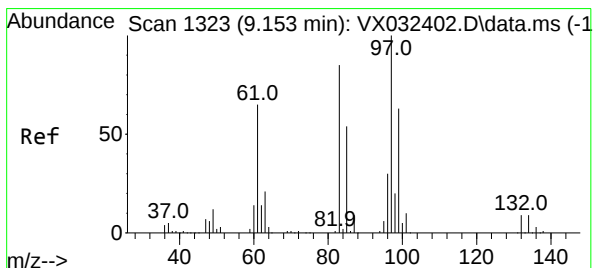
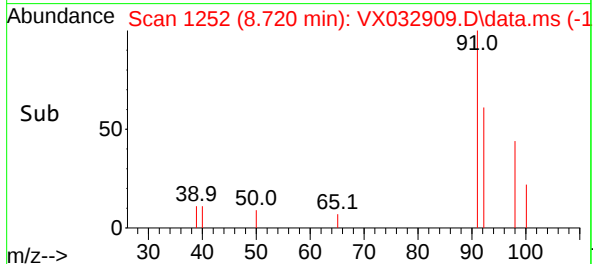
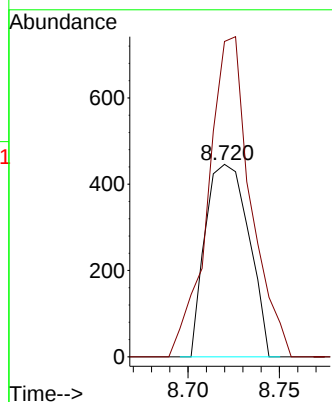
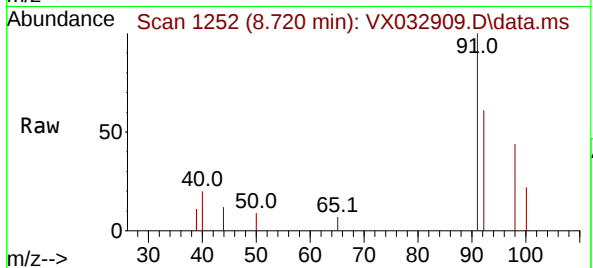




#52  
Toluene  
Concen: 0.235 ug/l  
RT: 8.720 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

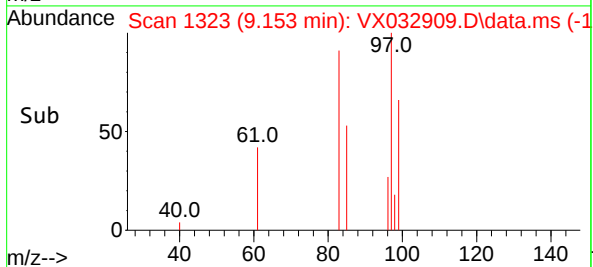
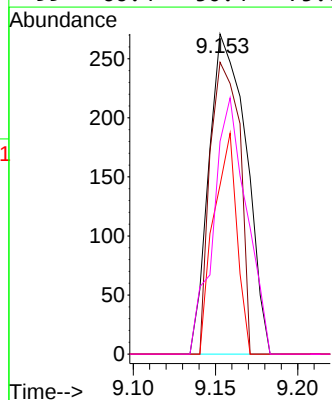
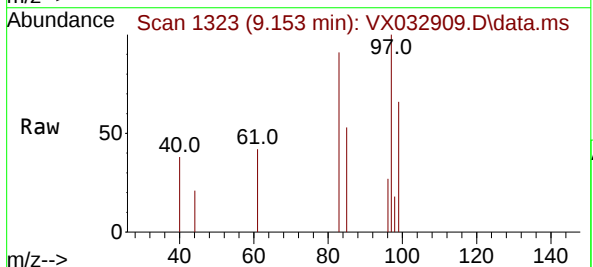
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20221116

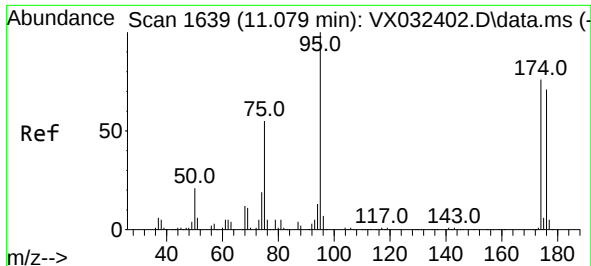
Tgt Ion: 92 Resp: 740  
Ion Ratio Lower Upper  
92 100  
91 162.8 138.3 207.5



#55  
1,1,2-Trichloroethane  
Concen: 0.321 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Tgt Ion: 97 Resp: 426  
Ion Ratio Lower Upper  
97 100  
83 91.1 68.1 102.1  
85 52.8 43.3 64.9  
99 66.4 50.4 75.6

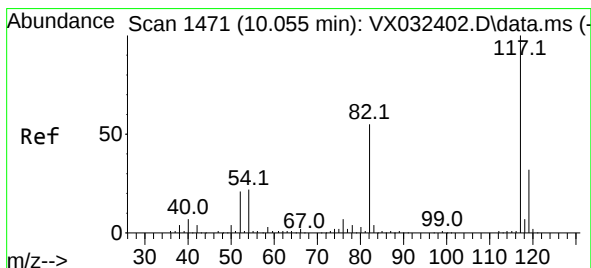
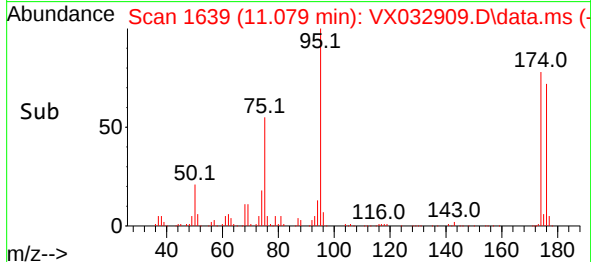
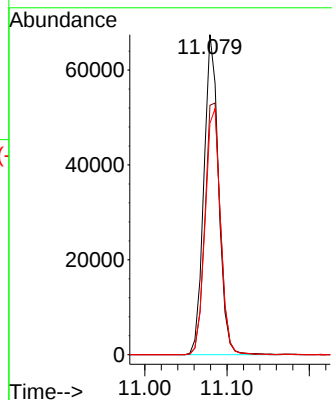
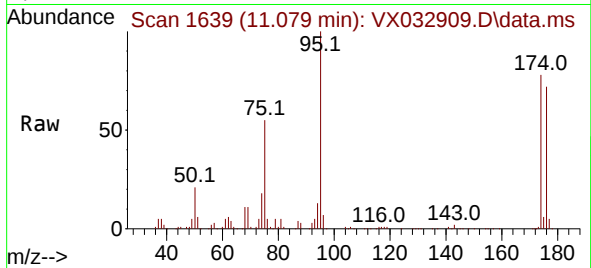




#62  
4-Bromofluorobenzene  
Concen: 50.208 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

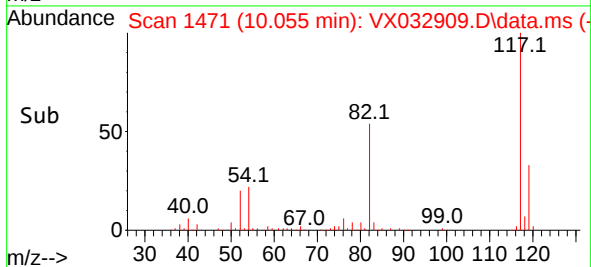
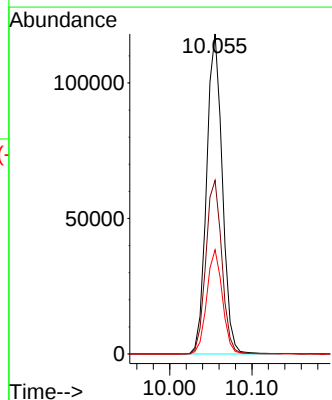
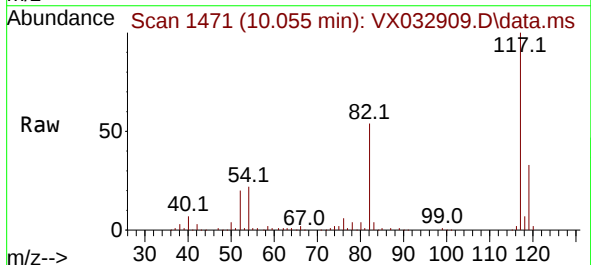
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20221116

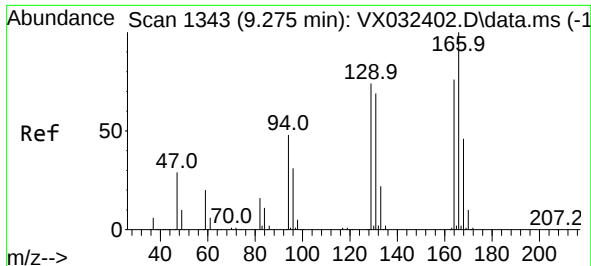
Tgt Ion: 95 Resp: 83669  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 164.0  
176 80.4 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

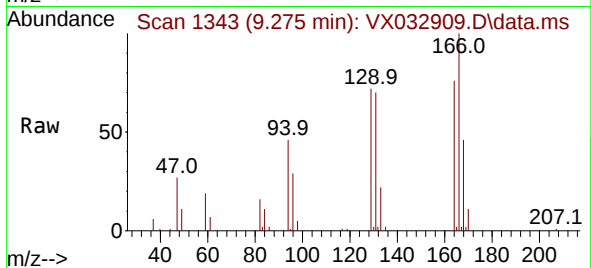
Tgt Ion: 117 Resp: 156990  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.3 66.5  
119 32.5 25.7 38.5



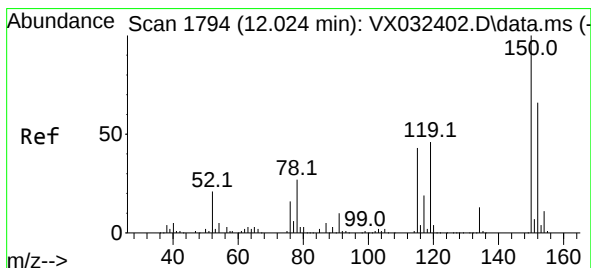
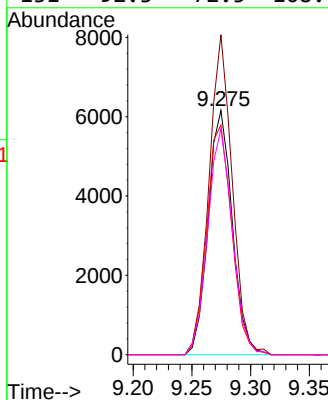
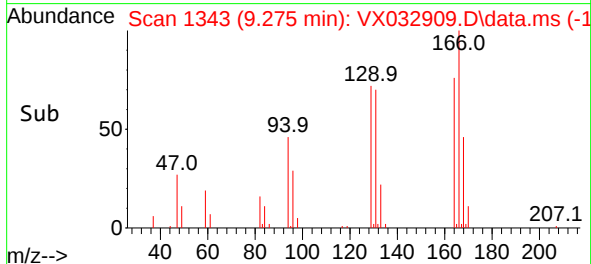


#64  
Tetrachloroethene  
Concen: 7.654 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE125D2-20221116



Tgt Ion:164 Resp: 8795  
Ion Ratio Lower Upper  
164 100  
166 131.1 105.4 158.2  
129 94.0 78.2 117.2  
131 92.3 72.5 108.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032909.D  
Acq: 17 Nov 2022 18:44

Tgt Ion:152 Resp: 74114  
Ion Ratio Lower Upper  
152 100  
115 60.6 44.0 132.0  
150 157.2 0.0 351.8

