

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111822\  
 Data File : VX032929.D  
 Acq On : 18 Nov 2022 16:51  
 Operator : JC/MD  
 Sample : N5671-10RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D1-20221115

Quant Time: Nov 19 03:08:20 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

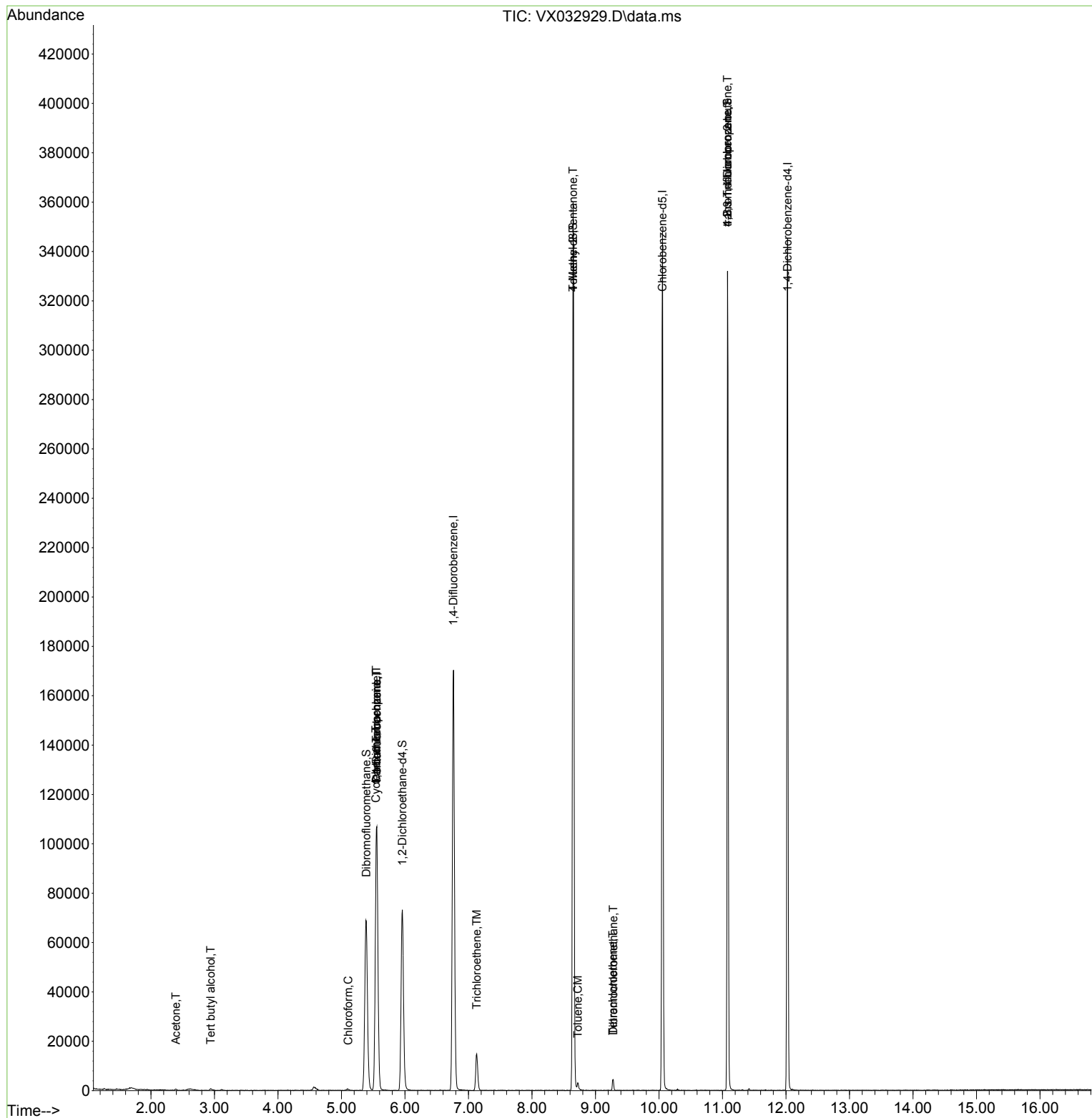
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 102835   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 172646   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 156390   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 70791    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 75049    | 52.523   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 105.040% |
| 35) Dibromofluoromethane      | 5.391  | 113   | 59949    | 48.680   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 97.360%  |
| 50) Toluene-d8                | 8.647  | 98    | 213606   | 49.882   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 99.760%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 80515    | 48.134   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 96.260%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 2.941  | 59    | 423      | 2.034    | ug/l # | 72       |
| 16) Acetone                   | 2.392  | 43    | 561      | 1.080    | ug/l   | 91       |
| 30) Chloroform                | 5.105  | 83    | 734      | 0.327    | ug/l   | 96       |
| 31) Cyclohexane               | 5.544  | 56    | 2255     | 1.302    | ug/l # | 28       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 8068     | 4.705    | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 10512    | 5.527    | ug/l # | 15       |
| 44) Trichloroethene           | 7.129  | 130   | 5990     | 4.385    | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1044     | 0.605    | ug/l # | 1        |
| 52) Toluene                   | 8.720  | 92    | 1193     | 0.377    | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.281  | 129   | 881      | 0.605    | ug/l # | 11       |
| 64) Tetrachloroethene         | 9.275  | 164   | 782      | 0.683    | ug/l # | 86       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 44191    | 28.059   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 44191    | 89.285   | ug/l # | 6        |
| -----                         |        |       |          |          |        |          |

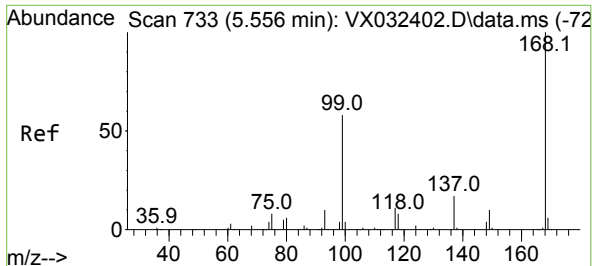
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE134D1-20221115

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QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration

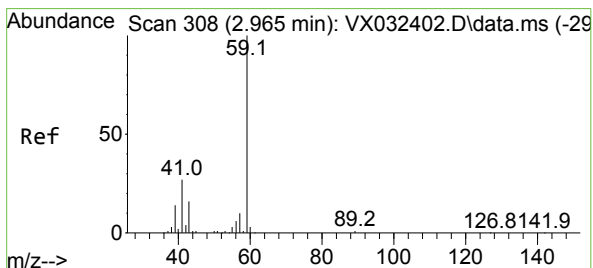
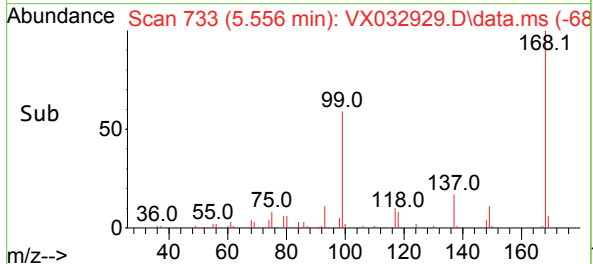
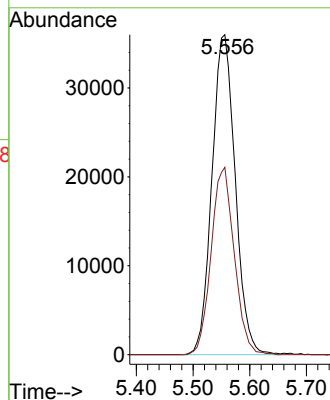
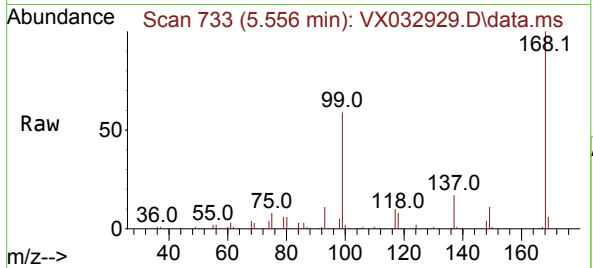




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

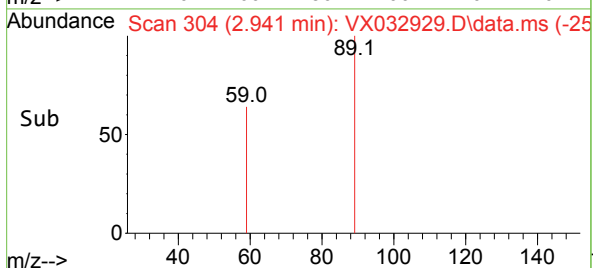
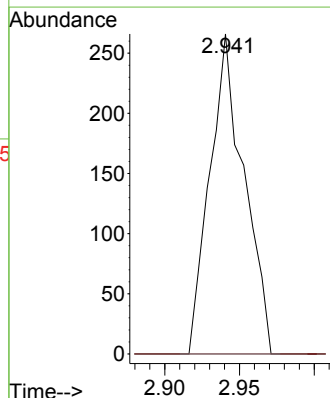
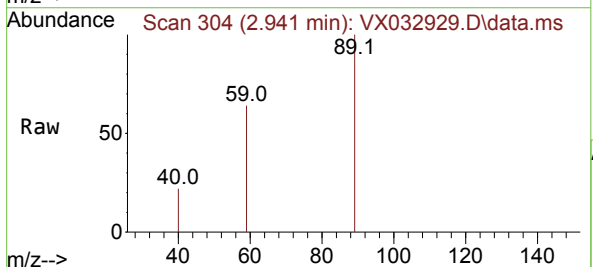
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20221115

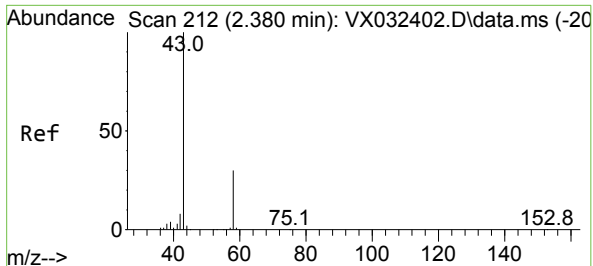
Tgt Ion:168 Resp: 102835  
Ion Ratio Lower Upper  
168 100  
99 58.6 46.1 69.1



#11  
Tert butyl alcohol  
Concen: 2.034 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. -0.024 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion: 59 Resp: 423  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.4#

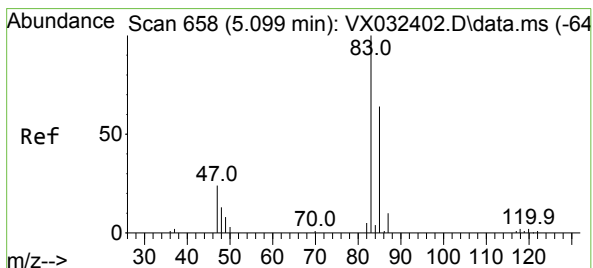
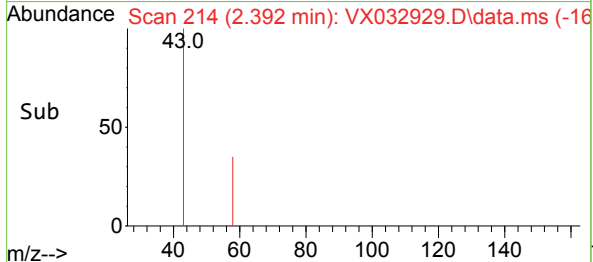
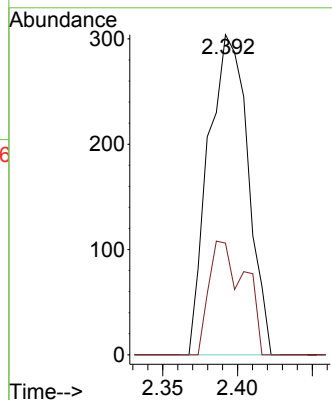
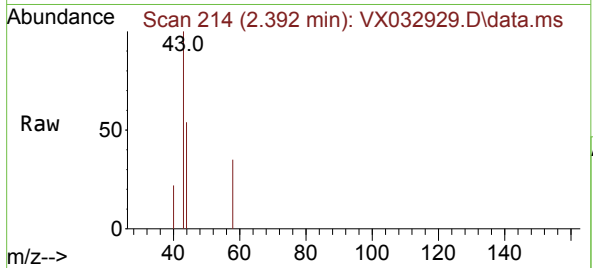




#16  
Acetone  
Concen: 1.080 ug/l  
RT: 2.392 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

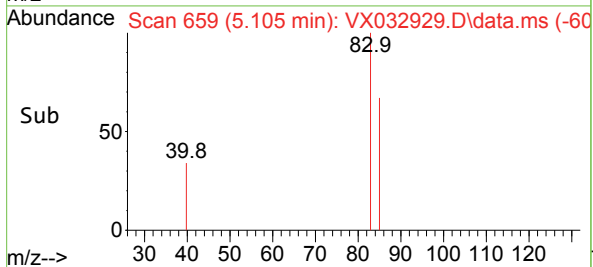
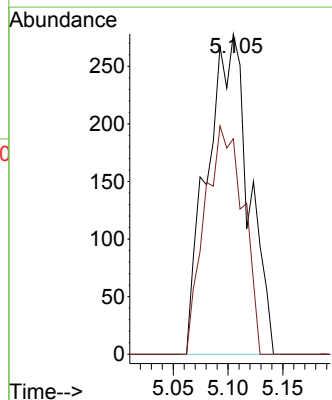
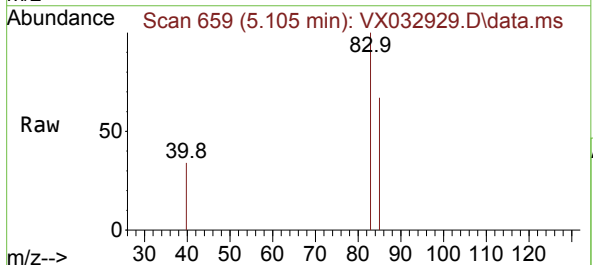
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20221115

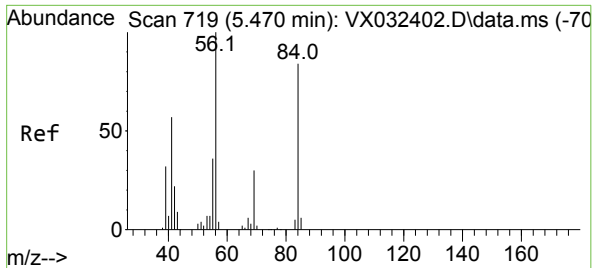
Tgt Ion: 43 Resp: 561  
Ion Ratio Lower Upper  
43 100  
58 34.9 23.8 35.8



#30  
Chloroform  
Concen: 0.327 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. 0.006 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

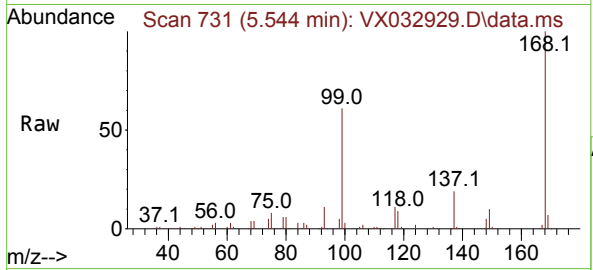
Tgt Ion: 83 Resp: 734  
Ion Ratio Lower Upper  
83 100  
85 67.3 51.1 76.7



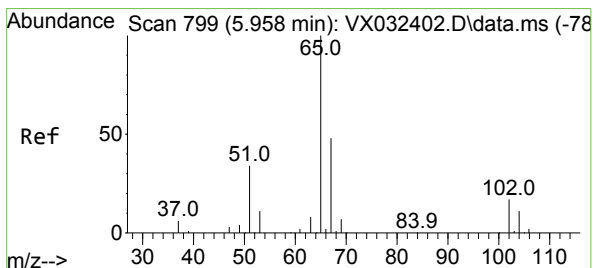
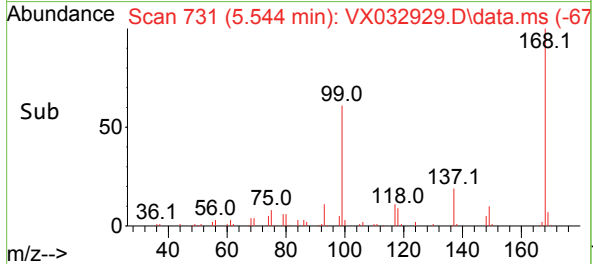
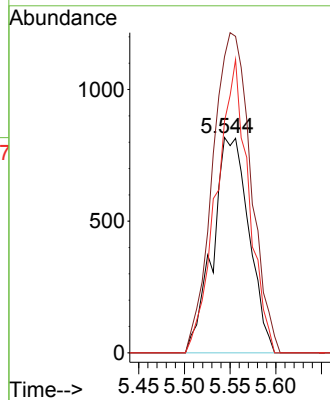


#31  
Cyclohexane  
Concen: 1.302 ug/l  
RT: 5.544 min Scan# 719  
Delta R.T. 0.073 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
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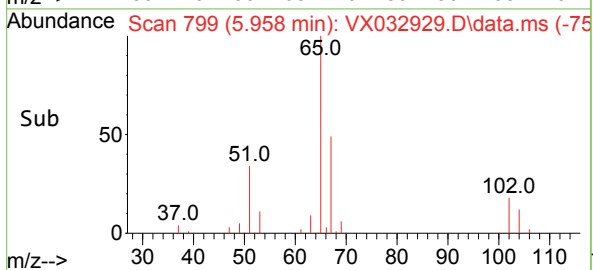
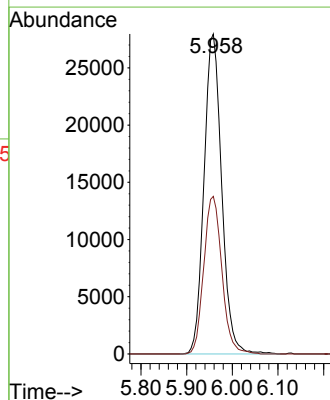
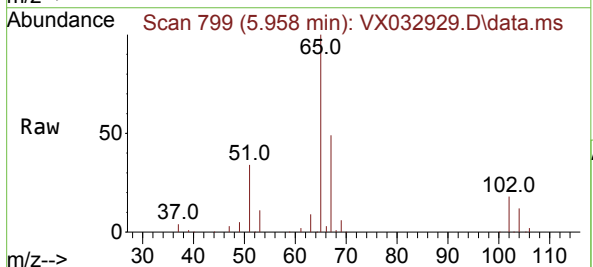


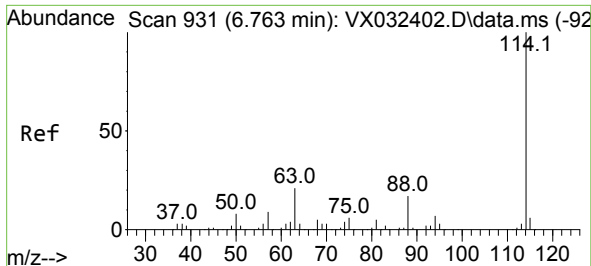
Tgt Ion: 56 Resp: 2255  
Ion Ratio Lower Upper  
56 100  
69 137.5 24.1 36.1#  
84 107.6 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 52.523 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion: 65 Resp: 75049  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 101.8

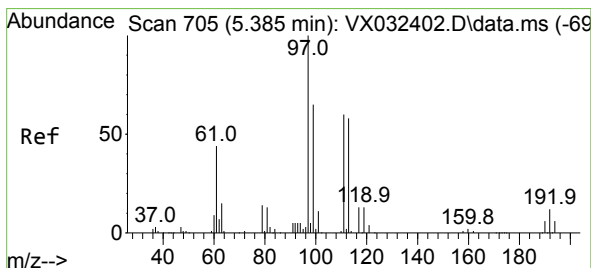
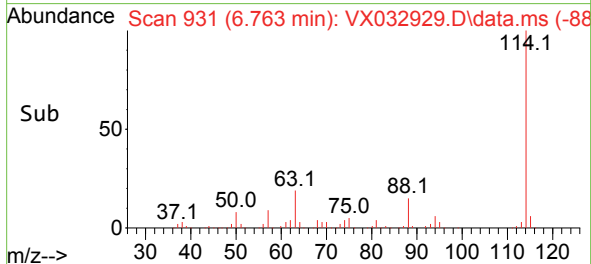
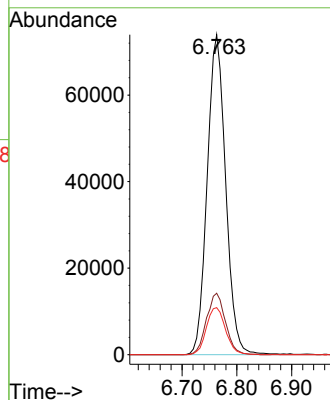
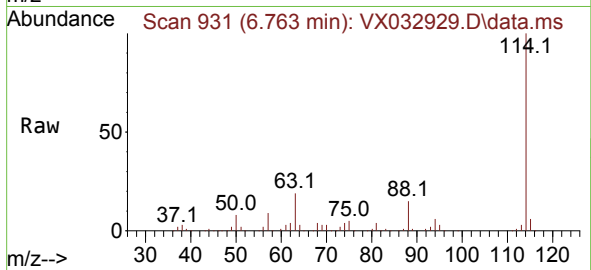




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

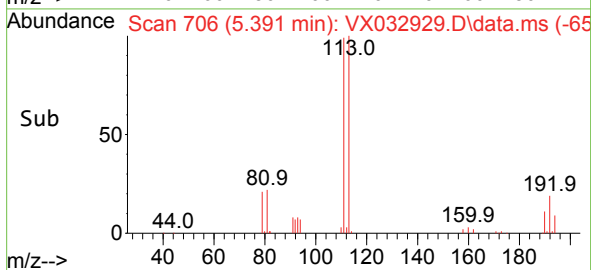
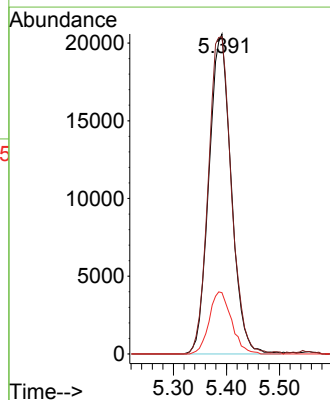
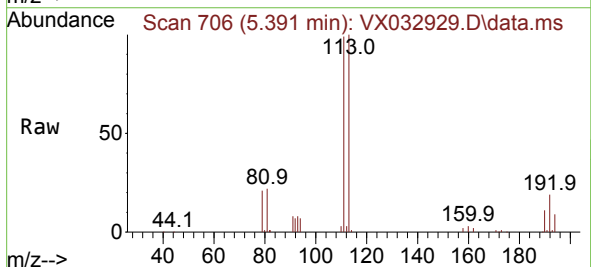
Instrument :  
MSVOA\_X  
ClientSampleId :  
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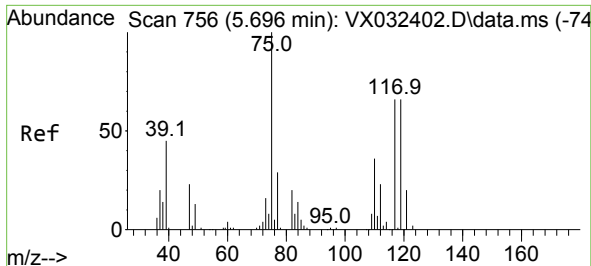
Tgt Ion:114 Resp: 172646  
Ion Ratio Lower Upper  
114 100  
63 19.2 0.0 41.6  
88 14.7 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 48.680 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion:113 Resp: 59949  
Ion Ratio Lower Upper  
113 100  
111 102.6 82.4 123.6  
192 19.4 15.4 23.2

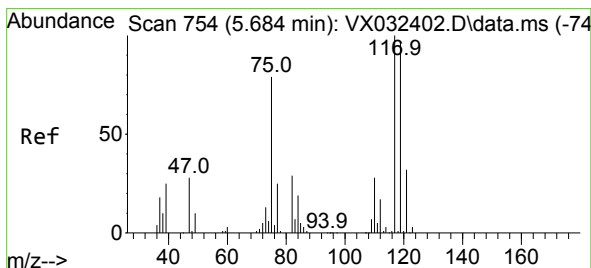
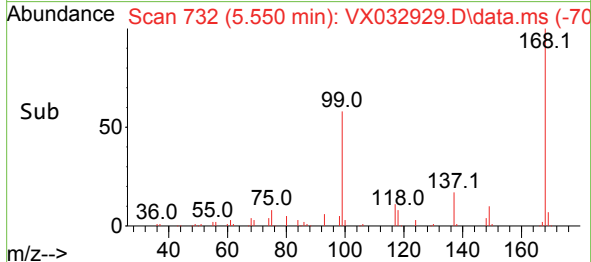
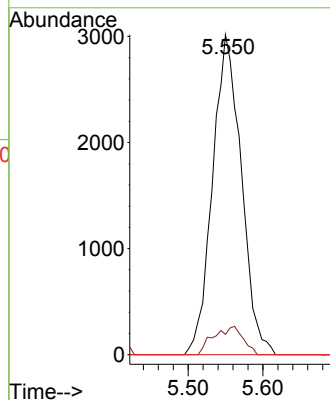
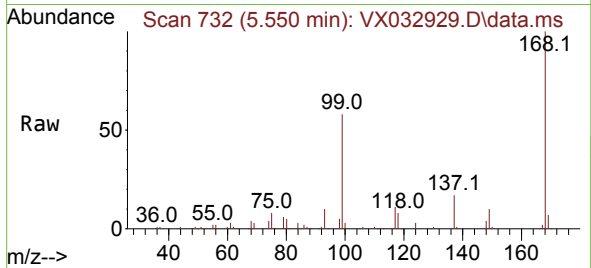




#36  
1,1-Dichloropropene  
Concen: 4.705 ug/l  
RT: 5.550 min Scan# 712  
Delta R.T. -0.146 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

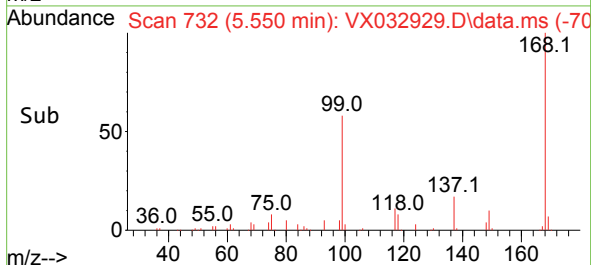
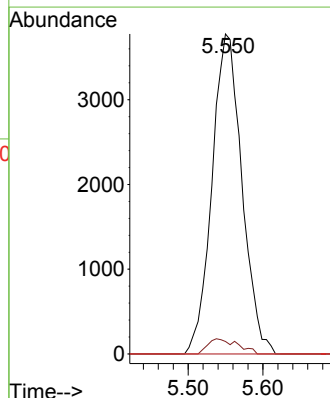
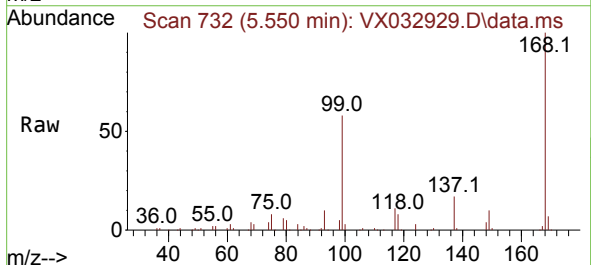
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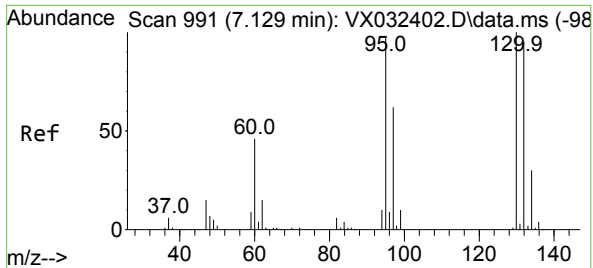
Tgt Ion: 75 Resp: 8068  
Ion Ratio Lower Upper  
75 100  
110 9.0 18.4 55.2#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 5.527 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.134 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion: 117 Resp: 10512  
Ion Ratio Lower Upper  
117 100  
119 3.9 77.2 115.8#  
121 0.0 25.8 38.6#

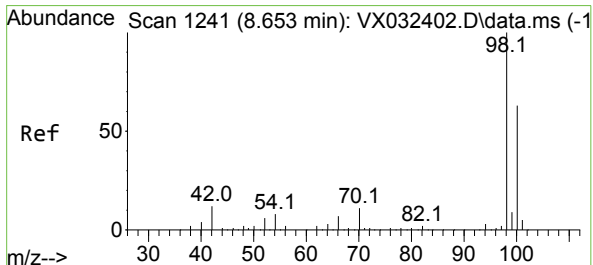
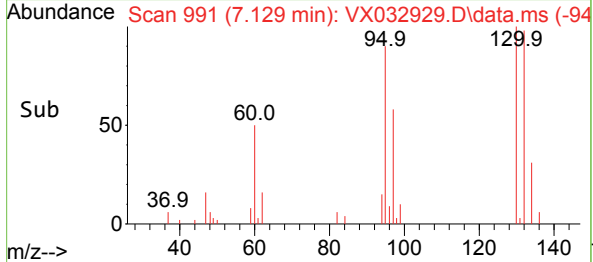
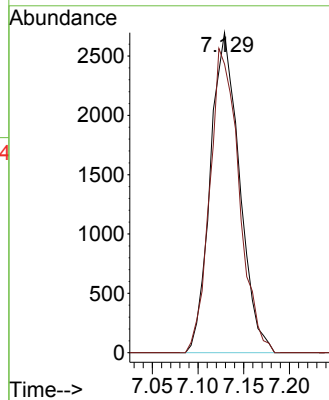
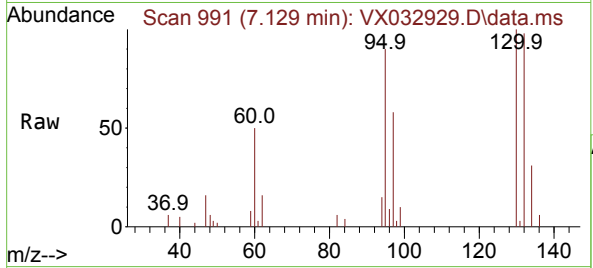




#44  
Trichloroethene  
Concen: 4.385 ug/l  
RT: 7.129 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

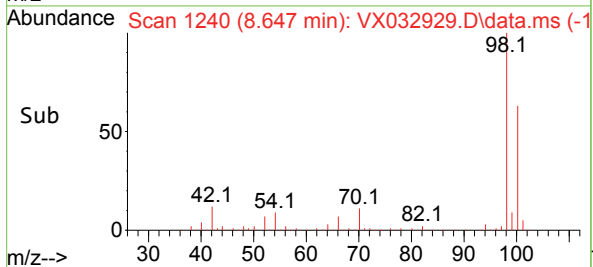
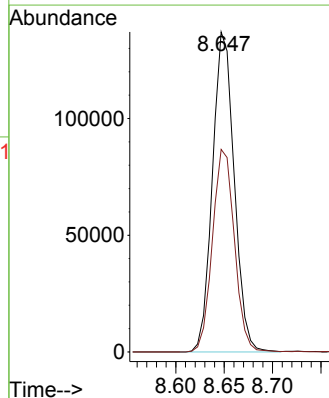
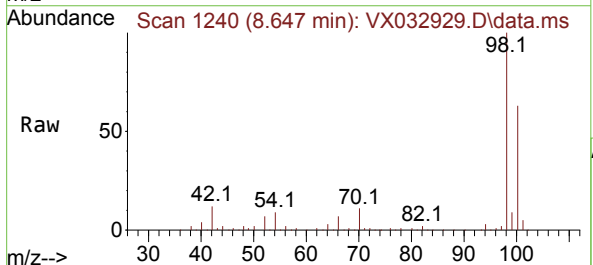
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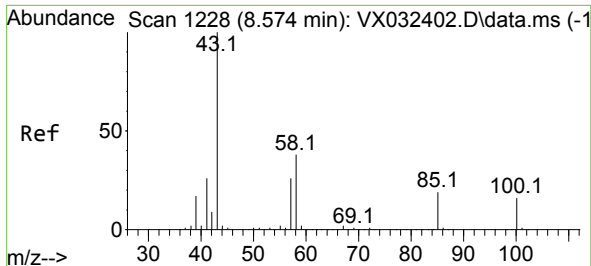
Tgt Ion:130 Resp: 5990  
Ion Ratio Lower Upper  
130 100  
95 90.2 0.0 195.2



#50  
Toluene-d8  
Concen: 49.882 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion: 98 Resp: 213606  
Ion Ratio Lower Upper  
98 100  
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.605 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032929.D

Acq: 18 Nov 2022 16:51

Instrument :

MSVOA\_X

ClientSampleId :

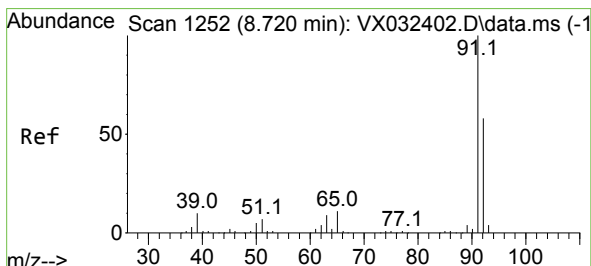
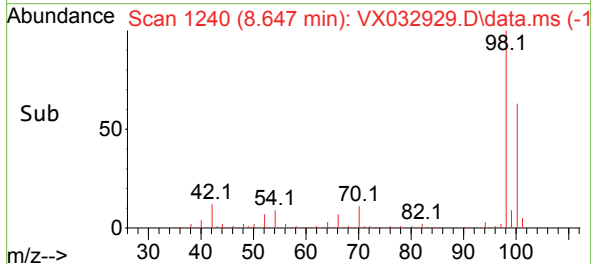
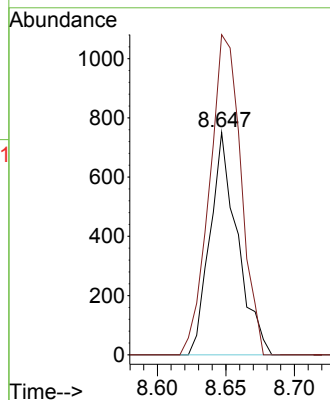
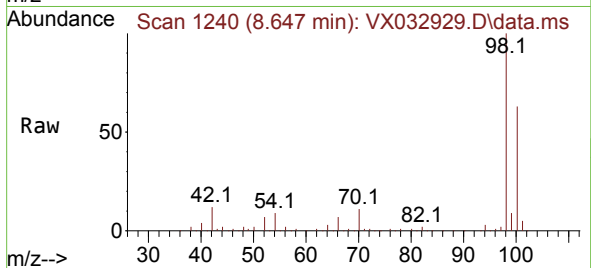
RE134D1-20221115

Tgt Ion: 43 Resp: 1044

Ion Ratio Lower Upper

43 100

58 165.6 30.9 46.3#



#52

Toluene

Concen: 0.377 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032929.D

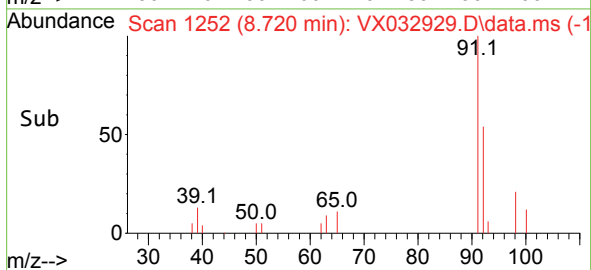
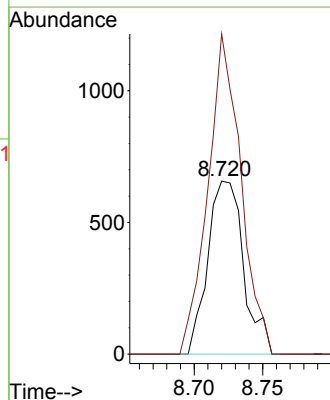
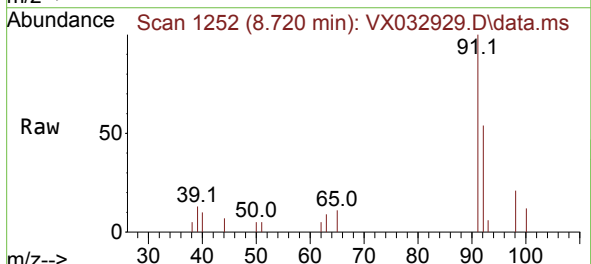
Acq: 18 Nov 2022 16:51

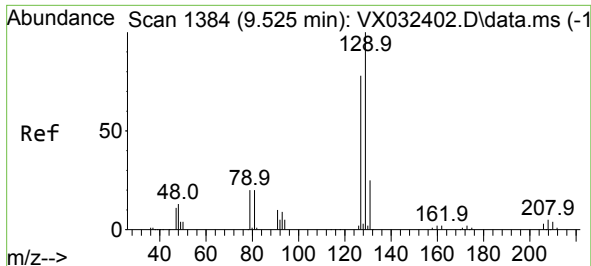
Tgt Ion: 92 Resp: 1193

Ion Ratio Lower Upper

92 100

91 171.0 138.3 207.5

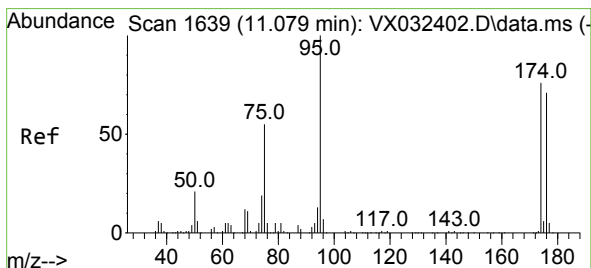
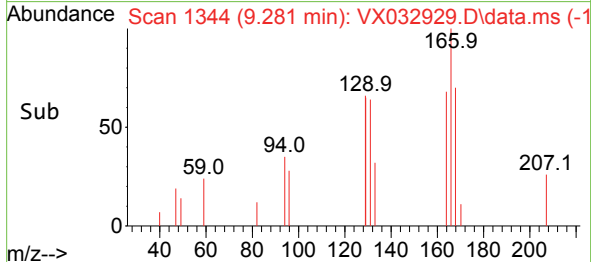
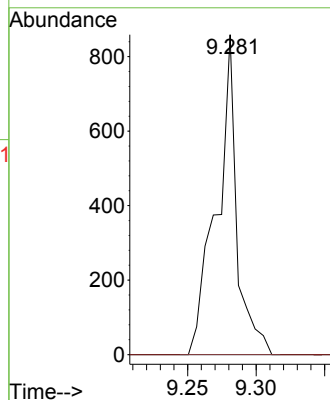
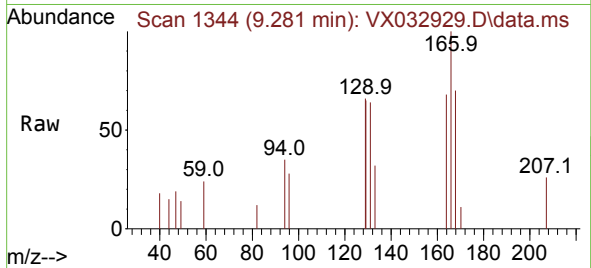




#60  
Dibromochloromethane  
Concen: 0.605 ug/l  
RT: 9.281 min Scan# 11  
Delta R.T. -0.244 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

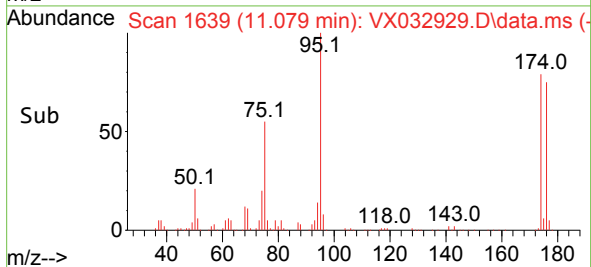
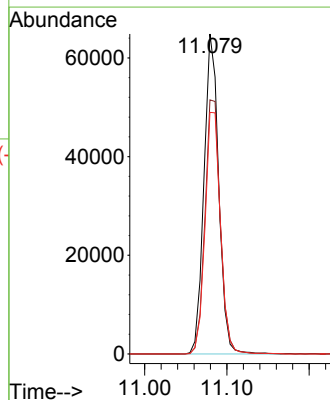
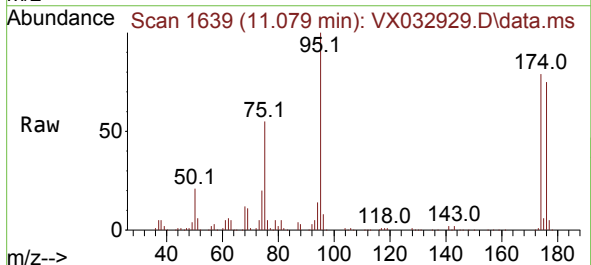
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20221115

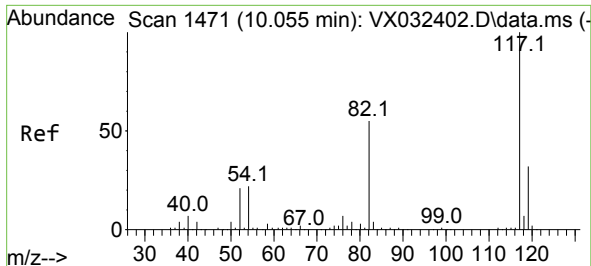
Tgt Ion:129 Resp: 881  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.6 115.8#



#62  
4-Bromofluorobenzene  
Concen: 48.134 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion: 95 Resp: 80515  
Ion Ratio Lower Upper  
95 100  
174 83.1 0.0 164.0  
176 79.7 0.0 154.4

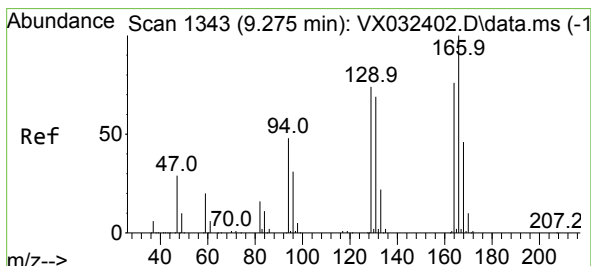
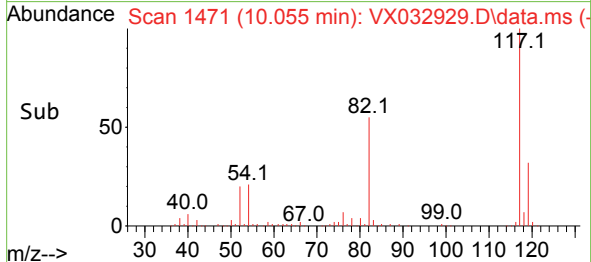
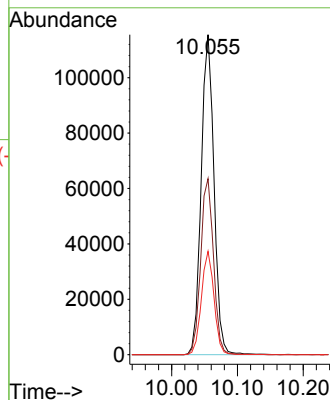
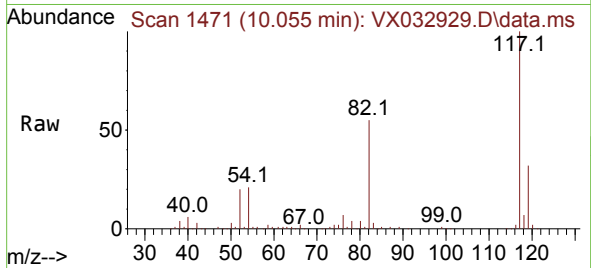




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

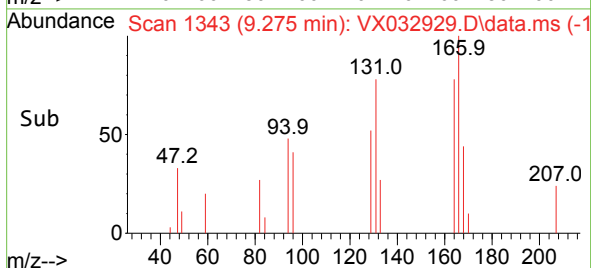
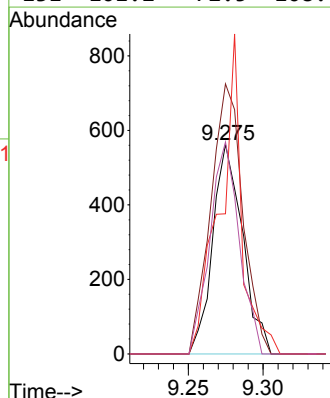
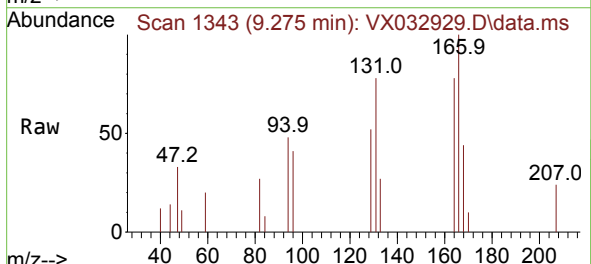
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE134D1-20221115

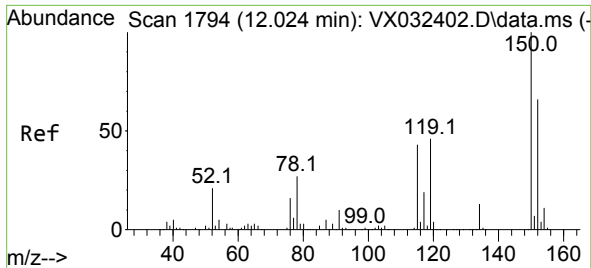
Tgt Ion:117 Resp: 156390  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.3 66.5  
119 32.3 25.7 38.5



#64  
Tetrachloroethene  
Concen: 0.683 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX032929.D  
Acq: 18 Nov 2022 16:51

Tgt Ion:164 Resp: 782  
Ion Ratio Lower Upper  
164 100  
166 129.0 105.4 158.2  
129 66.9 78.2 117.2#  
131 101.2 72.5 108.7

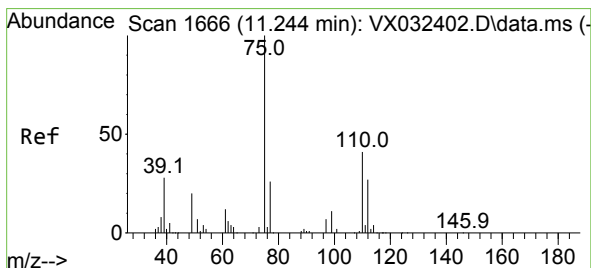
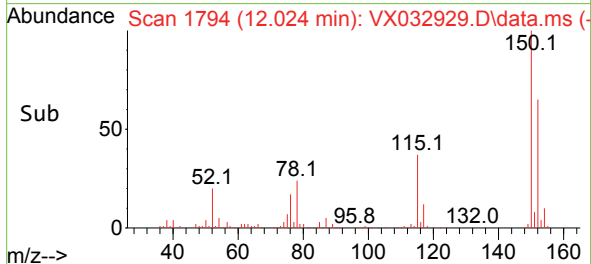
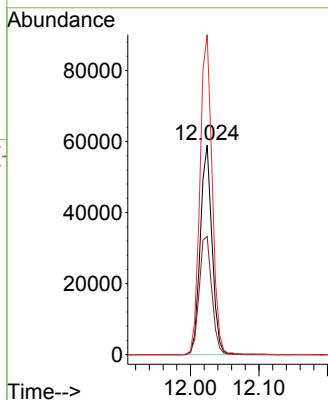
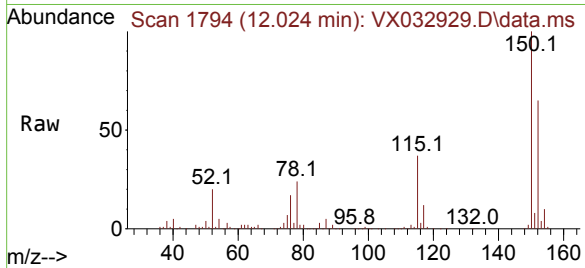




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX032929.D  
 Acq: 18 Nov 2022 16:51

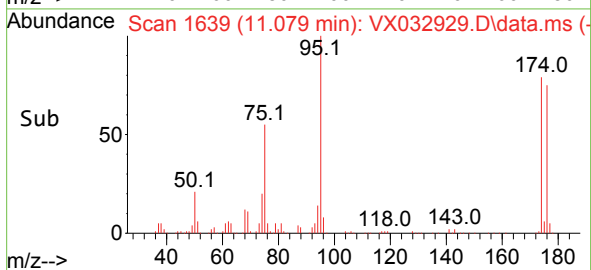
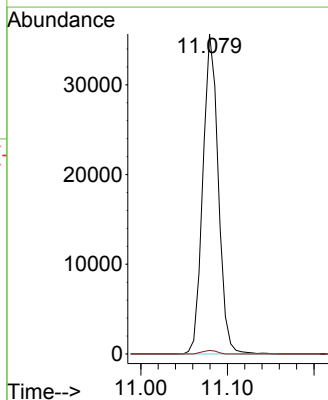
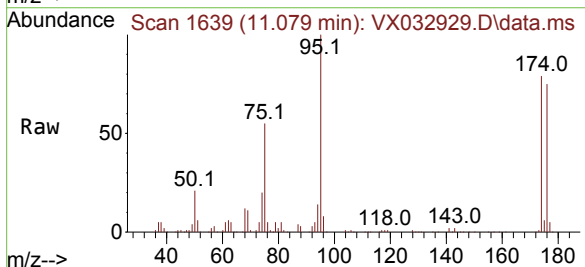
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D1-20221115

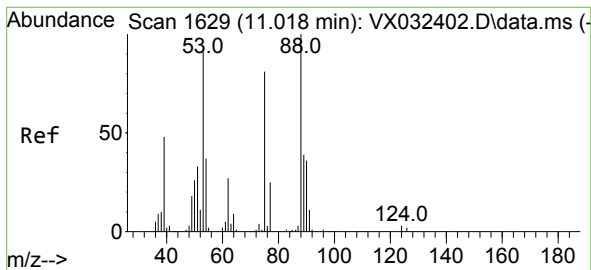
Tgt Ion:152 Resp: 70791  
 Ion Ratio Lower Upper  
 152 100  
 115 60.5 44.0 132.0  
 150 157.8 0.0 351.8



#76  
 1,2,3-Trichloropropane  
 Concen: 28.059 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.164 min  
 Lab File: VX032929.D  
 Acq: 18 Nov 2022 16:51

Tgt Ion: 75 Resp: 44191  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 20.0 60.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 89.285 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX032929.D  
 Acq: 18 Nov 2022 16:51

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D1-20221115

Tgt Ion: 75 Resp: 44191  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 86.9 130.3#  
 89 0.0 38.3 57.5#

