

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX092121\  
 Data File : VX024406.D  
 Acq On : 22 Sep 2021 00:16  
 Operator : JC/MD  
 Sample : M3818-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-910-912

Quant Time: Sep 22 04:55:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 21 10:52:48 2021  
 Response via : Initial Calibration

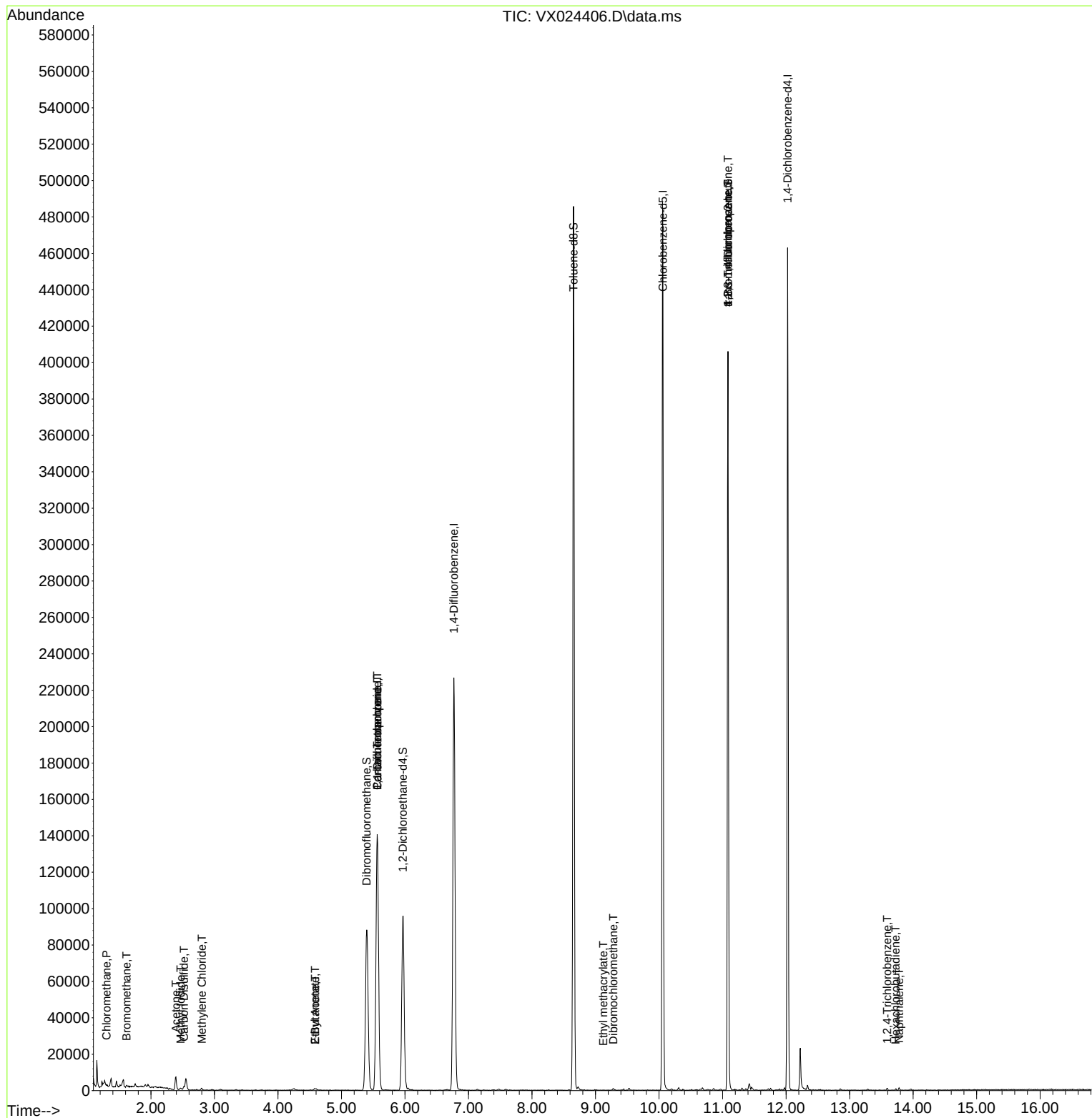
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 5.562          | 168  | 131345              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.769          | 114  | 222962              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061         | 117  | 215767              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 90572               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964          | 65   | 95909               | 51.208    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 102.420% |           |        |          |
| 35) Dibromofluoromethane      | 5.397          | 113  | 76087               | 50.885    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 101.760% |           |        |          |
| 50) Toluene-d8                | 8.653          | 98   | 273588              | 50.225    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 100.460% |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.085         | 95   | 99325               | 46.854    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 93.700%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        | Qvalue   |
| 3) Chloromethane              | 1.301          | 50   | 536                 | 0.407     | ug/l   | 93       |
| 5) Bromomethane               | 1.618          | 94   | 574                 | 0.735     | ug/l   | 89       |
| 10) Methyl Iodide             | 2.465          | 142  | 1483                | 0.829     | ug/l # | 93       |
| 11) Tert butyl alcohol        | 2.971          | 59   | 265                 | Below Cal | #      | 73       |
| 16) Acetone                   | 2.392          | 43   | 7629                | 9.553     | ug/l # | 84       |
| 17) Carbon Disulfide          | 2.520          | 76   | 2224                | 0.733     | ug/l   | 97       |
| 20) Methylene Chloride        | 2.800          | 84   | 566                 | 0.369     | ug/l # | 91       |
| 25) 2-Butanone                | 4.587          | 43   | 1795                | 1.526     | ug/l # | 78       |
| 36) 1,1-Dichloropropene       | 5.562          | 75   | 10561               | 5.152     | ug/l # | 49       |
| 37) Ethyl Acetate             | 4.587          | 43   | 1795                | 0.751     | ug/l # | 64       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 13311               | 5.769     | ug/l # | 16       |
| 56) Ethyl methacrylate        | 9.122          | 69   | 66                  | 1.386     | ug/l # | 11       |
| 60) Dibromochloromethane      | 9.281          | 129  | 133                 | 1.795     | ug/l # | 11       |
| 76) 1,2,3-Trichloropropane    | 11.085         | 75   | 53713               | 25.791    | ug/l # | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.085         | 75   | 53713               | 75.852    | ug/l # | 12       |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 366                 | 0.209     | ug/l # | 85       |
| 94) Hexachlorobutadiene       | 13.725         | 225  | 267                 | 0.305     | ug/l   | 83       |
| 95) Naphthalene               | 13.780         | 128  | 1085                | 1.450     | ug/l # | 90       |
| -----                         |                |      |                     |           |        |          |

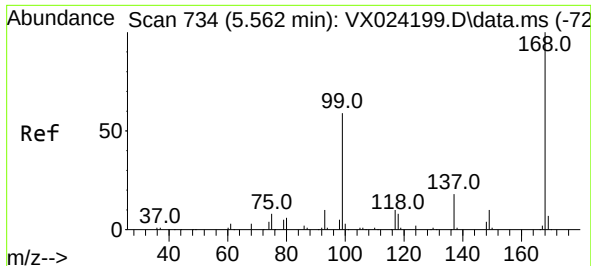
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

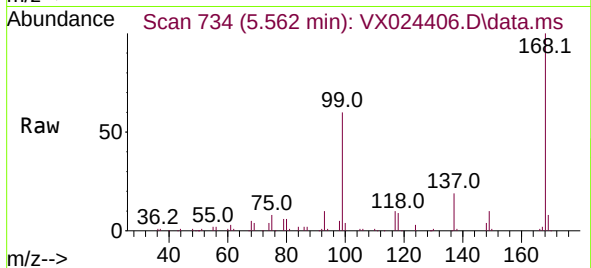
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 21 10:52:48 2021  
Response via : Initial Calibration



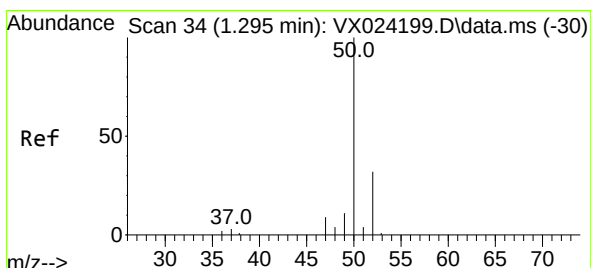
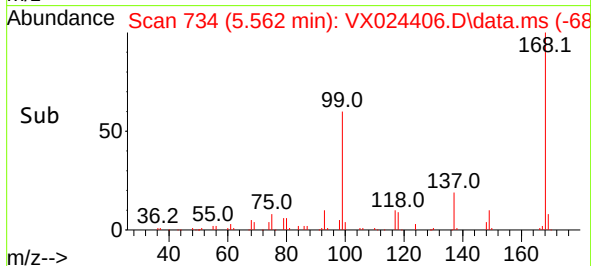
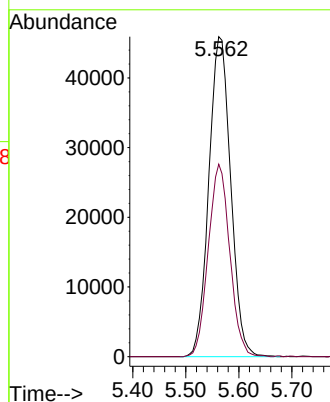


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

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MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

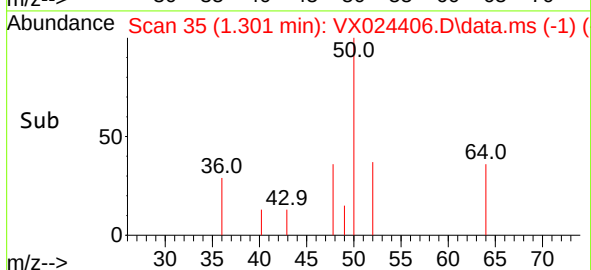
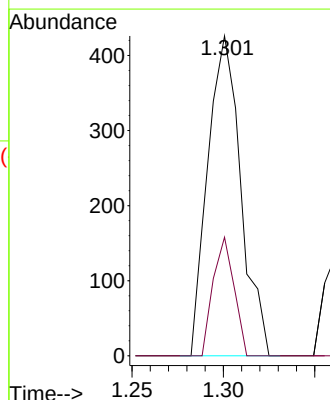
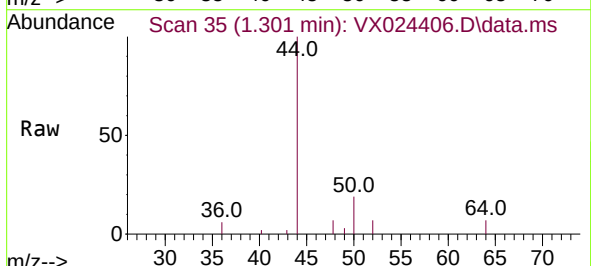


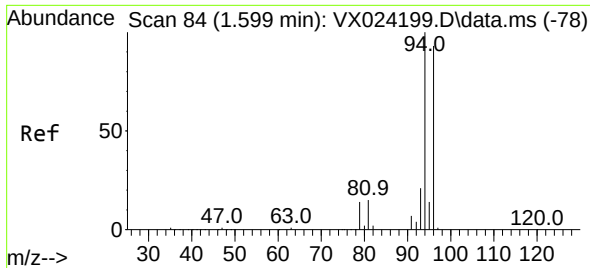
Tgt Ion:168 Resp: 131345  
Ion Ratio Lower Upper  
168 100  
99 60.1 45.8 68.6



#3  
Chloromethane  
Concen: 0.407 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.006 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 50 Resp: 536  
Ion Ratio Lower Upper  
50 100  
52 37.1 26.4 39.6

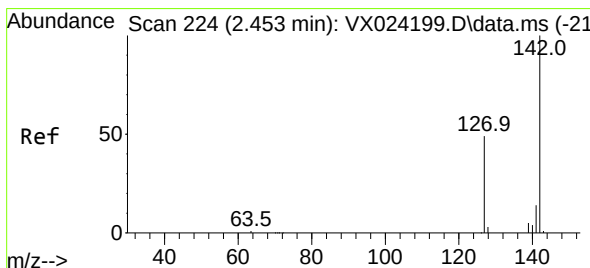
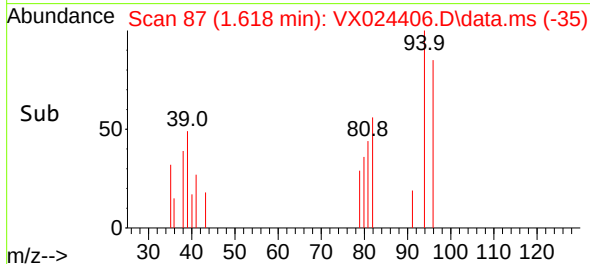
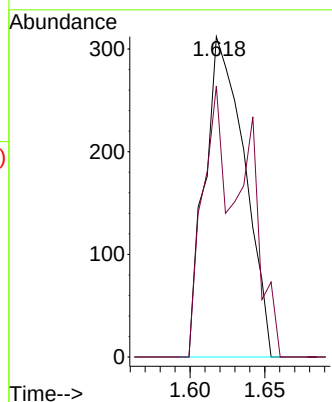
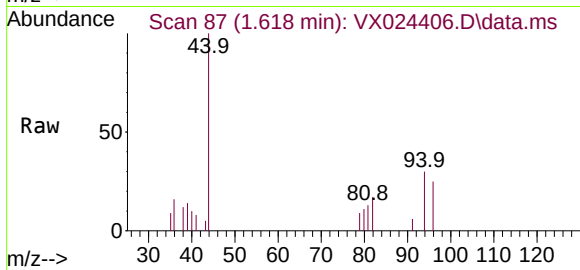




#5  
Bromomethane  
Concen: 0.735 ug/l  
RT: 1.618 min Scan# 87  
Delta R.T. 0.019 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

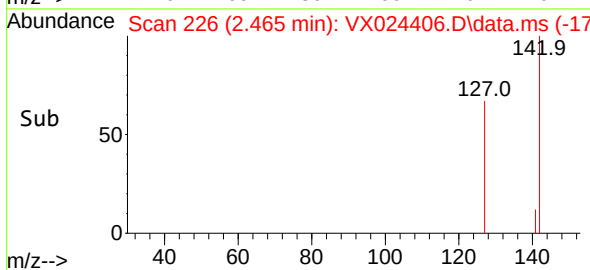
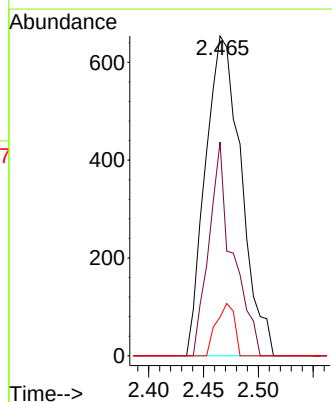
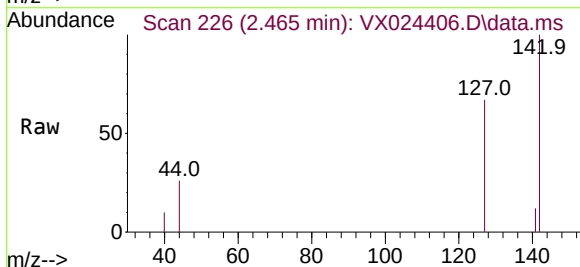
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

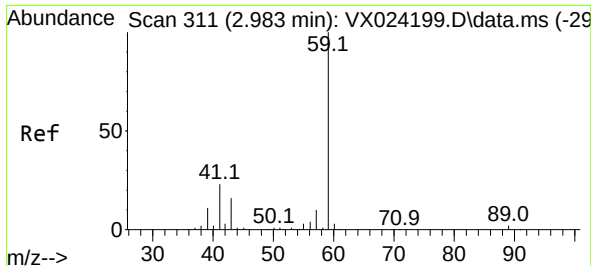
Tgt Ion: 94 Resp: 574  
Ion Ratio Lower Upper  
94 100  
96 84.6 76.4 114.6



#10  
Methyl Iodide  
Concen: 0.829 ug/l  
RT: 2.465 min Scan# 226  
Delta R.T. 0.012 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 142 Resp: 1483  
Ion Ratio Lower Upper  
142 100  
127 44.3 33.3 49.9  
141 8.3 11.4 17.0#



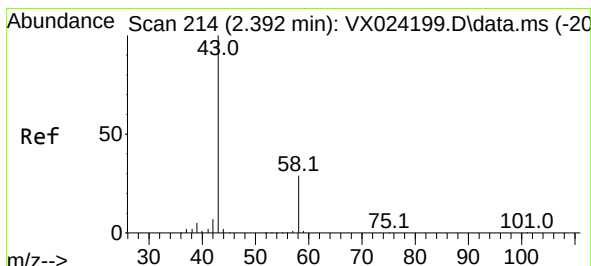
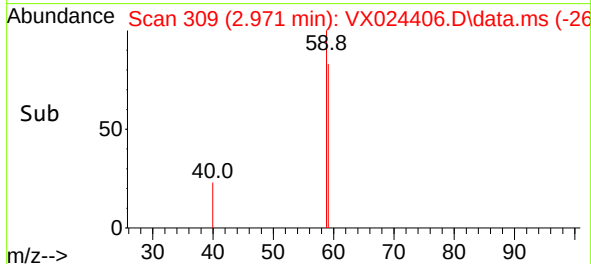
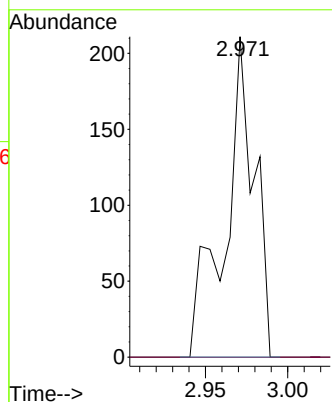
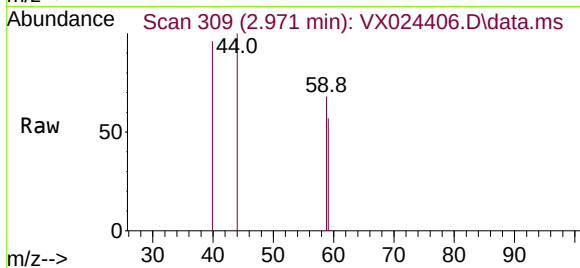


#11

Tert butyl alcohol  
Concen: Below Cal  
RT: 2.971 min Scan# 309  
Delta R.T. -0.012 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

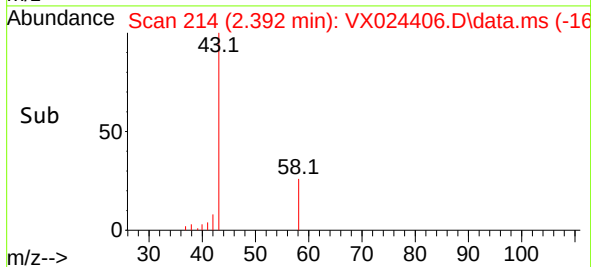
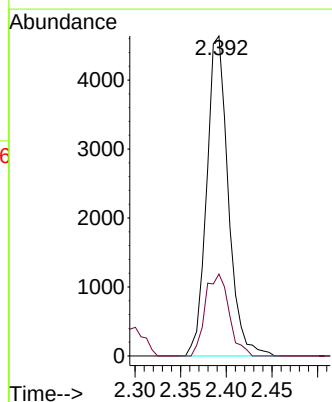
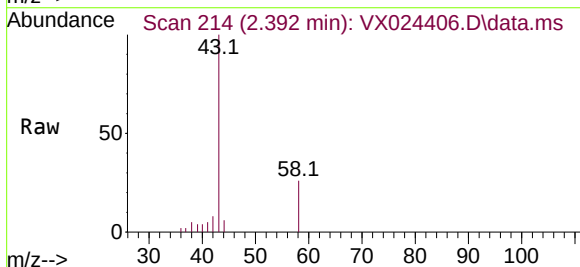
Tgt Ion: 59 Resp: 265  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

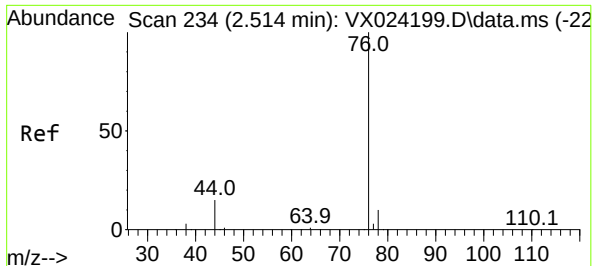


#16

Acetone  
Concen: 9.553 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 43 Resp: 7629  
Ion Ratio Lower Upper  
43 100  
58 25.6 27.8 41.8#

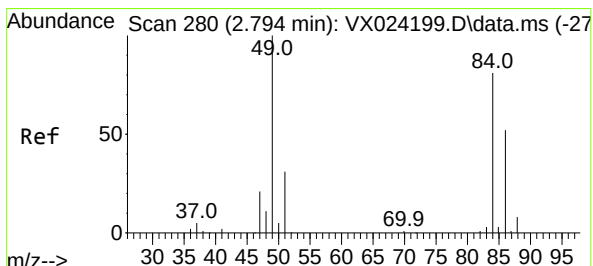
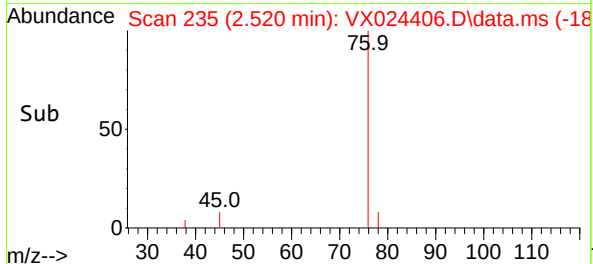
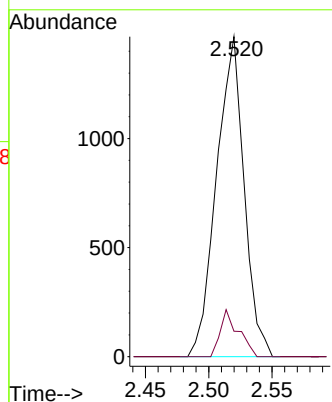
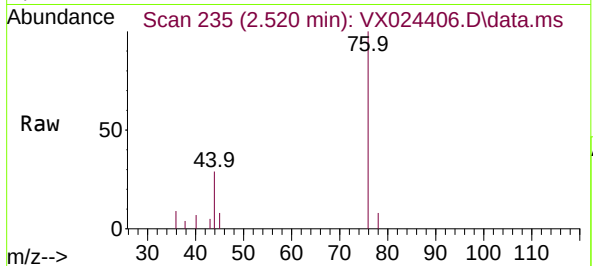




#17  
Carbon Disulfide  
Concen: 0.733 ug/l  
RT: 2.520 min Scan# 235  
Delta R.T. 0.006 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

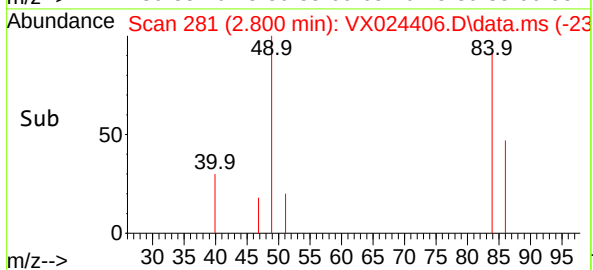
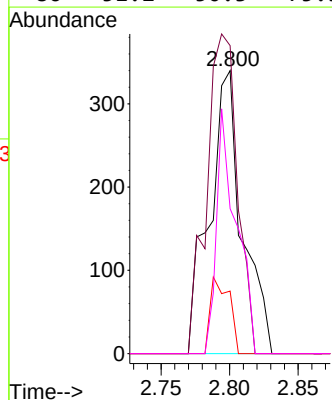
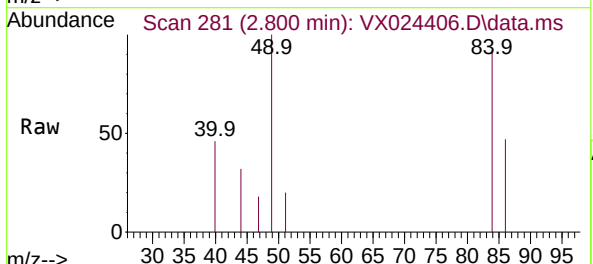
Instrument :  
MSVOA\_N  
ClientSampleId :  
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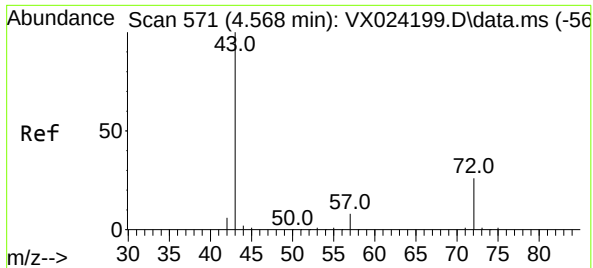
Tgt Ion: 76 Resp: 2224  
Ion Ratio Lower Upper  
76 100  
78 8.0 7.2 10.8



#20  
Methylene Chloride  
Concen: 0.369 ug/l  
RT: 2.800 min Scan# 281  
Delta R.T. 0.006 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 84 Resp: 566  
Ion Ratio Lower Upper  
84 100  
49 108.8 88.6 132.8  
51 22.1 27.0 40.6#  
86 51.2 50.3 75.5

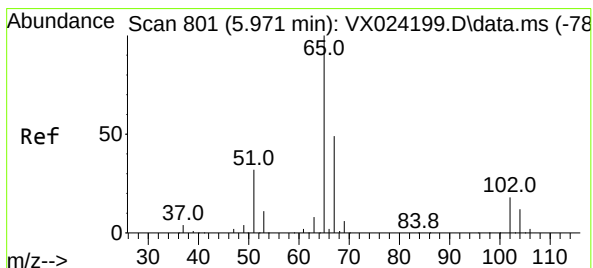
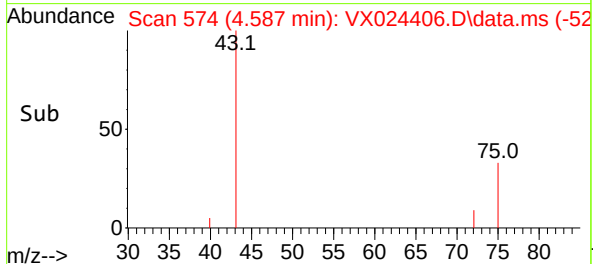
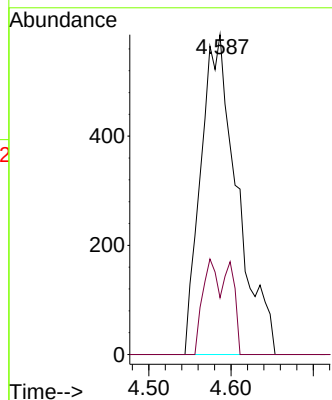
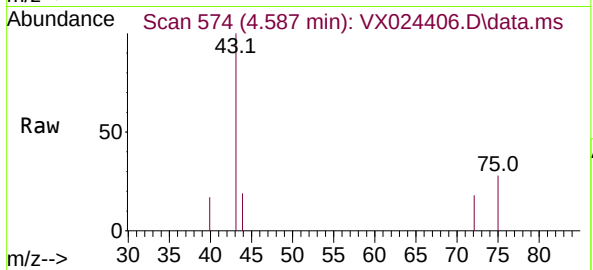




#25  
2-Butanone  
Concen: 1.526 ug/l  
RT: 4.587 min Scan# 574  
Delta R.T. 0.019 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

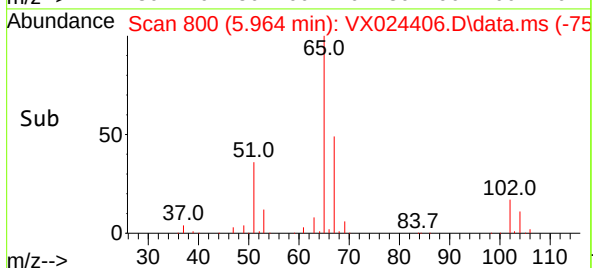
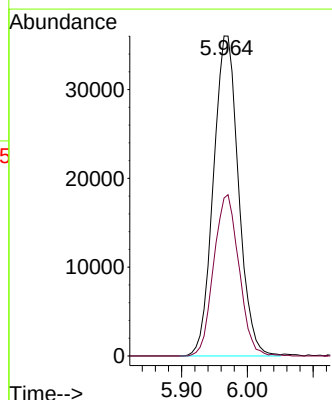
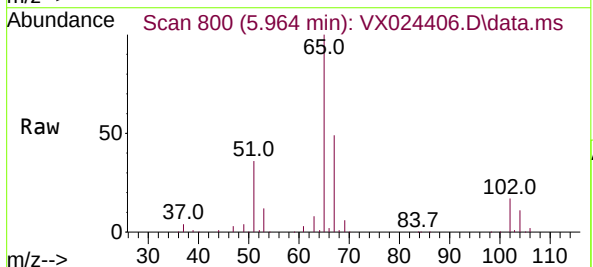
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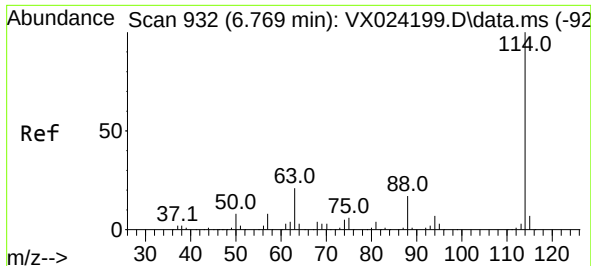
Tgt Ion: 43 Resp: 1795  
Ion Ratio Lower Upper  
43 100  
72 17.7 23.7 35.5#



#33  
1,2-Dichloroethane-d4  
Concen: 51.208 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 65 Resp: 95909  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 105.4

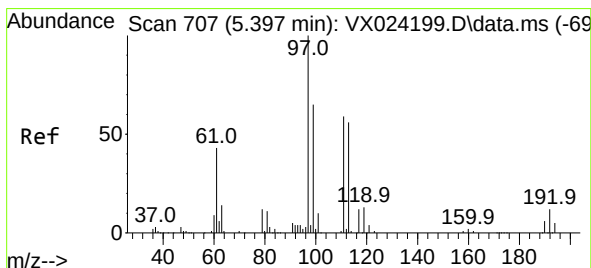
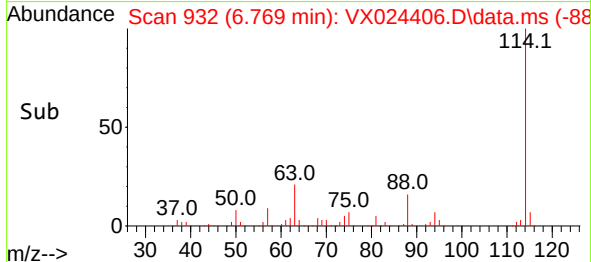
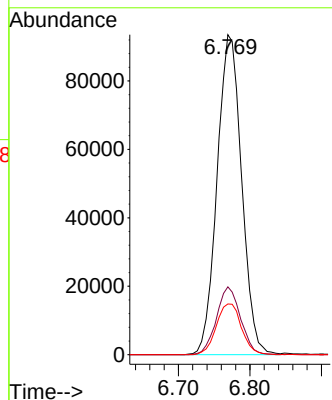
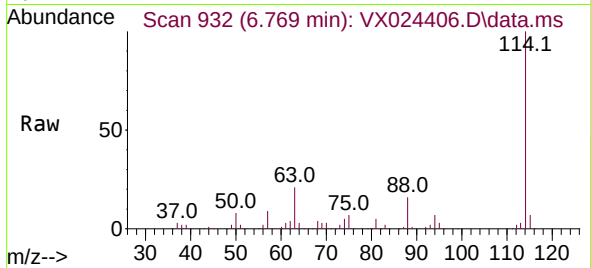




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

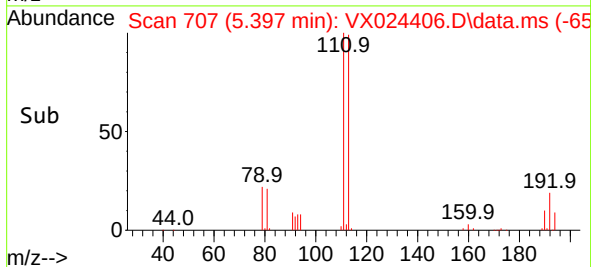
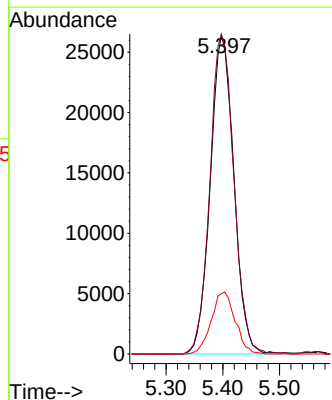
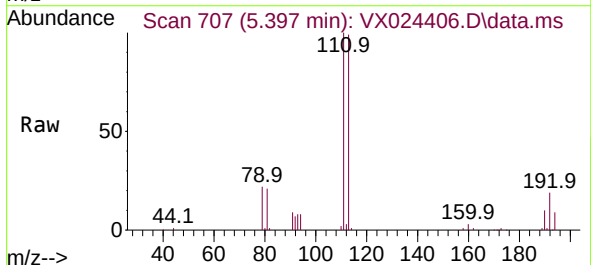
Instrument :  
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Tgt Ion:114 Resp: 222962  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 40.8  
88 15.8 0.0 32.8

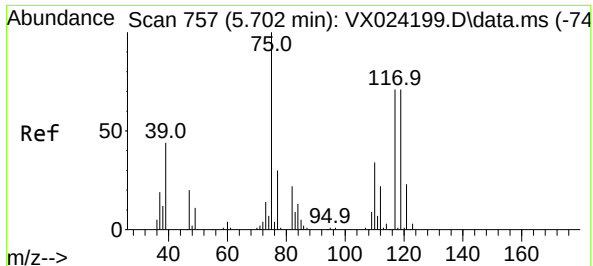


#35  
Dibromofluoromethane  
Concen: 50.885 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion:113 Resp: 76087  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.9 122.9  
192 19.7 16.7 25.1







#36

1,1-Dichloropropene

Concen: 5.152 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024406.D

Acq: 22 Sep 2021 00:16

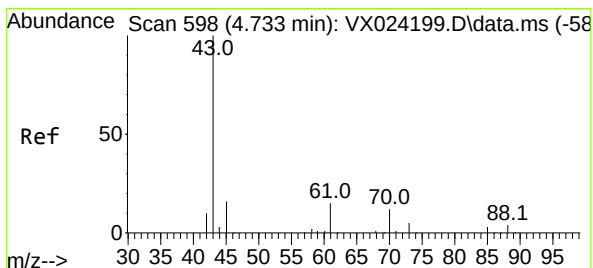
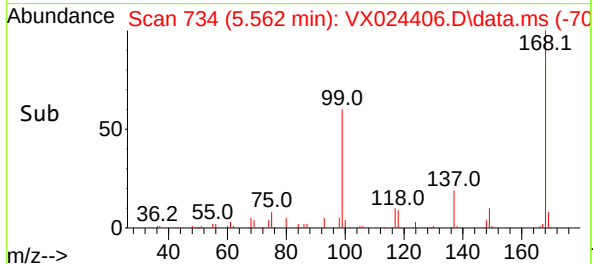
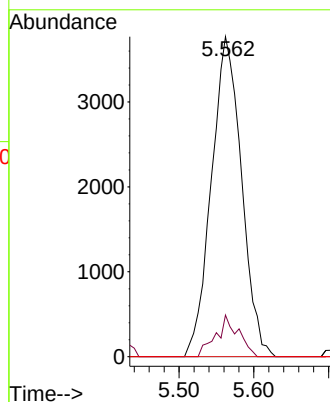
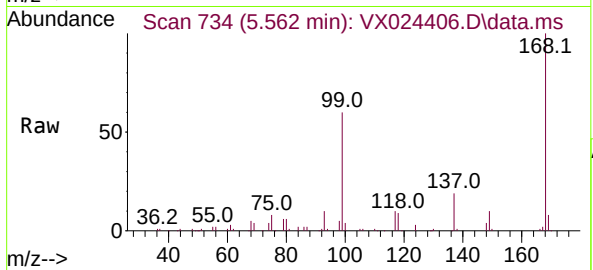
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10561 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 9.7   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

Instrument :

MSVOA\_N

ClientSampleId :

BP-TT-VPB-RW7-GW-910-912



#37

Ethyl Acetate

Concen: 0.751 ug/l

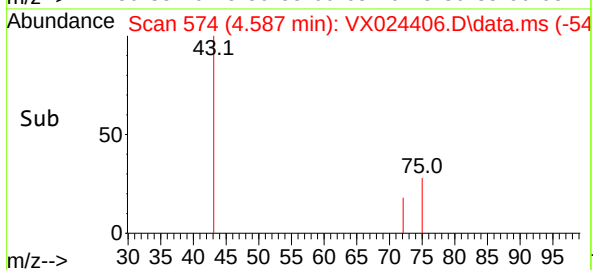
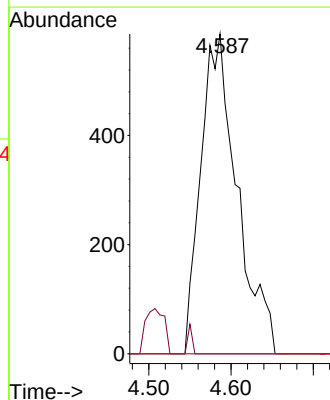
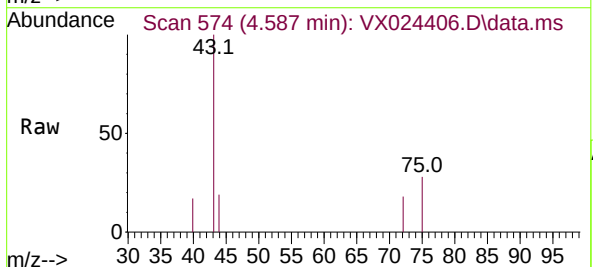
RT: 4.587 min Scan# 574

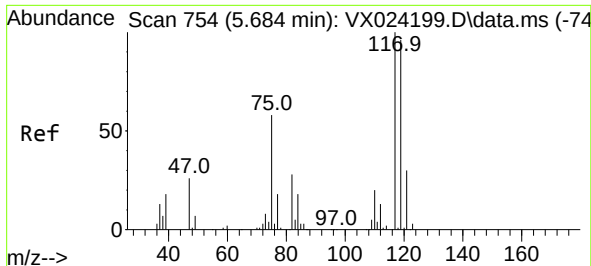
Delta R.T. -0.146 min

Lab File: VX024406.D

Acq: 22 Sep 2021 00:16

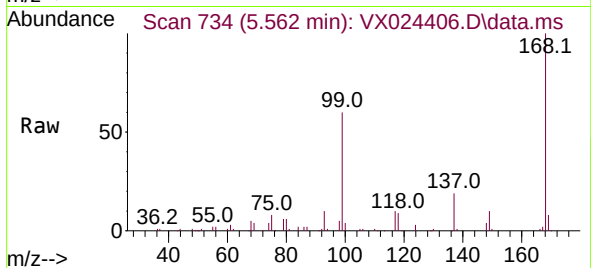
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1795  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 0.0   | 12.8  | 19.2# |
| 70       | 0.0   | 10.5  | 15.7# |



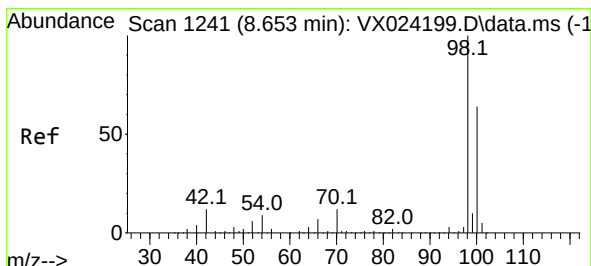
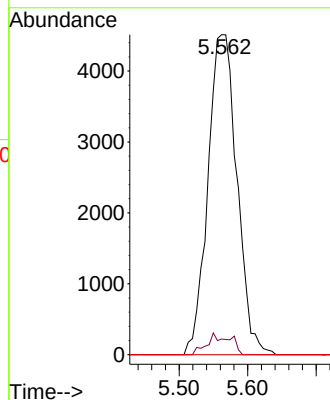
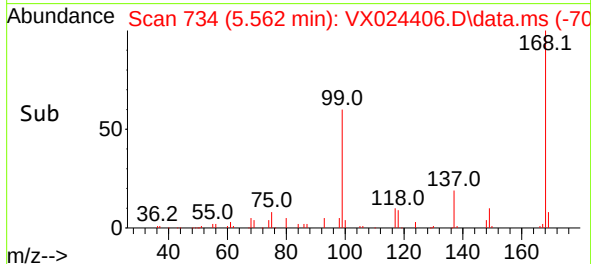


#38  
Carbon Tetrachloride  
Concen: 5.769 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.122 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

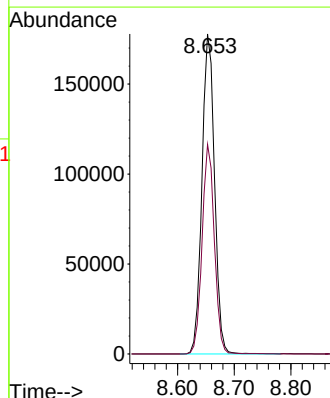
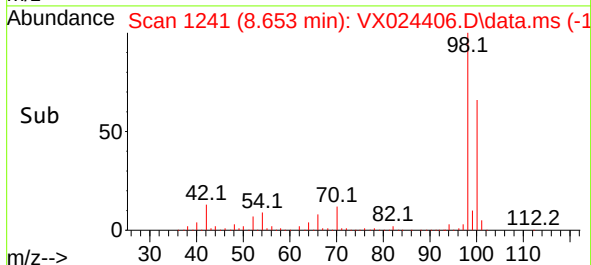
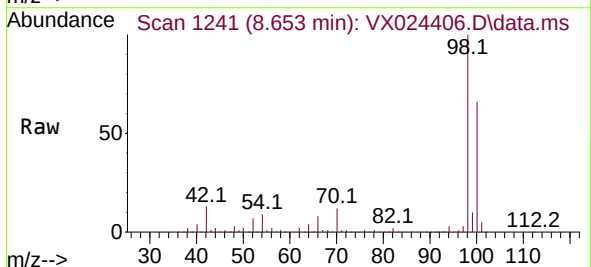


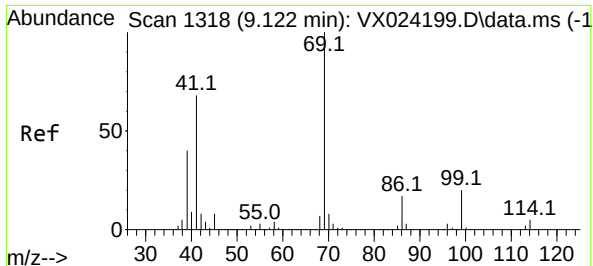
Tgt Ion:117 Resp: 13311  
Ion Ratio Lower Upper  
117 100  
119 4.9 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 50.225 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 98 Resp: 273588  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.9 77.9

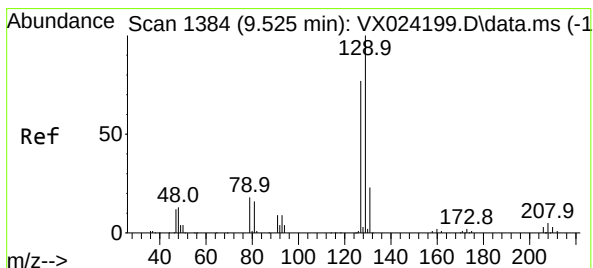
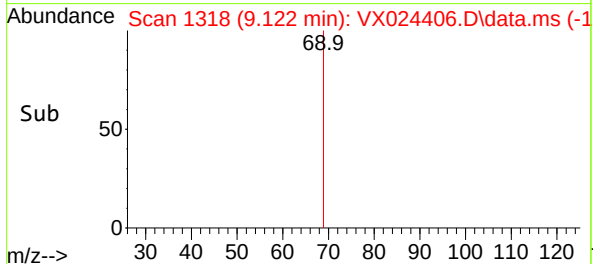
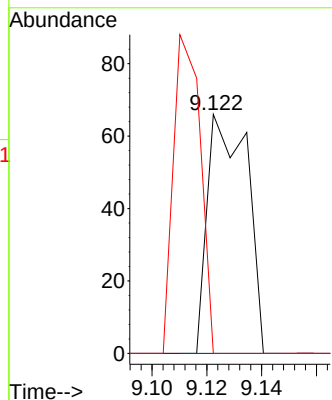
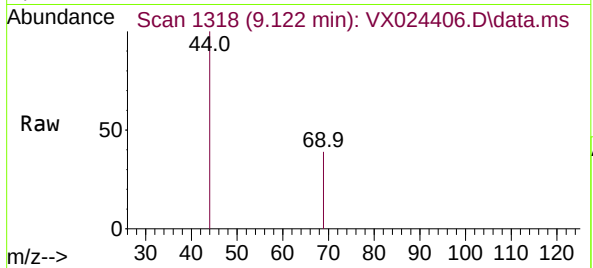




#56  
Ethyl methacrylate  
Concen: 1.386 ug/l  
RT: 9.122 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

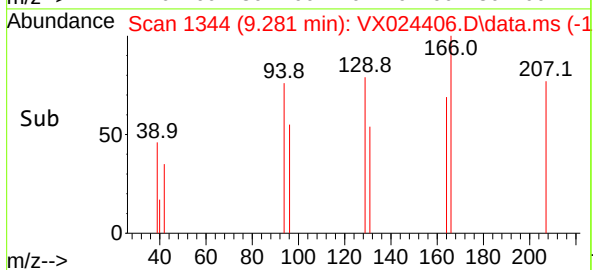
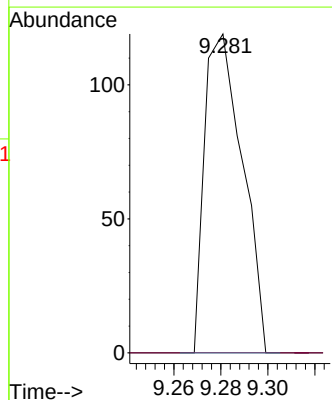
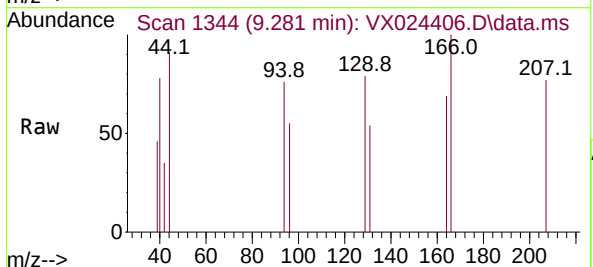
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

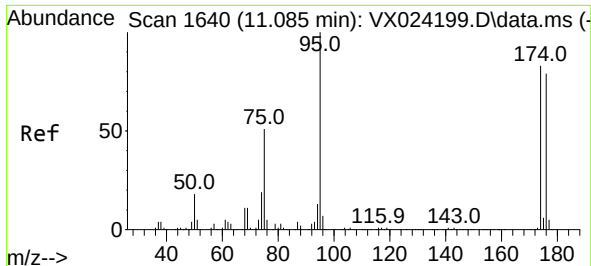
Tgt Ion: 69 Resp: 66  
Ion Ratio Lower Upper  
69 100  
41 0.0 46.8 70.2#  
39 90.9 24.7 37.1#



#60  
Dibromochloromethane  
Concen: 1.795 ug/l  
RT: 9.281 min Scan# 1344  
Delta R.T. -0.244 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 129 Resp: 133  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.4 115.2#

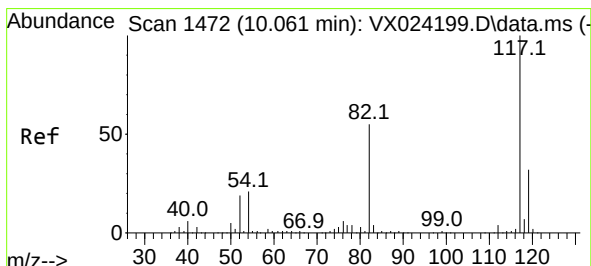
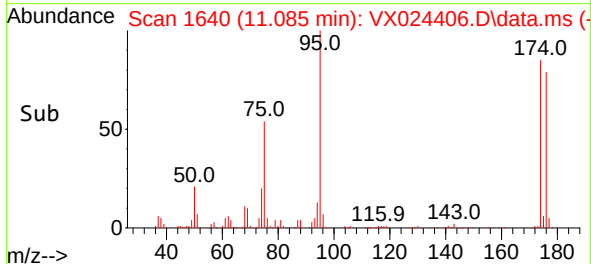
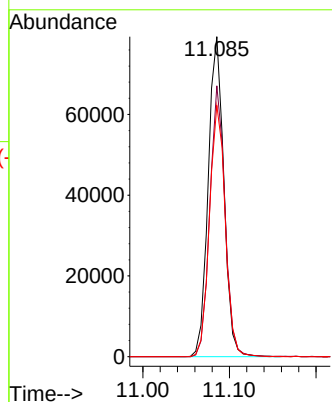
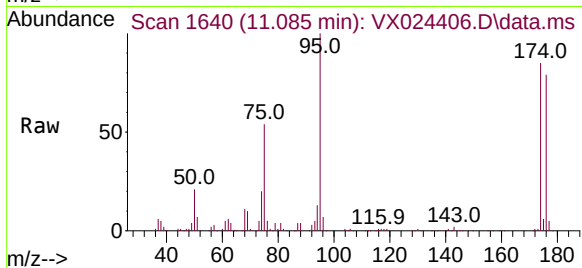




#62  
4-Bromofluorobenzene  
Concen: 46.854 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

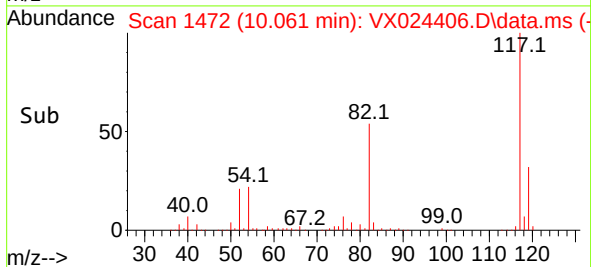
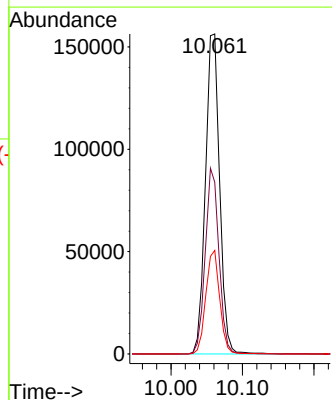
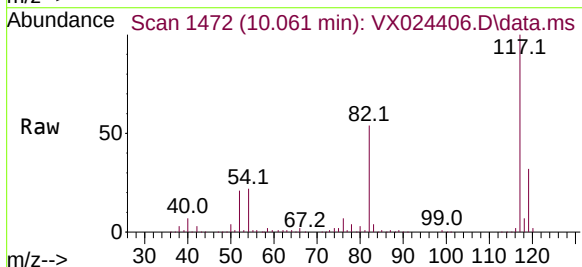
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

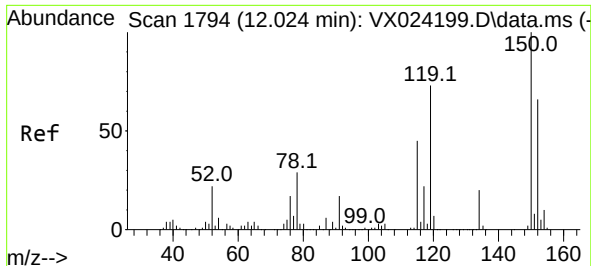
Tgt Ion: 95 Resp: 99325  
Ion Ratio Lower Upper  
95 100  
174 82.1 0.0 154.6  
176 79.4 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion: 117 Resp: 215767  
Ion Ratio Lower Upper  
117 100  
82 53.6 47.4 71.2  
119 32.4 26.6 39.8

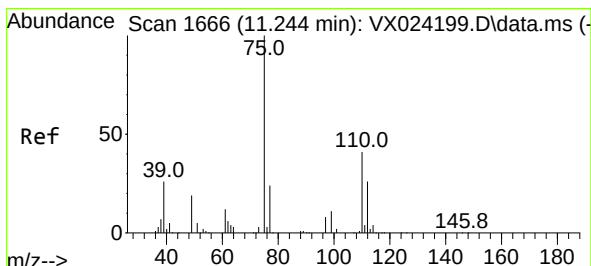
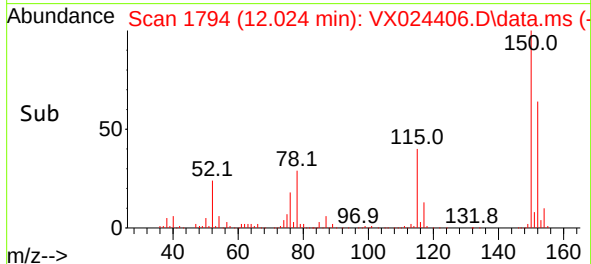
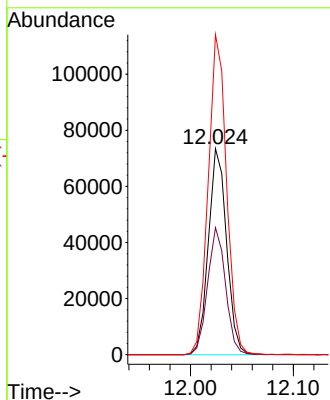
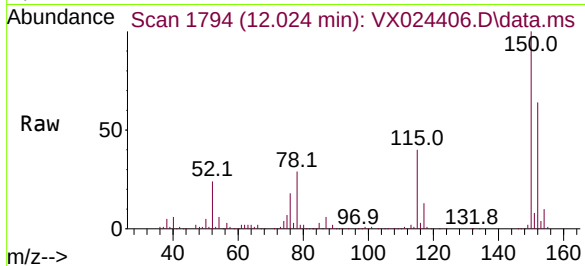




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024406.D  
 Acq: 22 Sep 2021 00:16

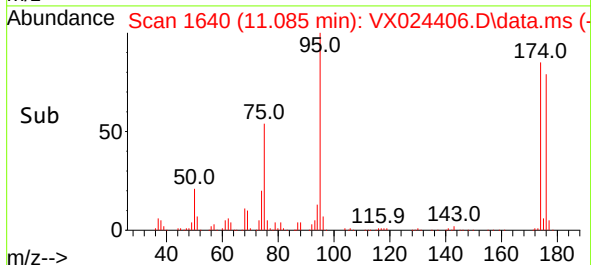
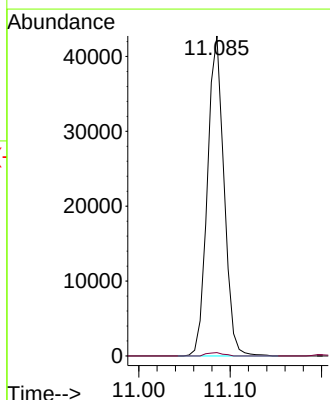
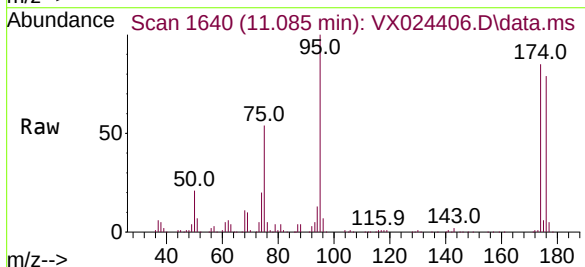
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 BP-TT-VPB-RW7-GW-910-912

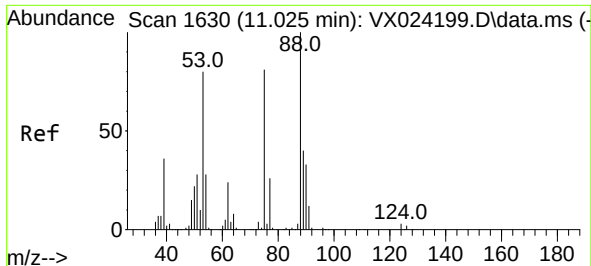
Tgt Ion:152 Resp: 90572  
 Ion Ratio Lower Upper  
 152 100  
 115 61.0 41.1 123.3  
 150 156.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 25.791 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX024406.D  
 Acq: 22 Sep 2021 00:16

Tgt Ion: 75 Resp: 53713  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#

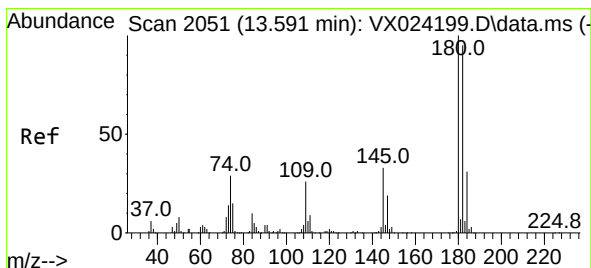
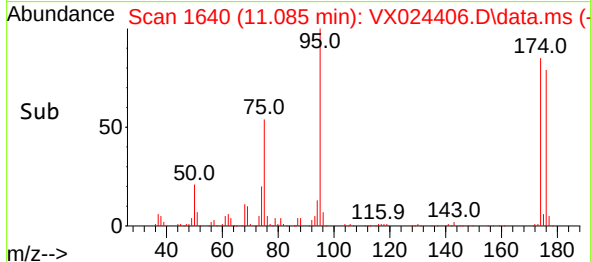
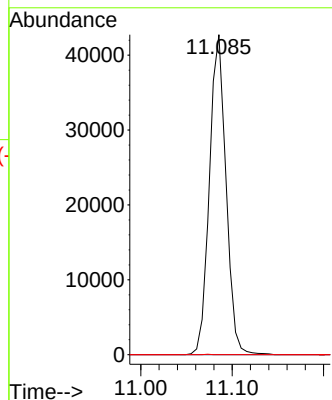
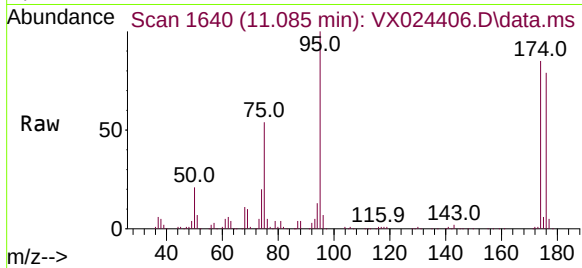




#81  
trans-1,4-Dichloro-2-butene  
Concen: 75.852 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.060 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

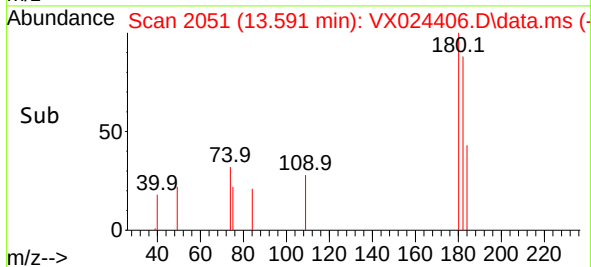
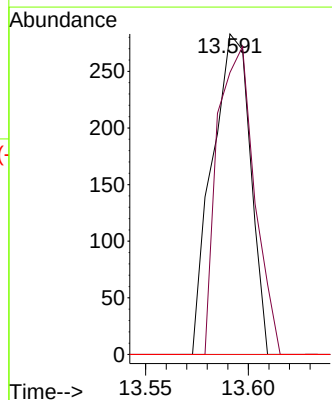
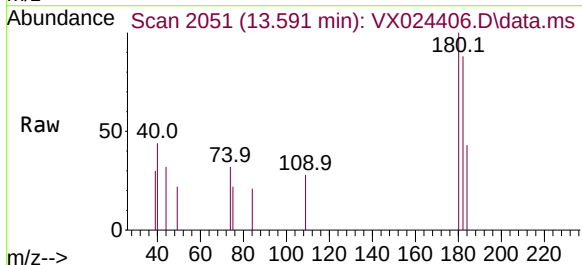
Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

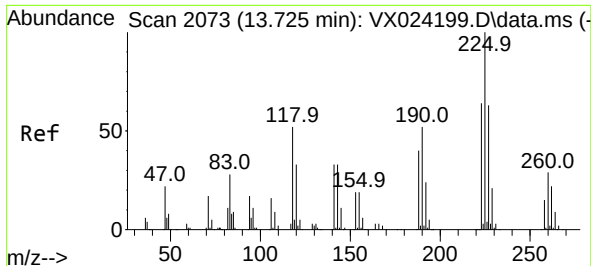
Tgt Ion: 75 Resp: 53713  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#93  
1,2,4-Trichlorobenzene  
Concen: 0.209 ug/l  
RT: 13.591 min Scan# 2051  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Tgt Ion:180 Resp: 366  
Ion Ratio Lower Upper  
180 100  
182 92.9 47.7 143.1  
145 0.0 15.0 45.0#

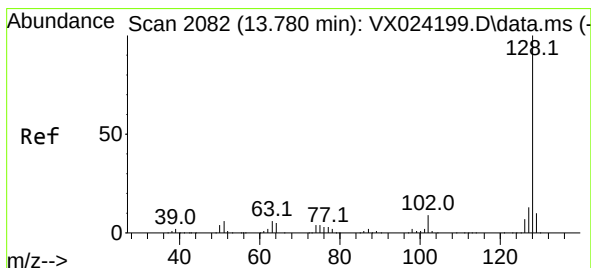
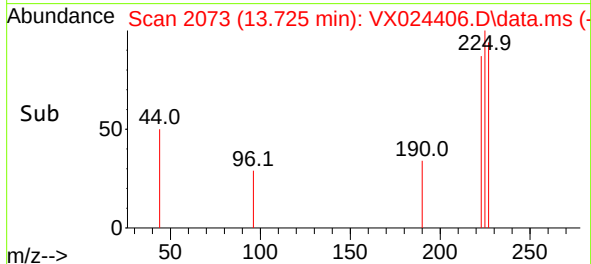
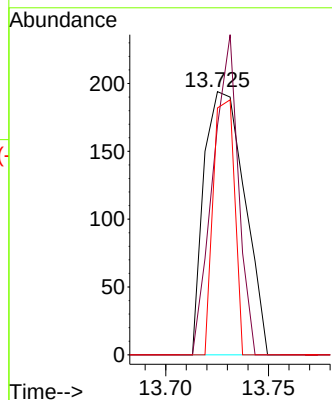
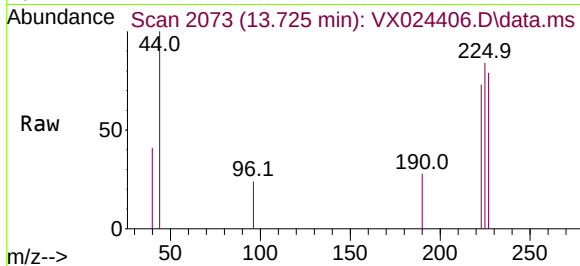




#94  
Hexachlorobutadiene  
Concen: 0.305 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

Instrument :  
MSVOA\_N  
ClientSampleId :  
BP-TT-VPB-RW7-GW-910-912

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 267   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 75.7  | 31.1  | 93.2  |
| 227      | 50.6  | 31.6  | 95.0  |



#95  
Naphthalene  
Concen: 1.450 ug/l  
RT: 13.780 min Scan# 2082  
Delta R.T. 0.000 min  
Lab File: VX024406.D  
Acq: 22 Sep 2021 00:16

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 1085  |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 6.5   | 10.3  | 15.5# |
| 129      | 9.8   | 8.8   | 13.2  |

