

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092022\  
 Data File : VY010575.D  
 Acq On : 20 Sep 2022 14:48  
 Operator : KP/MD  
 Sample : N4700-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Sep 21 01:20:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

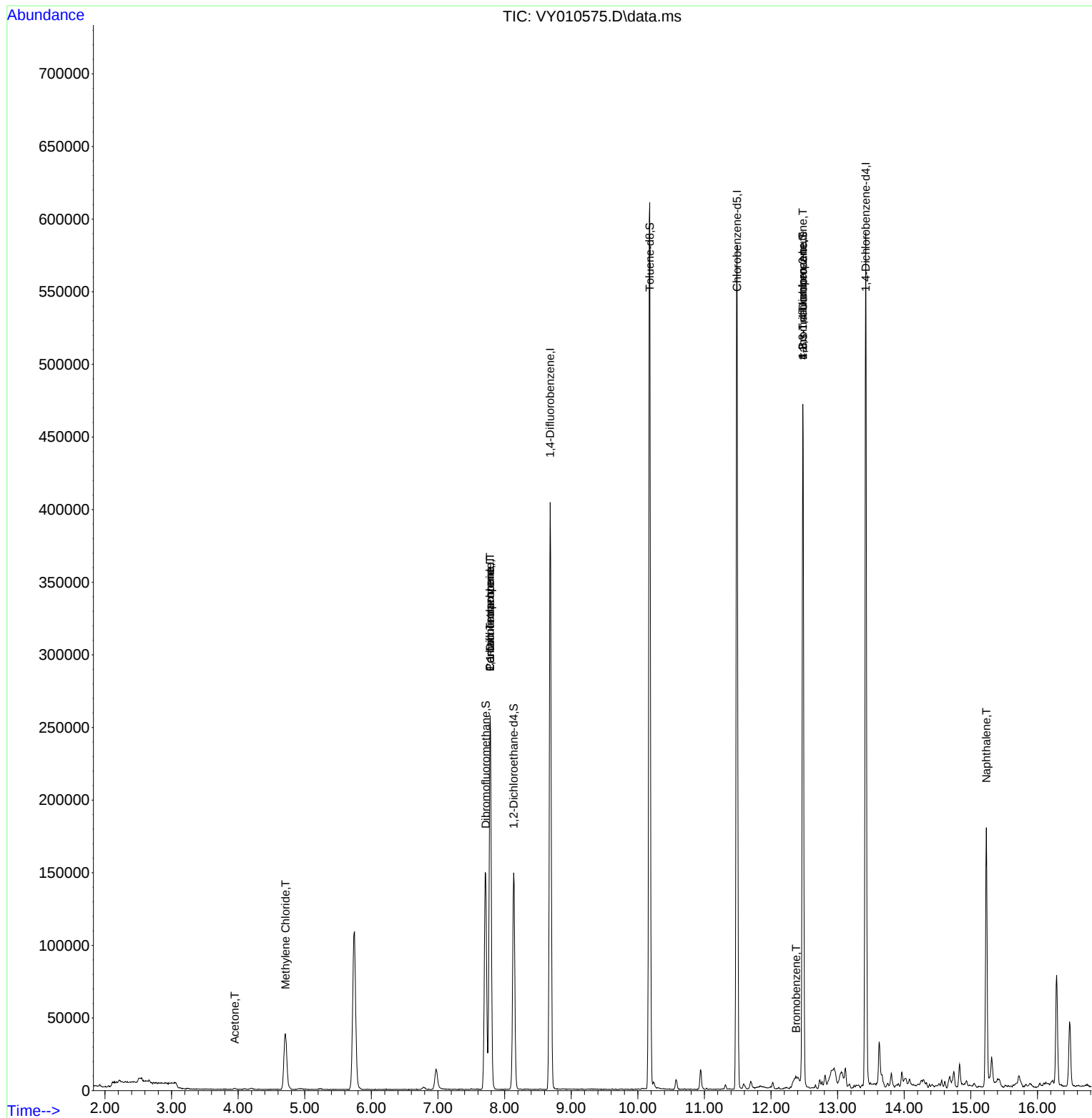
| Compound                      | R.T. QIon |       | Response | Conc         | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|--------------|------------|----------|
| -----                         |           |       |          |              |            |          |
| Internal Standards            |           |       |          |              |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 202438   | 50.000       | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 348100   | 50.000       | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 323872   | 50.000       | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 149138   | 50.000       | ug/l       | 0.00     |
|                               |           |       |          |              |            |          |
| System Monitoring Compounds   |           |       |          |              |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 115480   | 59.640       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery     | = 119.280% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 107829   | 48.537       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery     | = 97.080%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 411532   | 50.115       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery     | = 100.240% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 143210   | 46.827       | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery     | = 93.660%  |          |
|                               |           |       |          |              |            |          |
| Target Compounds              |           |       |          |              |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.906     | 85    | 163      | Below Cal    | #          | 43       |
| 3) Chloromethane              | 2.107     | 50    | 929      | Below Cal    | #          | 86       |
| 4) Vinyl Chloride             | 2.217     | 62    | 34       | Below Cal    | #          | 43       |
| 5) Bromomethane               | 2.668     | 94    | 440      | Below Cal    |            | 96       |
| 11) Tert butyl alcohol        | 4.942     | 59    | 1049     | Below Cal    | #          | 77       |
| 16) Acetone                   | 3.948     | 43    | 1216     | 3.080 ug/l   | #          | 86       |
| 17) Carbon Disulfide          | 4.186     | 76    | 73       | Below Cal    | #          | 75       |
| 18) Methyl Acetate            | 4.454     | 43    | 62       | Below Cal    | #          | 56       |
| 20) Methylene Chloride        | 4.710     | 84    | 30556    | 3.512 ug/l   | #          | 78       |
| 31) Cyclohexane               | 7.789     | 56    | 4346     | Below Cal    | #          | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 15269    | 6.169 ug/l   | #          | 50       |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 20022    | 7.035 ug/l   | #          | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 73760    | 51.819 ug/l  | #          | 100      |
| 77) Bromobenzene              | 12.380    | 156   | 3401     | 1.551 ug/l   | #          | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 73760    | 115.216 ug/l | #          | 7        |
| 95) Naphthalene               | 15.233    | 128   | 146948   | 30.150 ug/l  |            | 99       |
| -----                         |           |       |          |              |            |          |

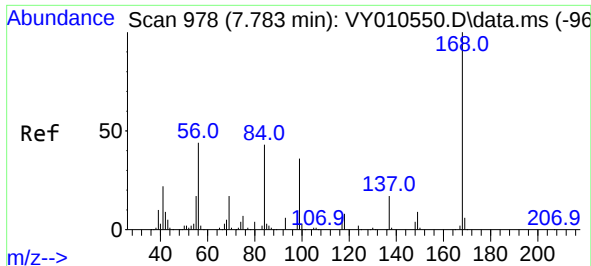
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092022\  
Data File : VY010575.D  
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Sample : N4700-01  
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ALS Vial : 10 Sample Multiplier: 1

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MSVOA\_Y  
ClientSampleId :

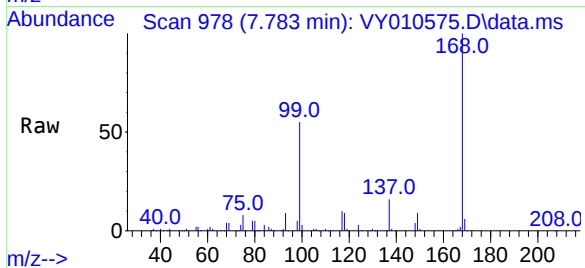
Quant Time: Sep 21 01:20:41 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 20 01:02:44 2022  
Response via : Initial Calibration



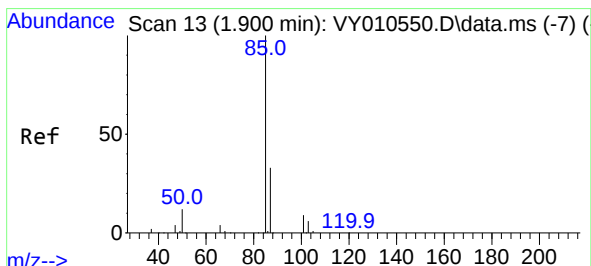
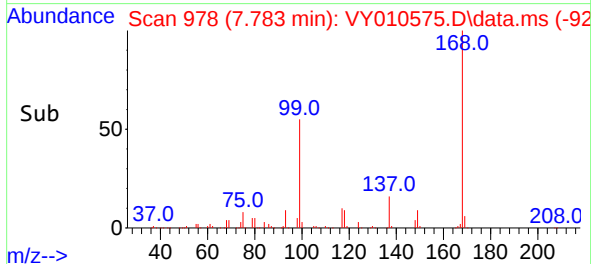
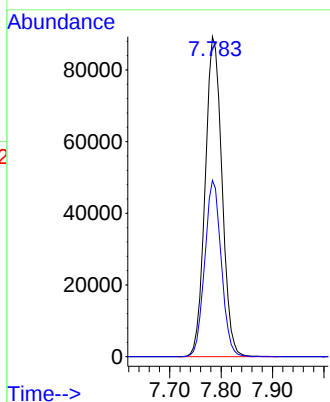


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

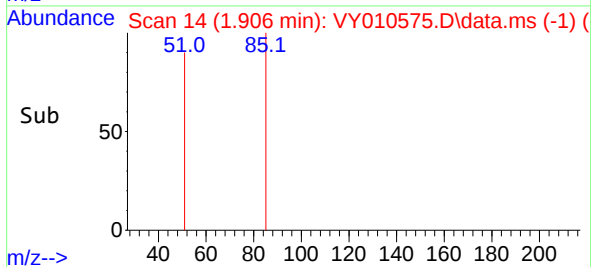
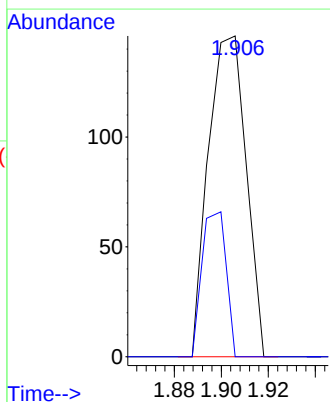
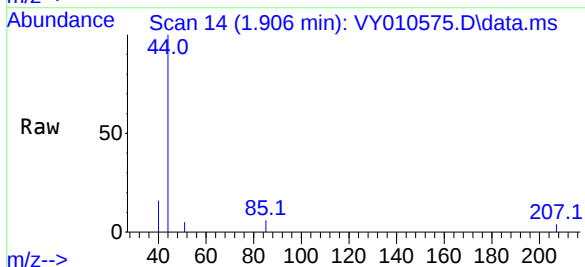


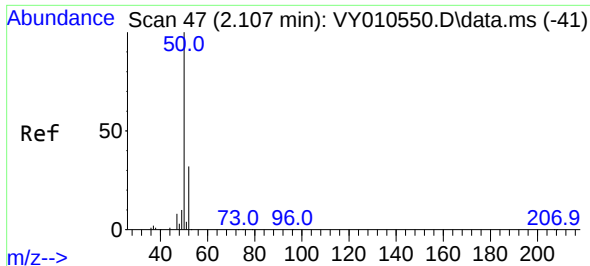
Tgt Ion:168 Resp: 202438  
Ion Ratio Lower Upper  
168 100  
99 55.1 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.906 min Scan# 14  
Delta R.T. 0.006 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

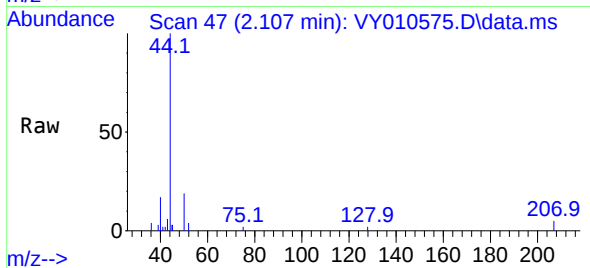
Tgt Ion: 85 Resp: 163  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#



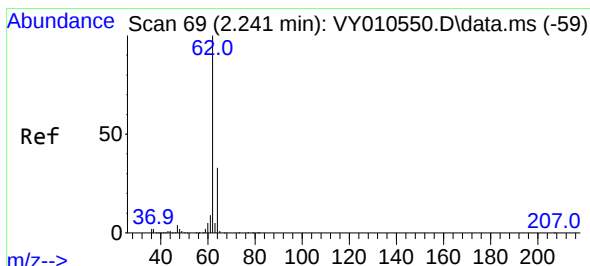
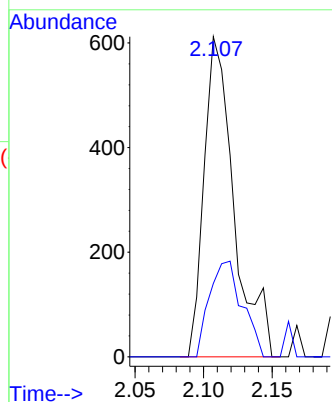


#3  
Chloromethane  
Concen: Below Cal  
RT: 2.107 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

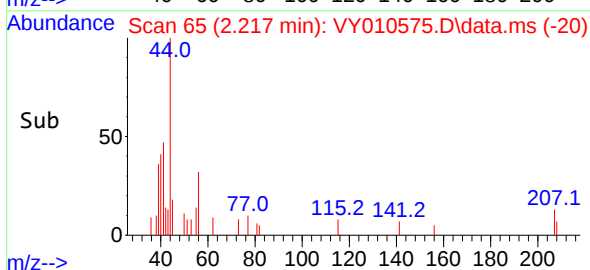
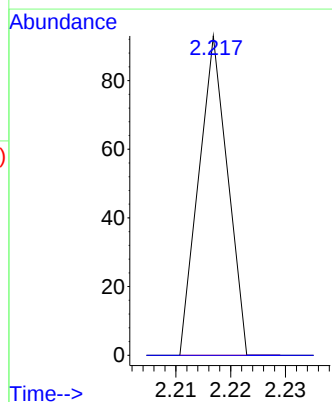
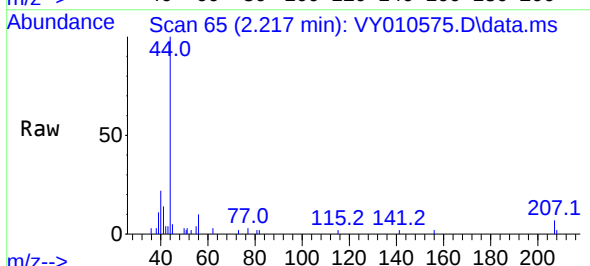


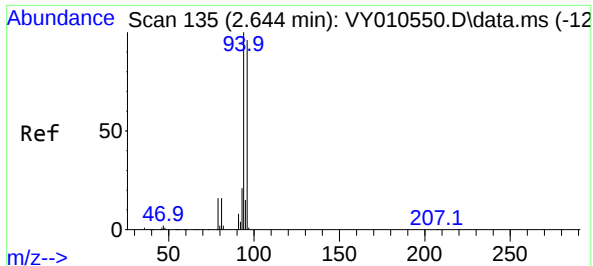
Tgt Ion: 50 Resp: 929  
Ion Ratio Lower Upper  
50 100  
52 22.9 24.6 37.0#



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.217 min Scan# 65  
Delta R.T. -0.024 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Tgt Ion: 62 Resp: 34  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.0 37.6#

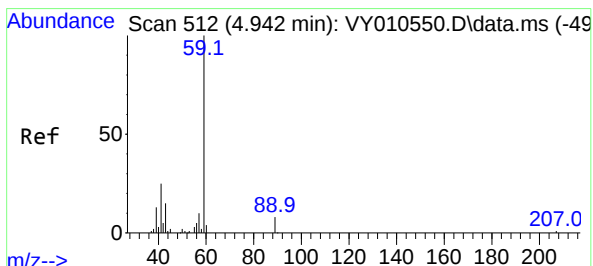
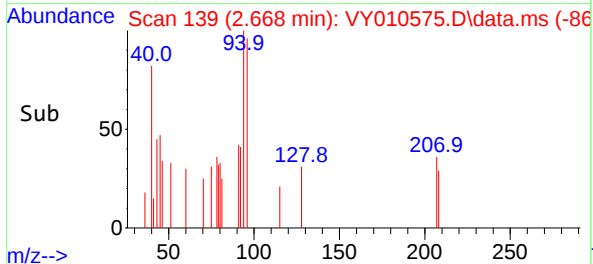
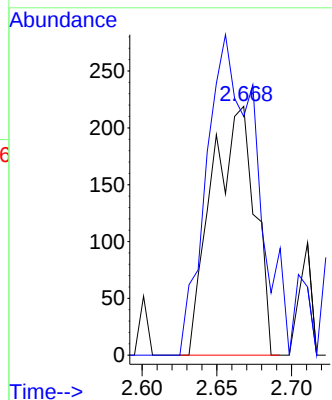
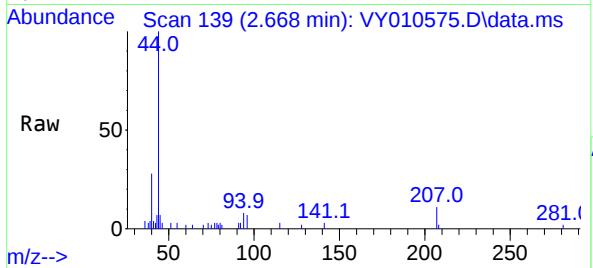




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 11  
Delta R.T. 0.024 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

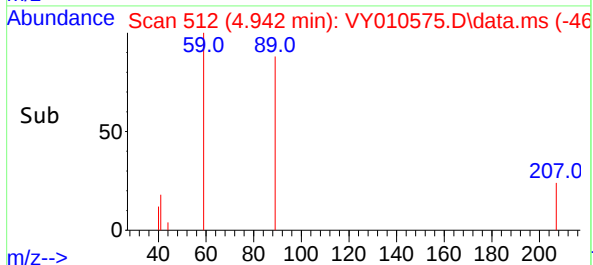
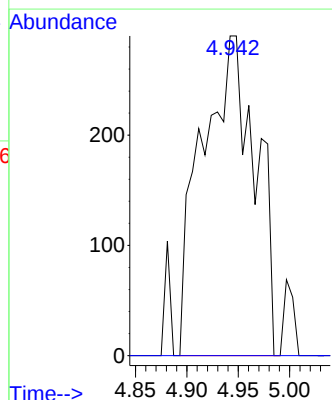
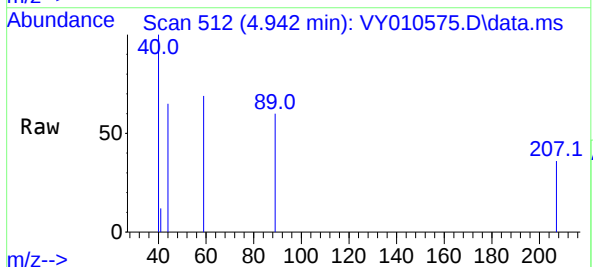
Instrument :  
MSVOA\_Y  
ClientSampleId :

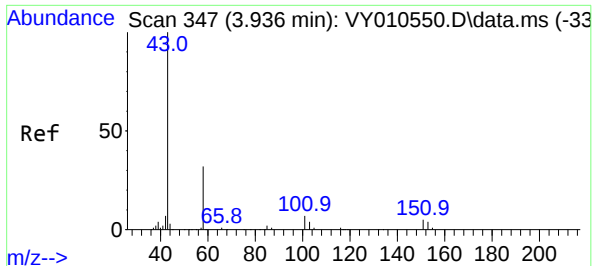
Tgt Ion: 94 Resp: 440  
Ion Ratio Lower Upper  
94 100  
96 95.9 73.5 110.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.942 min Scan# 512  
Delta R.T. -0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

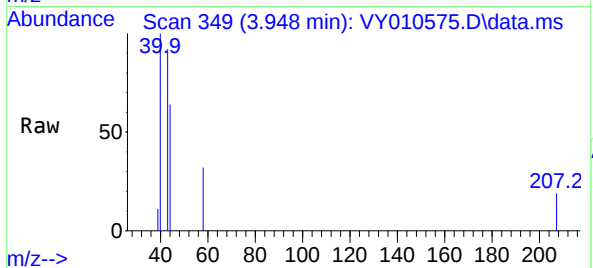
Tgt Ion: 59 Resp: 1049  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#



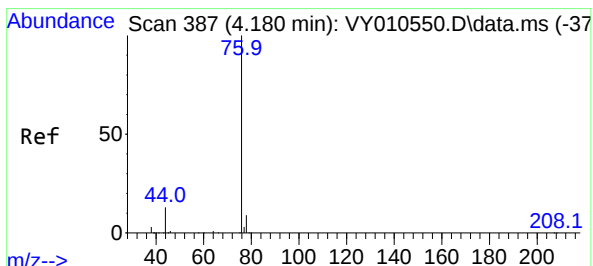
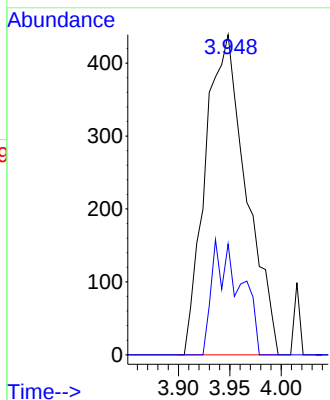
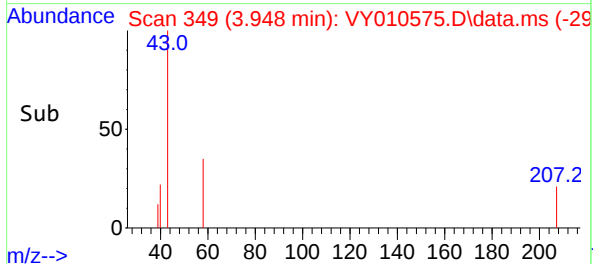


#16  
Acetone  
Concen: 3.080 ug/l  
RT: 3.948 min Scan# 347  
Delta R.T. 0.012 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

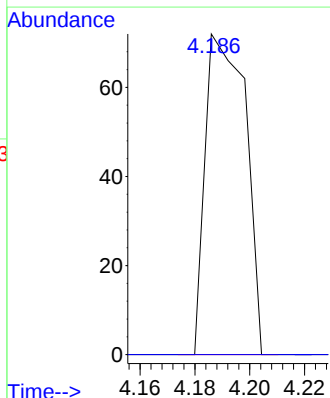
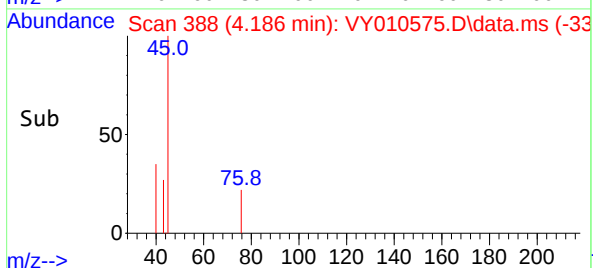
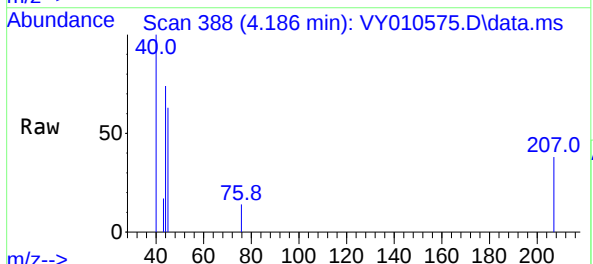


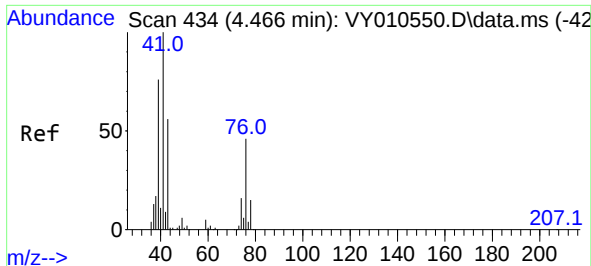
Tgt Ion: 43 Resp: 1216  
Ion Ratio Lower Upper  
43 100  
58 34.6 22.0 33.0#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.186 min Scan# 388  
Delta R.T. 0.006 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

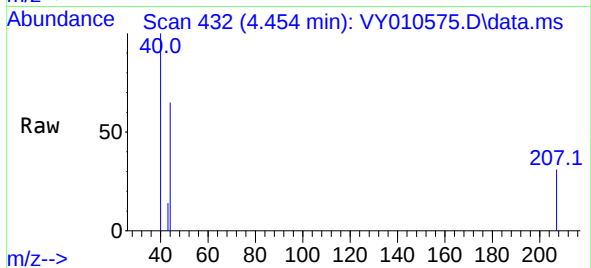
Tgt Ion: 76 Resp: 73  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.4 11.0#



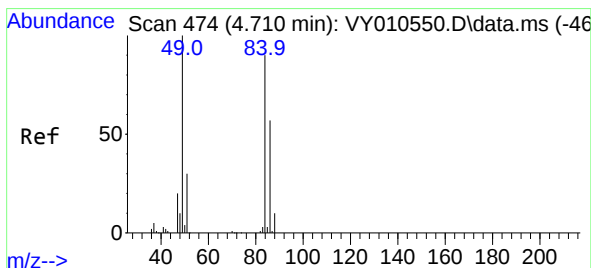
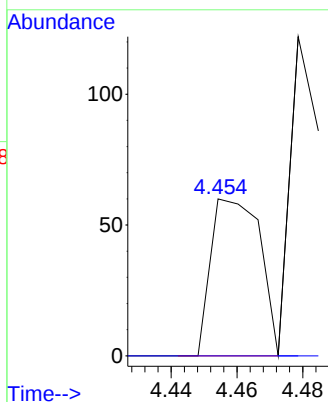
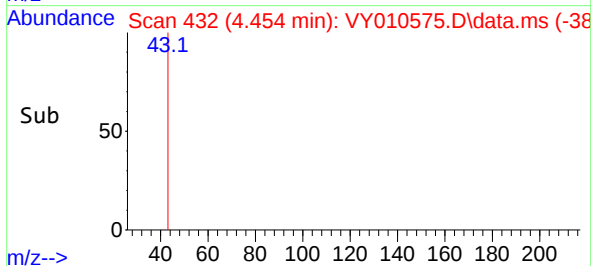


#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.454 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

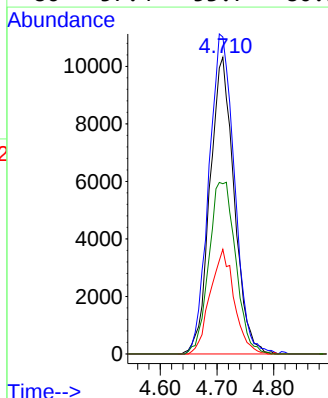
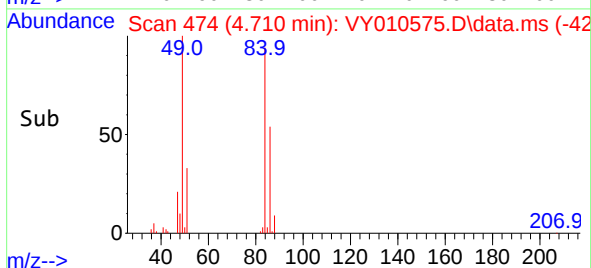
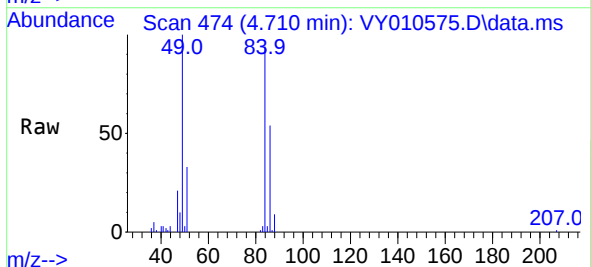


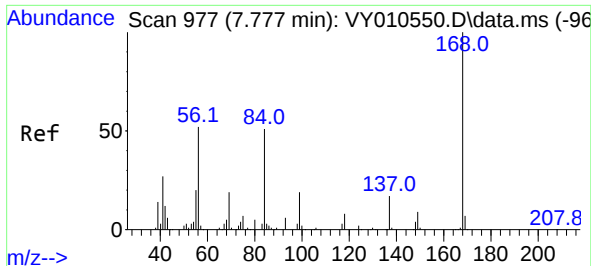
Tgt Ion: 43 Resp: 62  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: 3.512 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

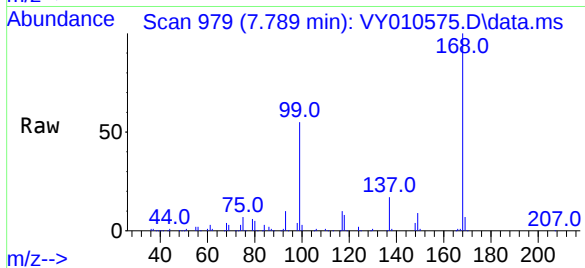
Tgt Ion: 84 Resp: 30556  
Ion Ratio Lower Upper  
84 100  
49 106.8 114.4 171.6#  
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86 57.4 53.7 80.5



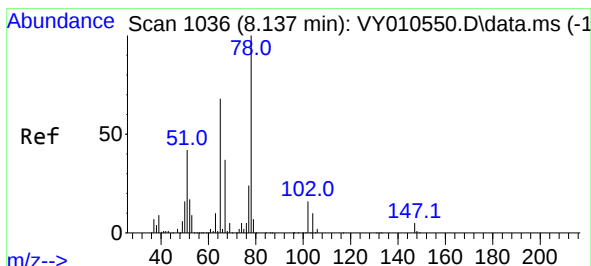
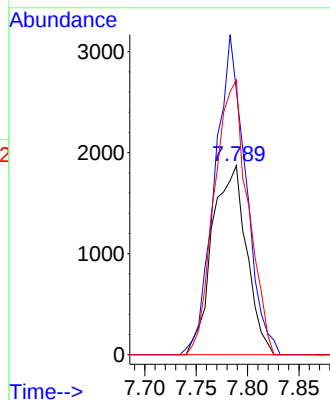
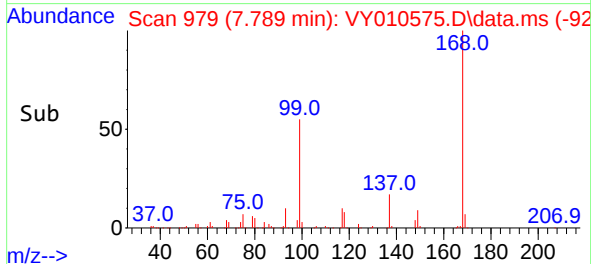


#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
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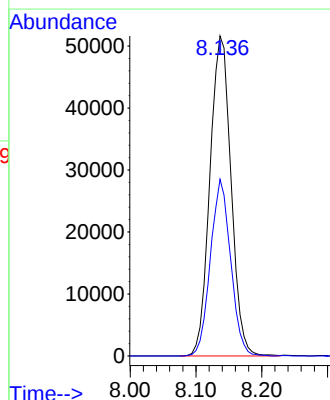
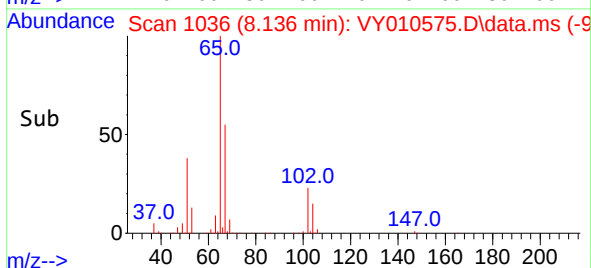
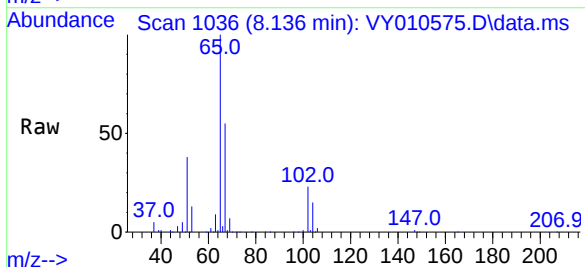


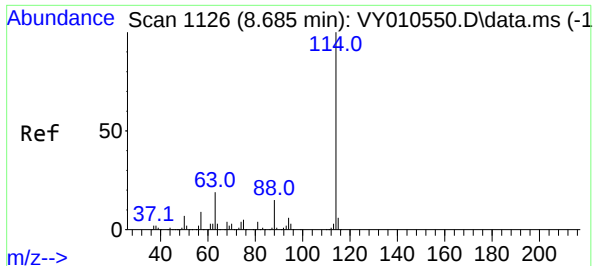
Tgt Ion: 56 Resp: 4346  
Ion Ratio Lower Upper  
56 100  
69 139.5 26.7 40.1#  
84 145.2 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 59.640 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Tgt Ion: 65 Resp: 115480  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010575.D

Acq: 20 Sep 2022 14:48

Instrument :

MSVOA\_Y

ClientSampleId :

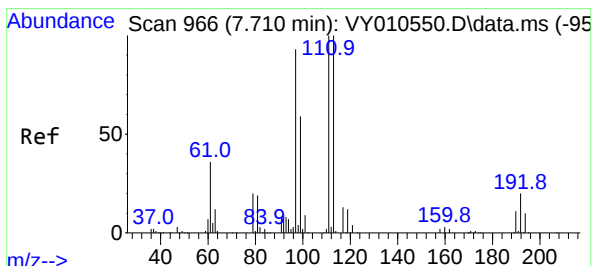
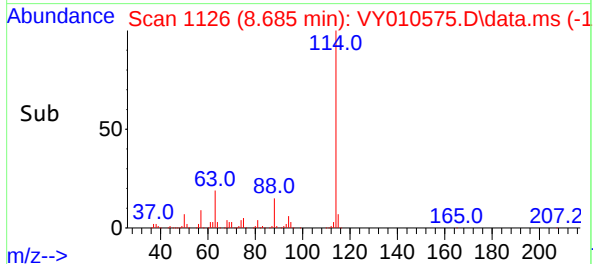
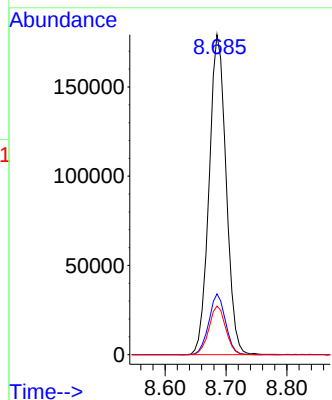
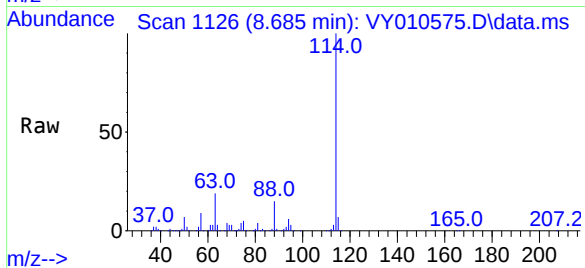
Tgt Ion:114 Resp: 348100

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.537 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010575.D

Acq: 20 Sep 2022 14:48

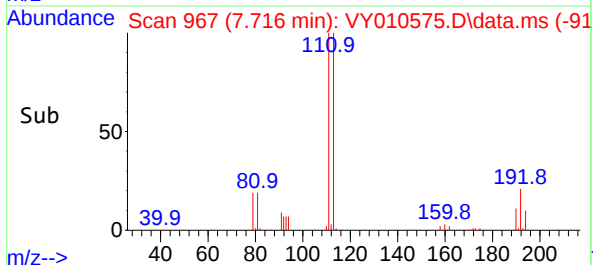
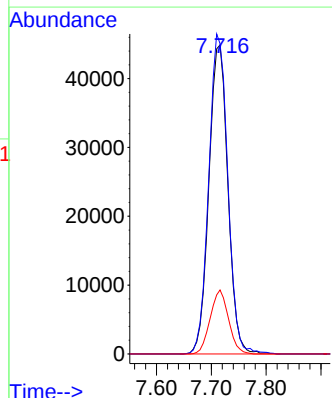
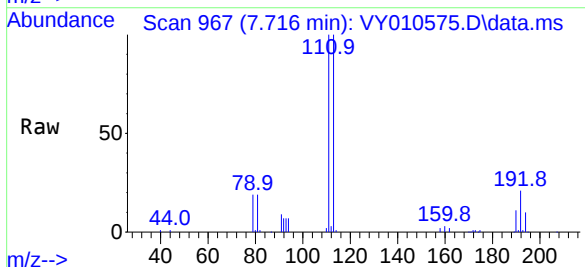
Tgt Ion:113 Resp: 107829

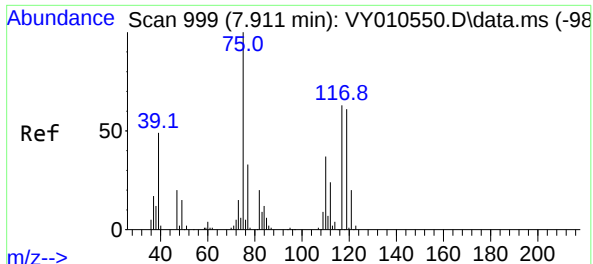
Ion Ratio Lower Upper

113 100

111 103.8 82.6 124.0

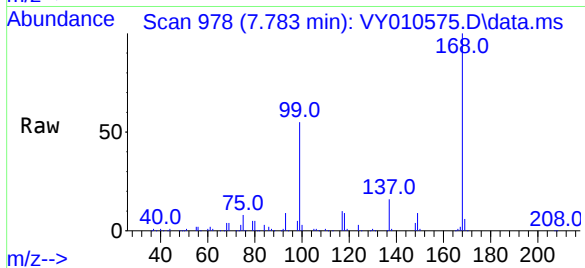
192 20.0 17.6 26.4



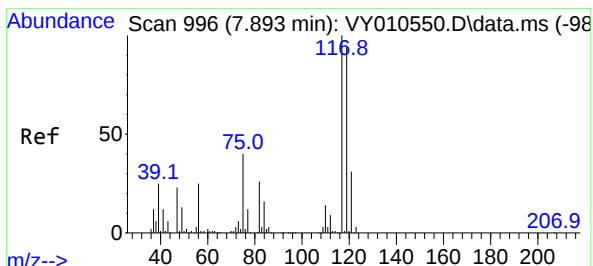
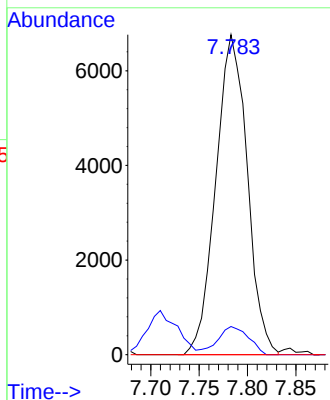
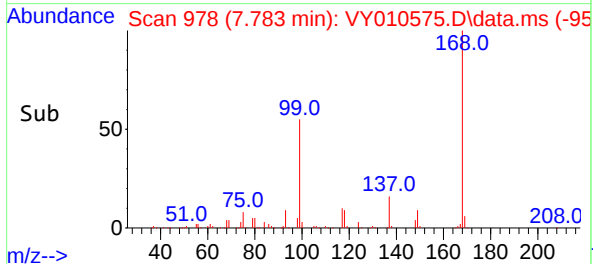


#36  
1,1-Dichloropropene  
Concen: 6.169 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.128 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

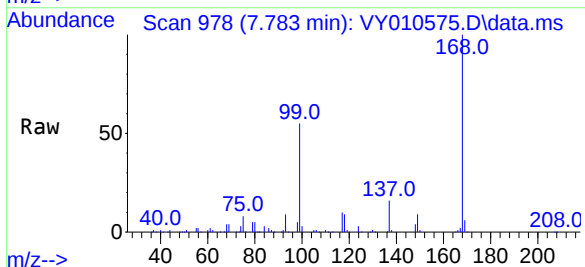
Instrument :  
MSVOA\_Y  
ClientSampleId :



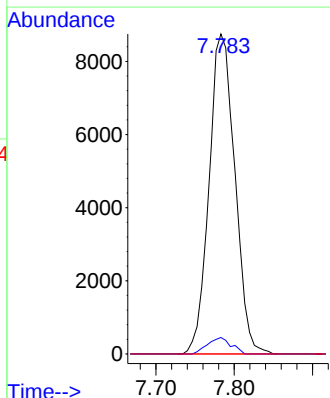
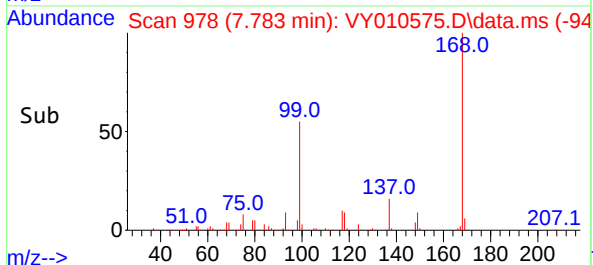
Tgt Ion: 75 Resp: 15269  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.1 51.2#  
77 0.0 24.4 36.6#

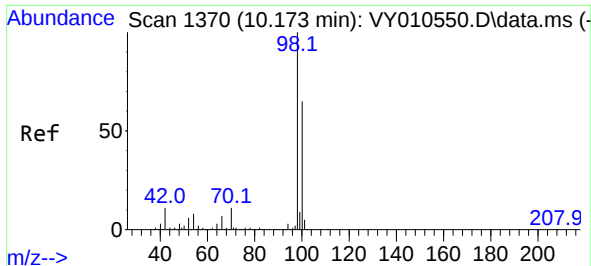


#38  
Carbon Tetrachloride  
Concen: 7.035 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48



Tgt Ion: 117 Resp: 20022  
Ion Ratio Lower Upper  
117 100  
119 5.2 77.9 116.9#  
121 0.0 24.8 37.2#

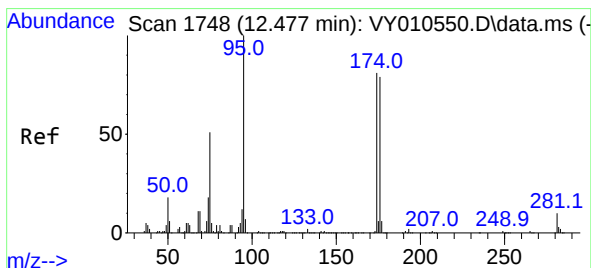
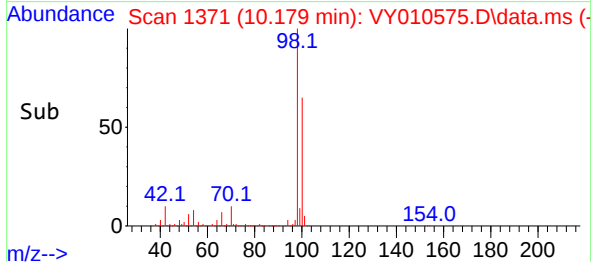
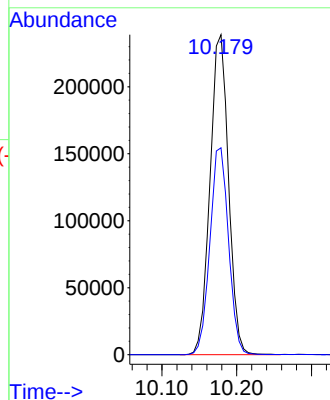
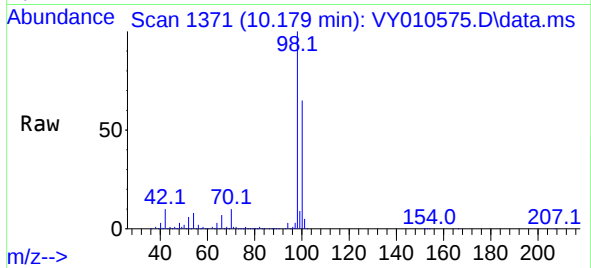




#50  
Toluene-d8  
Concen: 50.115 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

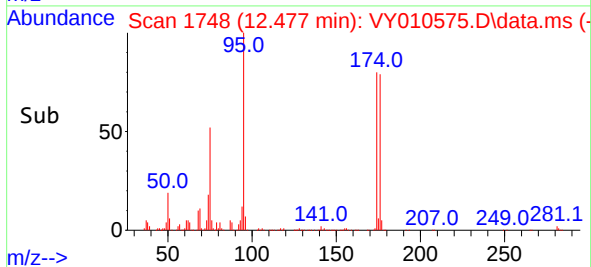
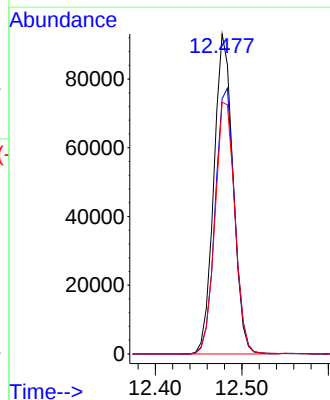
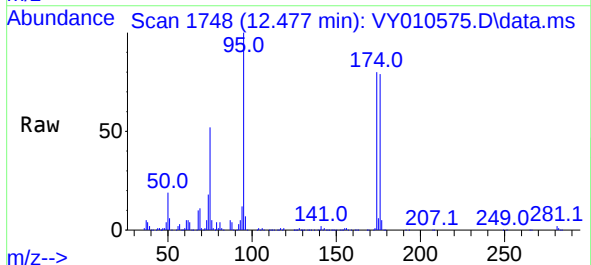
Instrument :  
MSVOA\_Y  
ClientSampleId :

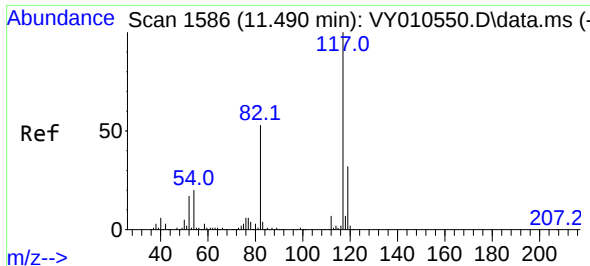
Tgt Ion: 98 Resp: 411532  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 46.827 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

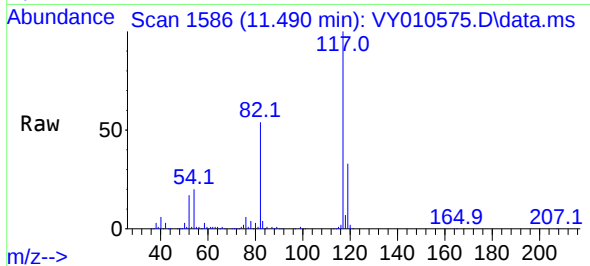
Tgt Ion: 95 Resp: 143210  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 81.5 0.0 175.8



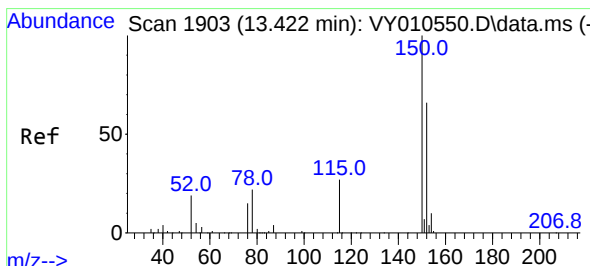
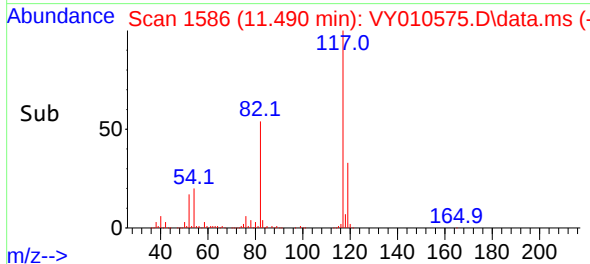
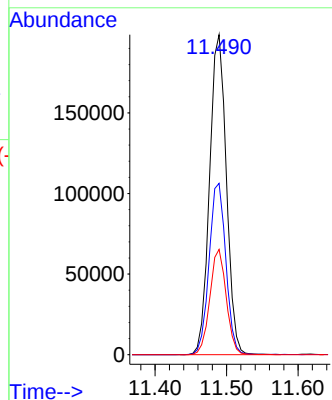


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

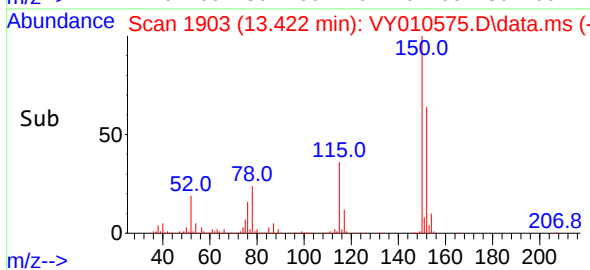
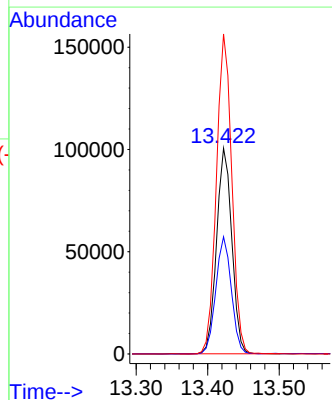
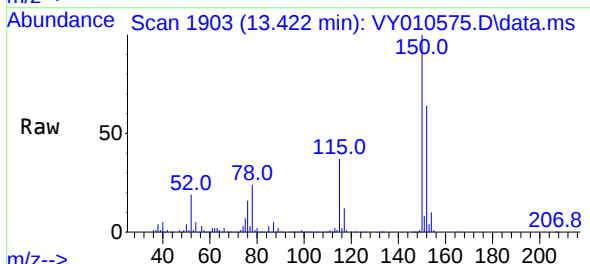


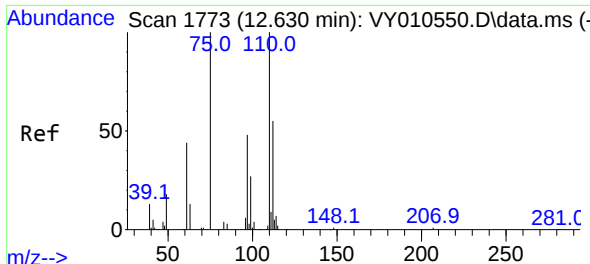
Tgt Ion:117 Resp: 323872  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.0 64.4  
119 32.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Tgt Ion:152 Resp: 149138  
Ion Ratio Lower Upper  
152 100  
115 57.9 28.2 84.7  
150 156.7 0.0 347.6

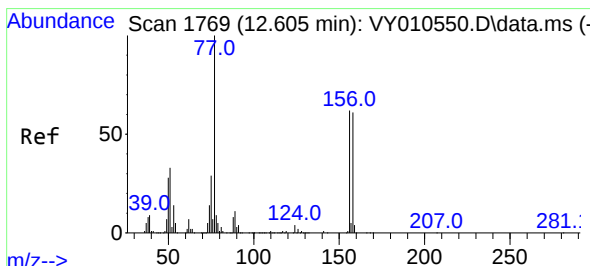
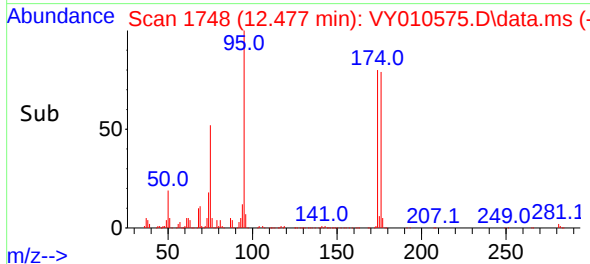
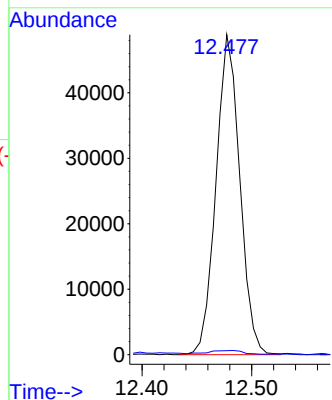
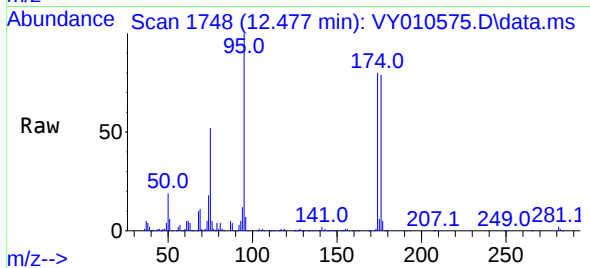




#76  
1,2,3-Trichloropropane  
Concen: 51.819 ug/l  
RT: 12.477 min Scan# 1773  
Delta R.T. -0.153 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

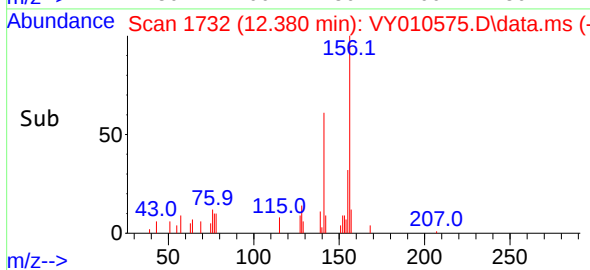
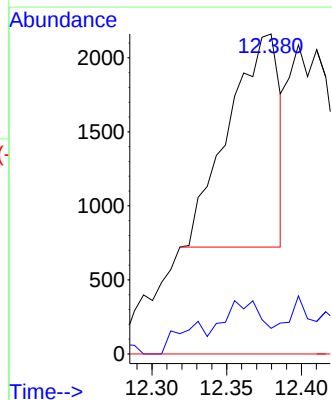
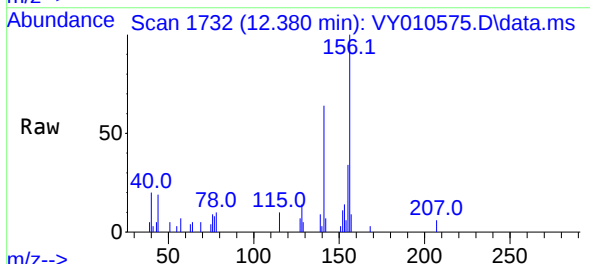
Instrument :  
MSVOA\_Y  
ClientSampleId :

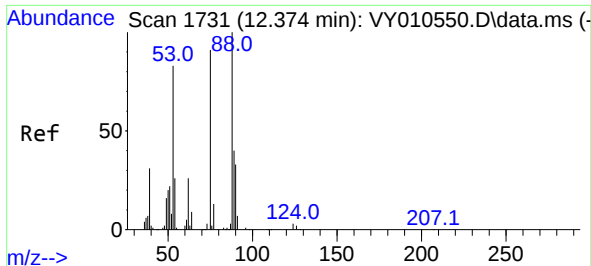
Tgt Ion: 75 Resp: 73760  
Ion Ratio Lower Upper  
75 100  
77 1.7 0.0 0.0#



#77  
Bromobenzene  
Concen: 1.551 ug/l  
RT: 12.380 min Scan# 1732  
Delta R.T. -0.225 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

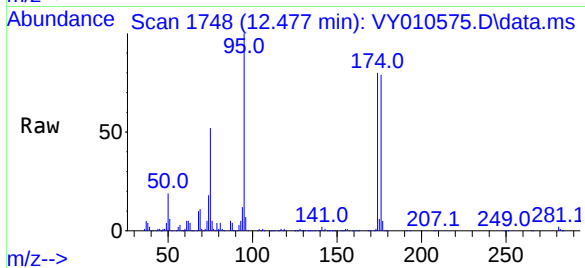
Tgt Ion: 156 Resp: 3401  
Ion Ratio Lower Upper  
156 100  
77 4.4 95.5 286.4#  
158 0.0 48.0 144.0#



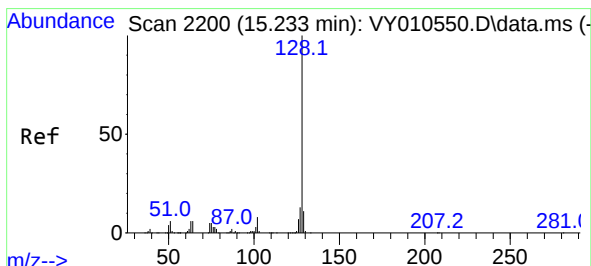
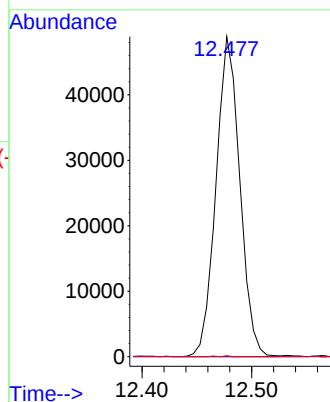
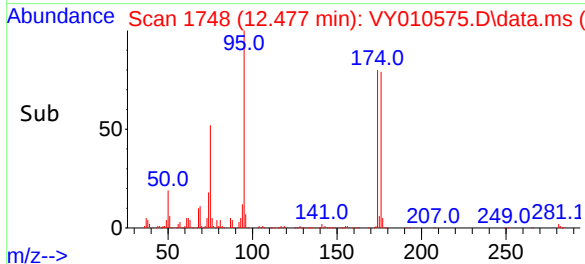


#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.216 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.103 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 73760  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#



#95  
Naphthalene  
Concen: 30.150 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. -0.000 min  
Lab File: VY010575.D  
Acq: 20 Sep 2022 14:48

Tgt Ion: 128 Resp: 146948  
Ion Ratio Lower Upper  
128 100  
127 13.0 11.0 16.4  
129 10.9 8.4 12.6

