

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122022\  
 Data File : VY011919.D  
 Acq On : 20 Dec 2022 14:05  
 Operator : KP/MD  
 Sample : VY1220SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1220SBL01

Quant Time: Dec 20 14:51:13 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 20 12:37:37 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 220480   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 357732   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 317489   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 148694   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 120076   | 54.057   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 108.120% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 109842   | 51.003   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 102.000% |
| 50) Toluene-d8              | 10.179 | 98    | 435233   | 49.810   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 99.620%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 136798   | 46.550   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 93.100%  |

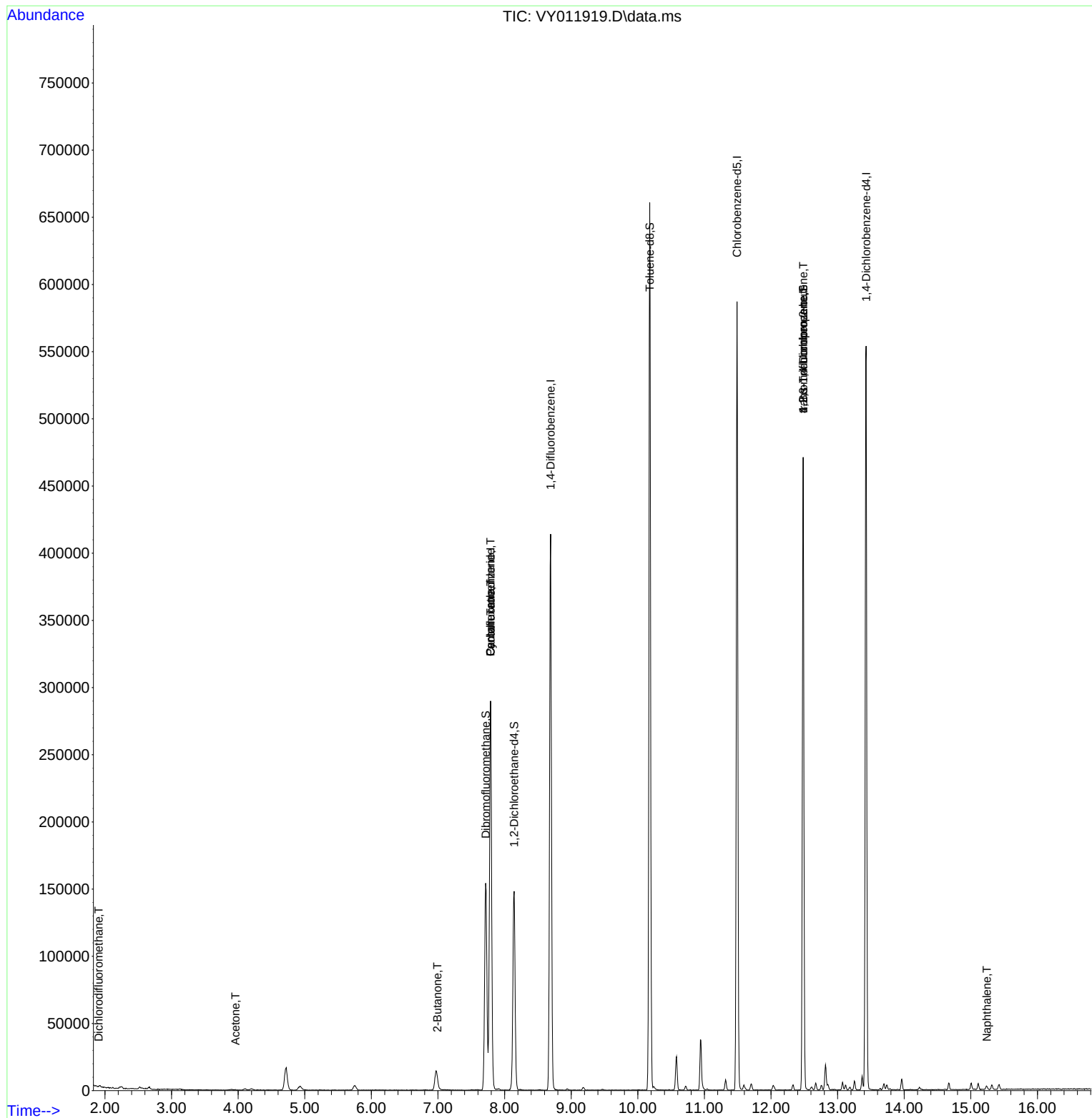
| Target Compounds              |        |     |       |           | Qvalue |     |
|-------------------------------|--------|-----|-------|-----------|--------|-----|
| 2) Dichlorodifluoromethane    | 1.906  | 85  | 293   | 2.626     | ug/l # | 41  |
| 11) Tert butyl alcohol        | 4.930  | 59  | 3161  | Below Cal | #      | 74  |
| 16) Acetone                   | 3.960  | 43  | 638   | 5.818     | ug/l # | 40  |
| 20) Methylene Chloride        | 4.710  | 84  | 13228 | Below Cal |        | 84  |
| 25) 2-Butanone                | 6.990  | 43  | 857   | 1.158     | ug/l # | 46  |
| 31) Cyclohexane               | 7.789  | 56  | 4599  | 1.230     | ug/l # | 1   |
| 38) Carbon Tetrachloride      | 7.789  | 117 | 21742 | 5.450     | ug/l # | 18  |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 71957 | 38.890    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 71957 | 106.501   | ug/l # | 13  |
| 95) Naphthalene               | 15.239 | 128 | 2608  | 3.228     | ug/l   | 96  |

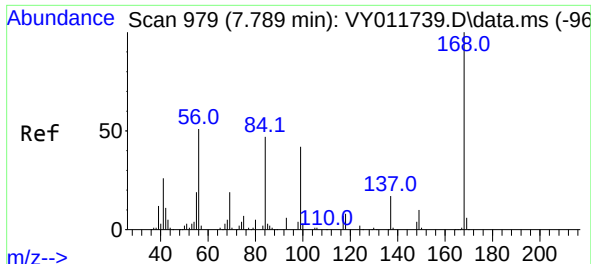
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY122022\  
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Sample : VY1220SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

Quant Time: Dec 20 14:51:13 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y122022S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 20 12:37:37 2022  
Response via : Initial Calibration

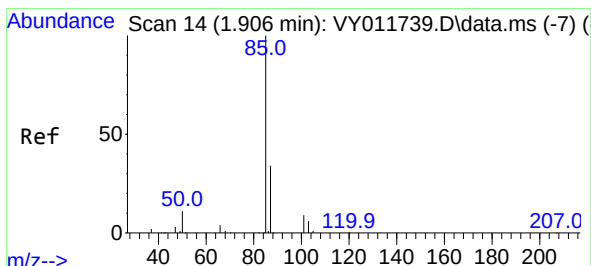
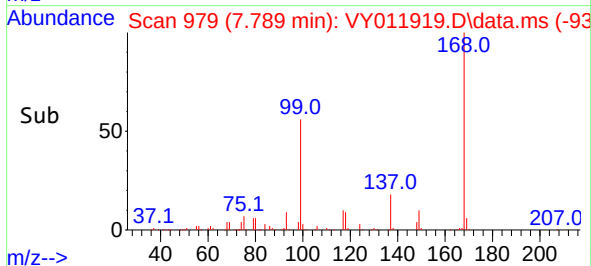
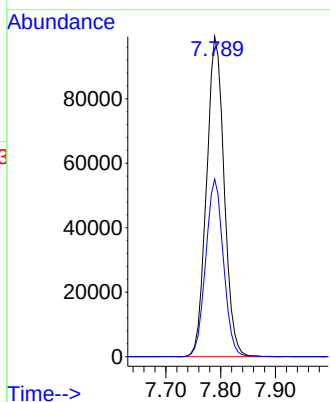
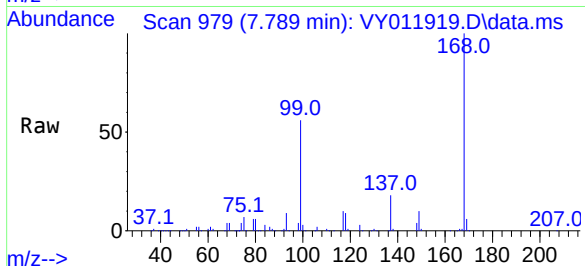




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

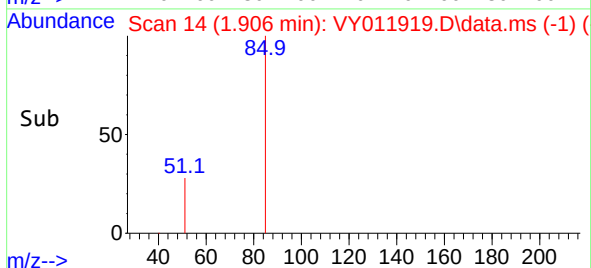
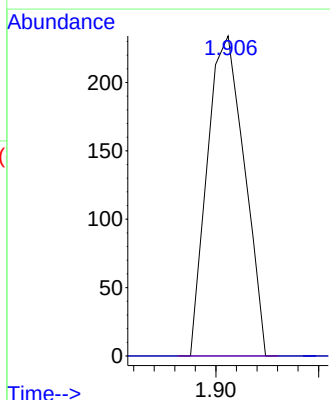
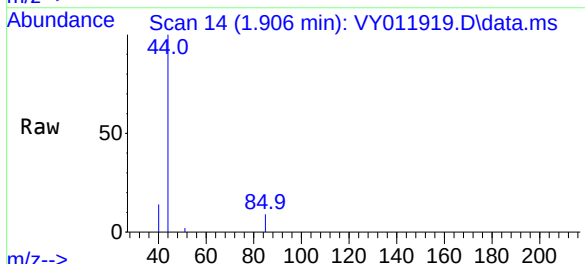
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

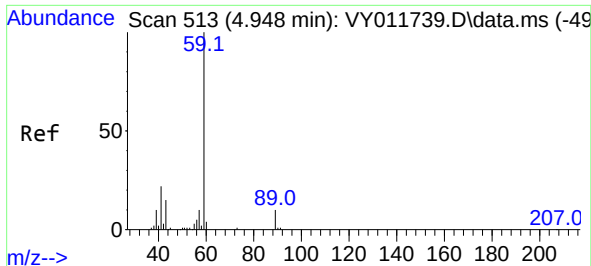
Tgt Ion:168 Resp: 220480  
Ion Ratio Lower Upper  
168 100  
99 55.5 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: 2.626 ug/l  
RT: 1.906 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion: 85 Resp: 293  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.8 50.4#

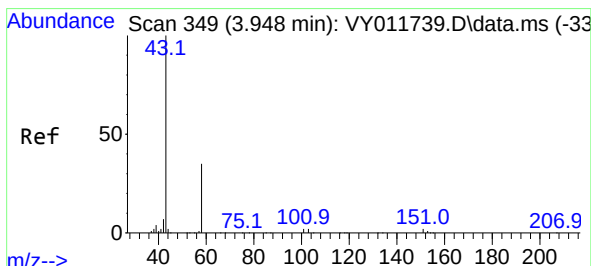
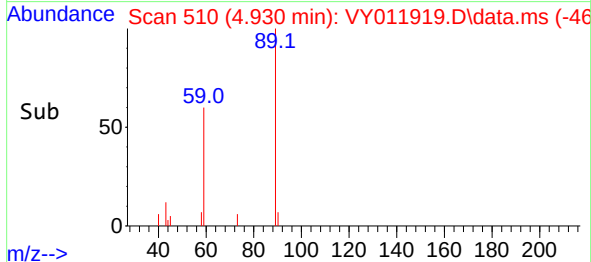
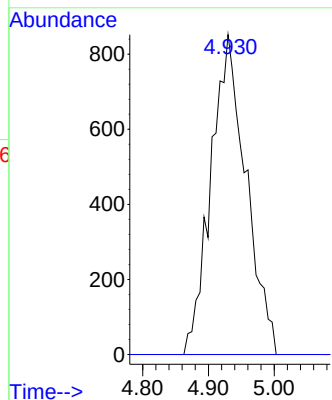
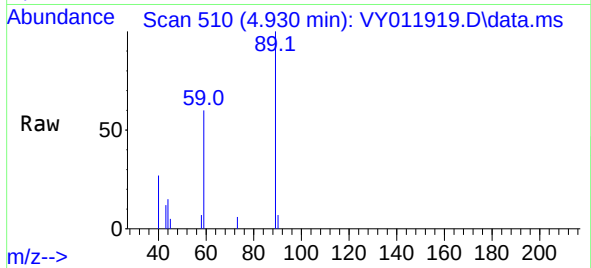




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.930 min Scan# 51  
Delta R.T. -0.018 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

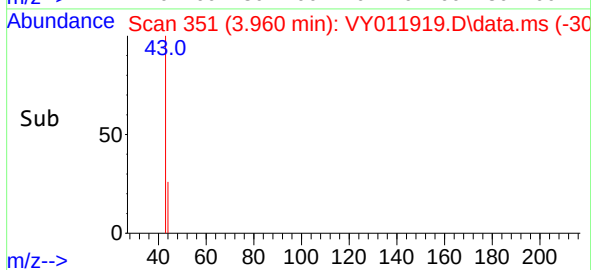
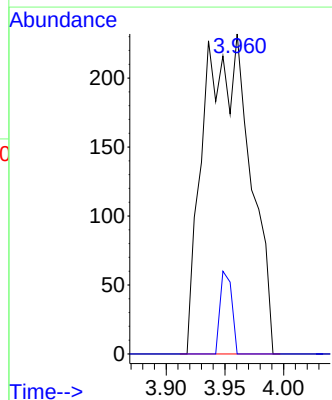
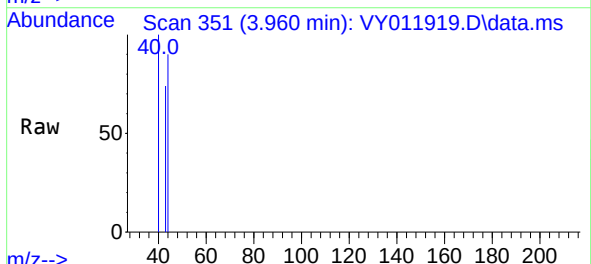
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

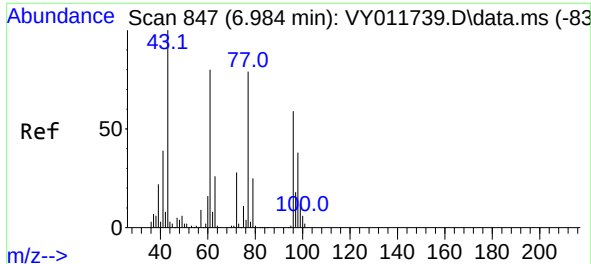
Tgt Ion: 59 Resp: 3161  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#16  
Acetone  
Concen: 5.818 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.012 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion: 43 Resp: 638  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.9 41.9#

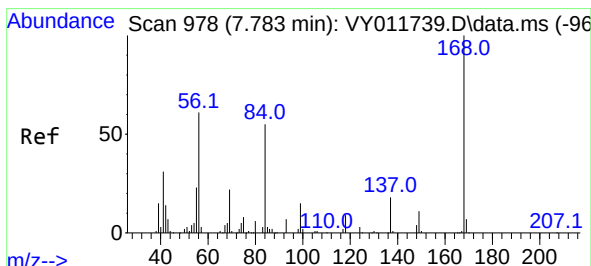
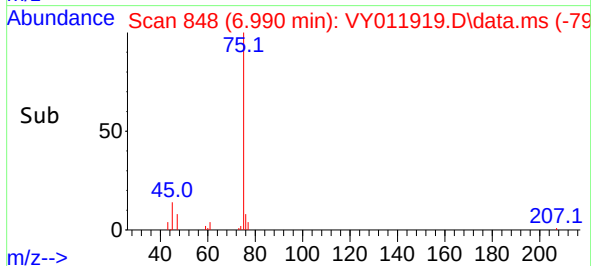
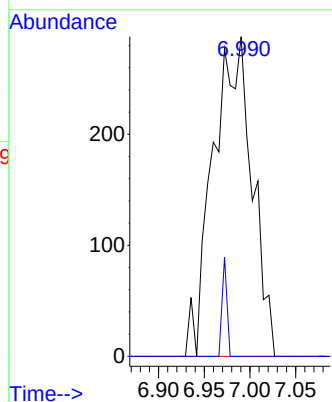
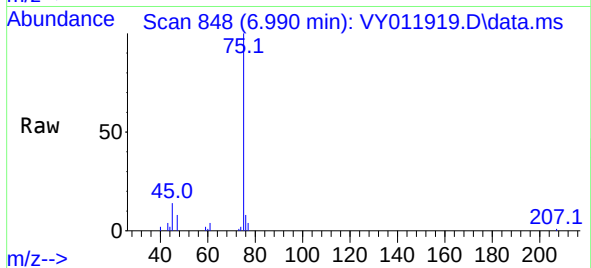




#25  
2-Butanone  
Concen: 1.158 ug/l  
RT: 6.990 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

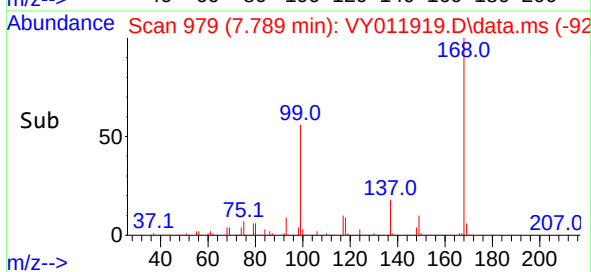
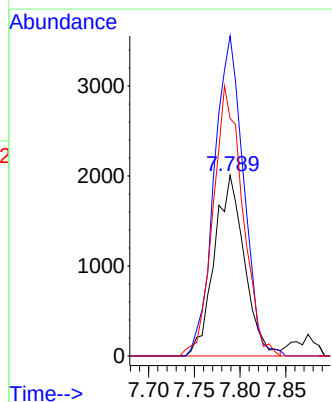
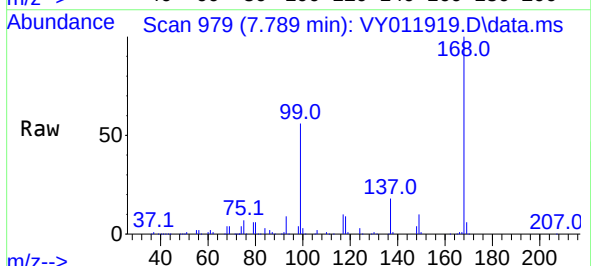
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

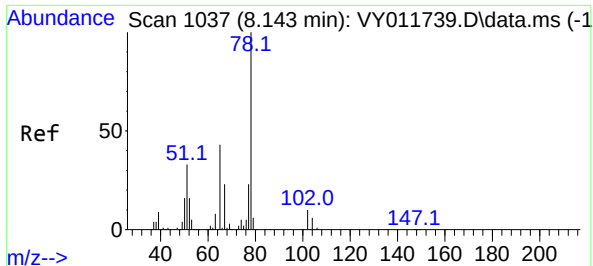
Tgt Ion: 43 Resp: 857  
Ion Ratio Lower Upper  
43 100  
72 0.0 22.6 34.0#



#31  
Cyclohexane  
Concen: 1.230 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion: 56 Resp: 4599  
Ion Ratio Lower Upper  
56 100  
69 177.2 29.2 43.8#  
84 131.5 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 54.057 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011919.D

Acq: 20 Dec 2022 14:05

Instrument :

MSVOA\_Y

ClientSampleId :

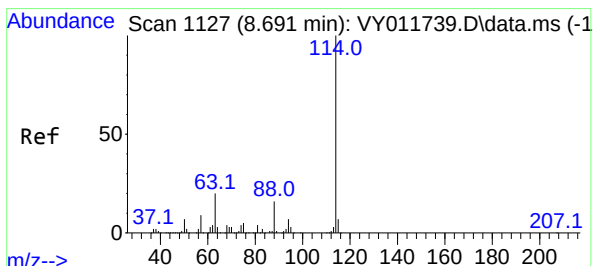
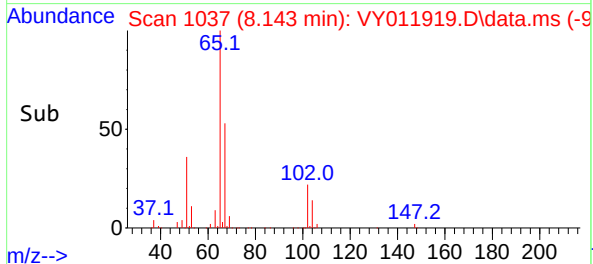
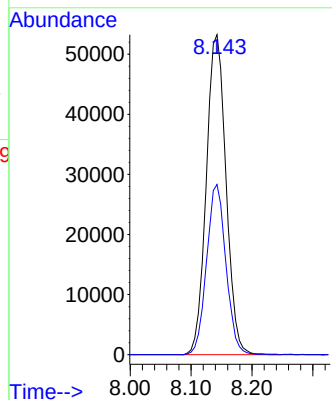
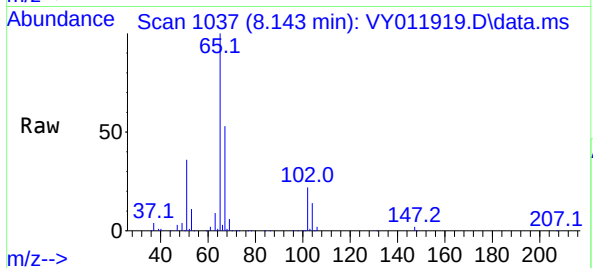
VY1220SBL01

Tgt Ion: 65 Resp: 120076

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011919.D

Acq: 20 Dec 2022 14:05

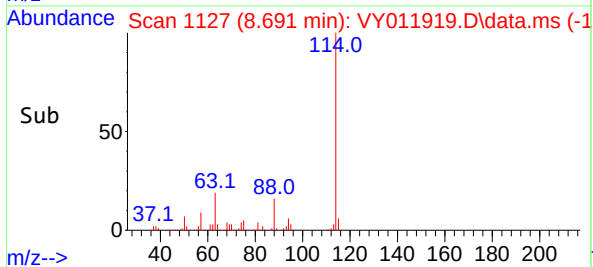
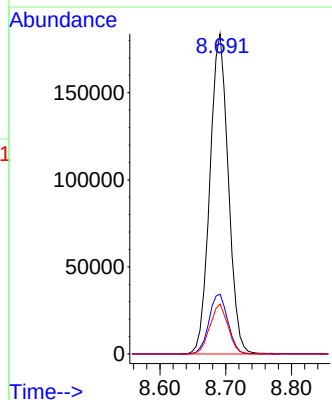
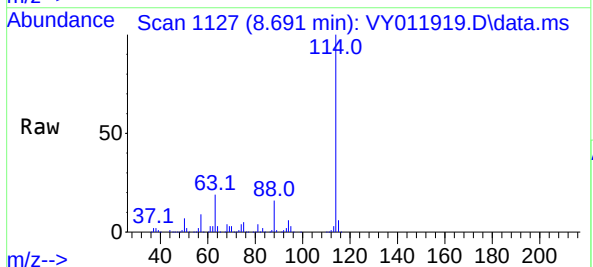
Tgt Ion: 114 Resp: 357732

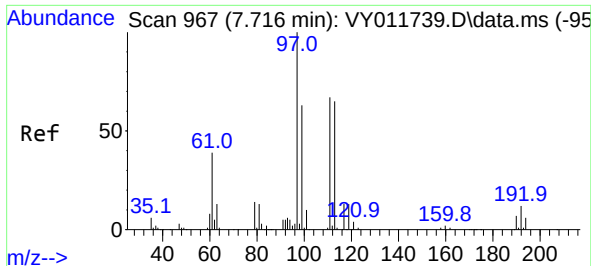
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.6

88 15.6 0.0 32.2

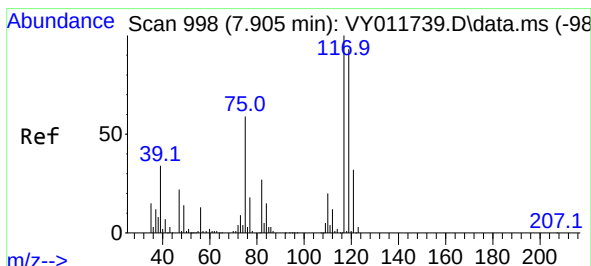
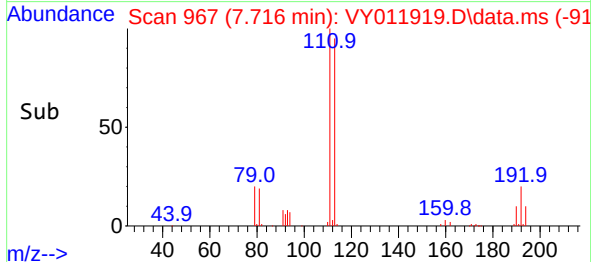
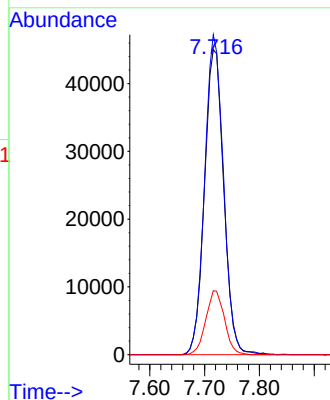
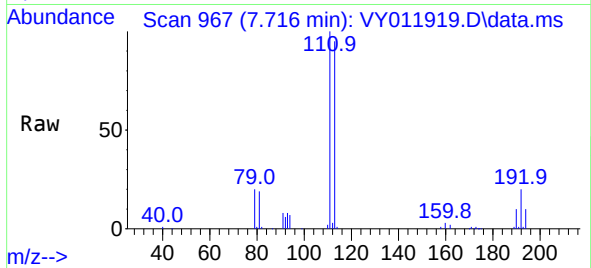




#35  
Dibromofluoromethane  
Concen: 51.003 ug/l  
RT: 7.716 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

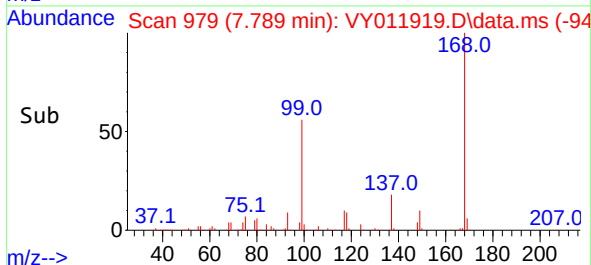
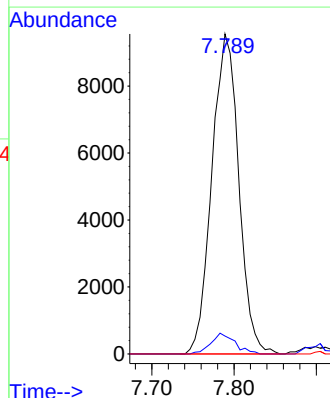
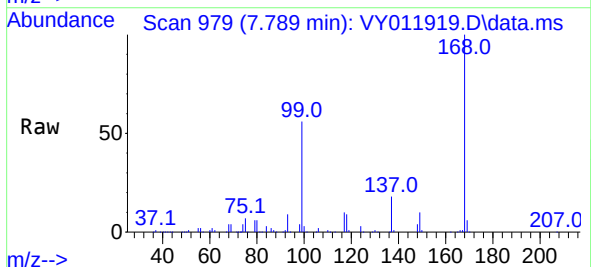
Instrument :  
MSVOA\_Y  
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VY1220SBL01

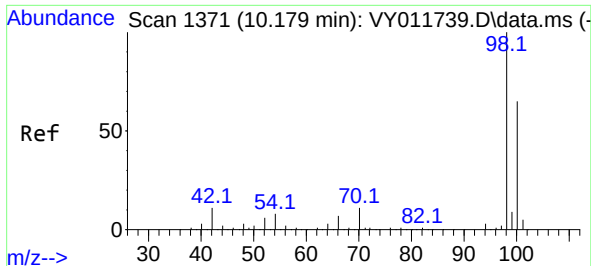
Tgt Ion:113 Resp: 109842  
Ion Ratio Lower Upper  
113 100  
111 102.5 83.0 124.4  
192 20.3 16.0 24.0



#38  
Carbon Tetrachloride  
Concen: 5.450 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.116 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion:117 Resp: 21742  
Ion Ratio Lower Upper  
117 100  
119 5.6 73.8 110.8#  
121 0.0 25.2 37.8#

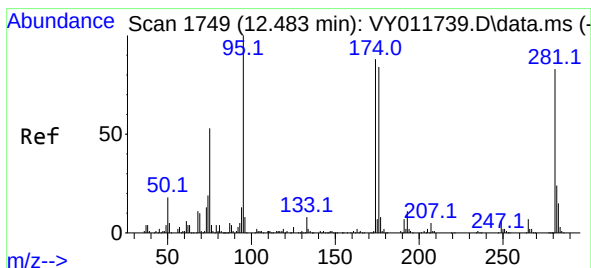
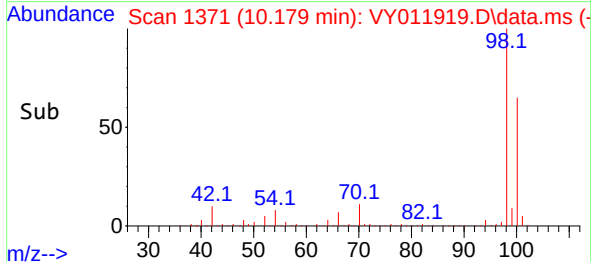
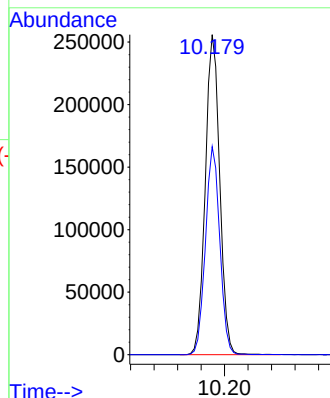
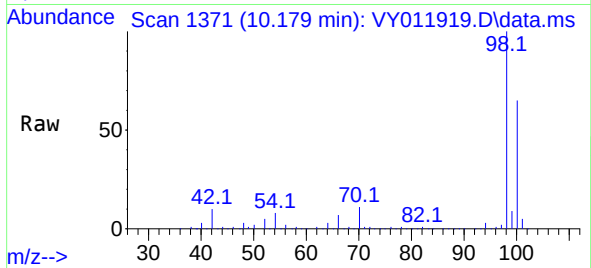




#50  
Toluene-d8  
Concen: 49.810 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

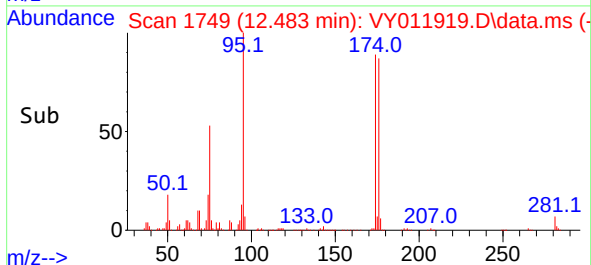
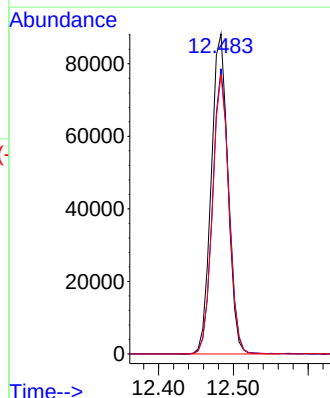
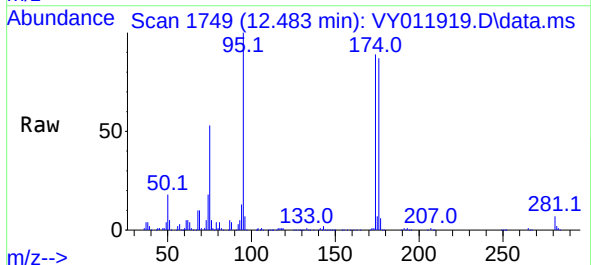
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

Tgt Ion: 98 Resp: 435233  
Ion Ratio Lower Upper  
98 100  
100 64.6 51.9 77.9

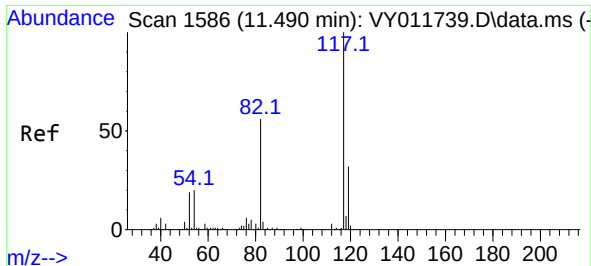


#62  
4-Bromofluorobenzene  
Concen: 46.550 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion: 95 Resp: 136798  
Ion Ratio Lower Upper  
95 100  
174 87.7 0.0 172.0  
176 85.8 0.0 167.6



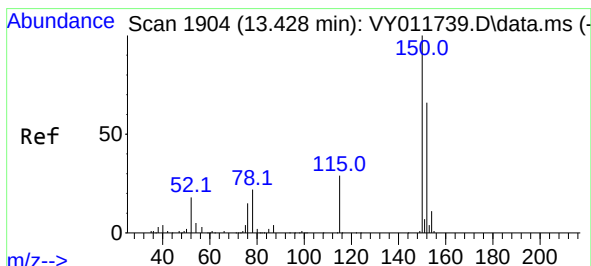
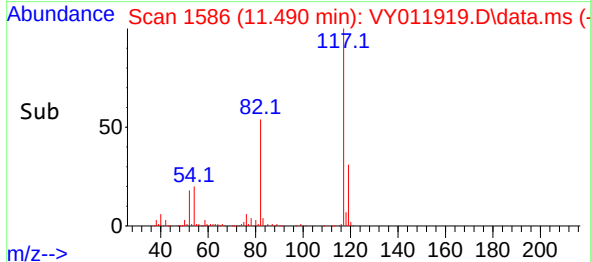
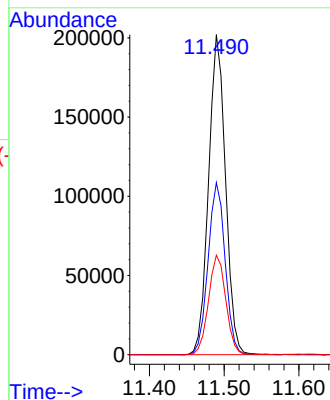
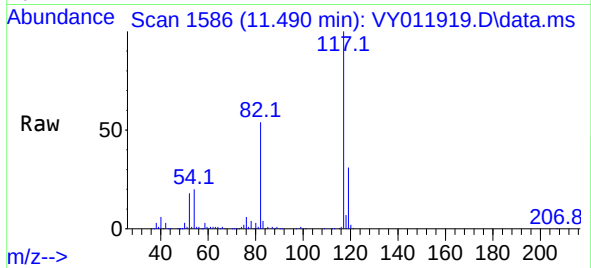




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

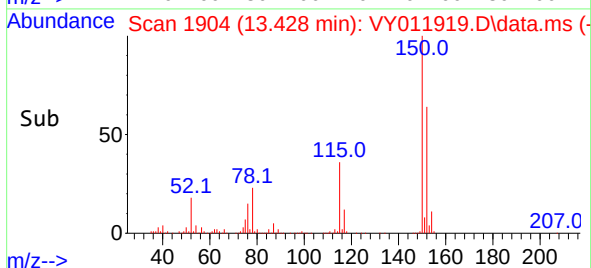
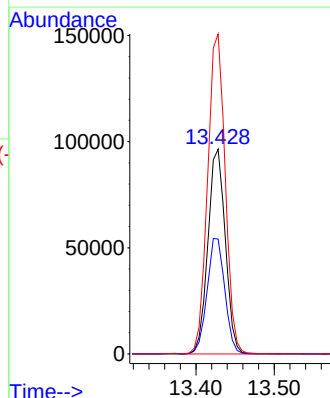
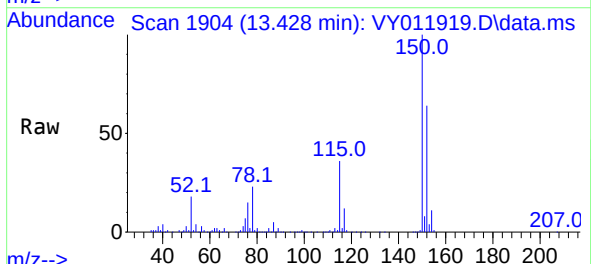
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

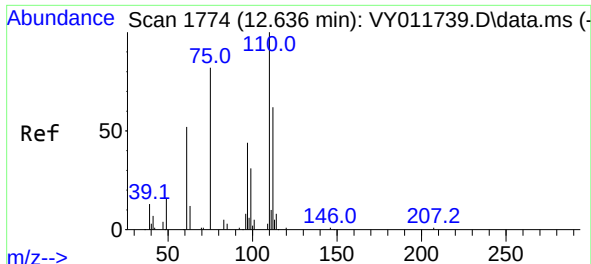
Tgt Ion:117 Resp: 317489  
Ion Ratio Lower Upper  
117 100  
82 53.7 44.8 67.2  
119 31.1 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion:152 Resp: 148694  
Ion Ratio Lower Upper  
152 100  
115 57.5 29.1 87.3  
150 158.0 0.0 342.6

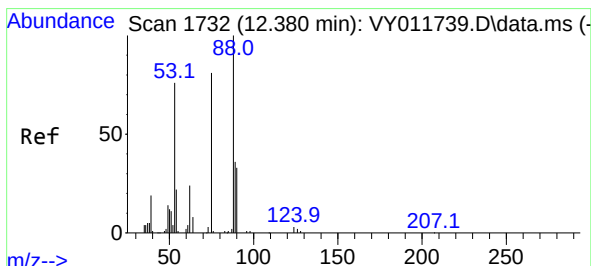
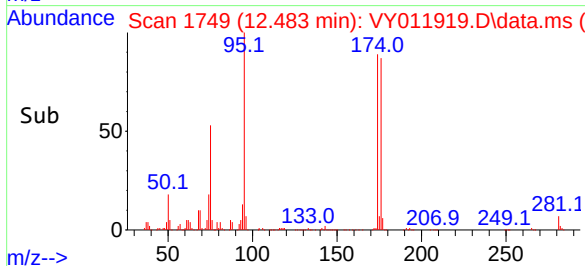
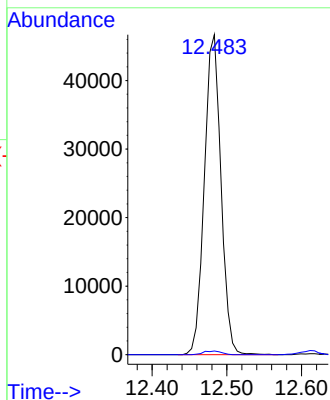
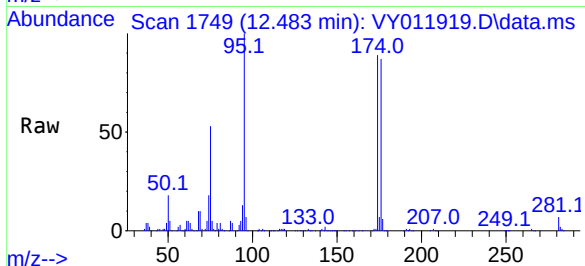




#76  
1,2,3-Trichloropropane  
Concen: 38.890 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

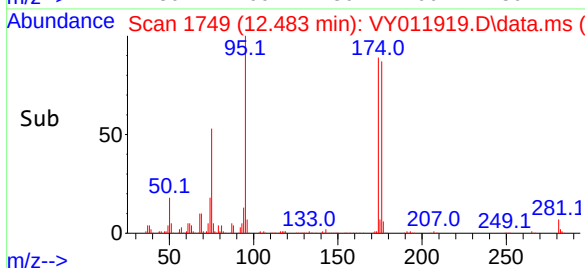
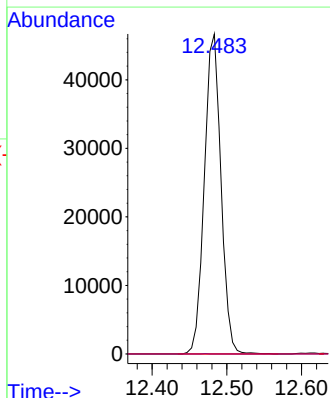
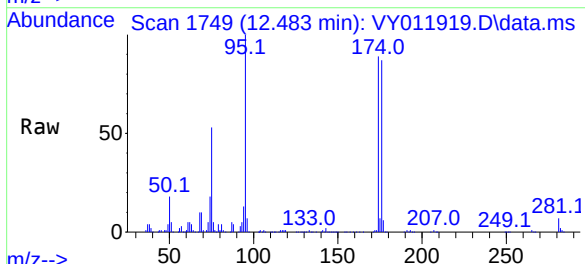
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

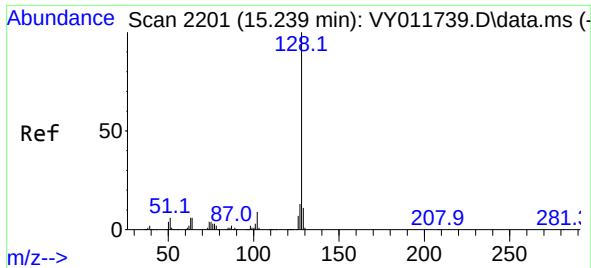
Tgt Ion: 75 Resp: 71957  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 106.501 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Tgt Ion: 75 Resp: 71957  
Ion Ratio Lower Upper  
75 100  
53 0.0 72.5 108.7#  
89 0.0 37.0 55.4#





#95  
Naphthalene  
Concen: 3.228 ug/l  
RT: 15.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VY011919.D  
Acq: 20 Dec 2022 14:05

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1220SBL01

Tgt Ion:128 Resp: 2608  
Ion Ratio Lower Upper  
128 100  
127 11.7 10.2 15.2  
129 9.1 8.8 13.2

