

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013024\  
 Data File : VY017147.D  
 Acq On : 30 Jan 2024 16:36  
 Operator : SY/MD  
 Sample : P1285-01RE  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 31 00:29:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012424S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 25 04:44:10 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 78157    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.704  | 114  | 166747   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.502 | 117  | 170150   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.434 | 152  | 69281    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 38376    | 50.396   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.800% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 41247    | 40.985   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 81.980%  |
| 50) Toluene-d8              | 10.191 | 98    | 151243   | 39.789   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 79.580%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 54299    | 46.371   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 92.740%  |

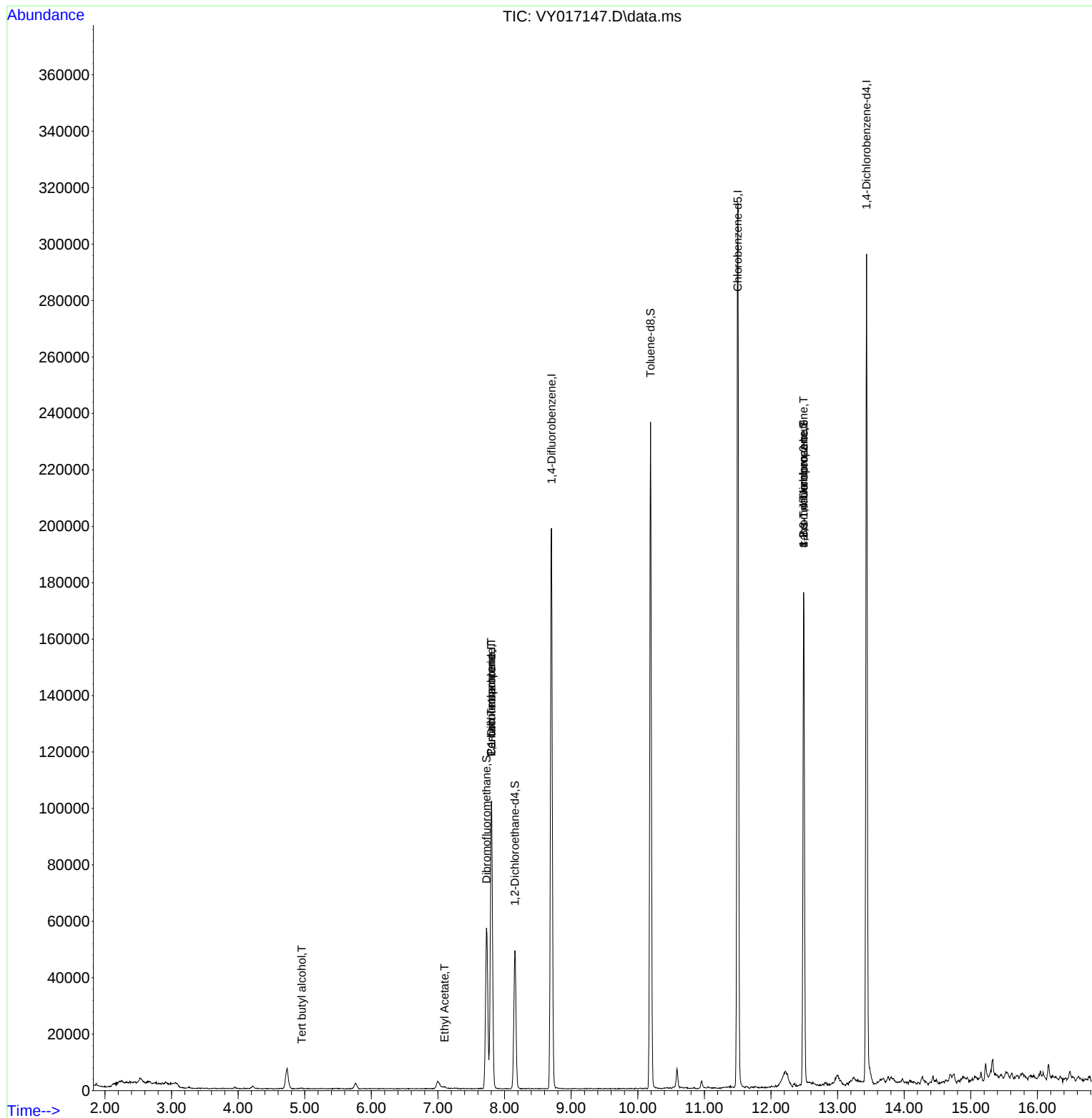
| Target Compounds              | R.T.   | QIon | Response | Conc      | Units  | Qvalue |
|-------------------------------|--------|------|----------|-----------|--------|--------|
| 3) Chloromethane              | 2.125  | 50   | 86       | Below Cal | #      | 41     |
| 4) Vinyl Chloride             | 2.253  | 62   | 53       | Below Cal | #      | 43     |
| 5) Bromomethane               | 2.662  | 94   | 77       | Below Cal |        | 87     |
| 6) Chloroethane               | 2.741  | 64   | 20       | Below Cal | #      | 43     |
| 11) Tert butyl alcohol        | 4.954  | 59   | 152      | 2.611     | ug/l # | 75     |
| 16) Acetone                   | 3.954  | 43   | 618      | Below Cal | #      | 82     |
| 25) 2-Butanone                | 6.990  | 43   | 93       | Below Cal | #      | 48     |
| 31) Cyclohexane               | 7.807  | 56   | 1755     | Below Cal | #      | 29     |
| 36) 1,1-Dichloropropene       | 7.801  | 75   | 6688     | 4.039     | ug/l # | 50     |
| 37) Ethyl Acetate             | 7.100  | 43   | 842      | 1.183     | ug/l # | 72     |
| 38) Carbon Tetrachloride      | 7.801  | 117  | 7660     | 4.721     | ug/l # | 17     |
| 76) 1,2,3-Trichloropropane    | 12.489 | 75   | 29214    | 34.740    | ug/l # | 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.489 | 75   | 29214    | 89.938    | ug/l # | 12     |

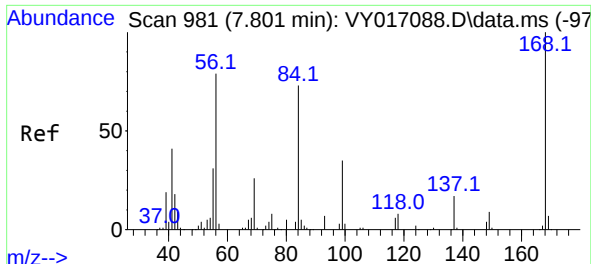
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY013024\  
Data File : VY017147.D  
Acq On : 30 Jan 2024 16:36  
Operator : SY/MD  
Sample : P1285-01RE  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

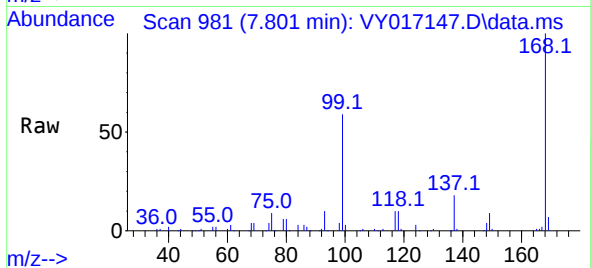
Quant Time: Jan 31 00:29:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012424S.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 25 04:44:10 2024  
Response via : Initial Calibration



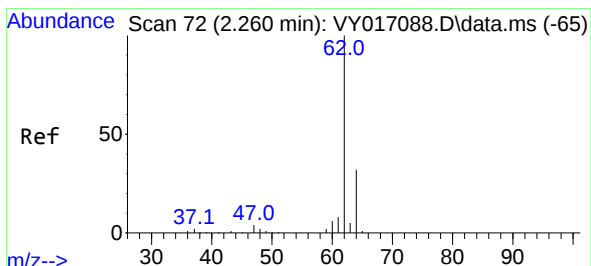
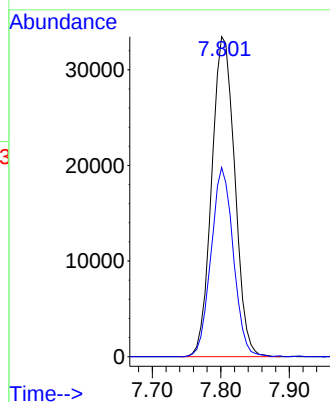
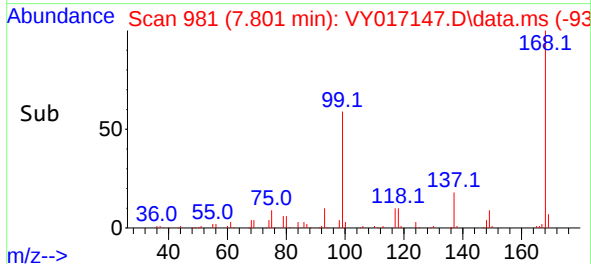


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

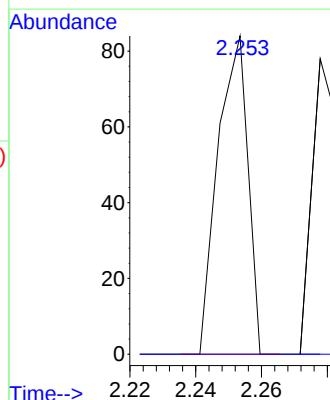
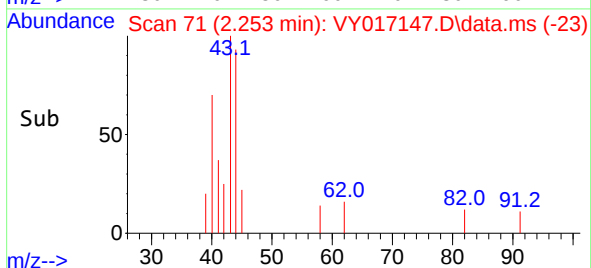
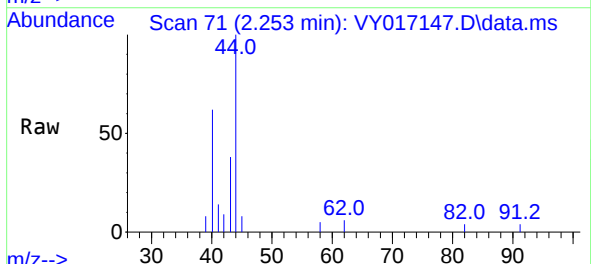


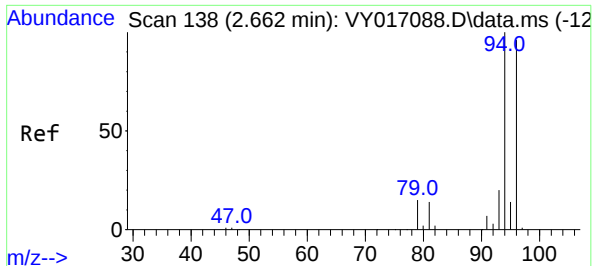
Tgt Ion:168 Resp: 78157  
Ion Ratio Lower Upper  
168 100  
99 59.1 44.2 66.4



#4  
Vinyl Chloride  
Concen: Below Cal  
RT: 2.253 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

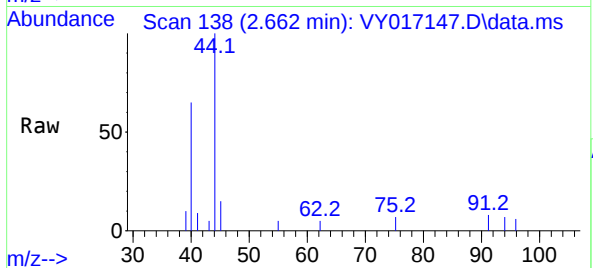
Tgt Ion: 62 Resp: 53  
Ion Ratio Lower Upper  
62 100  
64 0.0 25.7 38.5#



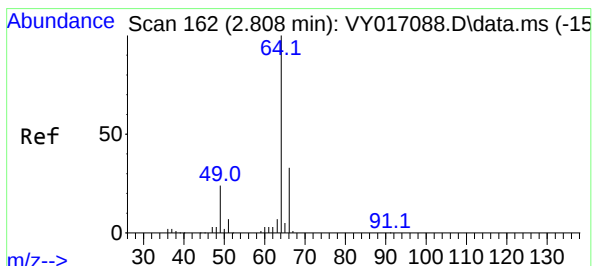
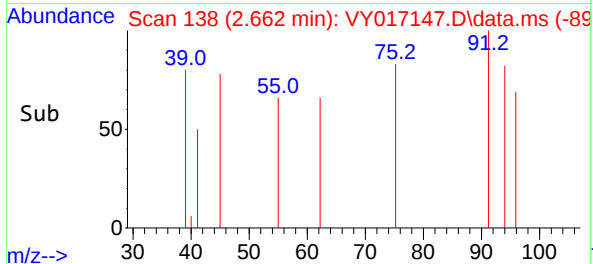
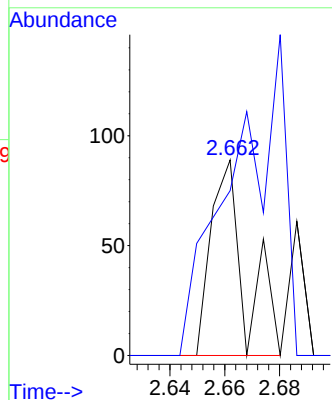


#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 111  
Delta R.T. -0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

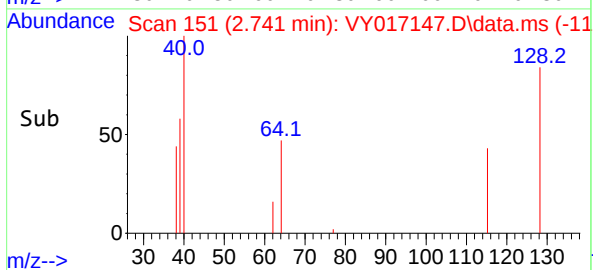
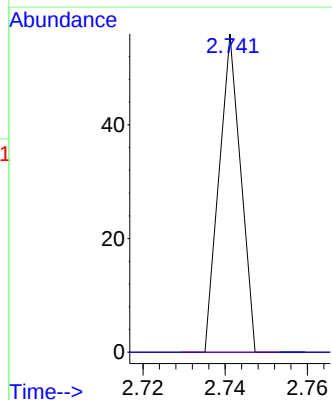
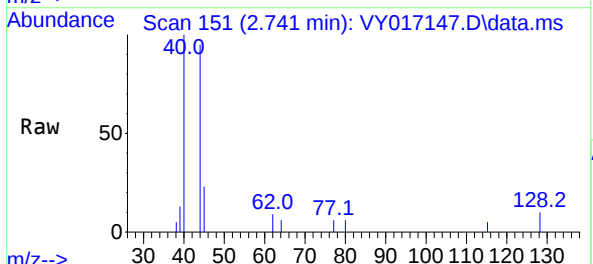


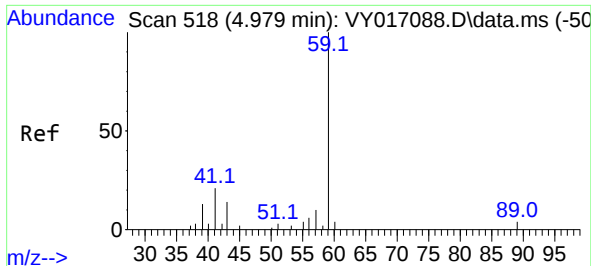
Tgt Ion: 94 Resp: 77  
Ion Ratio Lower Upper  
94 100  
96 84.3 77.3 115.9



#6  
Chloroethane  
Concen: Below Cal  
RT: 2.741 min Scan# 151  
Delta R.T. -0.067 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Tgt Ion: 64 Resp: 20  
Ion Ratio Lower Upper  
64 100  
66 0.0 25.1 37.7#

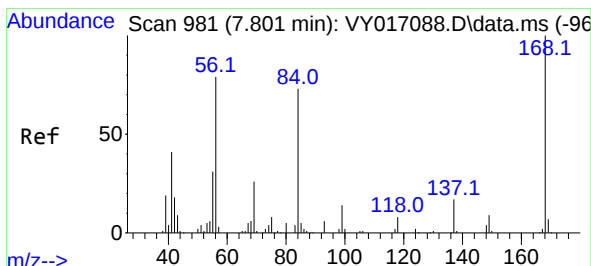
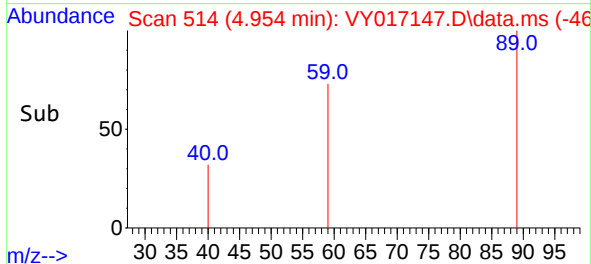
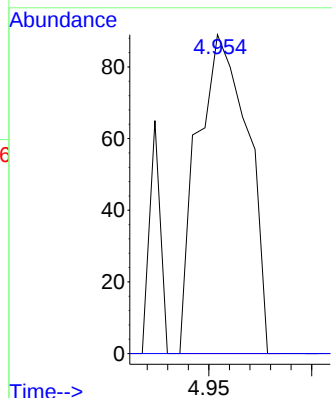
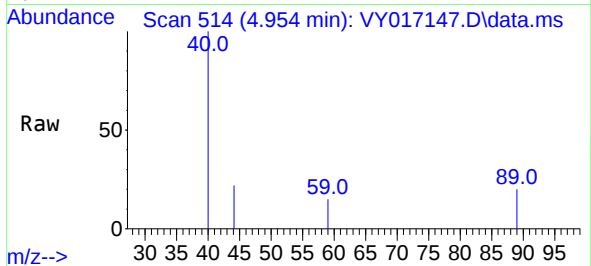




#11  
Tert butyl alcohol  
Concen: 2.611 ug/l  
RT: 4.954 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

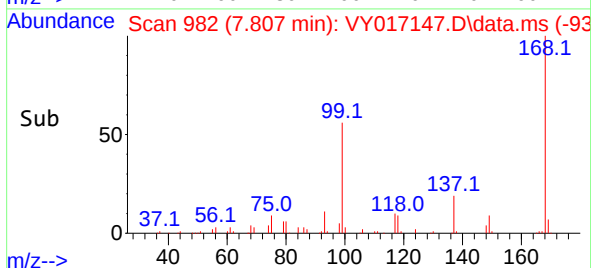
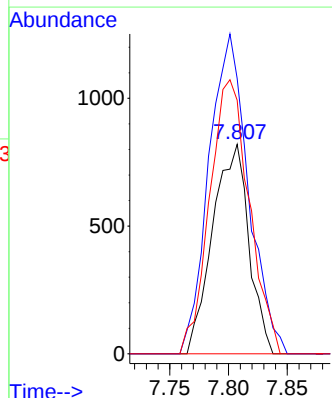
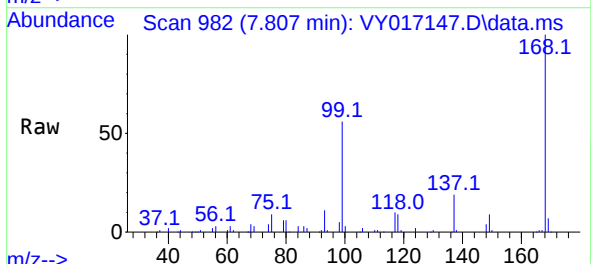
Instrument :  
MSVOA\_Y  
ClientSampleId :

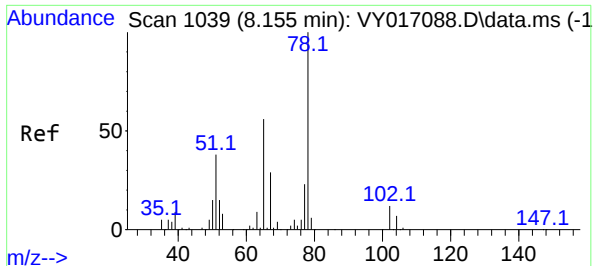
Tgt Ion: 59 Resp: 152  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.807 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Tgt Ion: 56 Resp: 1755  
Ion Ratio Lower Upper  
56 100  
69 131.5 27.0 40.6#  
84 121.1 71.8 107.6#

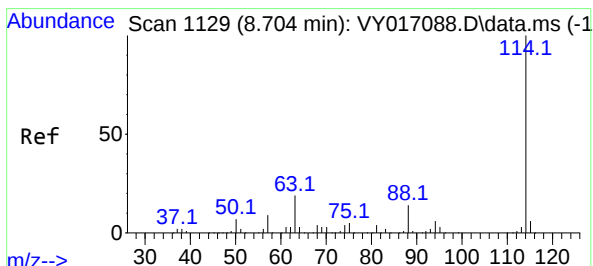
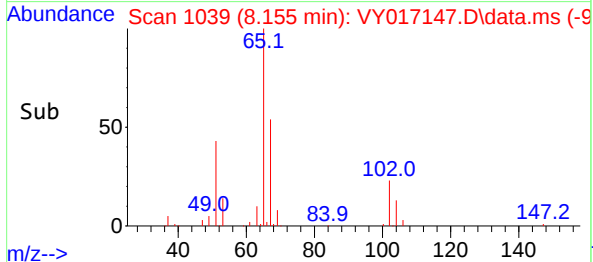
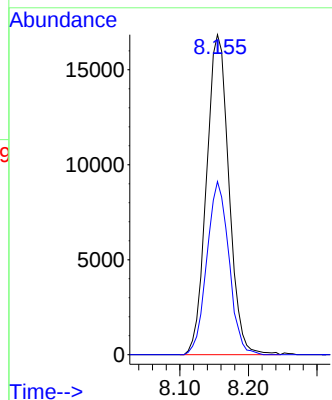
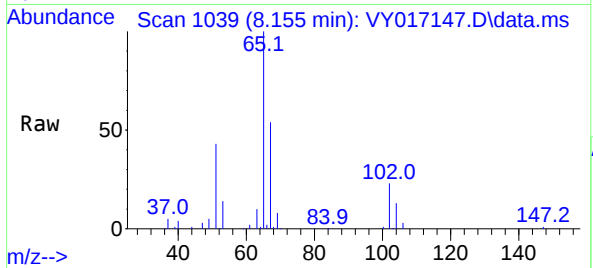




#33  
1,2-Dichloroethane-d4  
Concen: 50.396 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

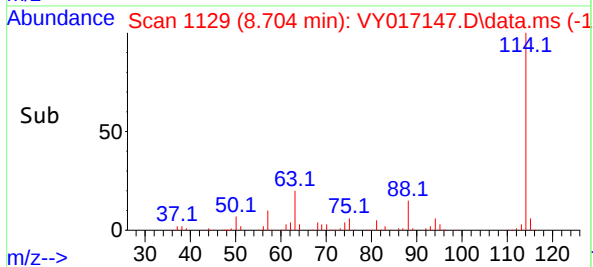
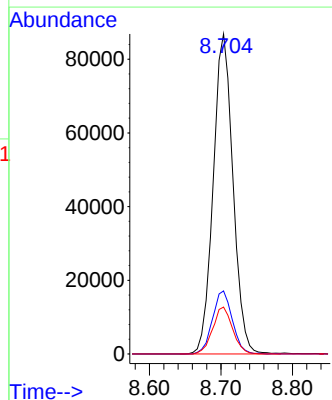
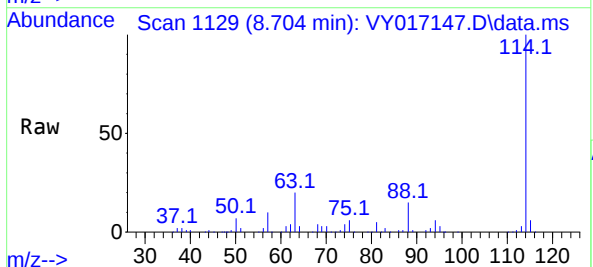
Instrument :  
MSVOA\_Y  
ClientSampleId :

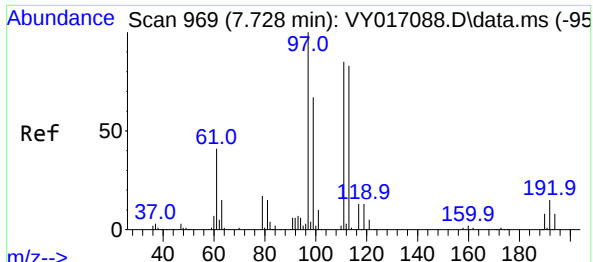
Tgt Ion: 65 Resp: 38376  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 109.0



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.704 min Scan# 1129  
Delta R.T. 0.001 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

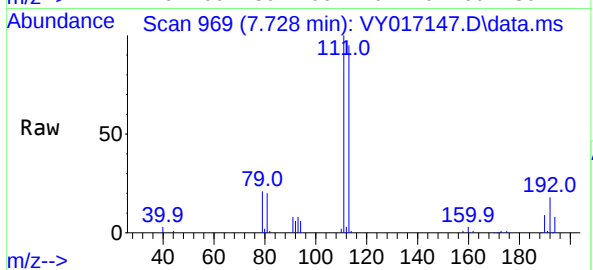
Tgt Ion: 114 Resp: 166747  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 37.4  
88 14.6 0.0 29.0



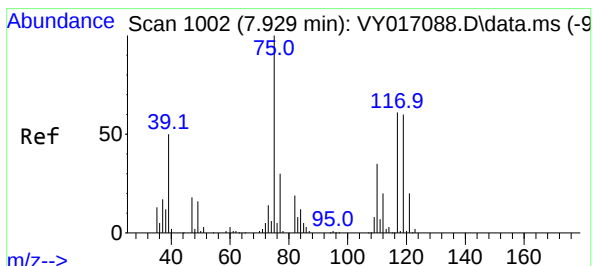
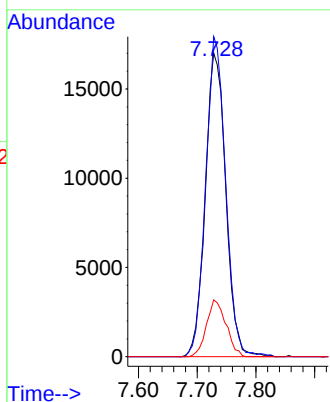
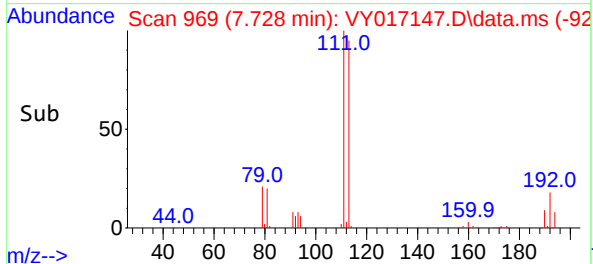


#35  
Dibromofluoromethane  
Concen: 40.985 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

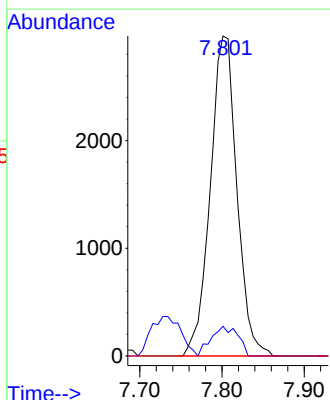
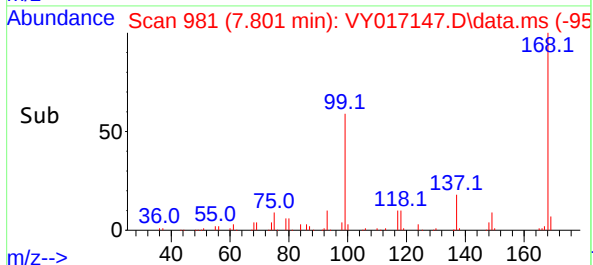
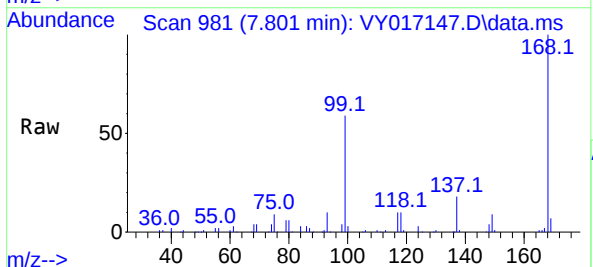


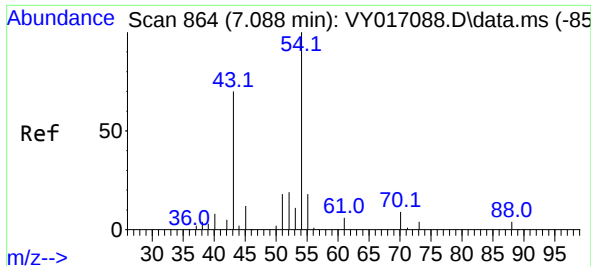
Tgt Ion:113 Resp: 41247  
Ion Ratio Lower Upper  
113 100  
111 102.6 83.8 125.6  
192 17.9 14.5 21.7



#36  
1,1-Dichloropropene  
Concen: 4.039 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.128 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

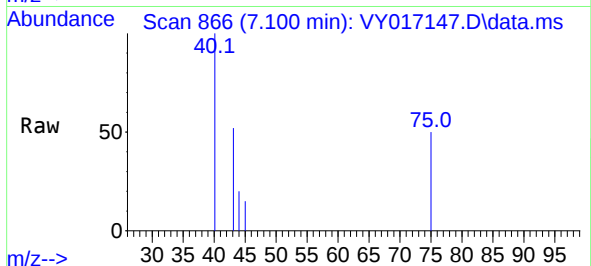
Tgt Ion: 75 Resp: 6688  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.4 52.3#  
77 0.0 24.7 37.1#



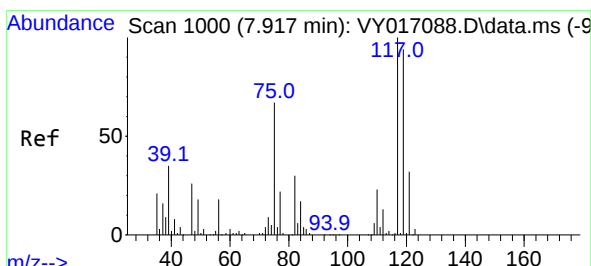
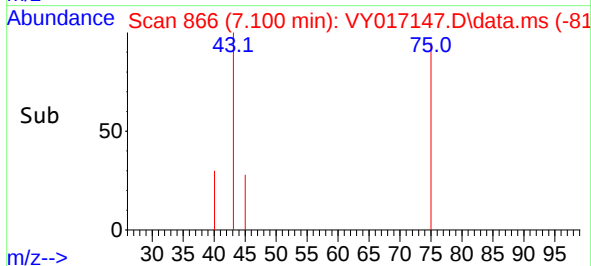
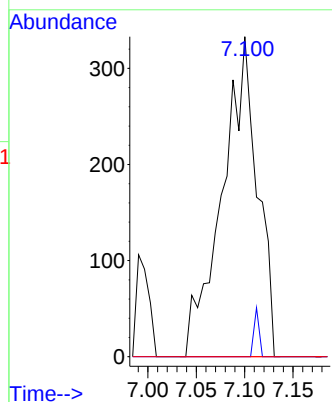


#37  
Ethyl Acetate  
Concen: 1.183 ug/l  
RT: 7.100 min Scan# 80  
Delta R.T. 0.012 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Instrument :  
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ClientSampleId :

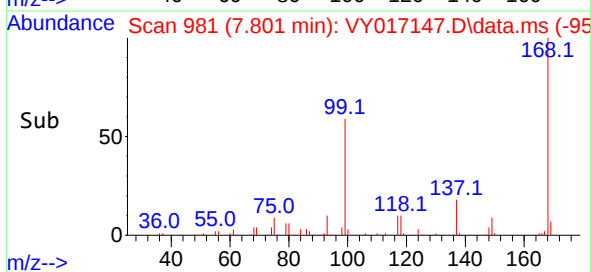
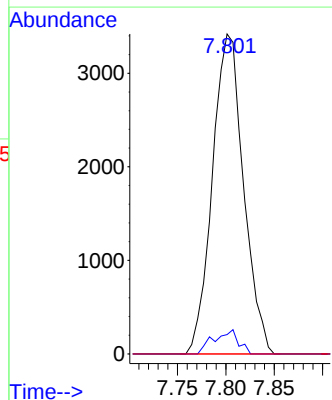
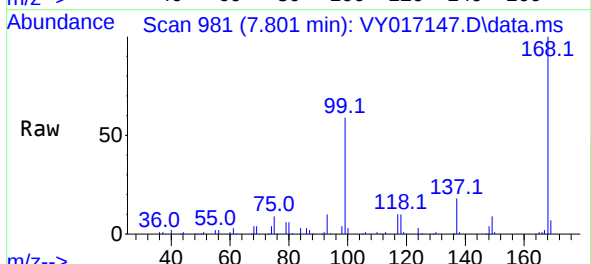


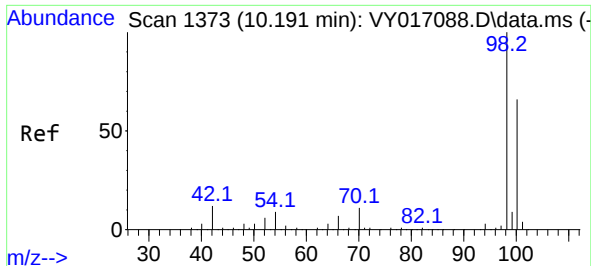
Tgt Ion: 43 Resp: 842  
Ion Ratio Lower Upper  
43 100  
61 2.3 11.0 16.6#  
70 0.0 8.1 12.1#



#38  
Carbon Tetrachloride  
Concen: 4.721 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. -0.116 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Tgt Ion: 117 Resp: 7660  
Ion Ratio Lower Upper  
117 100  
119 6.0 76.0 114.0#  
121 0.0 24.2 36.2#

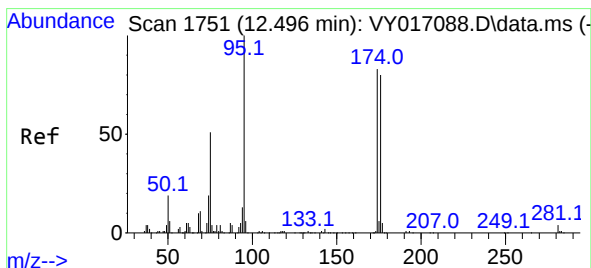
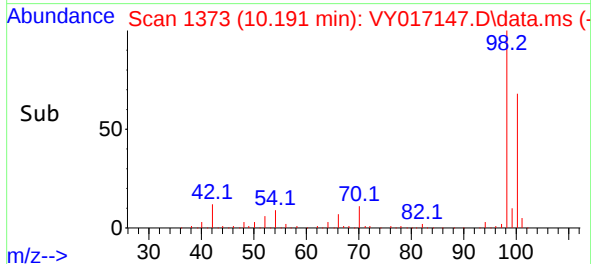
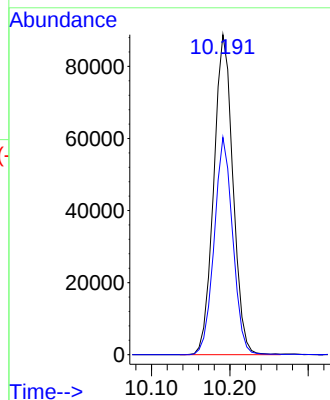
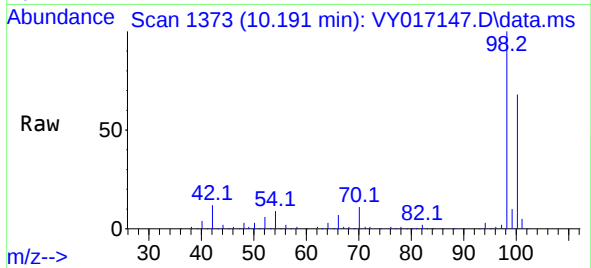




#50  
Toluene-d8  
Concen: 39.789 ug/l  
RT: 10.191 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

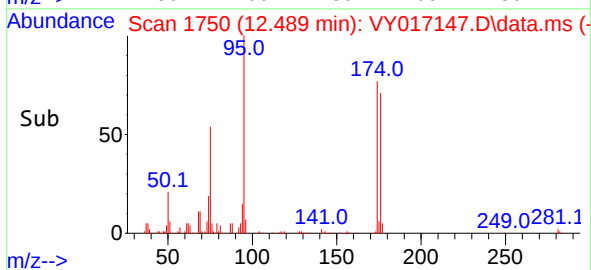
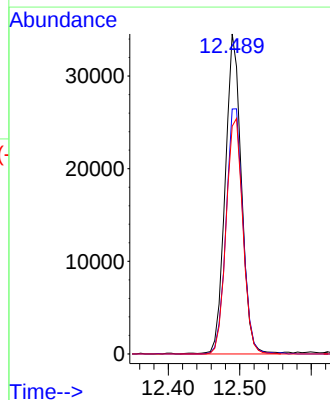
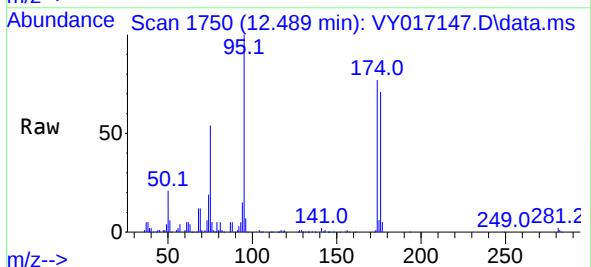
Instrument :  
MSVOA\_Y  
ClientSampleId :

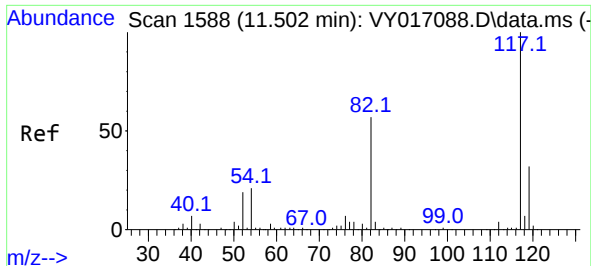
Tgt Ion: 98 Resp: 151243  
Ion Ratio Lower Upper  
98 100  
100 65.5 52.3 78.5



#62  
4-Bromofluorobenzene  
Concen: 46.371 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Tgt Ion: 95 Resp: 54299  
Ion Ratio Lower Upper  
95 100  
174 79.8 0.0 160.0  
176 76.0 0.0 151.8

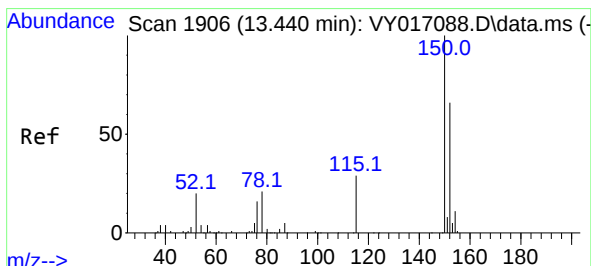
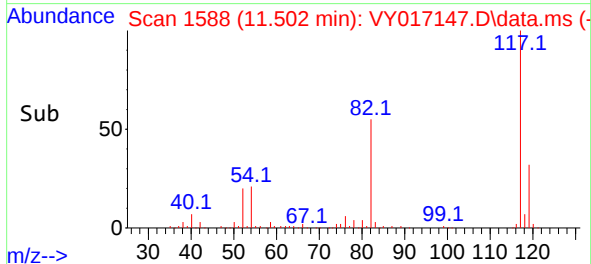
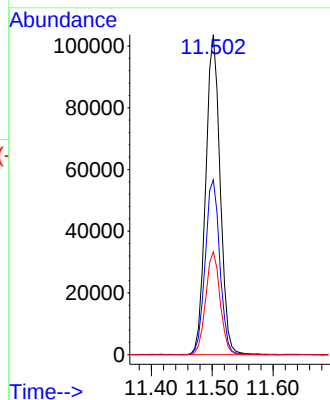
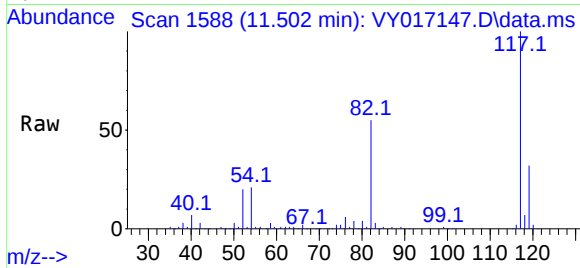




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

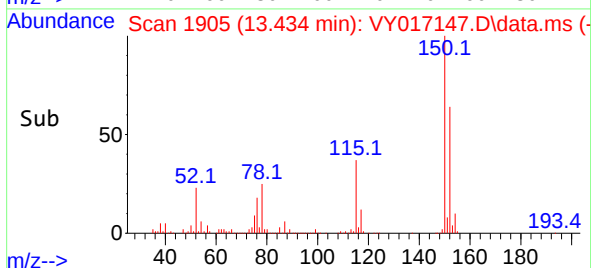
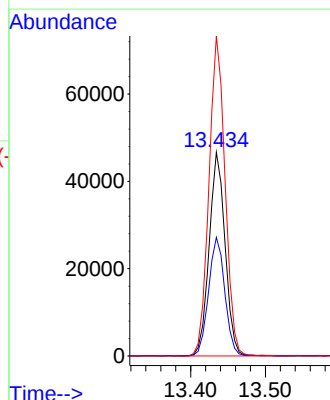
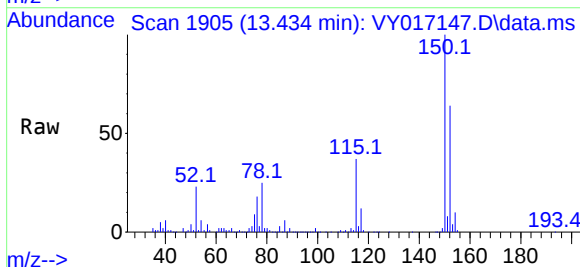
Instrument :  
MSVOA\_Y  
ClientSampleId :

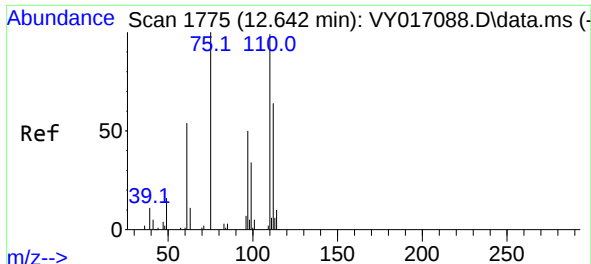
Tgt Ion:117 Resp: 170150  
Ion Ratio Lower Upper  
117 100  
82 54.7 43.8 65.8  
119 32.1 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. 0.000 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Tgt Ion:152 Resp: 69281  
Ion Ratio Lower Upper  
152 100  
115 59.6 30.0 90.0  
150 158.7 0.0 344.6

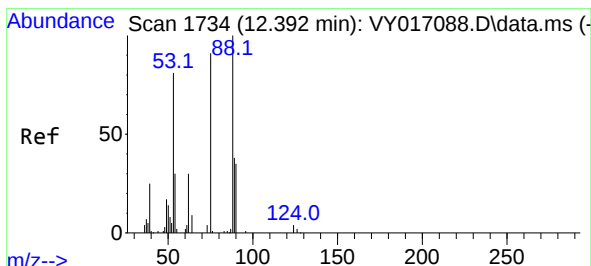
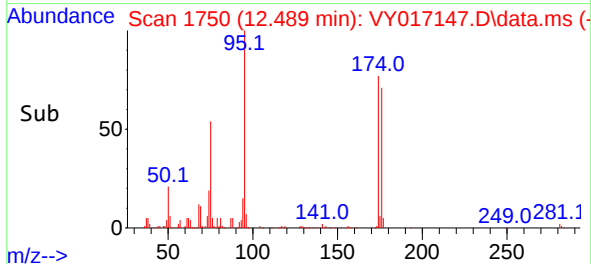
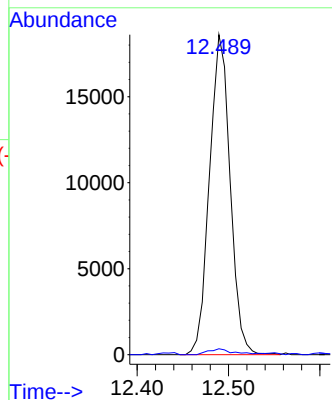
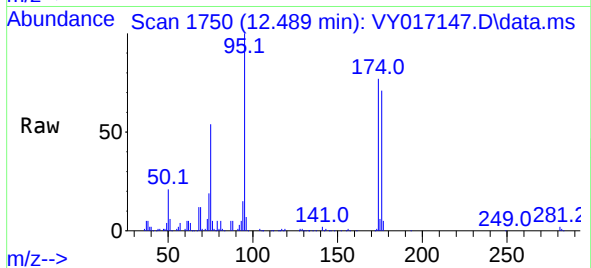




#76  
1,2,3-Trichloropropane  
Concen: 34.740 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. -0.153 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 29214  
Ion Ratio Lower Upper  
75 100  
77 2.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 89.938 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.104 min  
Lab File: VY017147.D  
Acq: 30 Jan 2024 16:36

Tgt Ion: 75 Resp: 29214  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#

