

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112024\  
 Data File : VY020360.D  
 Acq On : 20 Nov 2024 15:27  
 Operator : SY/MD  
 Sample : P4908-03  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 21 00:48:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 79289    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 154211   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 151049   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 59083    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 61170    | 67.151   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 134.300% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 52177    | 52.766   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.540% |
| 50) Toluene-d8              | 10.103 | 98    | 191427   | 49.143   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.280%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 67768    | 54.119   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =    | 108.240% |

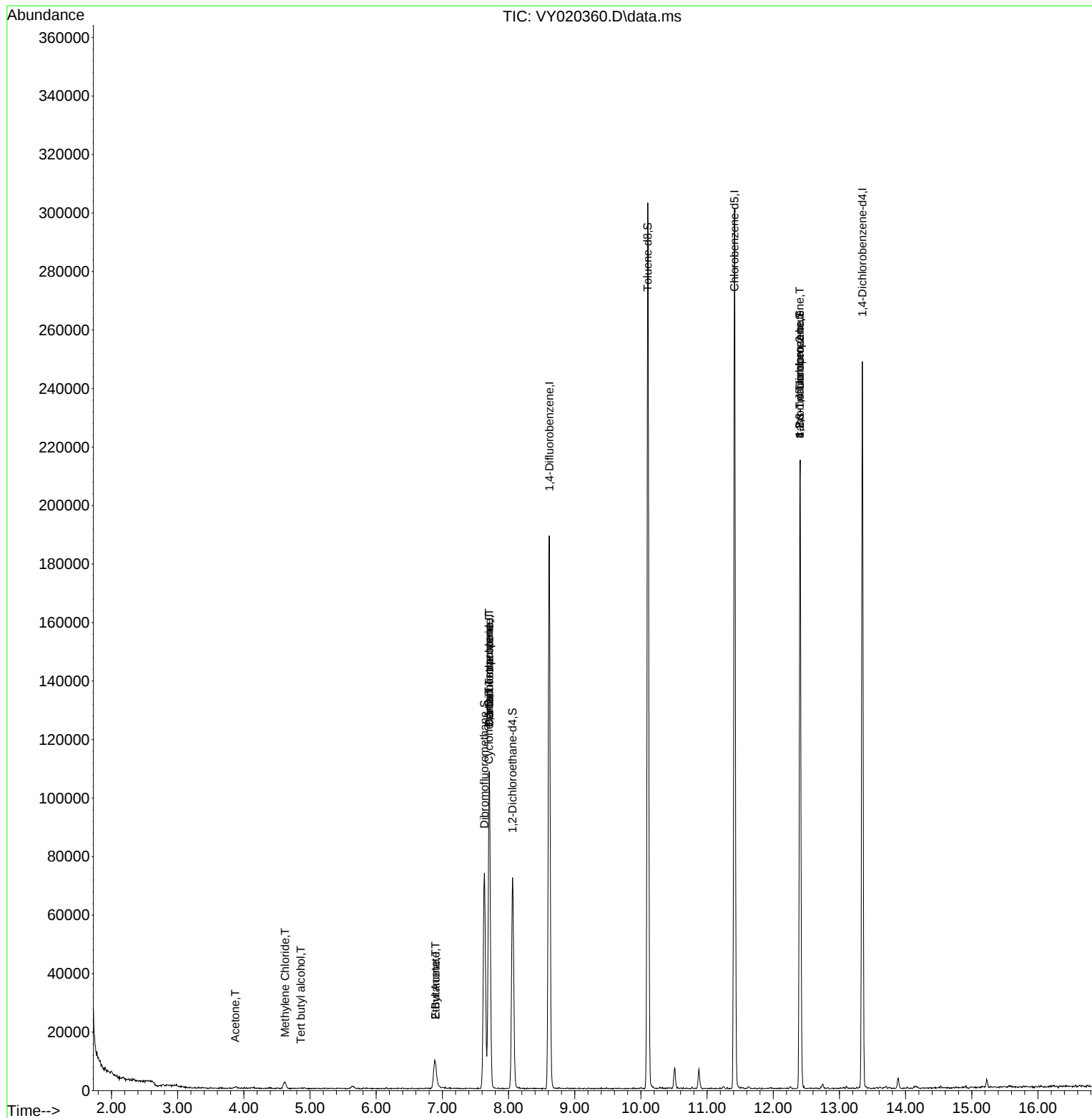
| Target Compounds              |        |     |       |         | Qvalue |     |
|-------------------------------|--------|-----|-------|---------|--------|-----|
| 11) Tert butyl alcohol        | 4.860  | 59  | 184   | 1.929   | ug/l # | 73  |
| 16) Acetone                   | 3.872  | 43  | 1061  | 4.859   | ug/l # | 82  |
| 20) Methylene Chloride        | 4.622  | 84  | 1645  | 1.779   | ug/l # | 80  |
| 25) 2-Butanone                | 6.896  | 43  | 700   | 2.490   | ug/l # | 50  |
| 31) Cyclohexane               | 7.701  | 56  | 1758  | 1.035   | ug/l # | 1   |
| 36) 1,1-Dichloropropene       | 7.707  | 75  | 6692  | 4.431   | ug/l # | 53  |
| 37) Ethyl Acetate             | 6.896  | 43  | 700   | 1.012   | ug/l # | 8   |
| 38) Carbon Tetrachloride      | 7.707  | 117 | 8619  | 5.466   | ug/l # | 16  |
| 76) 1,2,3-Trichloropropane    | 12.401 | 75  | 36433 | 65.424  | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.401 | 75  | 36433 | 128.195 | ug/l # | 9   |

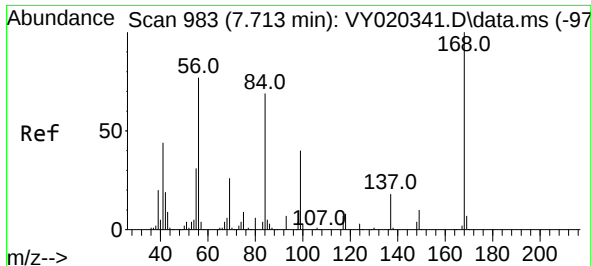
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112024\  
Data File : VY020360.D  
Acq On : 20 Nov 2024 15:27  
Operator : SY/MD  
Sample : P4908-03  
Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 21 00:48:56 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

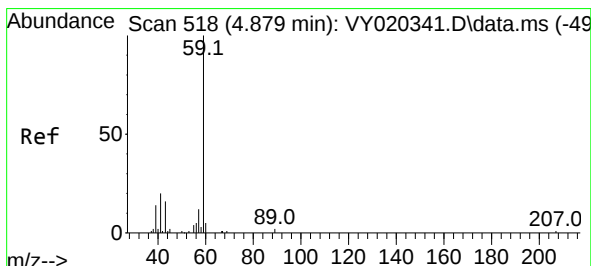
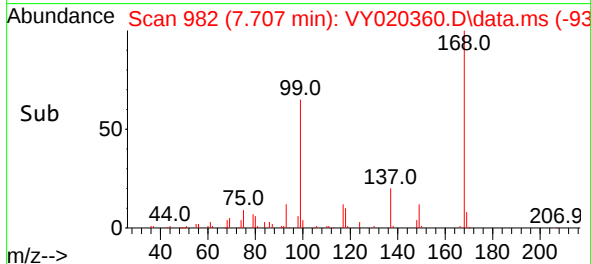
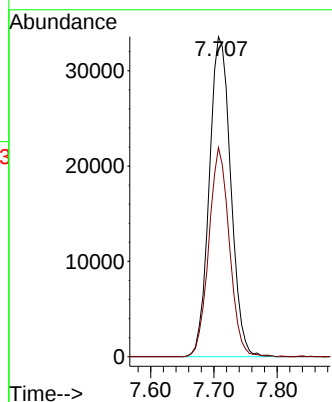
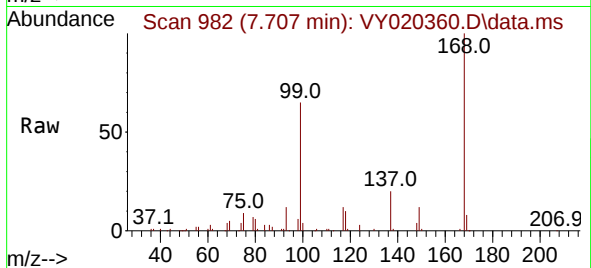




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

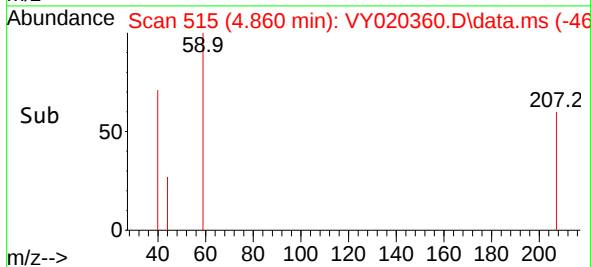
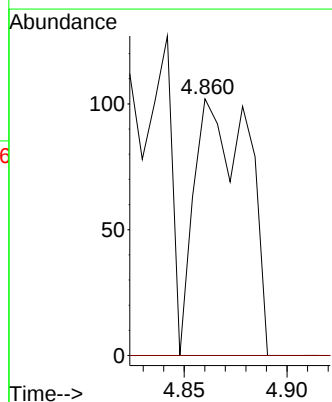
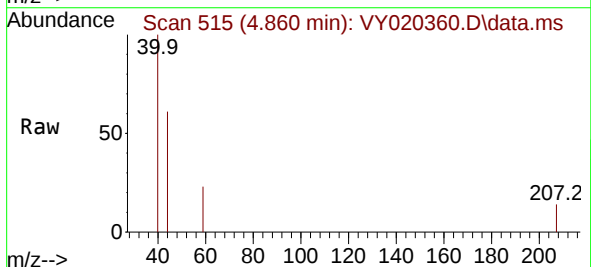
Instrument :  
MSVOA\_Y  
ClientSampleId :

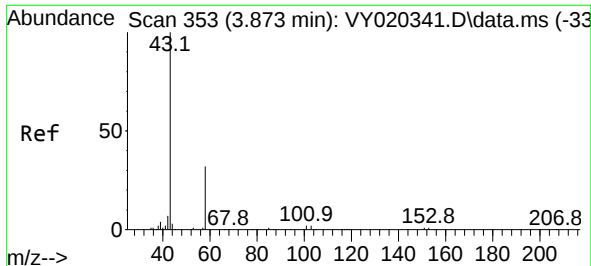
Tgt Ion:168 Resp: 79289  
Ion Ratio Lower Upper  
168 100  
99 65.4 46.6 69.8



#11  
Tert butyl alcohol  
Concen: 1.929 ug/l  
RT: 4.860 min Scan# 515  
Delta R.T. -0.018 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

Tgt Ion: 59 Resp: 184  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.2 12.2#

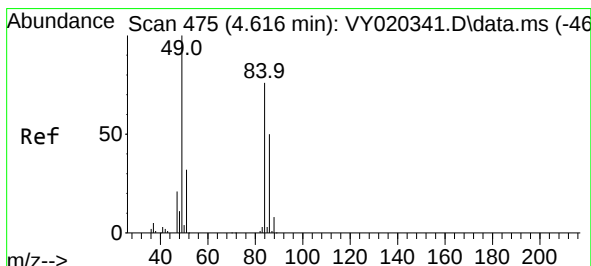
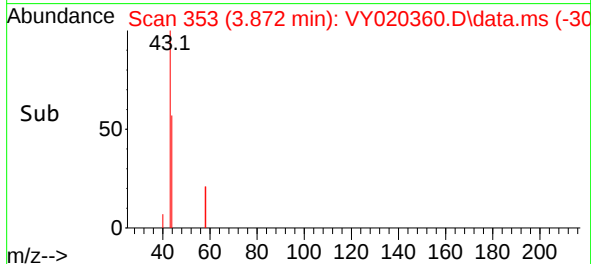
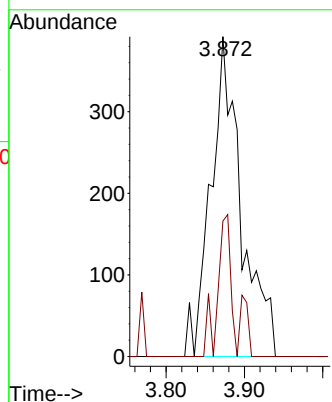
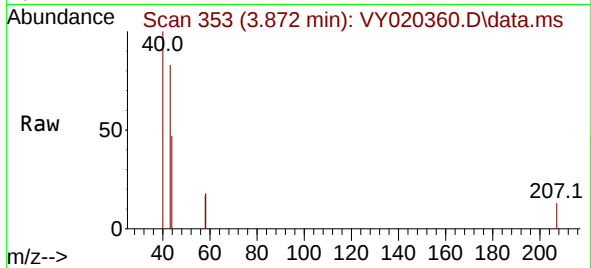




#16  
Acetone  
Concen: 4.859 ug/l  
RT: 3.872 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

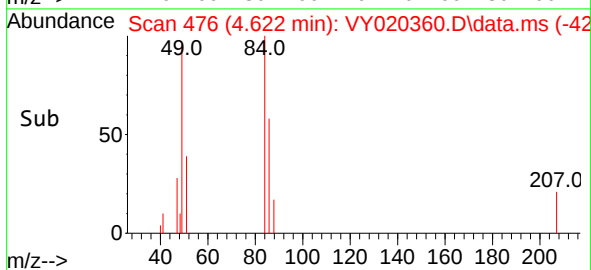
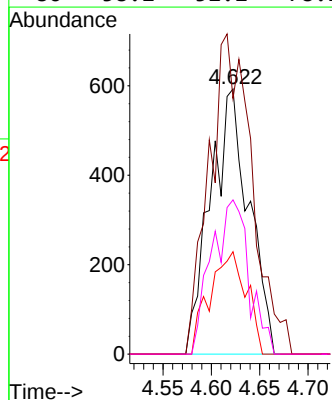
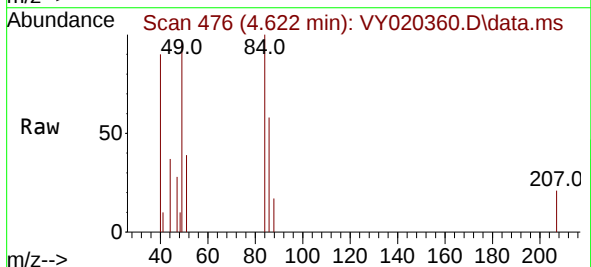
Instrument :  
MSVOA\_Y  
ClientSampleId :

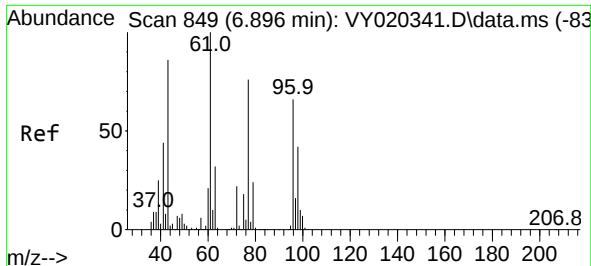
Tgt Ion: 43 Resp: 1061  
Ion Ratio Lower Upper  
43 100  
58 42.3 25.7 38.5#



#20  
Methylene Chloride  
Concen: 1.779 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

Tgt Ion: 84 Resp: 1645  
Ion Ratio Lower Upper  
84 100  
49 96.5 104.7 157.1#  
51 38.6 33.4 50.0  
86 58.2 52.2 78.2





#25

2-Butanone

Concen: 2.490 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

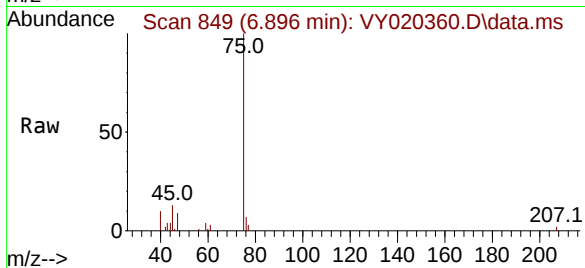
Lab File: VY020360.D

Acq: 20 Nov 2024 15:27

Instrument :

MSVOA\_Y

ClientSampleId :

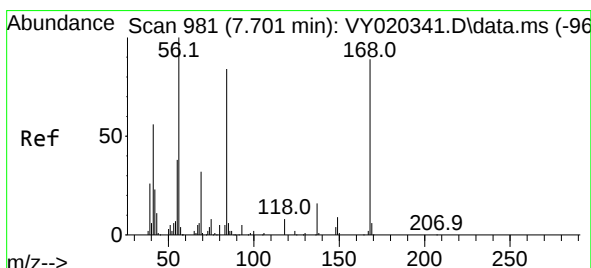
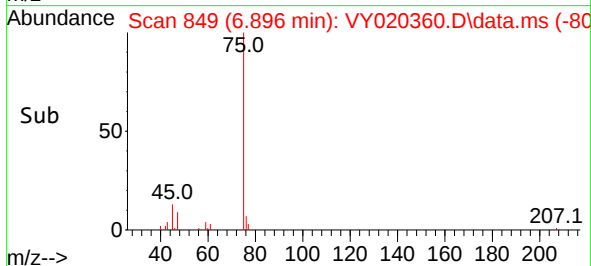
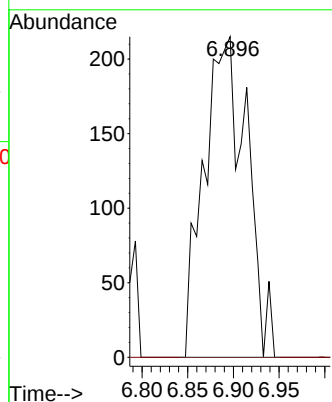


Tgt Ion: 43 Resp: 700

Ion Ratio Lower Upper

43 100

72 0.0 20.4 30.6#



#31

Cyclohexane

Concen: 1.035 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY020360.D

Acq: 20 Nov 2024 15:27

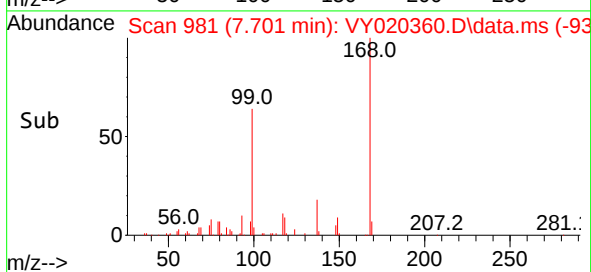
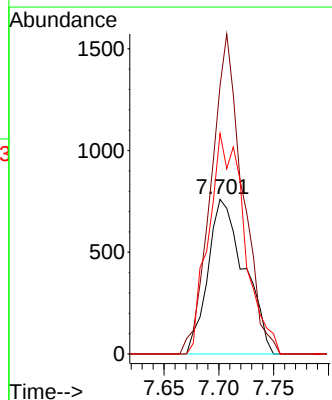
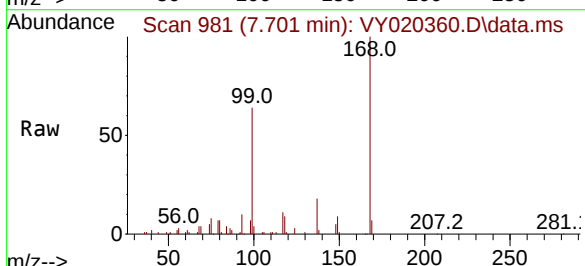
Tgt Ion: 56 Resp: 1758

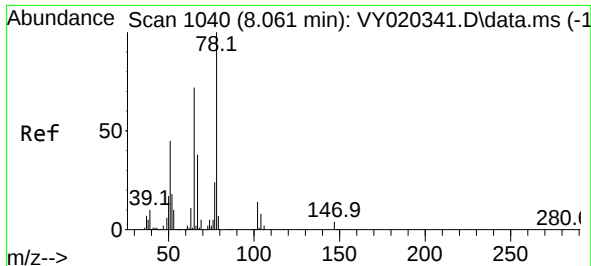
Ion Ratio Lower Upper

56 100

69 173.4 25.3 37.9#

84 151.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 67.151 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY020360.D

Acq: 20 Nov 2024 15:27

Instrument :

MSVOA\_Y

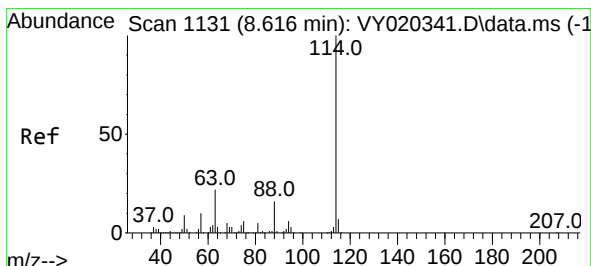
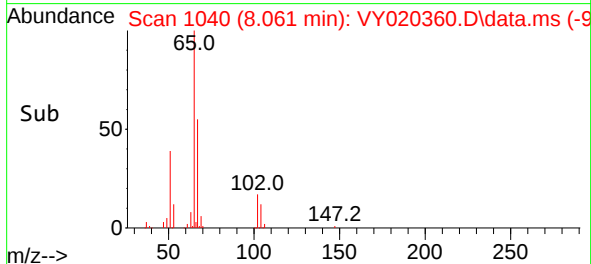
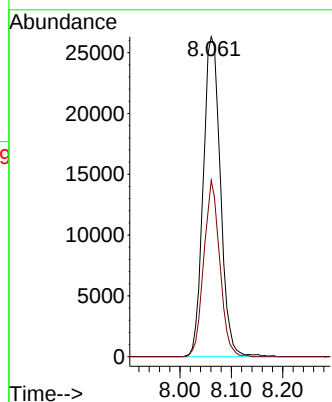
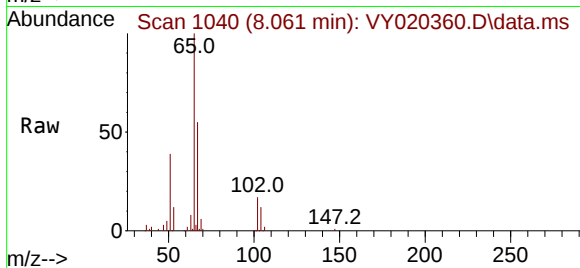
ClientSampleId :

Tgt Ion: 65 Resp: 61170

Ion Ratio Lower Upper

65 100

67 51.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY020360.D

Acq: 20 Nov 2024 15:27

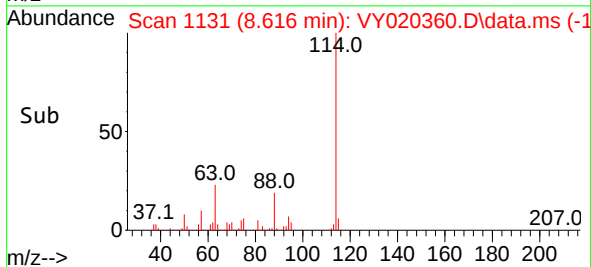
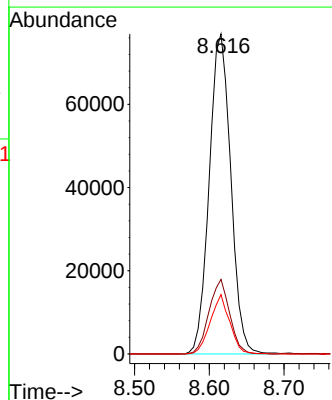
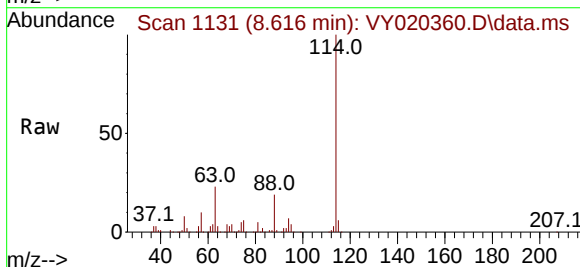
Tgt Ion: 114 Resp: 154211

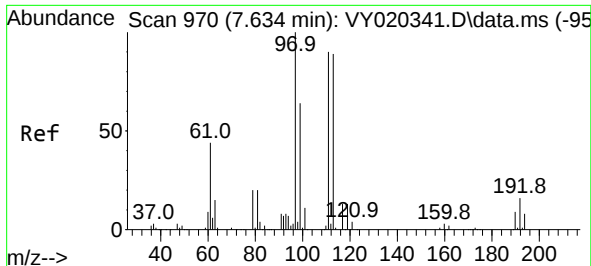
Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.8

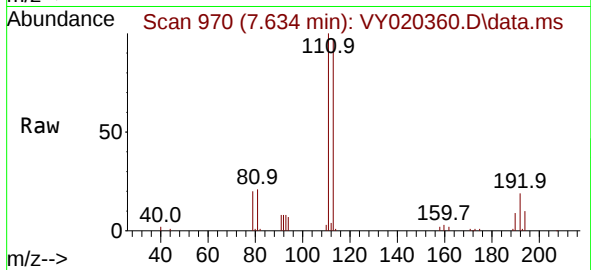
88 18.5 0.0 32.0



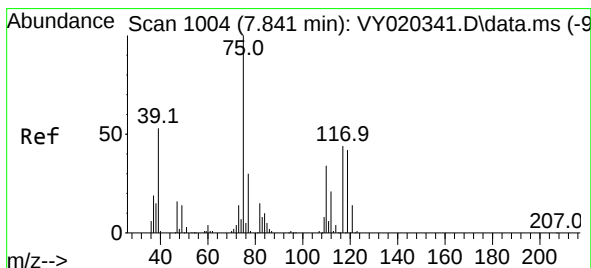
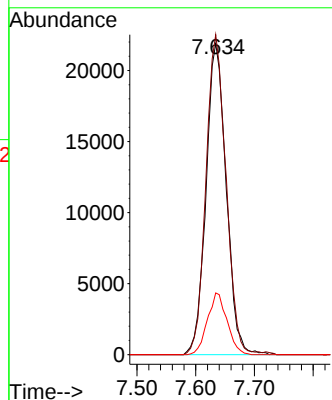
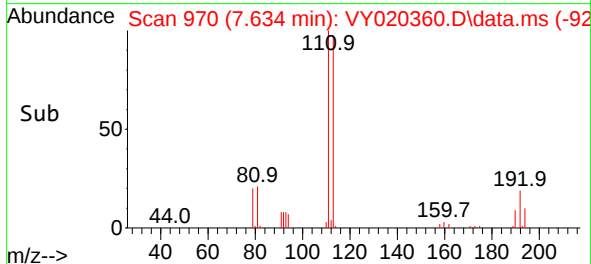


#35  
Dibromofluoromethane  
Concen: 52.766 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

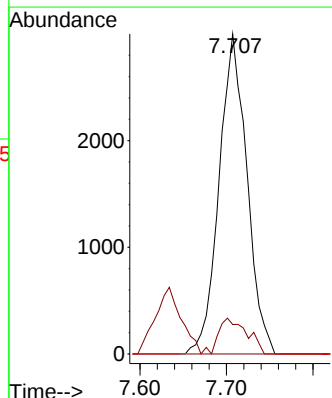
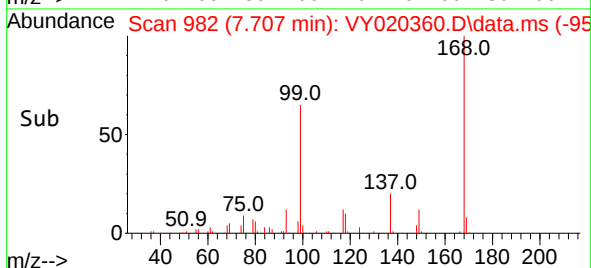
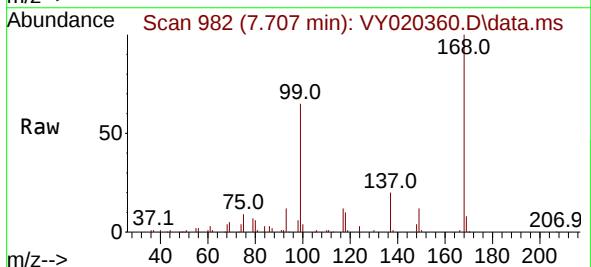


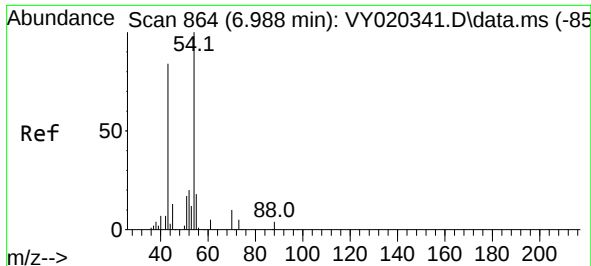
Tgt Ion:113 Resp: 52177  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.4 122.0  
192 19.3 15.1 22.7



#36  
1,1-Dichloropropene  
Concen: 4.431 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.134 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

Tgt Ion: 75 Resp: 6692  
Ion Ratio Lower Upper  
75 100  
110 11.1 16.7 50.0#  
77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 1.012 ug/l

RT: 6.896 min Scan# 84

Delta R.T. -0.092 min

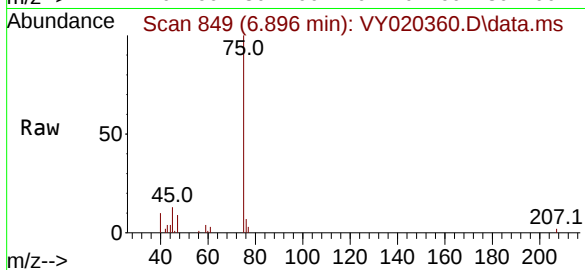
Lab File: VY020360.D

Acq: 20 Nov 2024 15:27

Instrument :

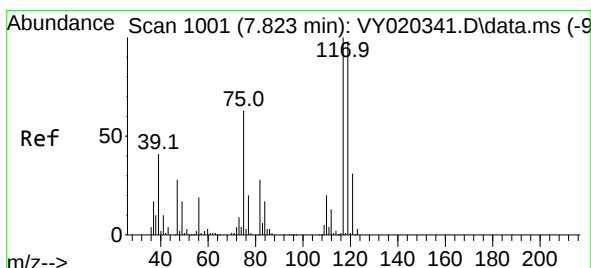
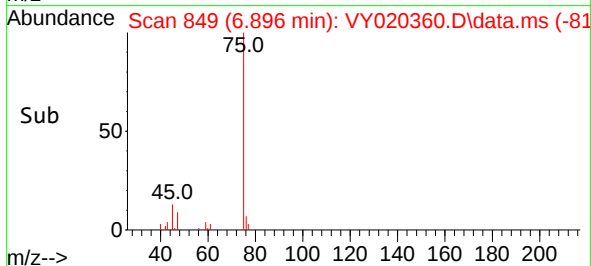
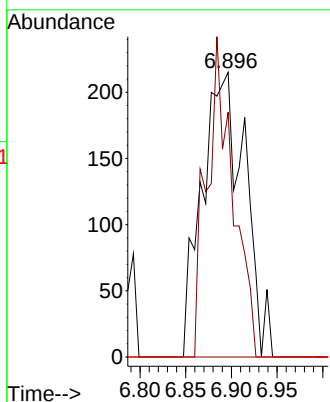
MSVOA\_Y

ClientSampleId :



Tgt Ion: 43 Resp: 700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 68.4  | 10.7  | 16.1# |
| 70  | 0.0   | 7.3   | 10.9# |



#38

Carbon Tetrachloride

Concen: 5.466 ug/l

RT: 7.707 min Scan# 982

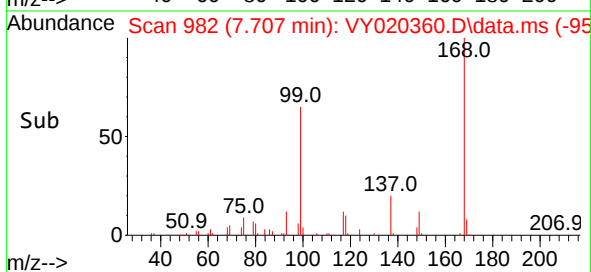
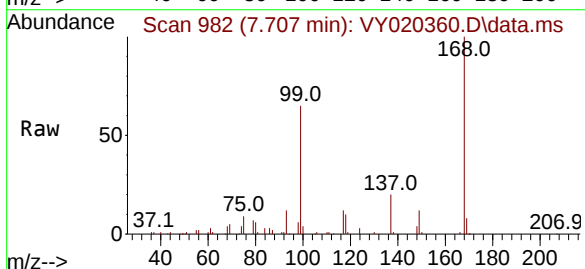
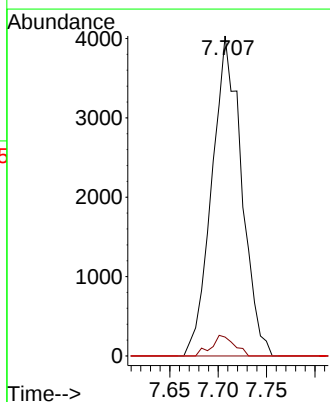
Delta R.T. -0.116 min

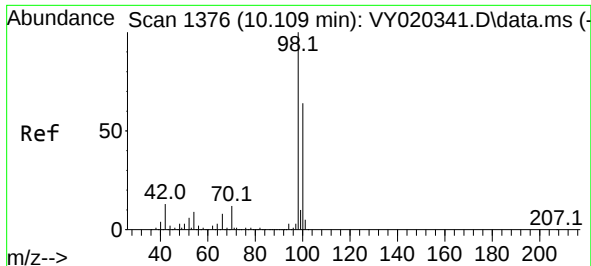
Lab File: VY020360.D

Acq: 20 Nov 2024 15:27

Tgt Ion: 117 Resp: 8619

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 117 | 100   |       |        |
| 119 | 5.9   | 77.8  | 116.6# |
| 121 | 0.0   | 24.6  | 37.0#  |

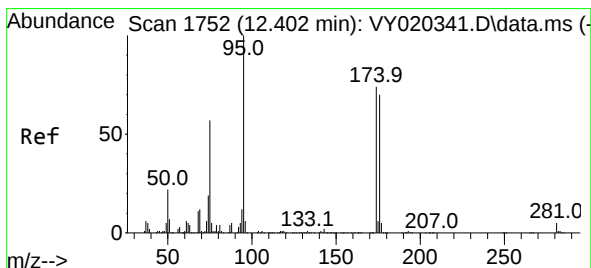
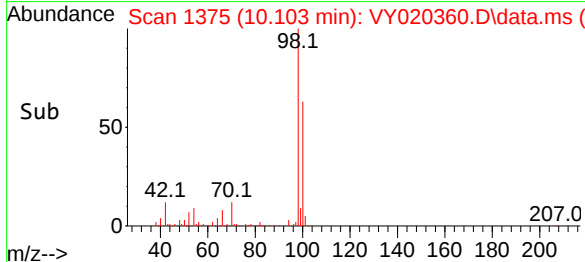
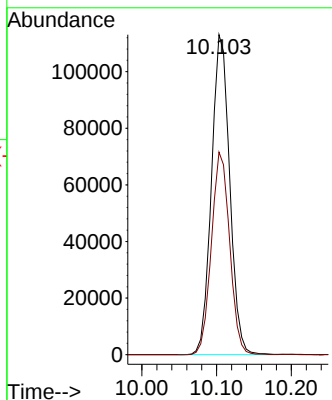
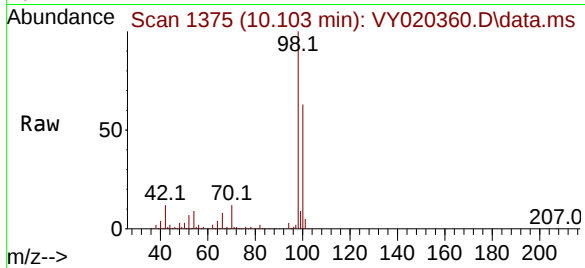




#50  
Toluene-d8  
Concen: 49.143 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

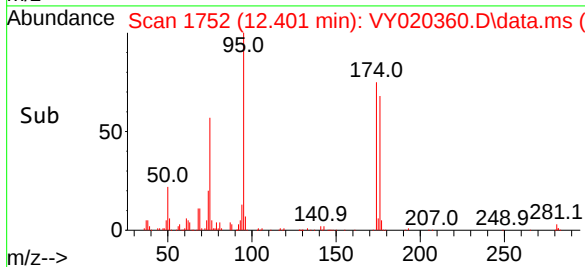
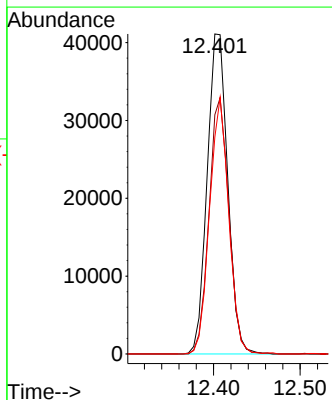
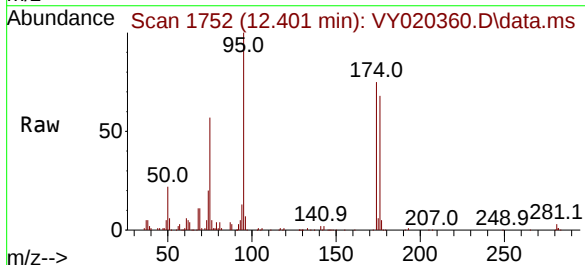
Instrument :  
MSVOA\_Y  
ClientSampleId :

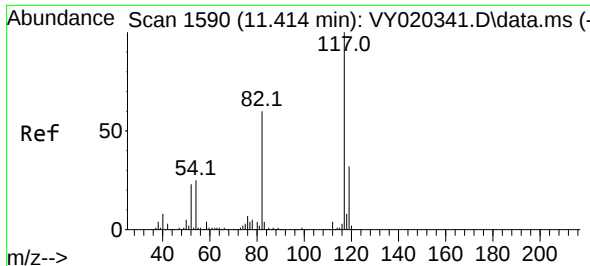
Tgt Ion: 98 Resp: 191427  
Ion Ratio Lower Upper  
98 100  
100 63.4 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 54.119 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.000 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

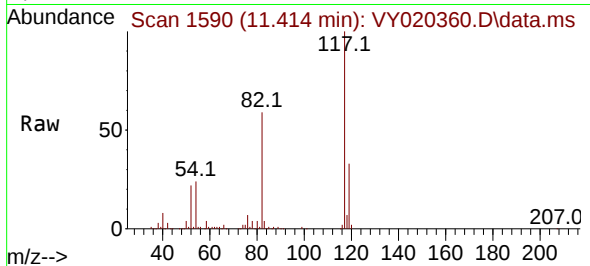
Tgt Ion: 95 Resp: 67768  
Ion Ratio Lower Upper  
95 100  
174 77.5 0.0 156.8  
176 74.6 0.0 152.0



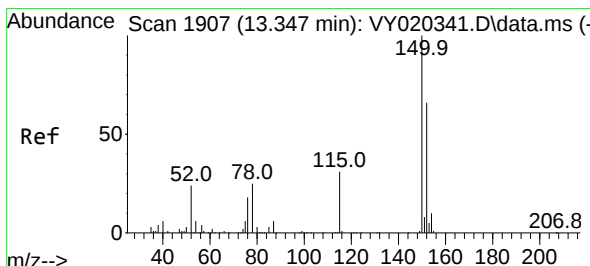
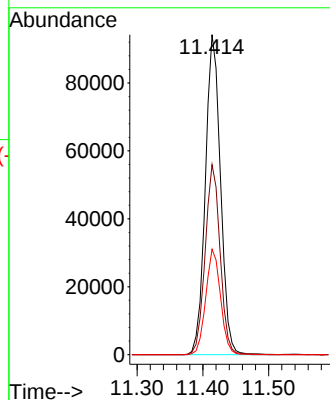
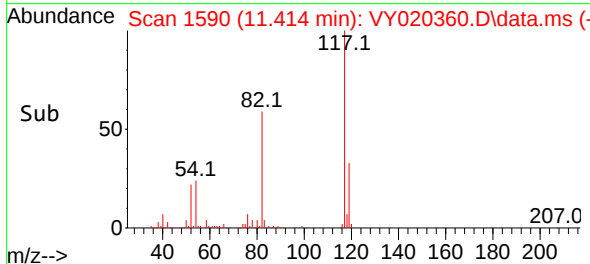


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

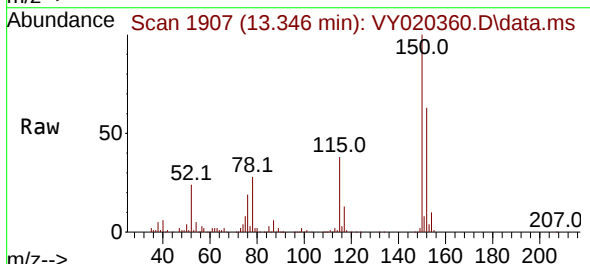
Instrument :  
MSVOA\_Y  
ClientSampleId :



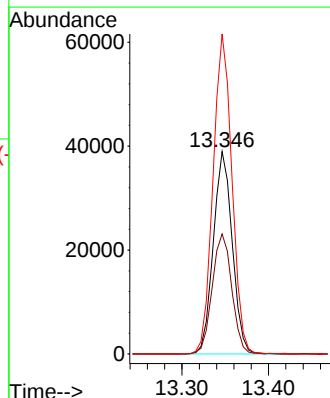
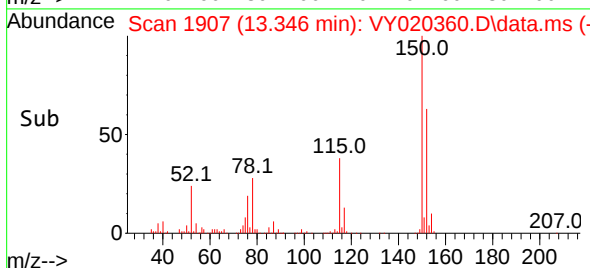
Tgt Ion:117 Resp: 151049  
Ion Ratio Lower Upper  
117 100  
82 59.4 48.2 72.4  
119 32.9 25.8 38.8

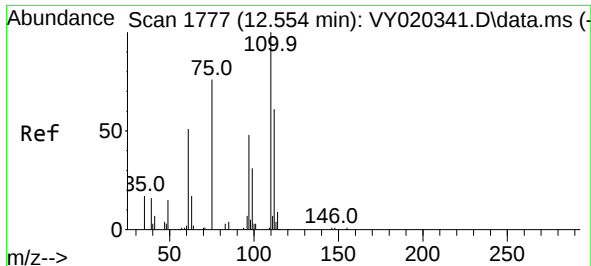


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27



Tgt Ion:152 Resp: 59083  
Ion Ratio Lower Upper  
152 100  
115 61.2 30.0 90.0  
150 158.0 0.0 348.2

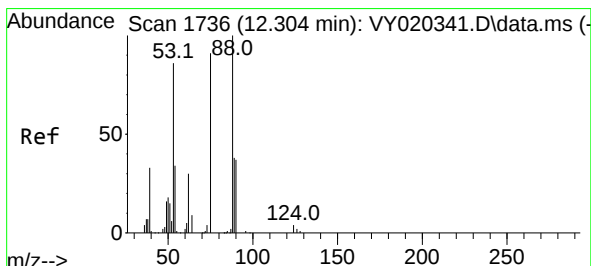
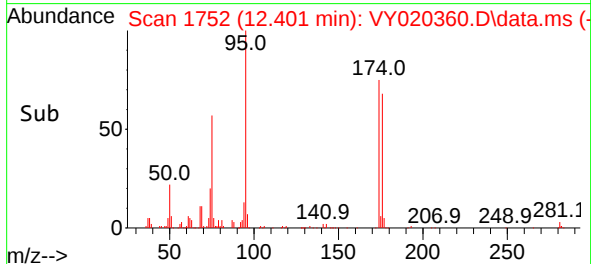
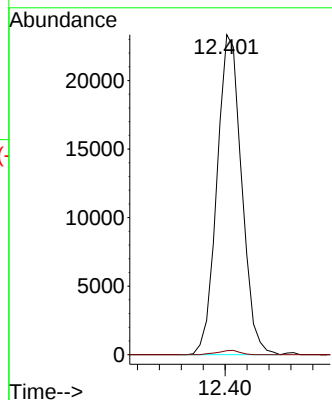
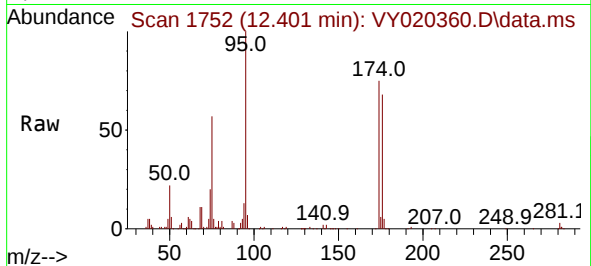




#76  
1,2,3-Trichloropropane  
Concen: 65.424 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.153 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 36433  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.195 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.097 min  
Lab File: VY020360.D  
Acq: 20 Nov 2024 15:27

Tgt Ion: 75 Resp: 36433  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.1 35.1 52.7#

