

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080122\  
 Data File : VY009808.D  
 Acq On : 01 Aug 2022 19:46  
 Operator : KP/MD  
 Sample : N3960-13  
 Misc : 3.27g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RVE-160

Quant Time: Aug 02 01:42:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 27 04:24:58 2022  
 Response via : Initial Calibration

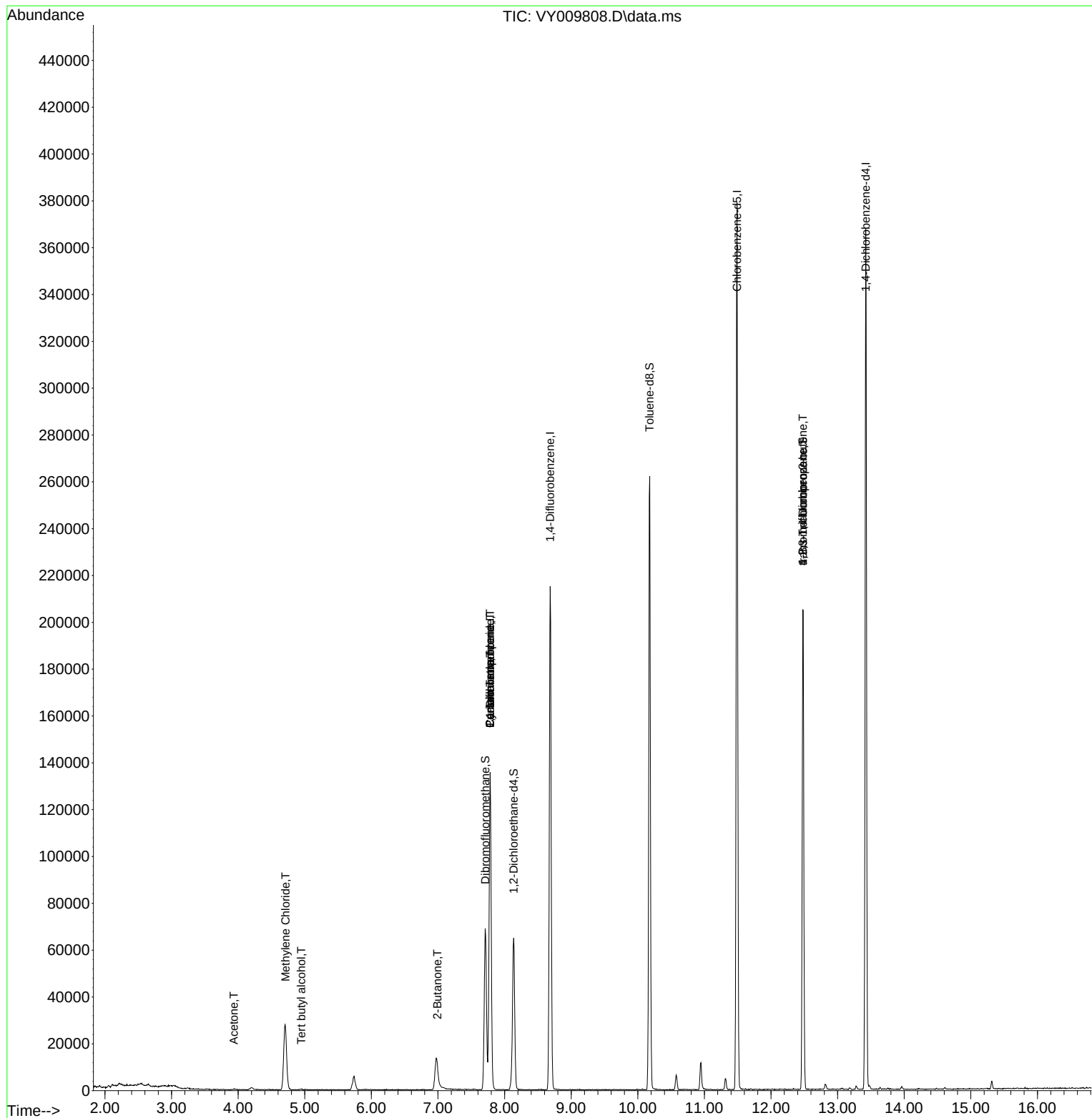
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 109723   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 188964   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 210415   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 100429   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 48229    | 67.885    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 135.760% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 48393    | 47.087    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 94.180%  |          |
| 50) Toluene-d8                | 10.179 | 98    | 173108   | 58.562    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 125 | Recovery  | = 117.120% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 59545    | 43.695    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 146 | Recovery  | = 87.380%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948  | 59    | 470      | 3.551     | ug/l #     | 77       |
| 16) Acetone                   | 3.936  | 43    | 437      | 1.666     | ug/l #     | 46       |
| 18) Methyl Acetate            | 4.466  | 43    | 74       | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.710  | 84    | 21323    | 8.989     | ug/l #     | 81       |
| 25) 2-Butanone                | 6.990  | 43    | 889      | 2.297     | ug/l #     | 54       |
| 31) Cyclohexane               | 7.783  | 56    | 1962     | 1.124     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 7835     | 4.685     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 9816     | 5.478     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 29993    | 32.152    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 29993    | 64.089    | ug/l #     | 7        |
| -----                         |        |       |          |           |            |          |

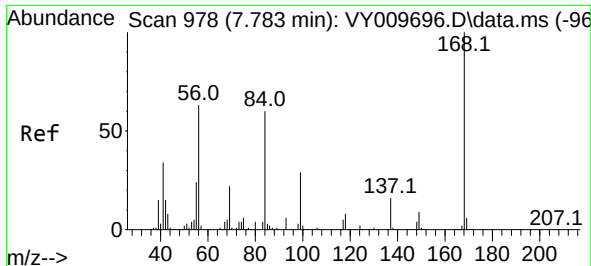
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

Quant Time: Aug 02 01:42:51 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y072622S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 27 04:24:58 2022  
Response via : Initial Calibration

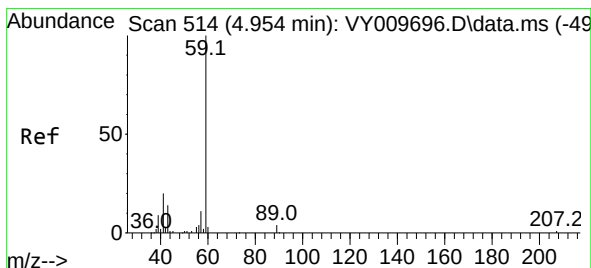
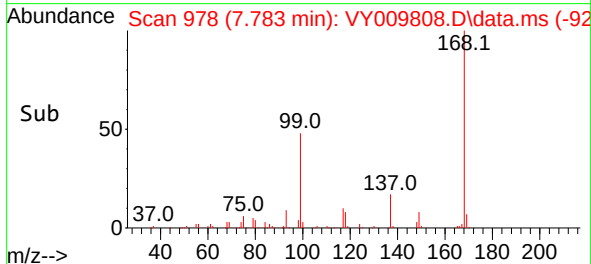
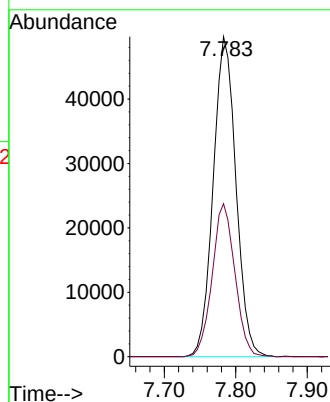
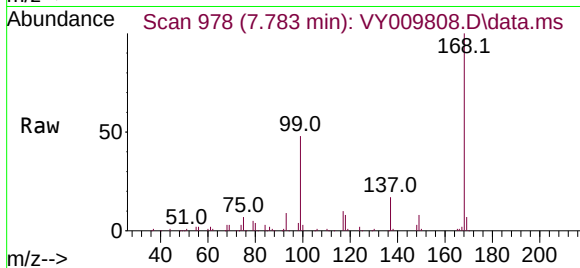




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

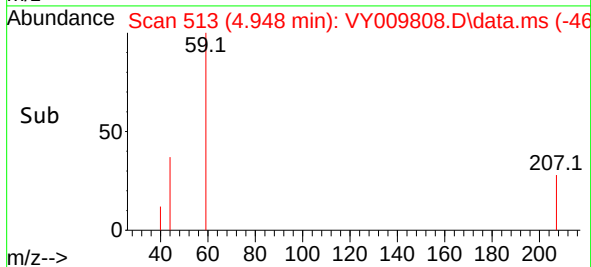
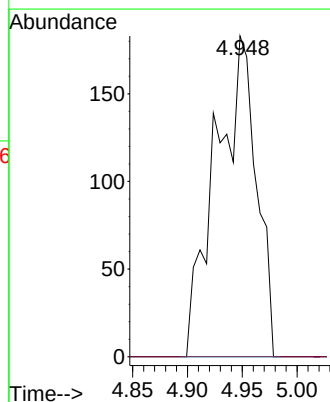
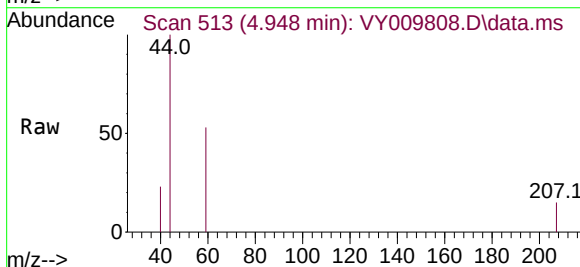
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

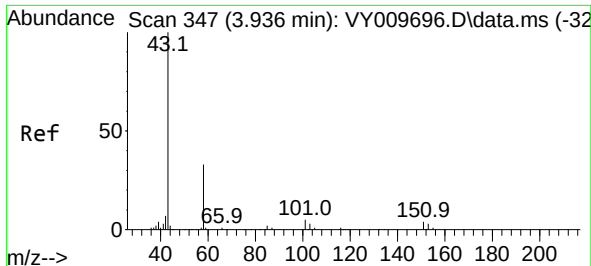
Tgt Ion:168 Resp: 109723  
Ion Ratio Lower Upper  
168 100  
99 47.8 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 3.551 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.006 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

Tgt Ion: 59 Resp: 470  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

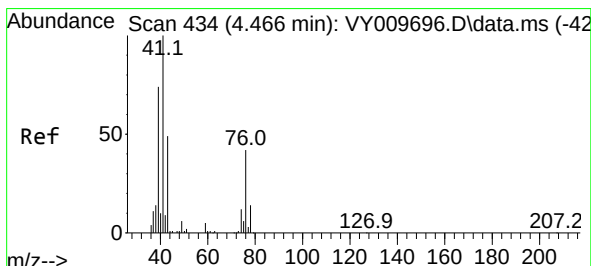
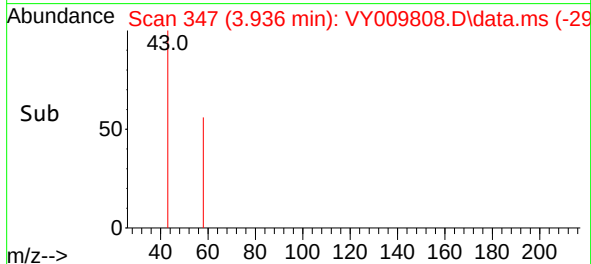
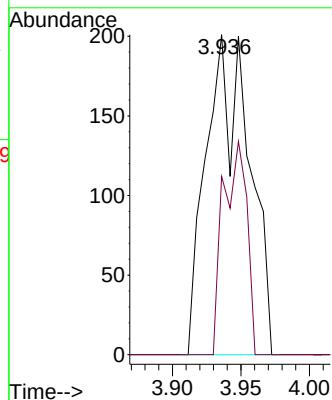
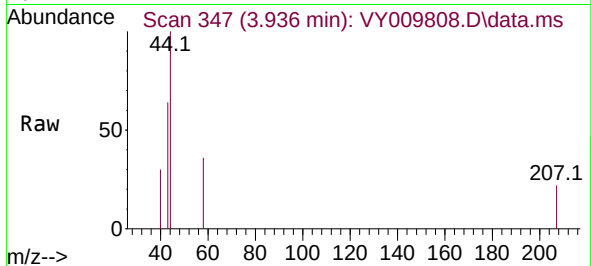




#16  
Acetone  
Concen: 1.666 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

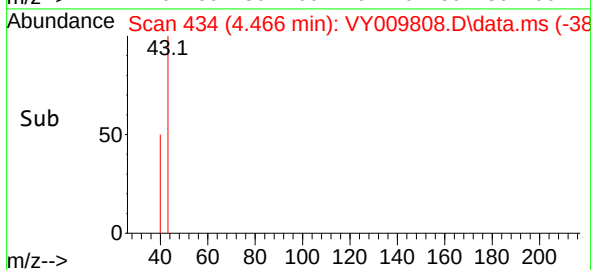
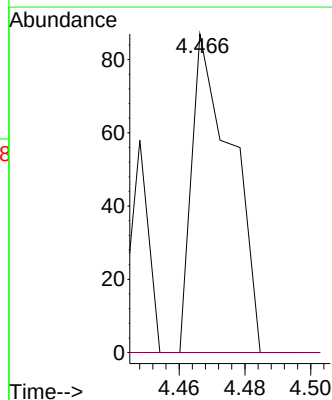
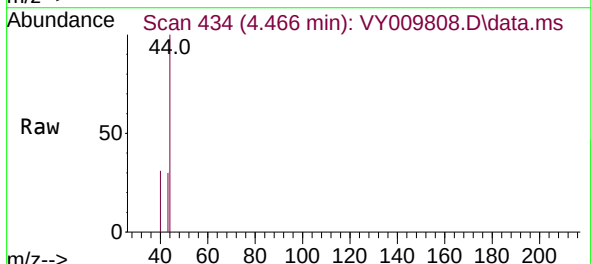
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

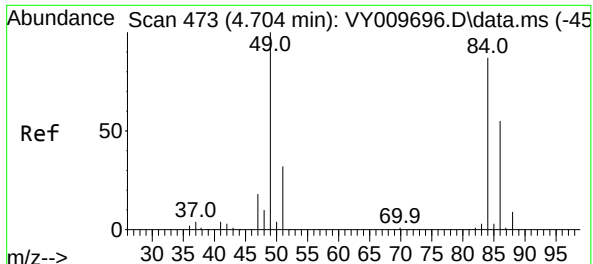
Tgt Ion: 43 Resp: 437  
Ion Ratio Lower Upper  
43 100  
58 55.7 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.466 min Scan# 434  
Delta R.T. 0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

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

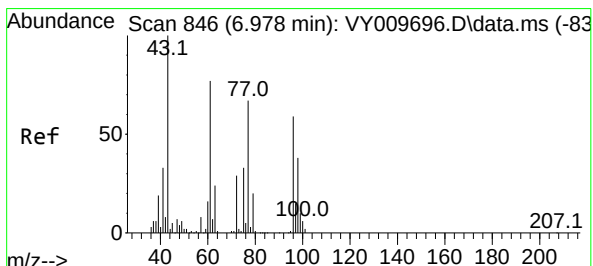
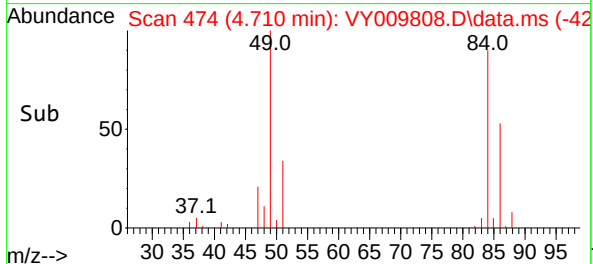
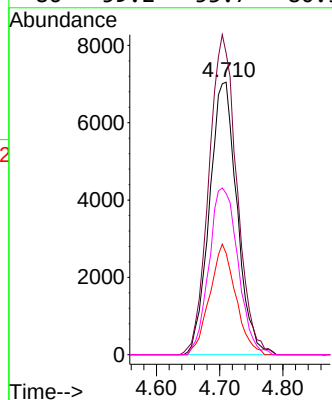
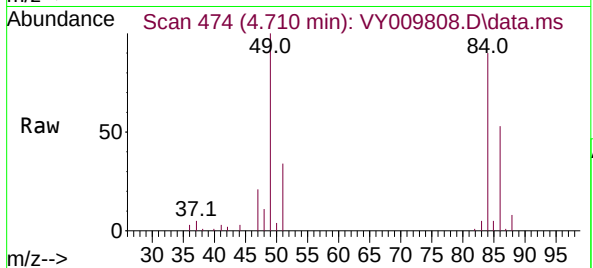




#20  
Methylene Chloride  
Concen: 8.989 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

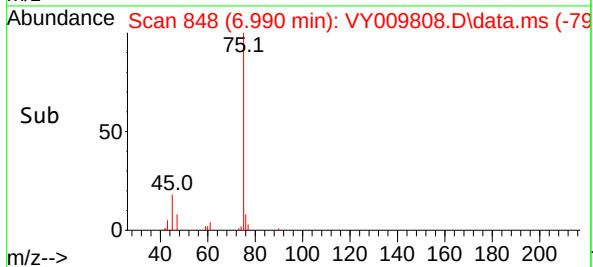
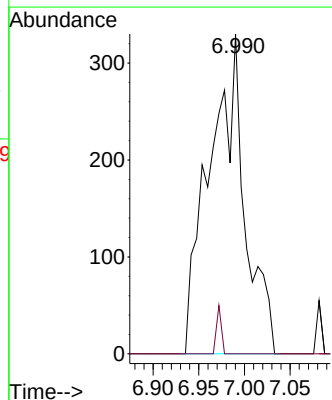
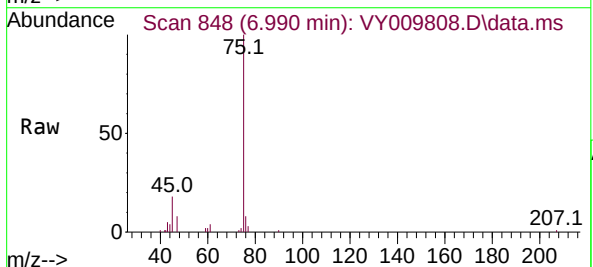
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

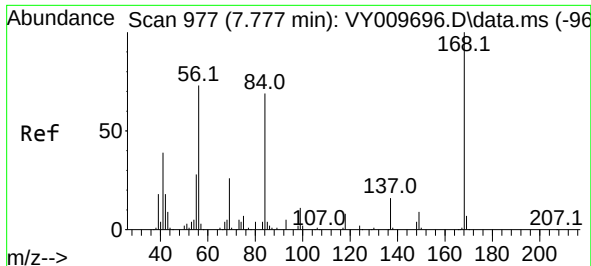
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 21323  |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 110.7 | 114.4 | 171.6# |
| 51       | 37.2  | 35.3  | 52.9   |
| 86       | 59.2  | 53.7  | 80.5   |



#25  
2-Butanone  
Concen: 2.297 ug/l  
RT: 6.990 min Scan# 848  
Delta R.T. 0.012 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 889   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 0.0   | 17.7  | 26.5# |

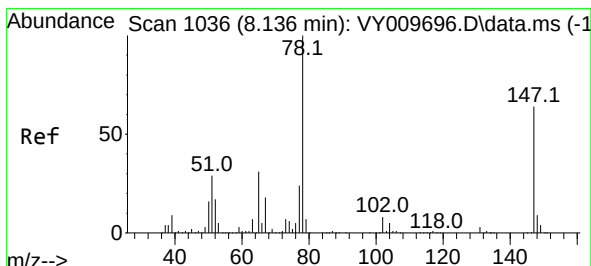
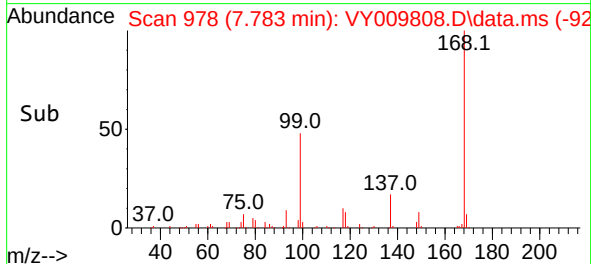
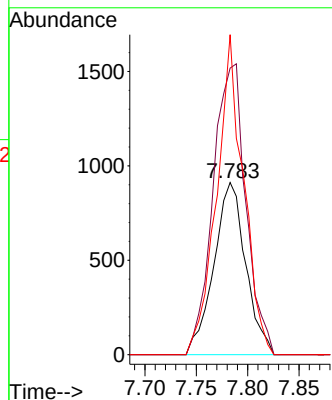
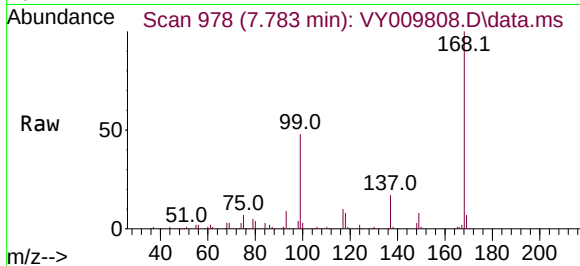




#31  
Cyclohexane  
Concen: 1.124 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

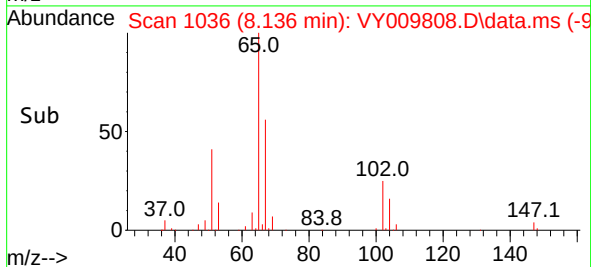
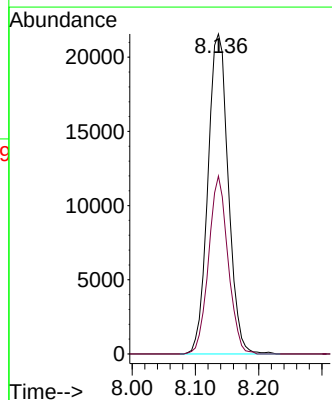
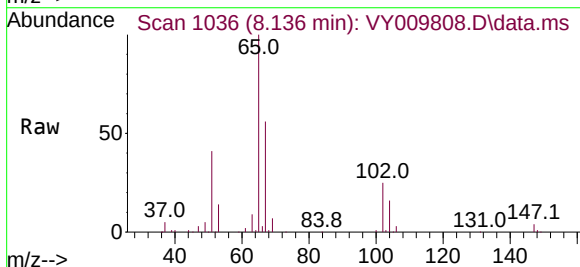
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

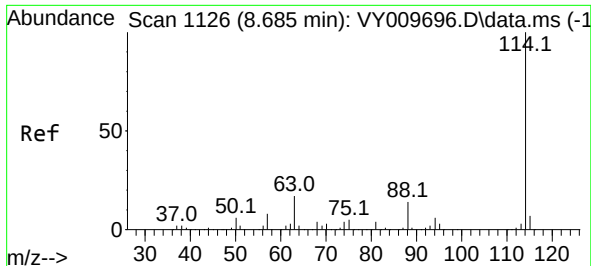
Tgt Ion: 56 Resp: 1962  
Ion Ratio Lower Upper  
56 100  
69 166.4 26.7 40.1#  
84 185.9 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 67.885 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

Tgt Ion: 65 Resp: 48229  
Ion Ratio Lower Upper  
65 100  
67 52.9 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: VY009808.D

Acq: 01 Aug 2022 19:46

Instrument :

MSVOA\_Y

ClientSampleId :

RVE-160

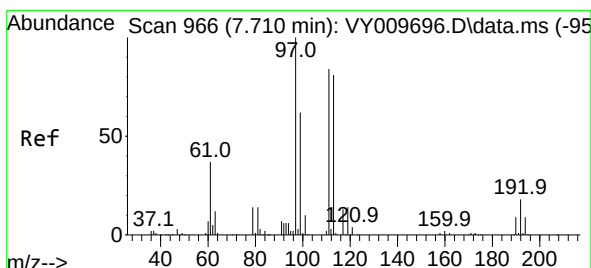
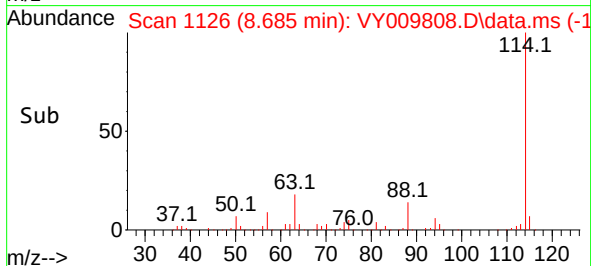
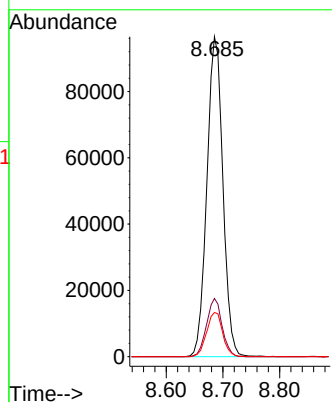
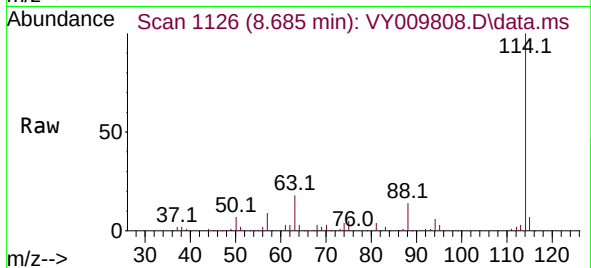
Tgt Ion:114 Resp: 188964

Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 13.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.087 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009808.D

Acq: 01 Aug 2022 19:46

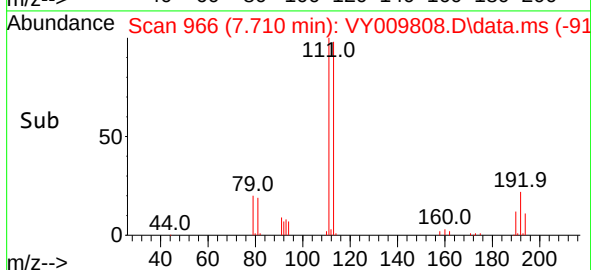
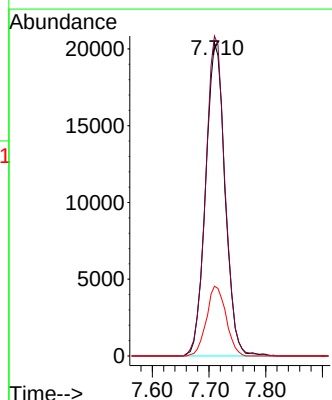
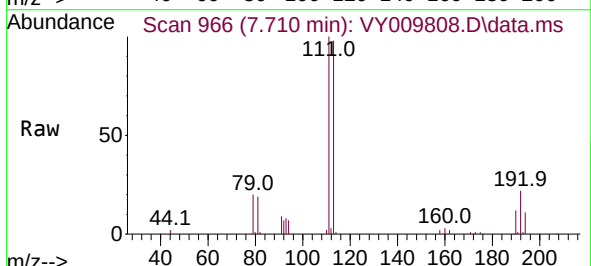
Tgt Ion:113 Resp: 48393

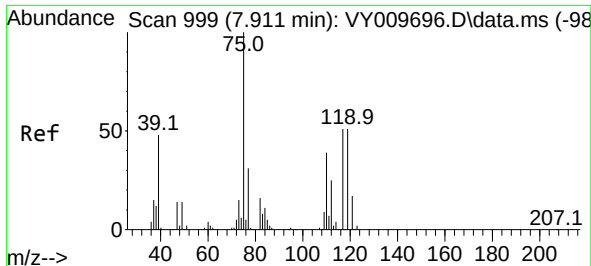
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 22.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.685 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY009808.D

Acq: 01 Aug 2022 19:46

Instrument :

MSVOA\_Y

ClientSampleId :

RVE-160

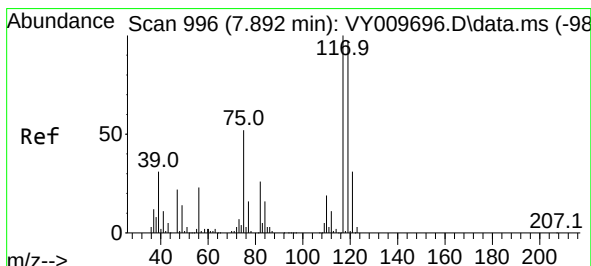
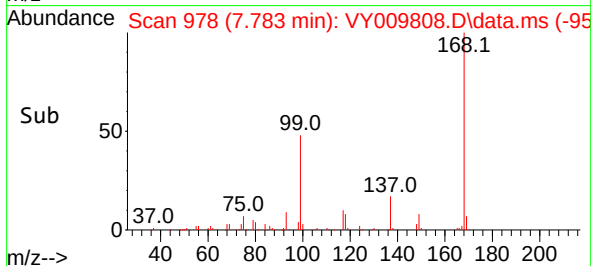
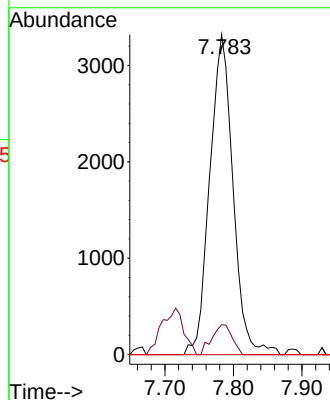
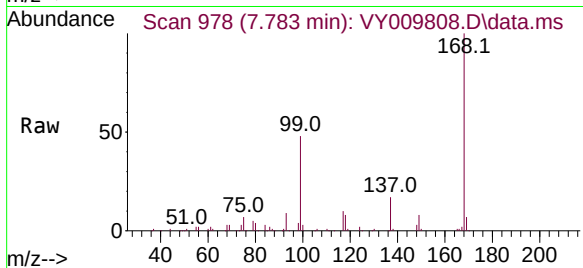
Tgt Ion: 75 Resp: 7835

Ion Ratio Lower Upper

75 100

110 8.1 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.478 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009808.D

Acq: 01 Aug 2022 19:46

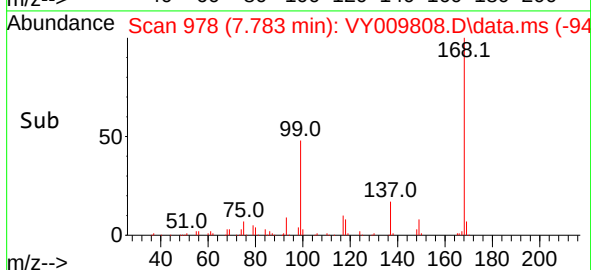
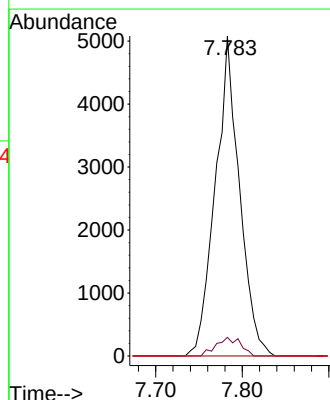
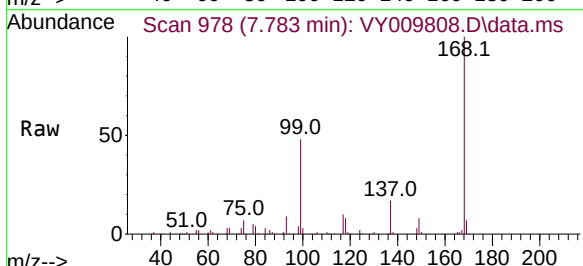
Tgt Ion: 117 Resp: 9816

Ion Ratio Lower Upper

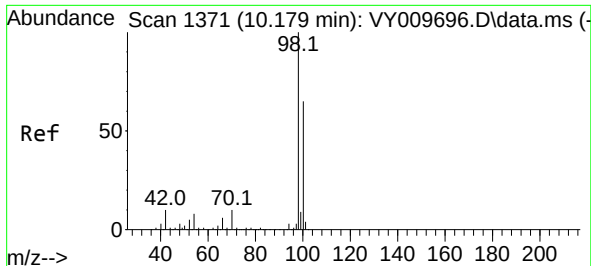
117 100

119 5.8 77.9 116.9#

121 0.0 24.8 37.2#



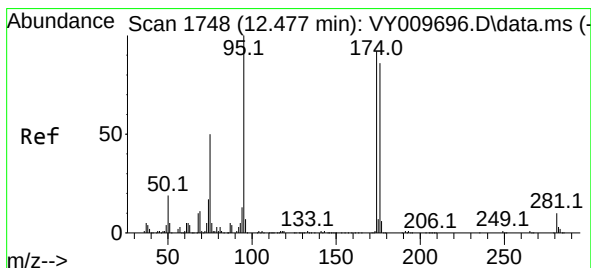
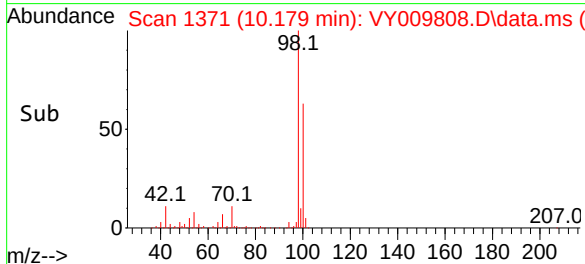
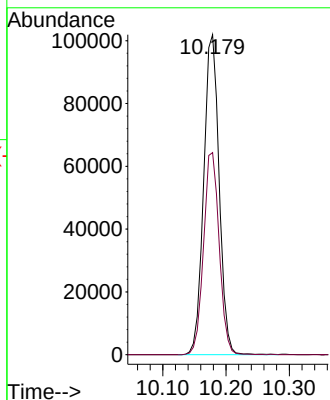
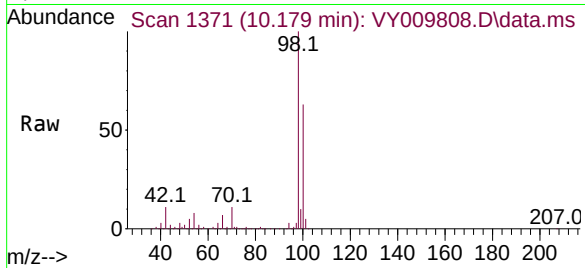




#50  
Toluene-d8  
Concen: 58.562 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

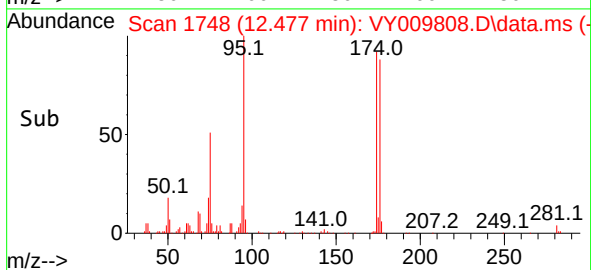
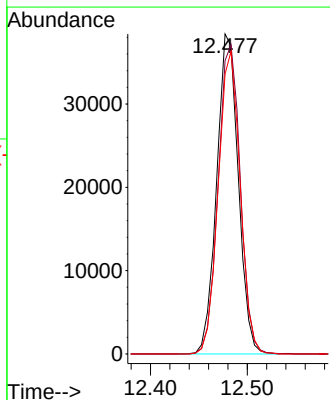
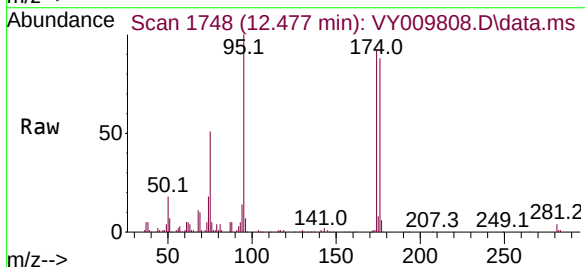
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

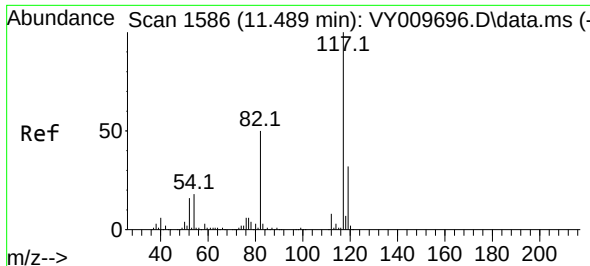
Tgt Ion: 98 Resp: 173108  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 43.695 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

Tgt Ion: 95 Resp: 59545  
Ion Ratio Lower Upper  
95 100  
174 98.9 0.0 177.0  
176 95.6 0.0 175.8

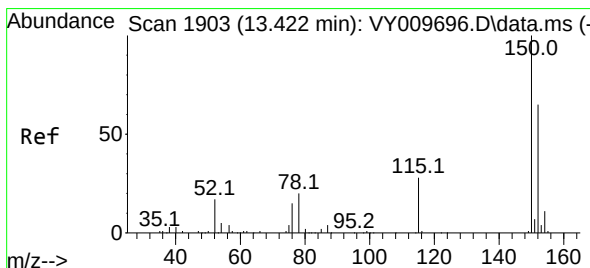
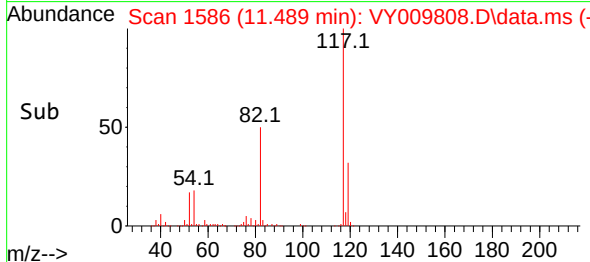
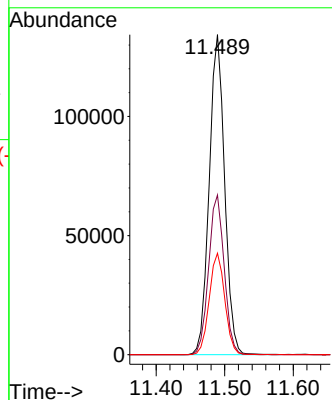
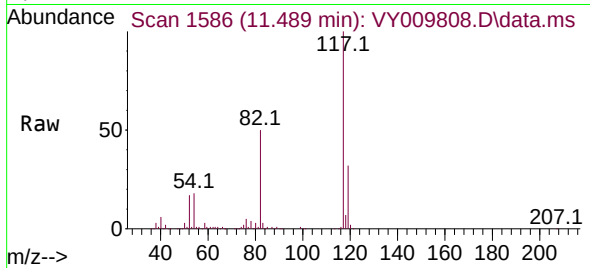




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

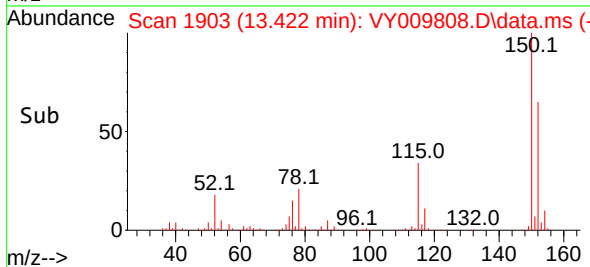
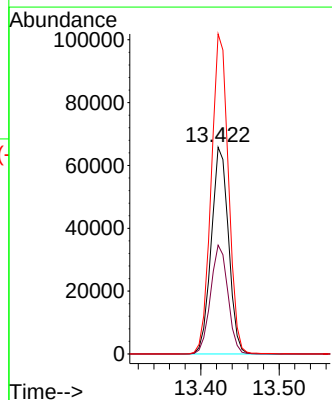
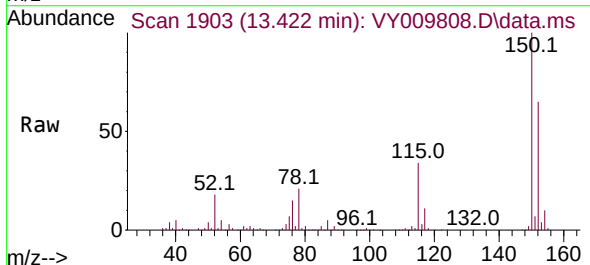
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

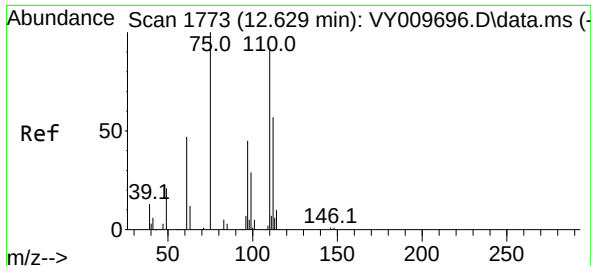
Tgt Ion:117 Resp: 210415  
Ion Ratio Lower Upper  
117 100  
82 49.9 43.0 64.4  
119 31.7 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

Tgt Ion:152 Resp: 100429  
Ion Ratio Lower Upper  
152 100  
115 52.8 28.2 84.7  
150 154.5 0.0 347.6

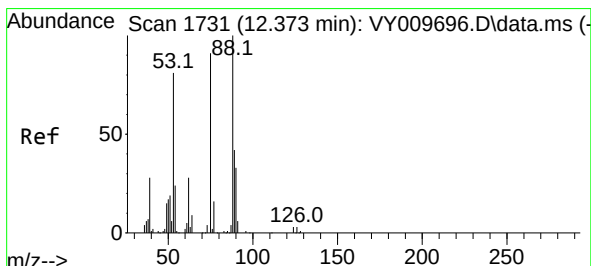
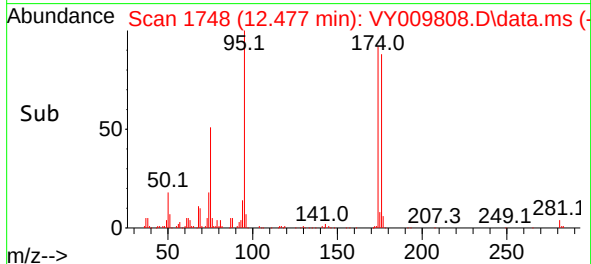
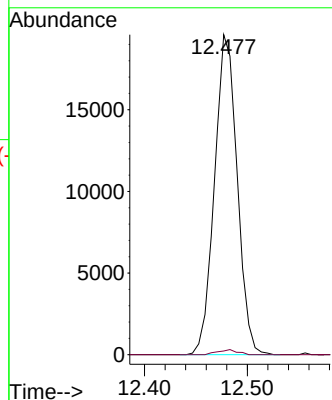
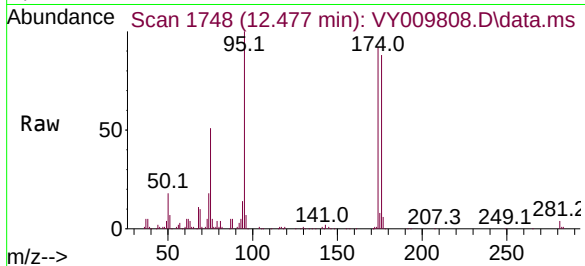




#76  
1,2,3-Trichloropropane  
Concen: 32.152 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-160

Tgt Ion: 75 Resp: 29993  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 64.089 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009808.D  
Acq: 01 Aug 2022 19:46

Tgt Ion: 75 Resp: 29993  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.1 37.0 55.4#

