

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072922\  
 Data File : VY009776.D  
 Acq On : 29 Jul 2022 16:39  
 Operator : KP/MD  
 Sample : N3930-16  
 Misc : 4.11g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 RVE-108

Quant Time: Aug 01 01:14:34 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

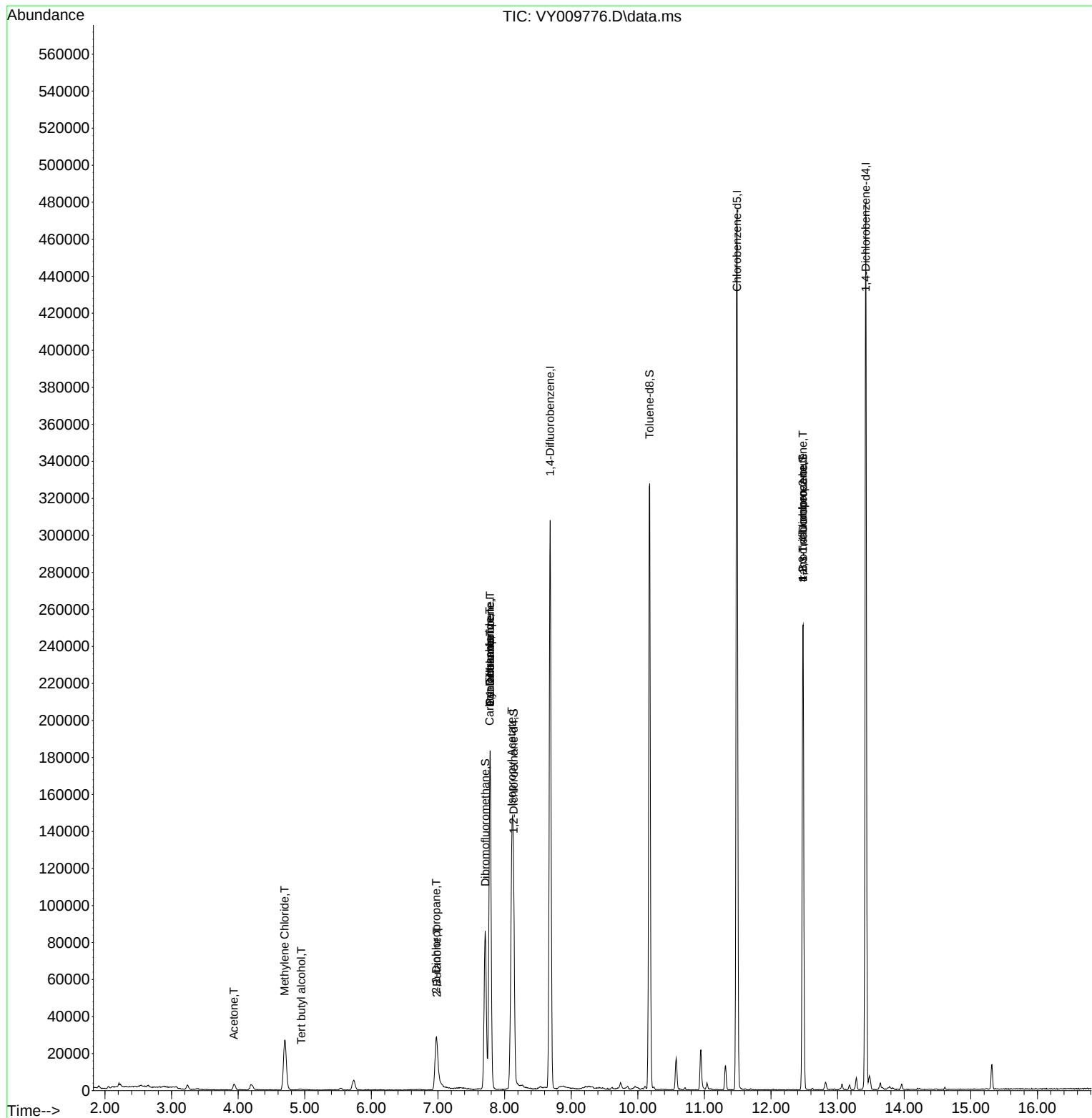
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 150125   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 267505   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 272104   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 125188   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136     | 65    | 61245    | 62.592    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 125.180% |          |
| 35) Dibromofluoromethane      | 7.710     | 113   | 59754    | 41.071    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 82.140%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 218655   | 51.753    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 125 | Recovery  | = 103.500% |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 70923    | 36.764    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 146 | Recovery  | = 73.520%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.948     | 59    | 1012     | 6.057     | ug/l #     | 77       |
| 16) Acetone                   | 3.936     | 43    | 5540     | 15.434    | ug/l       | 97       |
| 18) Methyl Acetate            | 4.466     | 43    | 210      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.698     | 84    | 21309    | 3.328     | ug/l       | 87       |
| 25) 2-Butanone                | 6.984     | 43    | 1839     | 3.473     | ug/l       | 91       |
| 26) 2,2-Dichloropropane       | 6.972     | 77    | 2557     | 1.081     | ug/l #     | 55       |
| 31) Cyclohexane               | 7.783     | 56    | 2655     | 1.112     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 9839     | 4.156     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 7.777     | 117   | 13448    | 5.301     | ug/l #     | 16       |
| 43) Isopropyl Acetate         | 8.106     | 43    | 2668     | 1.088     | ug/l #     | 5        |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 35477    | 30.510    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 35477    | 60.814    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072922\  
Data File : VY009776.D  
Acq On : 29 Jul 2022 16:39  
Operator : KP/MD  
Sample : N3930-16  
Misc : 4.11g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

Quant Time: Aug 01 01:14:34 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

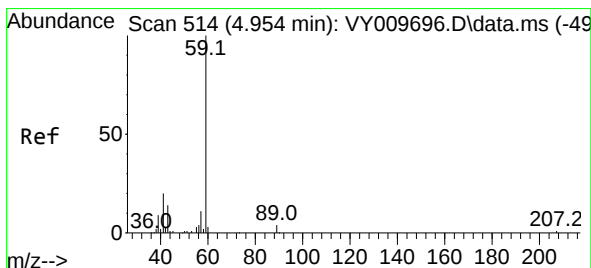
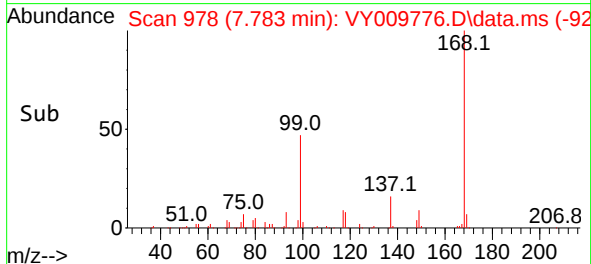
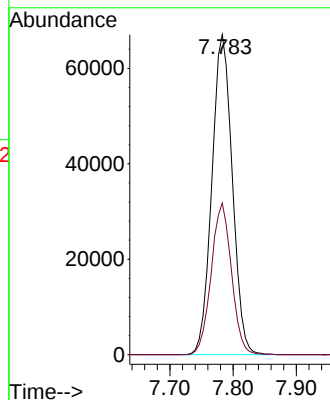
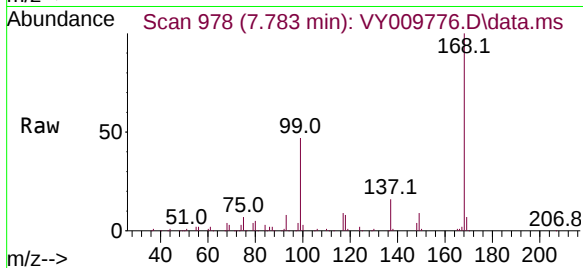




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

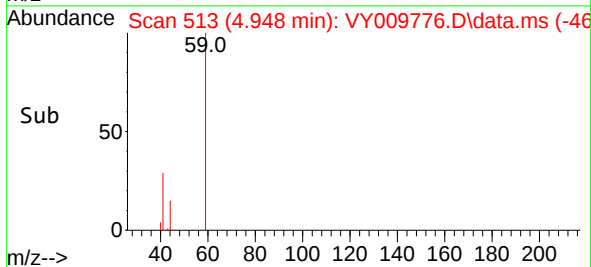
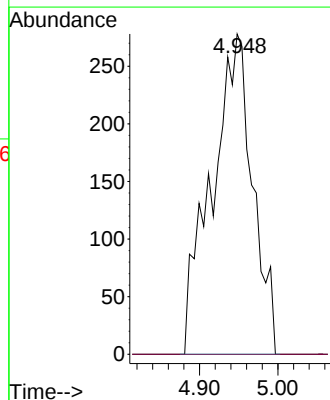
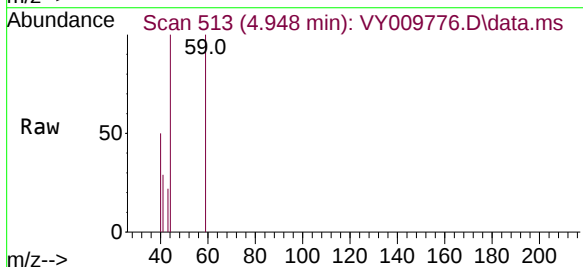
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

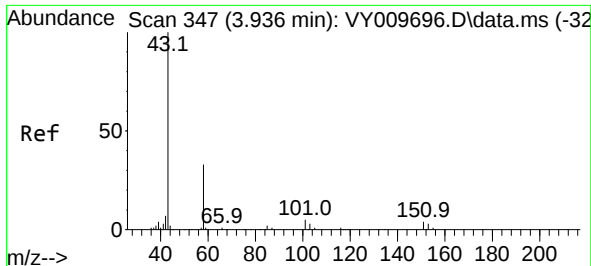
Tgt Ion:168 Resp: 150125  
Ion Ratio Lower Upper  
168 100  
99 47.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 6.057 ug/l  
RT: 4.948 min Scan# 513  
Delta R.T. -0.006 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion: 59 Resp: 1012  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#





#16

Acetone

Concen: 15.434 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY009776.D

Acq: 29 Jul 2022 16:39

Instrument :

MSVOA\_Y

ClientSampleId :

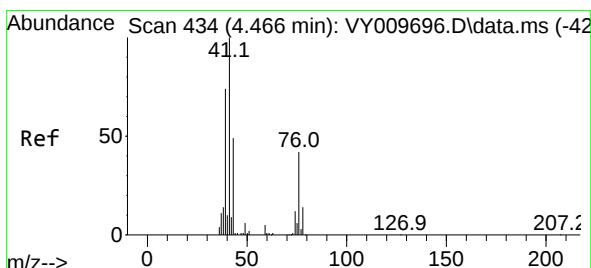
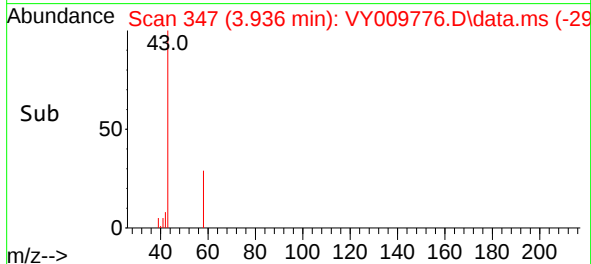
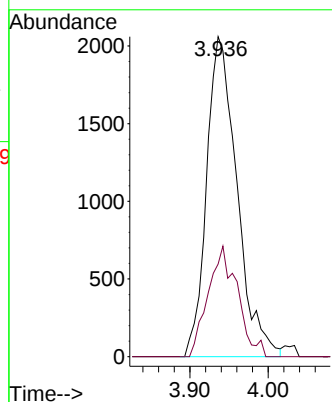
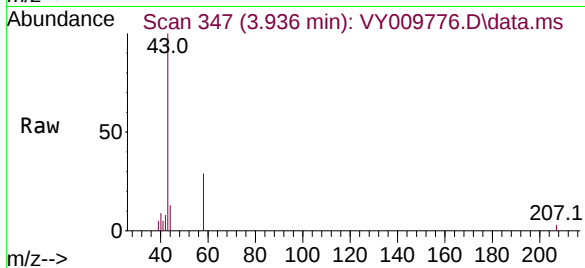
RVE-108

Tgt Ion: 43 Resp: 5540

Ion Ratio Lower Upper

43 100

58 28.9 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY009776.D

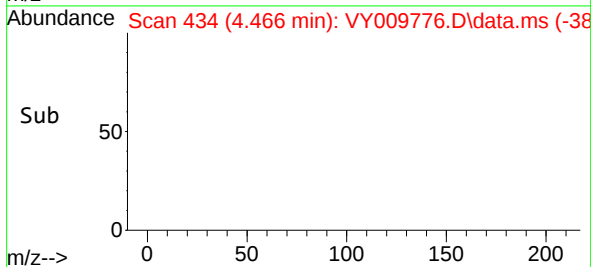
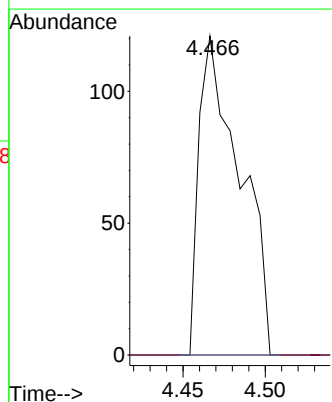
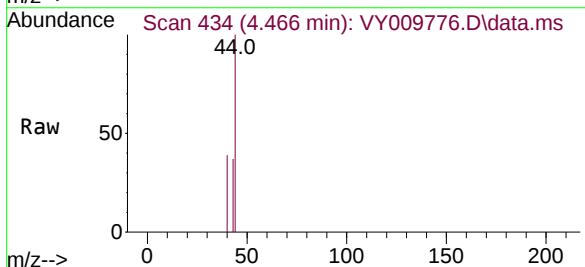
Acq: 29 Jul 2022 16:39

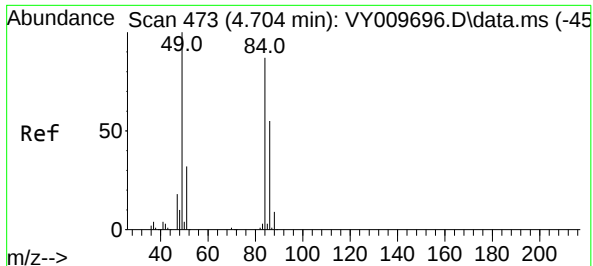
Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

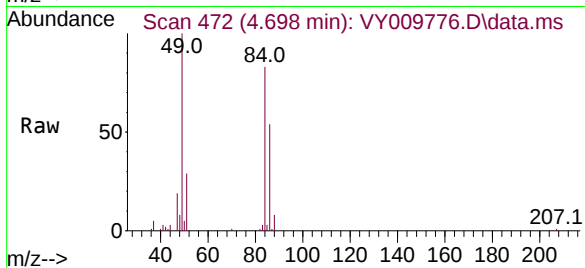
74 0.0 16.6 24.8#



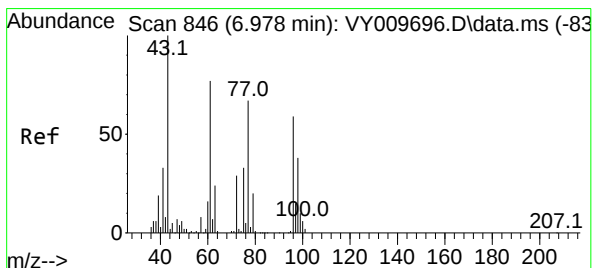
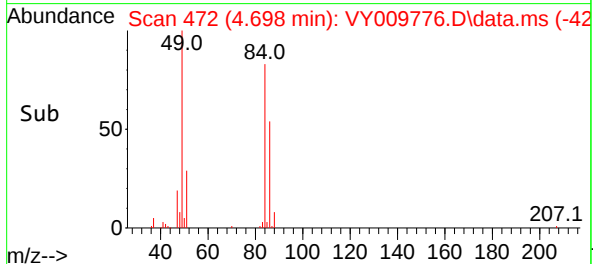
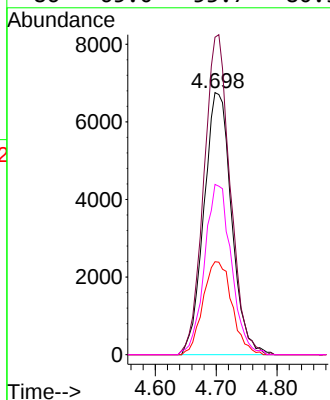


#20  
Methylene Chloride  
Concen: 3.328 ug/l  
RT: 4.698 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

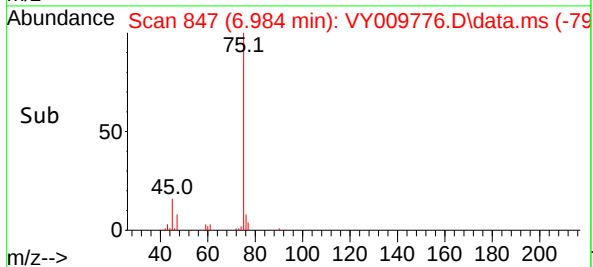
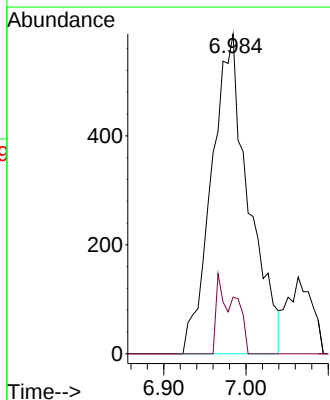
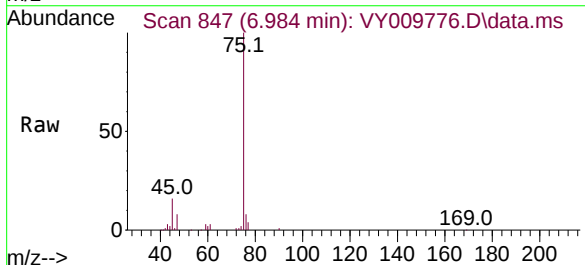


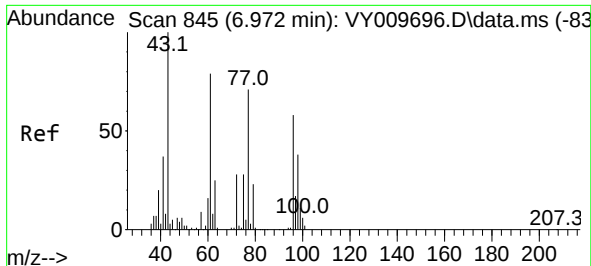
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 21309 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 121.1 | 114.4 | 171.6 |
| 51       | 35.5  | 35.3  | 52.9  |
| 86       | 65.0  | 53.7  | 80.5  |



#25  
2-Butanone  
Concen: 3.473 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1839  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 72       | 17.7  | 17.7  | 26.5  |

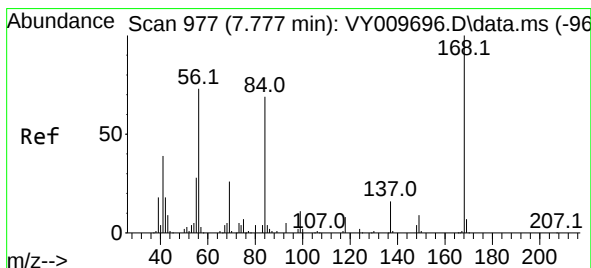
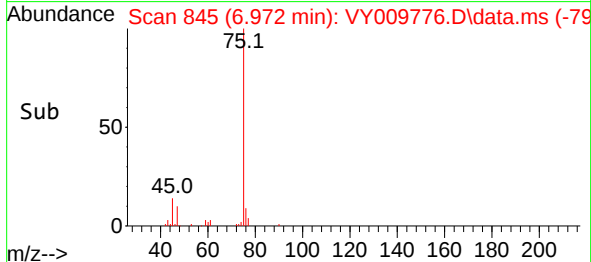
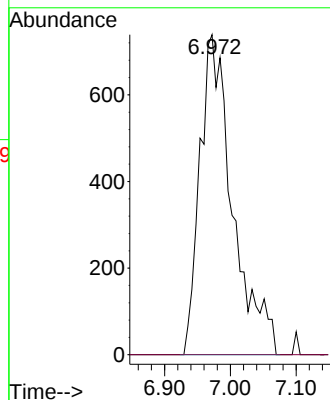
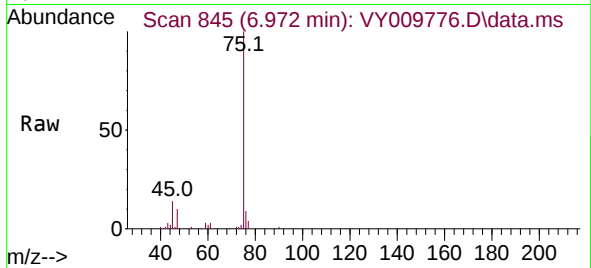




#26  
2,2-Dichloropropane  
Concen: 1.081 ug/l  
RT: 6.972 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

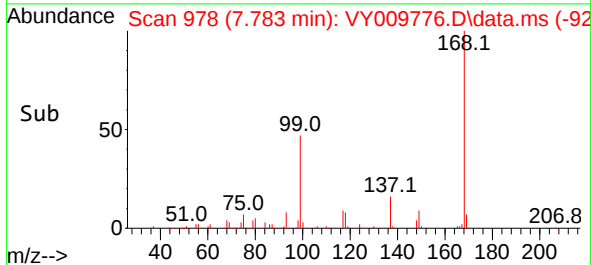
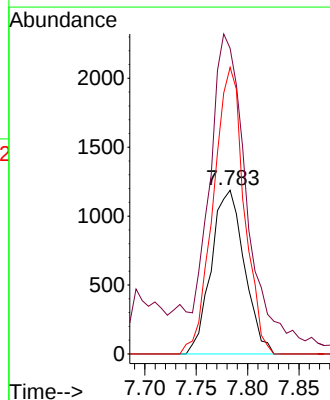
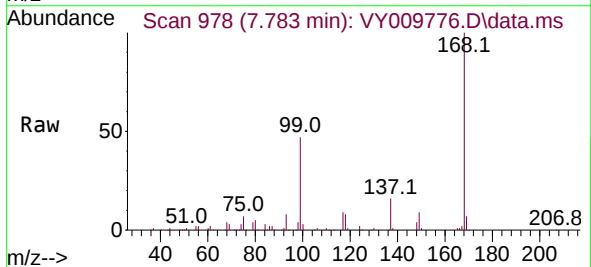
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

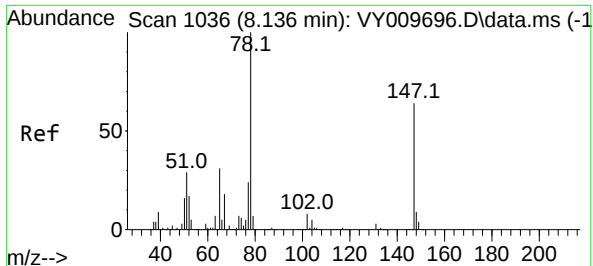
Tgt Ion: 77 Resp: 2557  
Ion Ratio Lower Upper  
77 100  
97 0.0 10.4 31.4#



#31  
Cyclohexane  
Concen: 1.112 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. 0.006 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion: 56 Resp: 2655  
Ion Ratio Lower Upper  
56 100  
69 168.2 26.7 40.1#  
84 175.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.592 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009776.D

Acq: 29 Jul 2022 16:39

Instrument :

MSVOA\_Y

ClientSampleId :

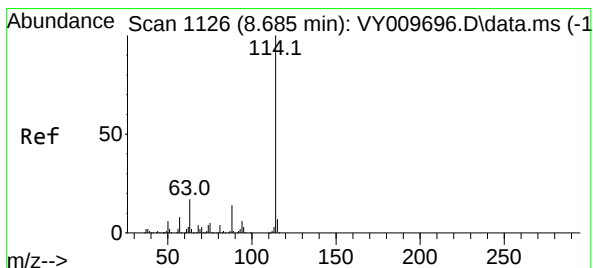
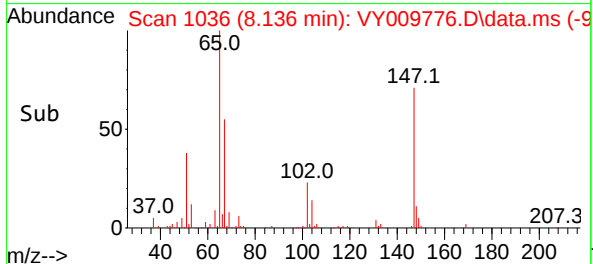
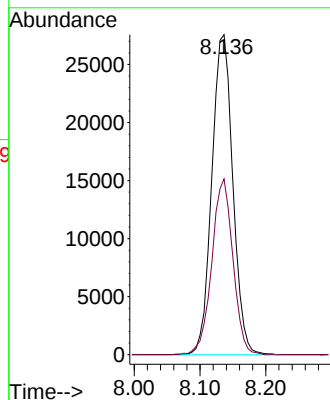
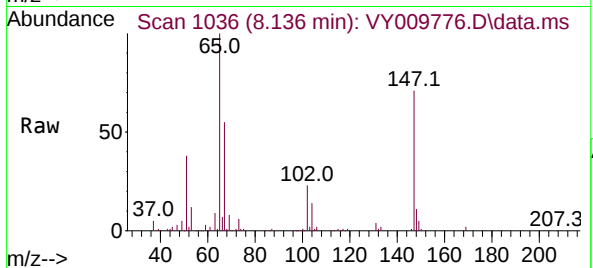
RVE-108

Tgt Ion: 65 Resp: 61245

Ion Ratio Lower Upper

65 100

67 55.3 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: VY009776.D

Acq: 29 Jul 2022 16:39

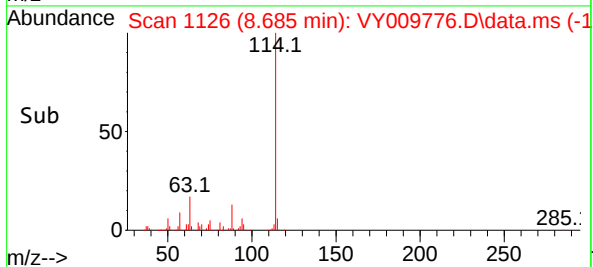
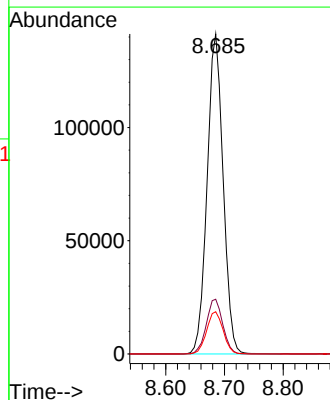
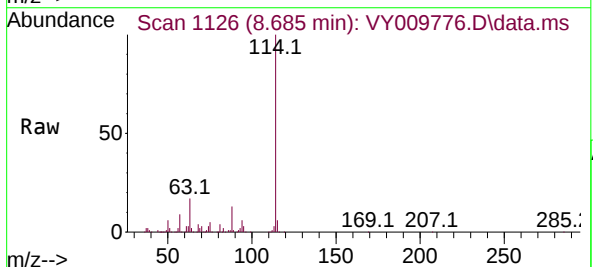
Tgt Ion:114 Resp: 267505

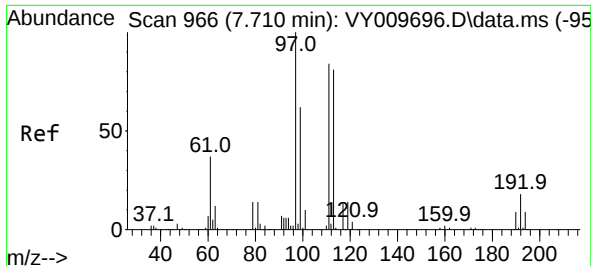
Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 13.2 0.0 31.8

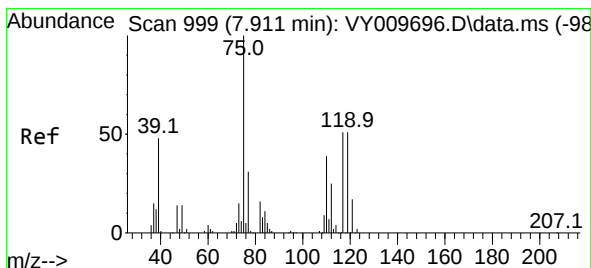
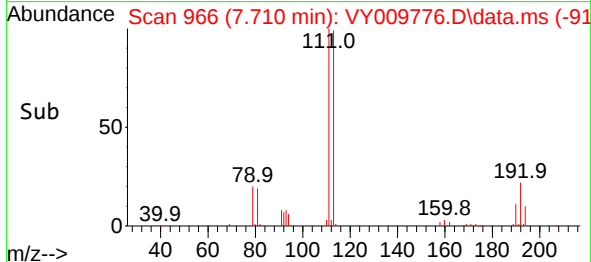
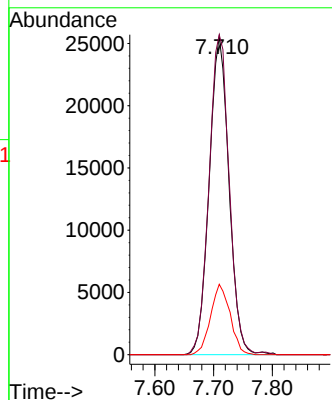
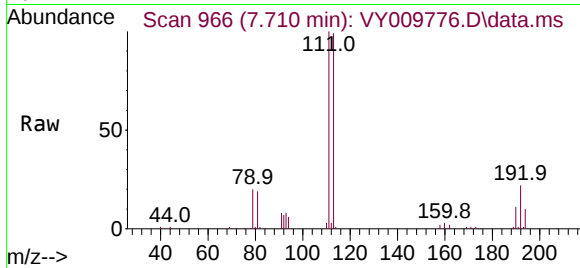




#35  
Dibromofluoromethane  
Concen: 41.071 ug/l  
RT: 7.710 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

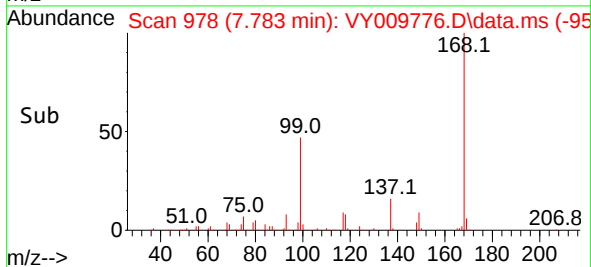
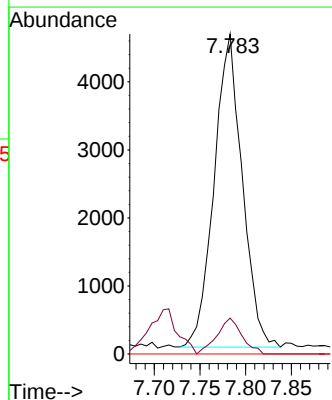
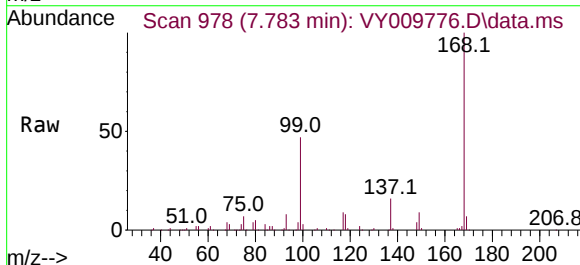
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

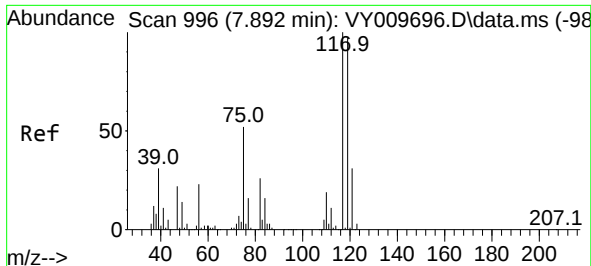
Tgt Ion:113 Resp: 59754  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.6 124.0  
192 21.9 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.156 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion: 75 Resp: 9839  
Ion Ratio Lower Upper  
75 100  
110 10.2 17.1 51.2#  
77 0.0 24.4 36.6#

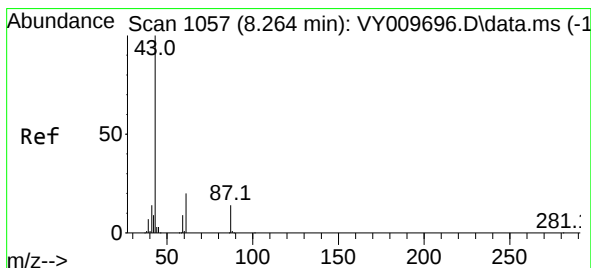
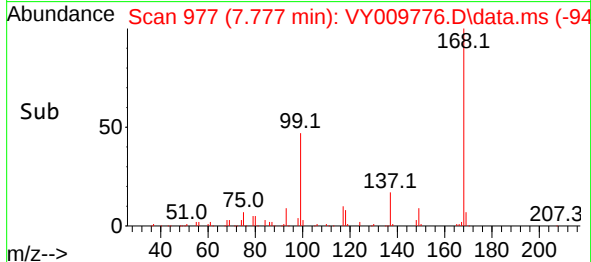
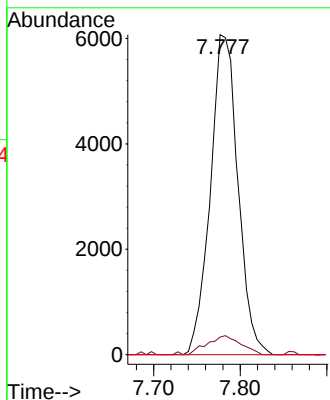
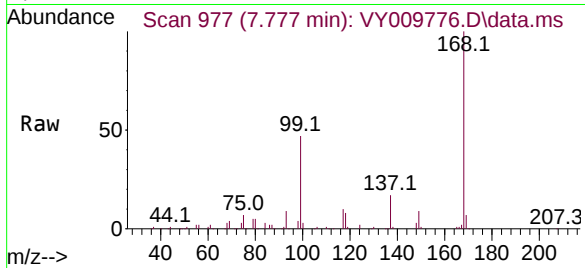




#38  
Carbon Tetrachloride  
Concen: 5.301 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.115 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

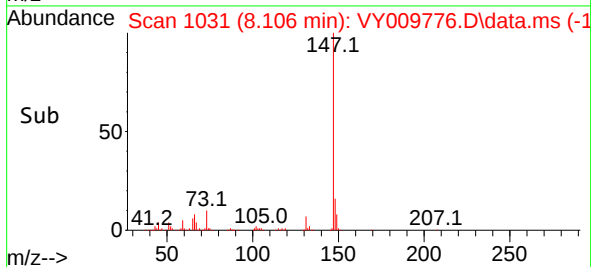
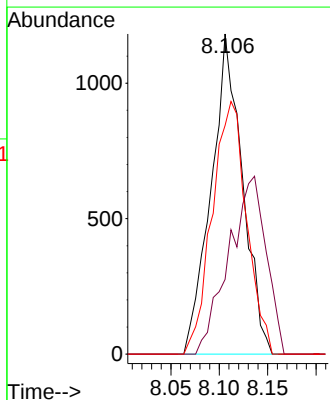
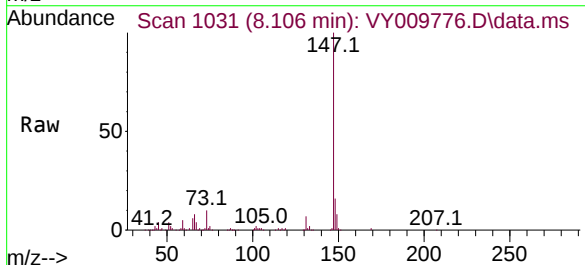
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

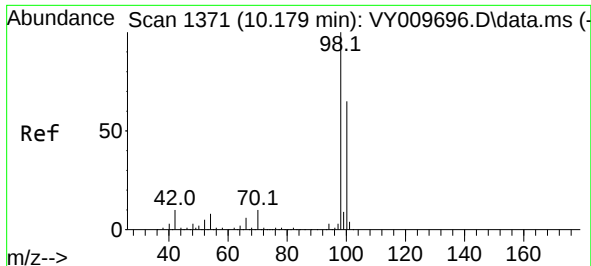
Tgt Ion:117 Resp: 13448  
Ion Ratio Lower Upper  
117 100  
119 5.5 77.9 116.9#  
121 0.0 24.8 37.2#



#43  
Isopropyl Acetate  
Concen: 1.088 ug/l  
RT: 8.106 min Scan# 1031  
Delta R.T. -0.158 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion: 43 Resp: 2668  
Ion Ratio Lower Upper  
43 100  
61 0.0 20.2 30.2#  
87 86.5 8.9 13.3#

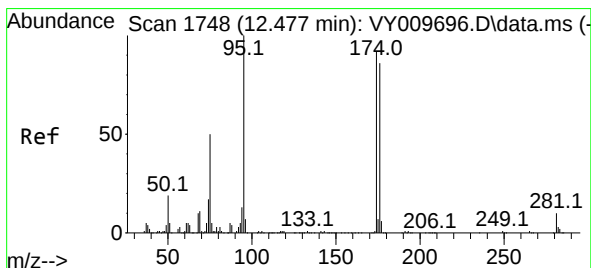
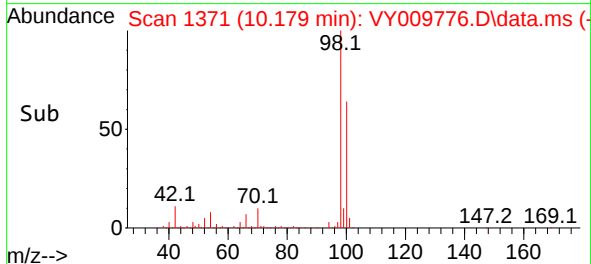
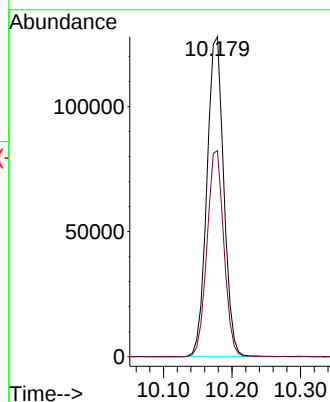
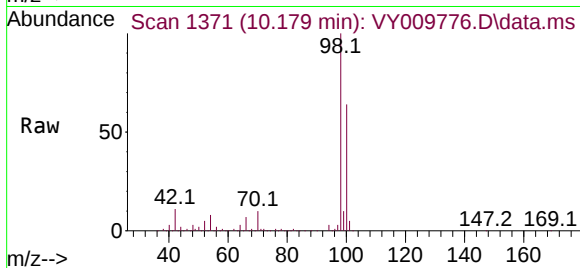




#50  
Toluene-d8  
Concen: 51.753 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

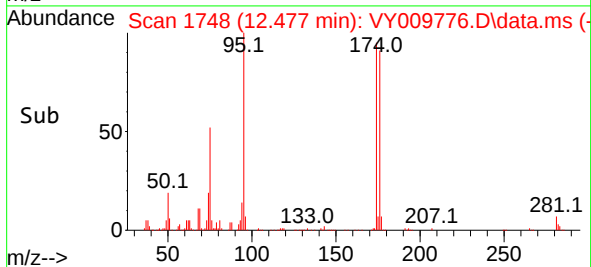
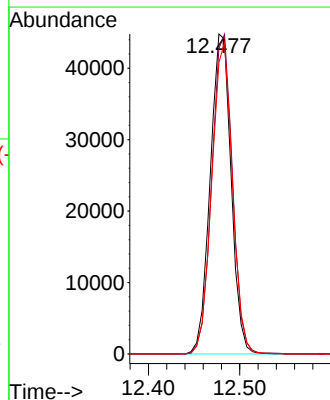
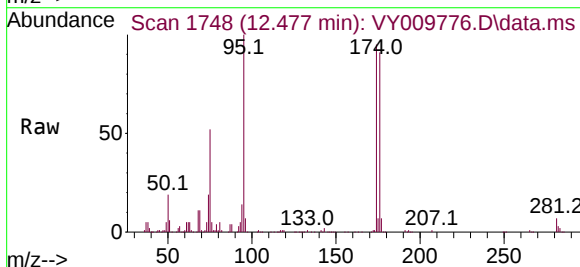
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

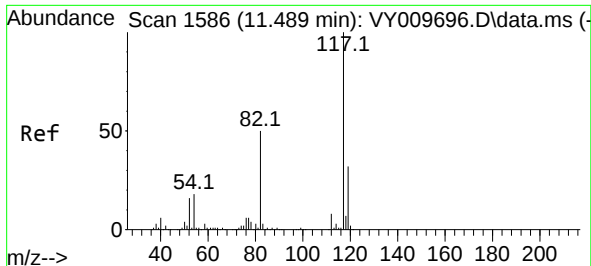
Tgt Ion: 98 Resp: 218655  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 36.764 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion: 95 Resp: 70923  
Ion Ratio Lower Upper  
95 100  
174 99.1 0.0 177.0  
176 96.1 0.0 175.8

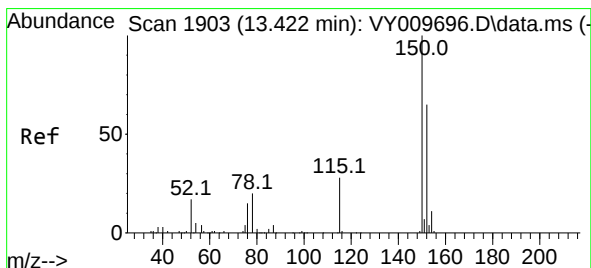
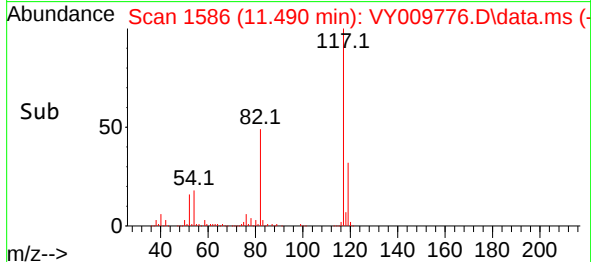
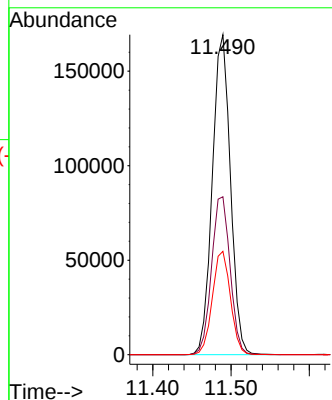
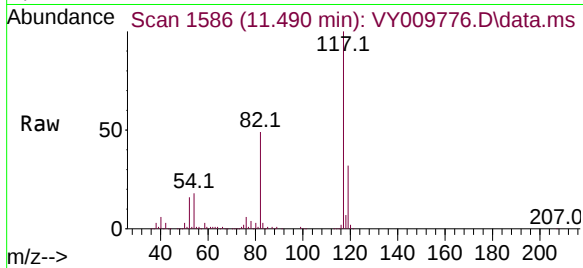




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. 0.001 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

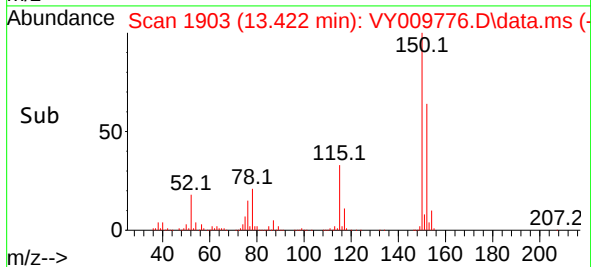
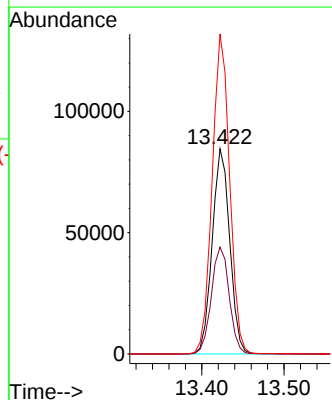
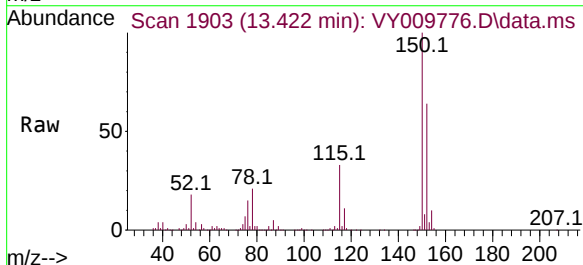
Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

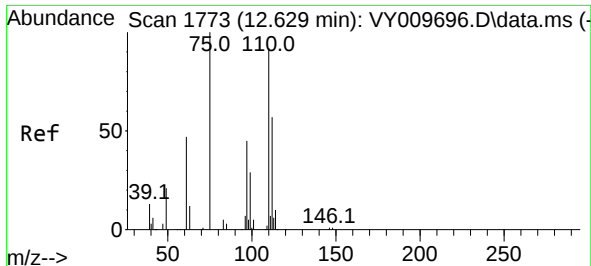
Tgt Ion:117 Resp: 272104  
Ion Ratio Lower Upper  
117 100  
82 49.4 43.0 64.4  
119 32.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion:152 Resp: 125188  
Ion Ratio Lower Upper  
152 100  
115 53.1 28.2 84.7  
150 155.4 0.0 347.6

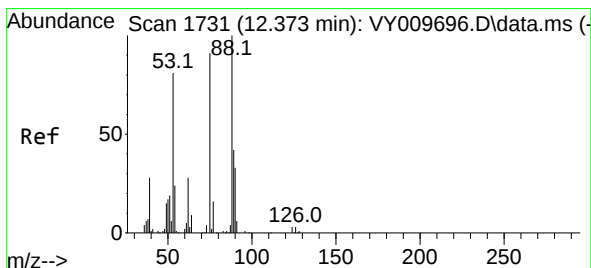
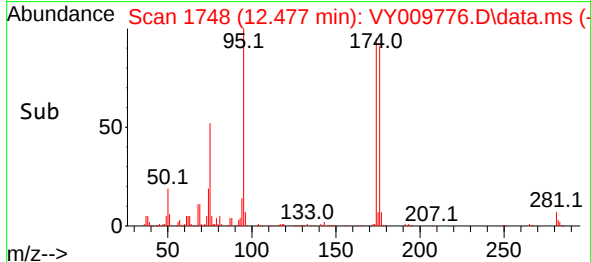
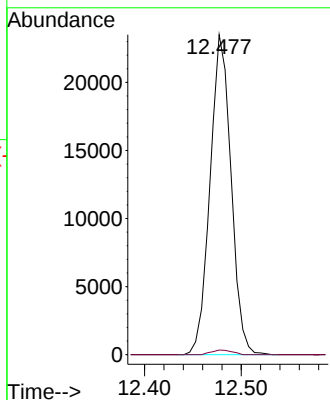
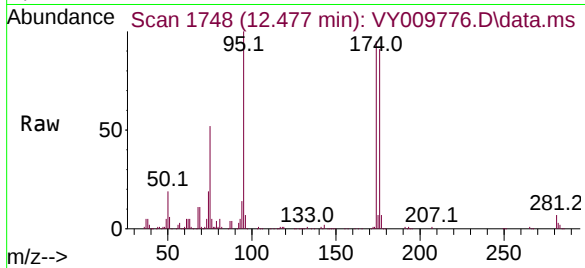




#76  
1,2,3-Trichloropropane  
Concen: 30.510 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Instrument :  
MSVOA\_Y  
ClientSampleId :  
RVE-108

Tgt Ion: 75 Resp: 35477  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 60.814 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009776.D  
Acq: 29 Jul 2022 16:39

Tgt Ion: 75 Resp: 35477  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.2 37.0 55.4#

