

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071122\  
 Data File : VY009513.D  
 Acq On : 11 Jul 2022 16:18  
 Operator : KP/MD  
 Sample : N3622-08  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jul 12 05:03:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 08 11:00:56 2022  
 Response via : Initial Calibration

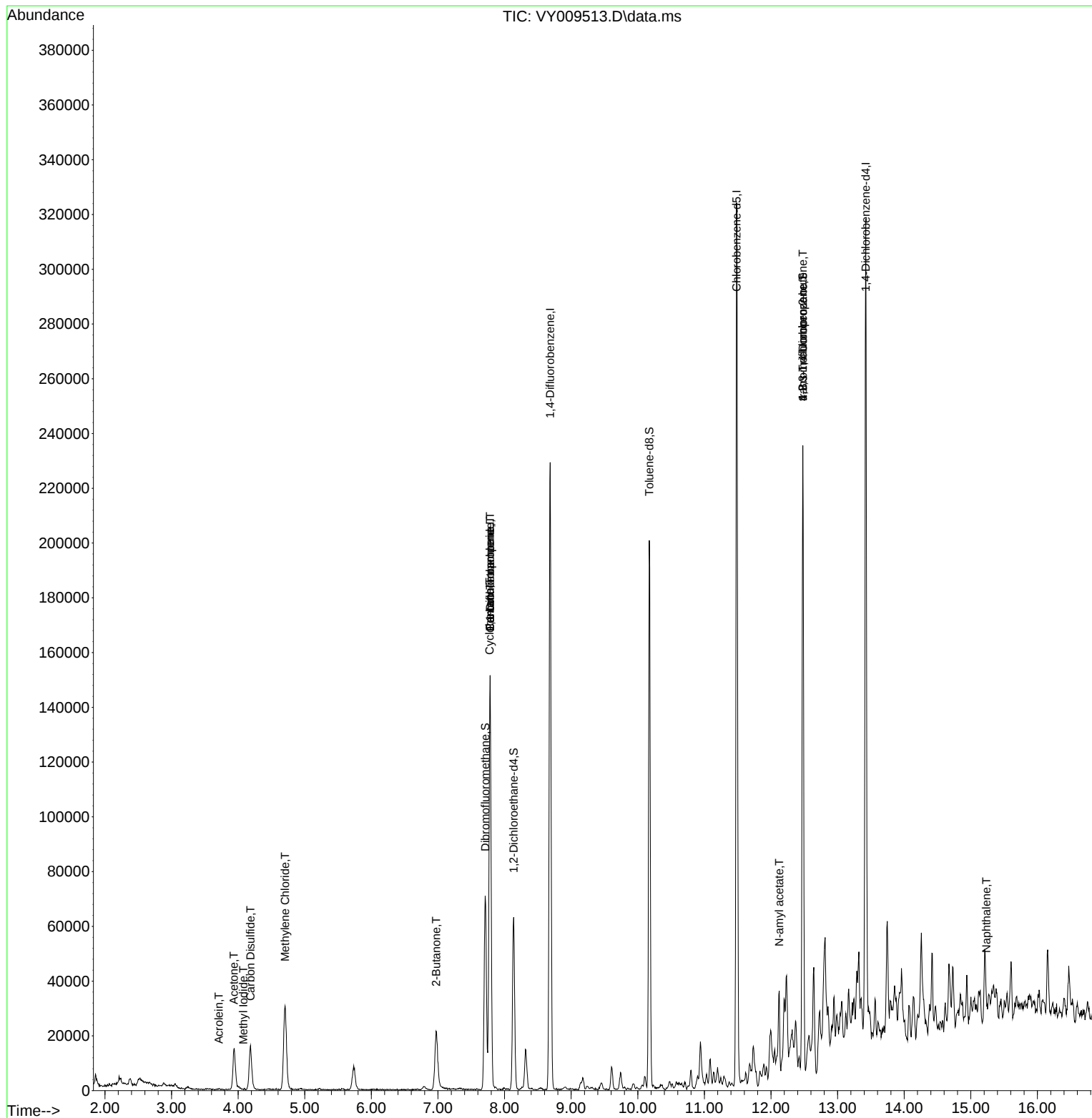
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.783          | 168  | 116309              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685          | 114  | 196355              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.484         | 117  | 173269              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 74576               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137          | 65   | 47159               | 58.686    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 117.380% |           |        |          |
| 35) Dibromofluoromethane      | 7.710          | 113  | 49417               | 47.831    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 95.660%  |           |        |          |
| 50) Toluene-d8                | 10.173         | 98   | 126880              | 43.781    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 125 |      | Recovery = 87.560%  |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 62706               | 42.997    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 146 |      | Recovery = 86.000%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           | Qvalue |          |
| 10) Methyl Iodide             | 4.076          | 142  | 131                 | 4.249     | ug/l # | 35       |
| 11) Tert butyl alcohol        | 4.936          | 59   | 919                 | Below Cal | #      | 85       |
| 13) Acrolein                  | 3.711          | 56   | 259                 | 32.712    | ug/l # | 67       |
| 16) Acetone                   | 3.936          | 43   | 26083               | 92.186    | ug/l   | 92       |
| 17) Carbon Disulfide          | 4.186          | 76   | 27850               | 12.451    | ug/l   | 98       |
| 20) Methylene Chloride        | 4.704          | 84   | 22505               | 13.333    | ug/l   | 87       |
| 23) Vinyl Acetate             | 6.186          | 43   | 22                  | Below Cal | #      | 75       |
| 25) 2-Butanone                | 6.972          | 43   | 6944                | 15.171    | ug/l   | 92       |
| 31) Cyclohexane               | 7.777          | 56   | 2663                | 1.396     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 8898                | 5.290     | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 7.783          | 117  | 11299               | 6.281     | ug/l # | 17       |
| 74) N-amyl acetate            | 12.124         | 43   | 7157                | 4.932     | ug/l # | 65       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 33800               | 42.815    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 33800               | 87.627    | ug/l # | 7        |
| 95) Naphthalene               | 15.233         | 128  | 3567                | 1.260     | ug/l # | 74       |
| -----                         |                |      |                     |           |        |          |

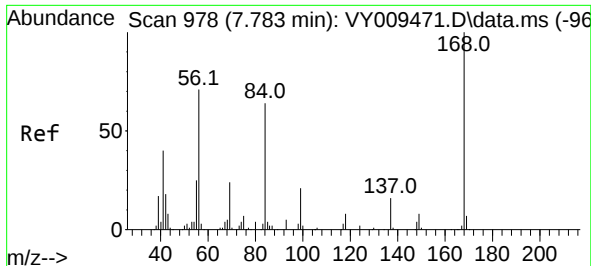
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071122\  
Data File : VY009513.D  
Acq On : 11 Jul 2022 16:18  
Operator : KP/MD  
Sample : N3622-08  
Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

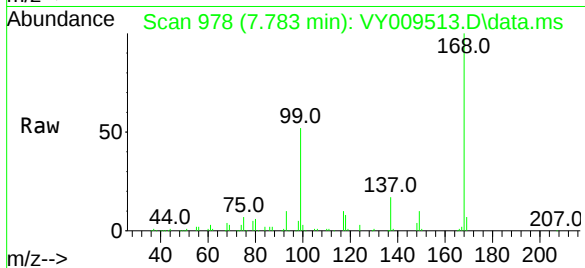
Quant Time: Jul 12 05:03:52 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y070722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 08 11:00:56 2022  
Response via : Initial Calibration



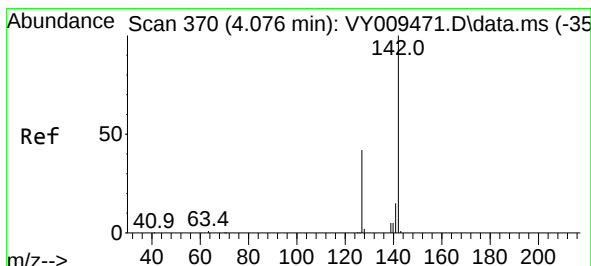
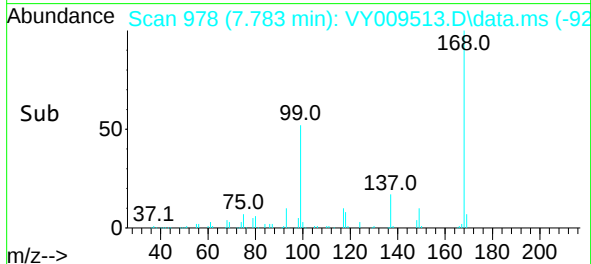
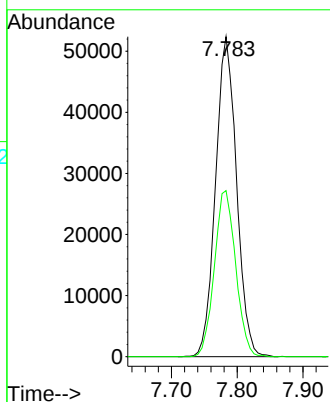


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

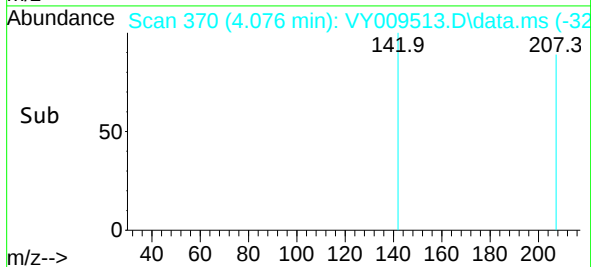
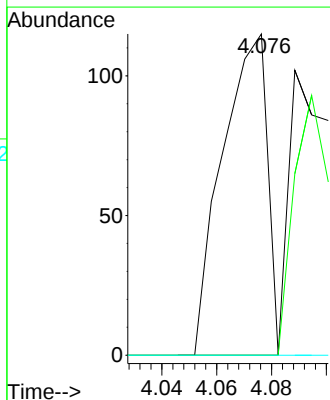
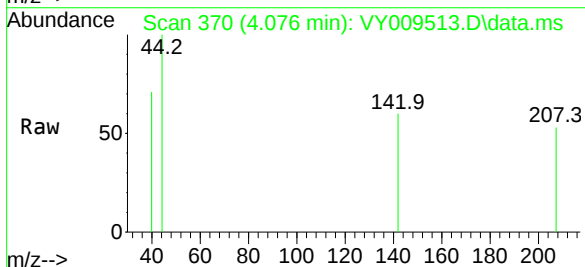


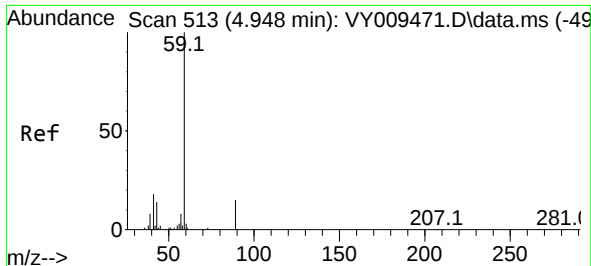
Tgt Ion:168 Resp: 116309  
Ion Ratio Lower Upper  
168 100  
99 51.9 46.9 70.3



#10  
Methyl Iodide  
Concen: 4.249 ug/l  
RT: 4.076 min Scan# 370  
Delta R.T. 0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

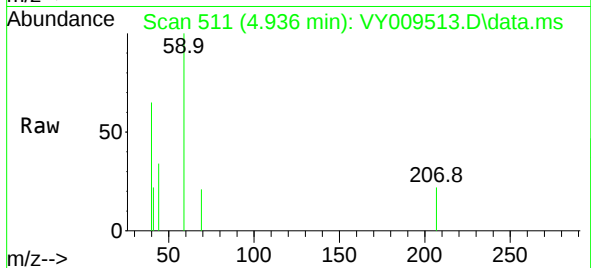
Tgt Ion:142 Resp: 131  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#



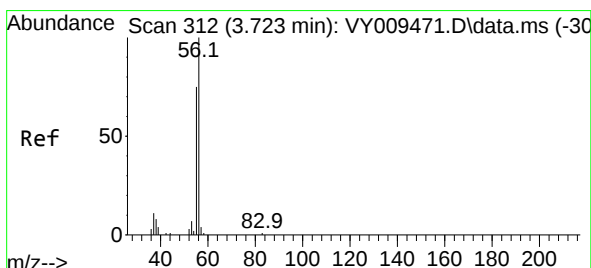
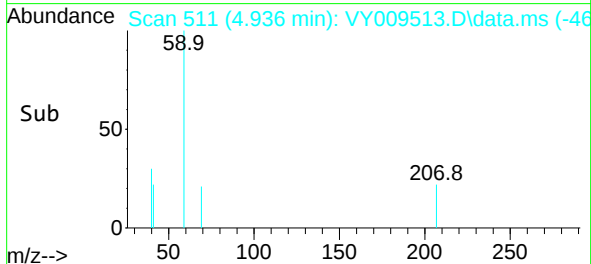
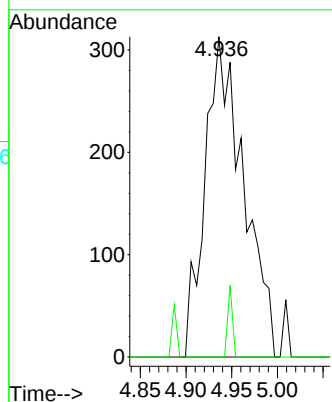


#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

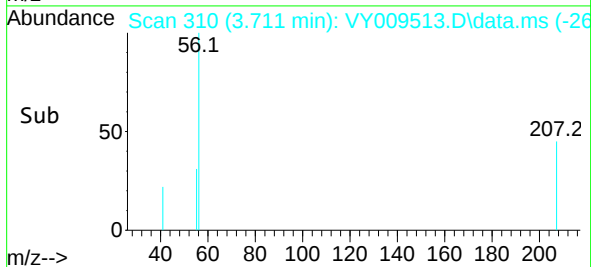
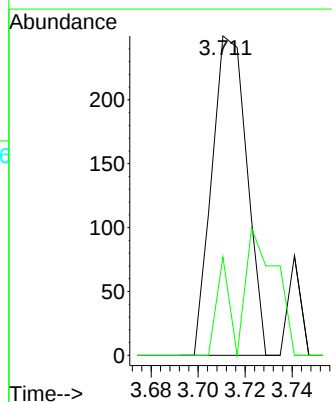
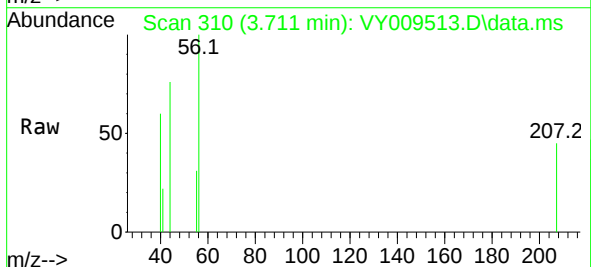


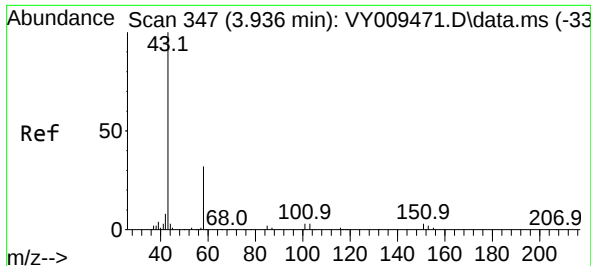
Tgt Ion: 59 Resp: 919  
Ion Ratio Lower Upper  
59 100  
57 2.8 6.4 9.6#



#13  
Acrolein  
Concen: 32.712 ug/l  
RT: 3.711 min Scan# 310  
Delta R.T. -0.012 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Tgt Ion: 56 Resp: 259  
Ion Ratio Lower Upper  
56 100  
55 44.8 57.6 86.4#





#16

Acetone

Concen: 92.186 ug/l

RT: 3.936 min Scan# 347

Delta R.T. 0.000 min

Lab File: VY009513.D

Acq: 11 Jul 2022 16:18

Instrument :

MSVOA\_Y

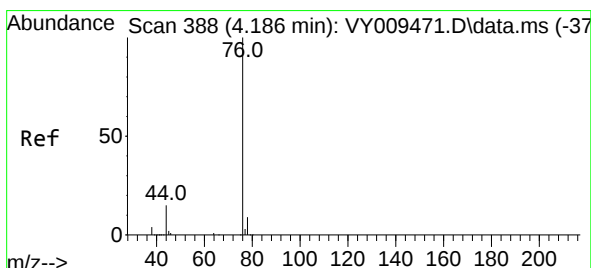
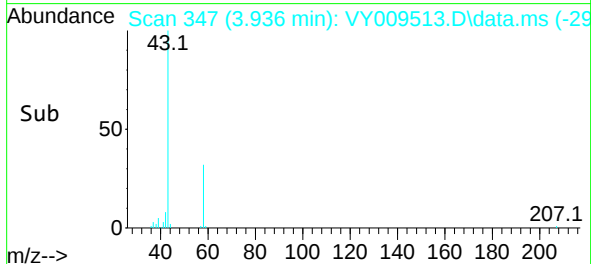
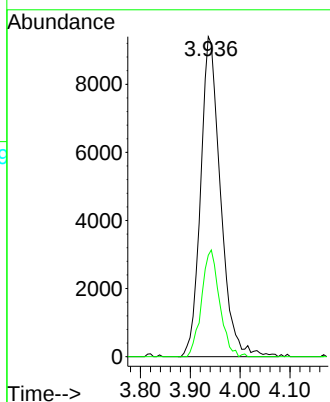
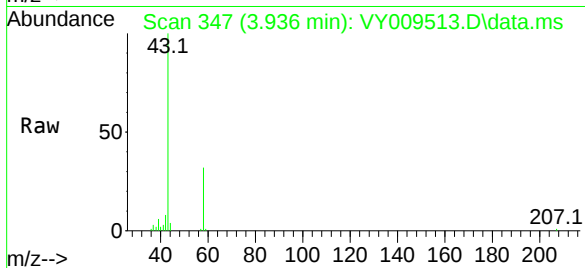
ClientSampleId :

Tgt Ion: 43 Resp: 26083

Ion Ratio Lower Upper

43 100

58 31.7 22.0 33.0



#17

Carbon Disulfide

Concen: 12.451 ug/l

RT: 4.186 min Scan# 388

Delta R.T. 0.000 min

Lab File: VY009513.D

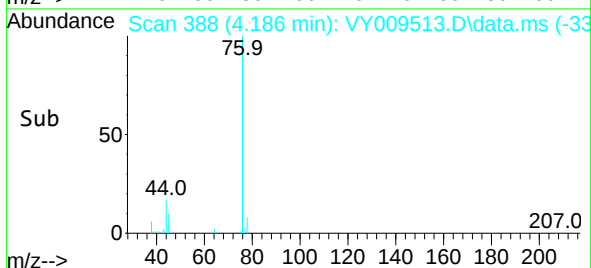
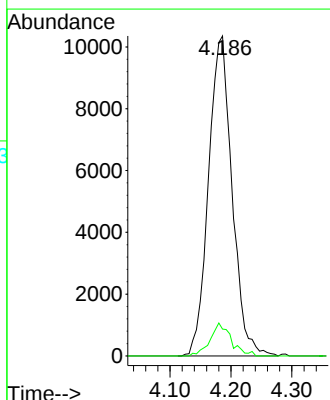
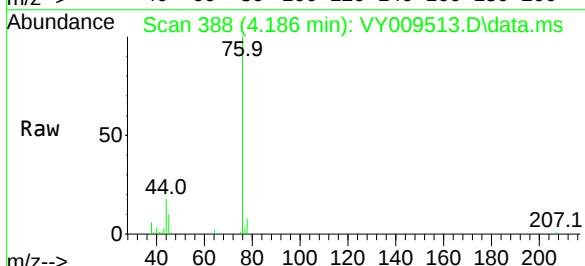
Acq: 11 Jul 2022 16:18

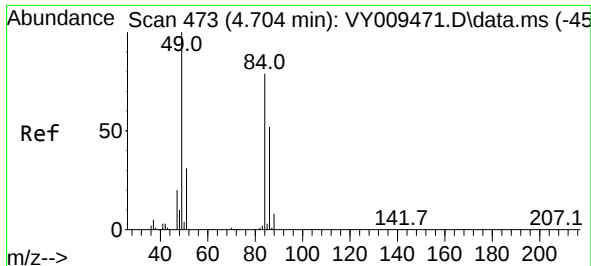
Tgt Ion: 76 Resp: 27850

Ion Ratio Lower Upper

76 100

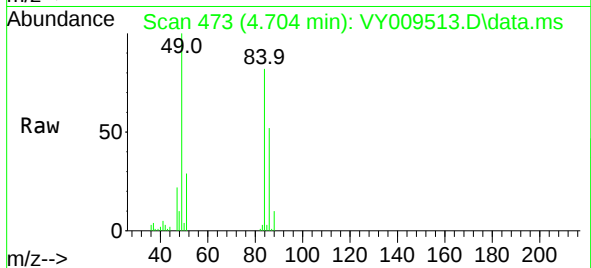
78 8.4 7.4 11.0



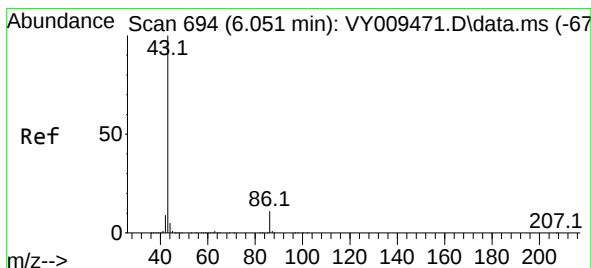
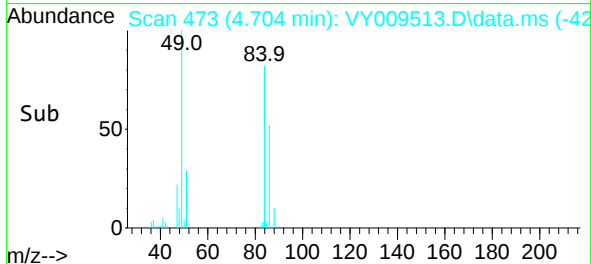
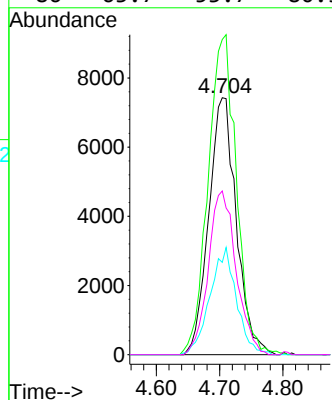


#20  
Methylene Chloride  
Concen: 13.333 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

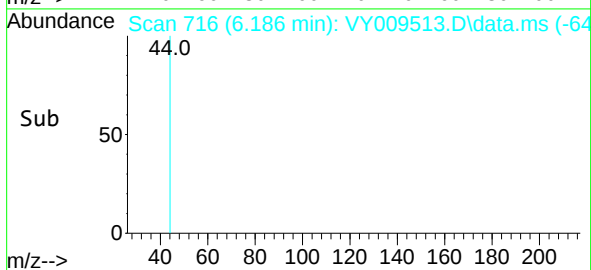
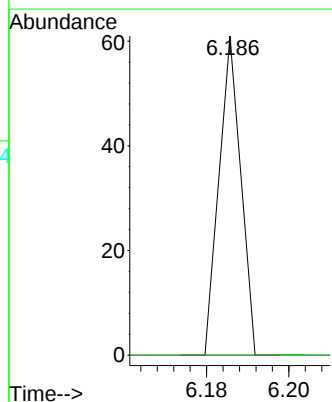
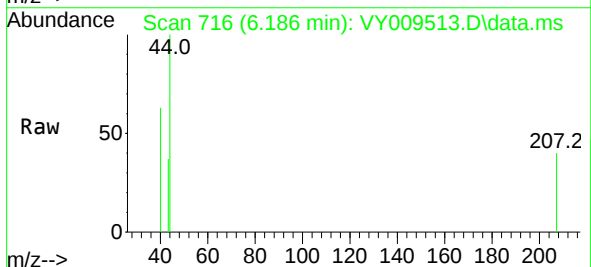


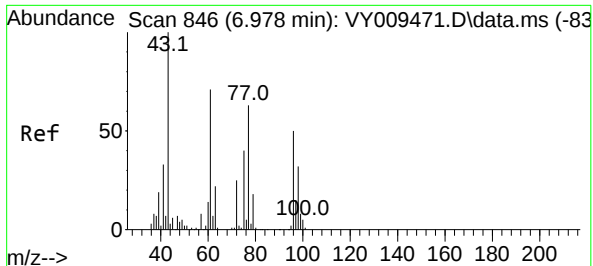
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 22505 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 122.7 | 114.4 | 171.6 |
| 51       | 35.9  | 35.3  | 52.9  |
| 86       | 63.7  | 53.7  | 80.5  |



#23  
Vinyl Acetate  
Concen: Below Cal  
RT: 6.186 min Scan# 716  
Delta R.T. 0.135 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 22    |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 0.0   | 7.1   | 10.7# |





#25

2-Butanone

Concen: 15.171 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

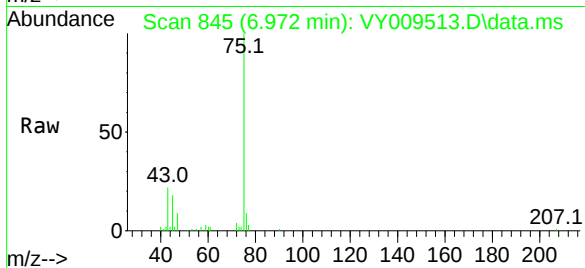
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Acq: 11 Jul 2022 16:18

Instrument :

MSVOA\_Y

ClientSampleId :

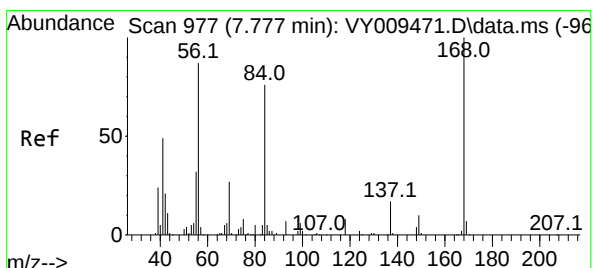
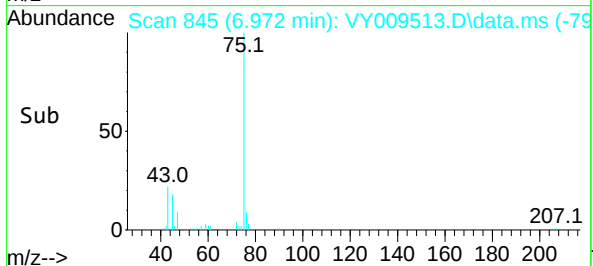
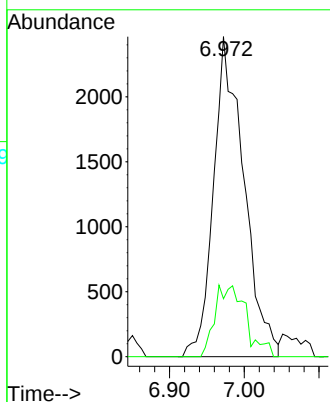


Tgt Ion: 43 Resp: 6944

Ion Ratio Lower Upper

43 100

72 18.1 17.7 26.5



#31

Cyclohexane

Concen: 1.396 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009513.D

Acq: 11 Jul 2022 16:18

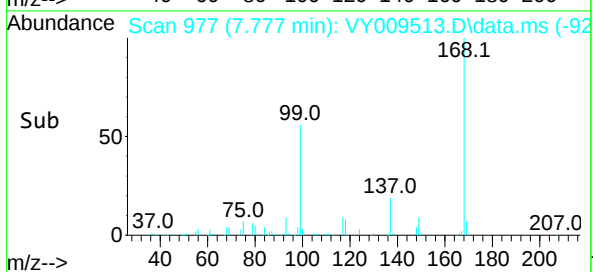
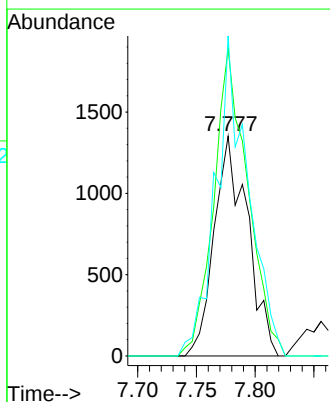
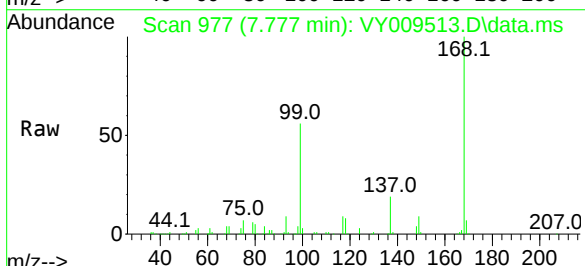
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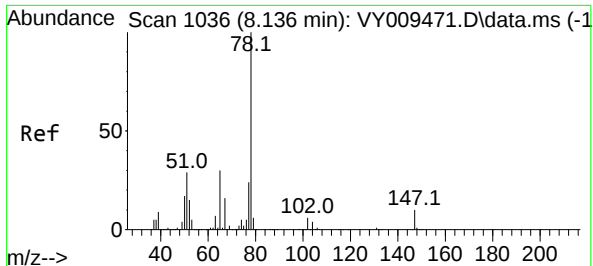
Ion Ratio Lower Upper

56 100

69 140.0 26.7 40.1#

84 145.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.686 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.001 min

Lab File: VY009513.D

Acq: 11 Jul 2022 16:18

Instrument :

MSVOA\_Y

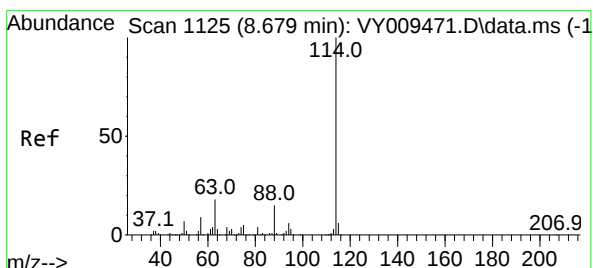
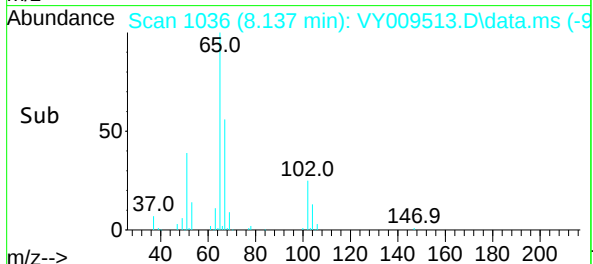
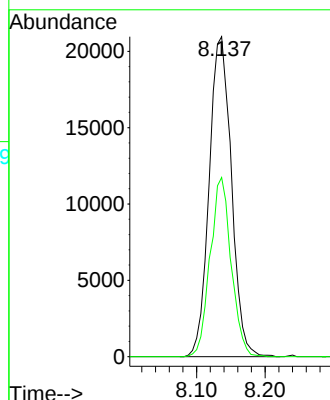
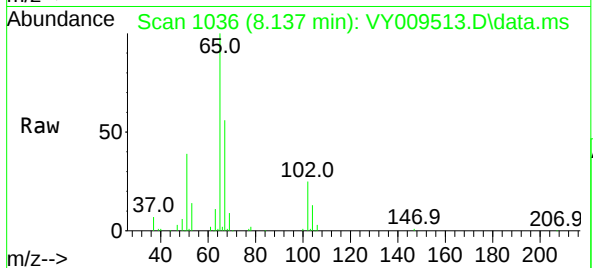
ClientSampleId :

Tgt Ion: 65 Resp: 47159

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. 0.006 min

Lab File: VY009513.D

Acq: 11 Jul 2022 16:18

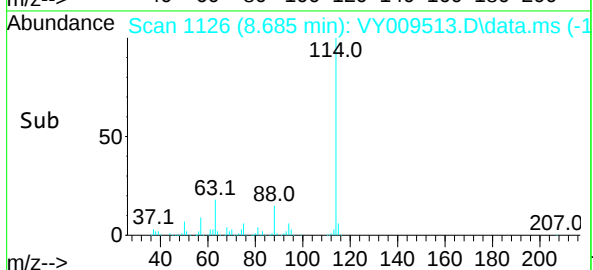
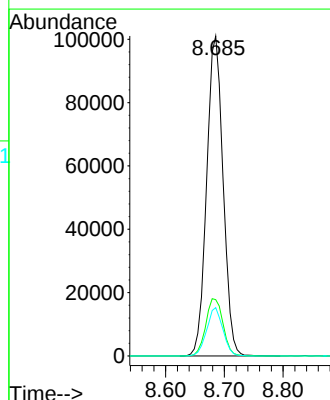
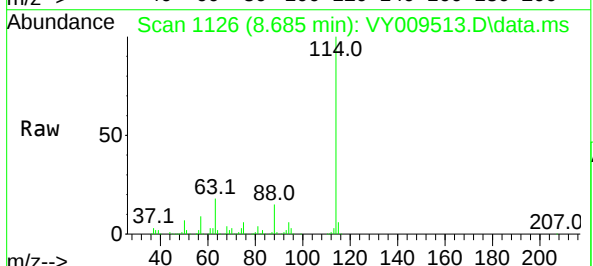
Tgt Ion: 114 Resp: 196355

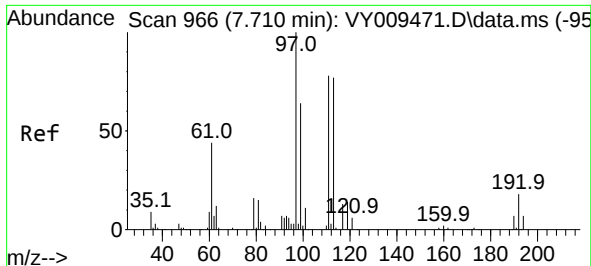
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 15.1 0.0 31.8

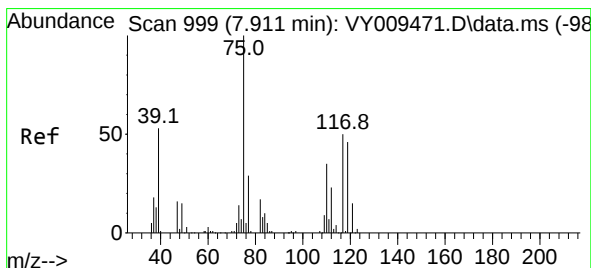
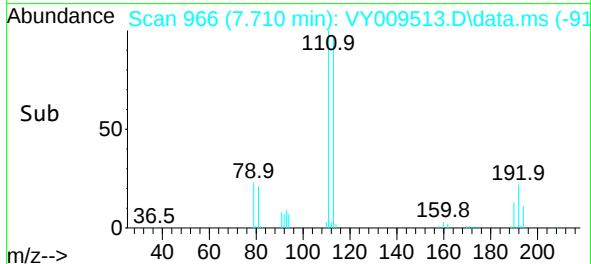
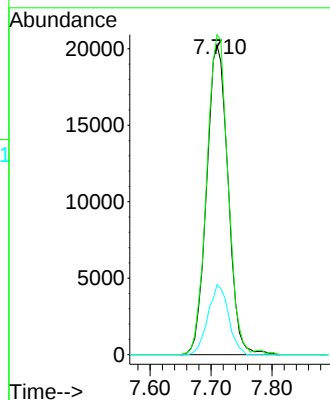
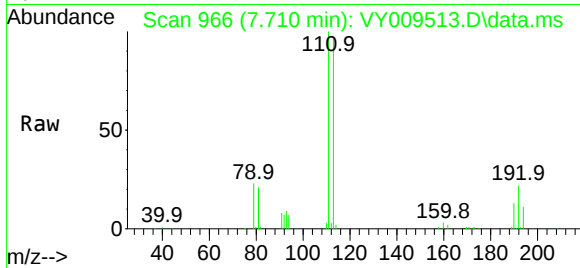




#35  
Dibromofluoromethane  
Concen: 47.831 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

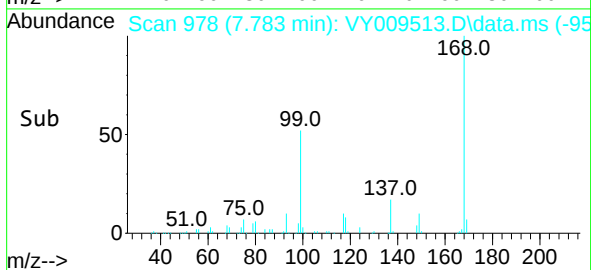
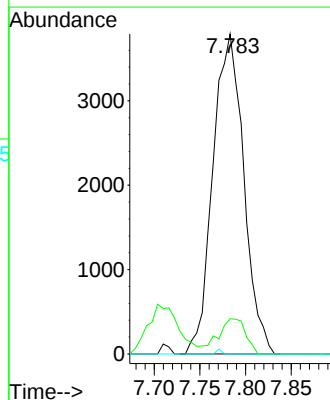
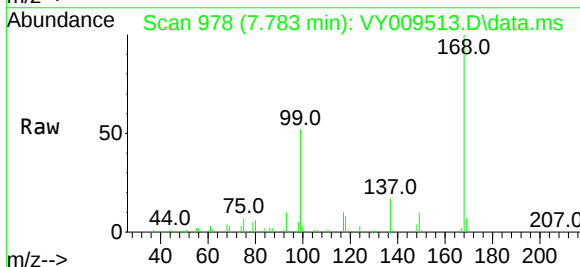
Instrument :  
MSVOA\_Y  
ClientSampleId :

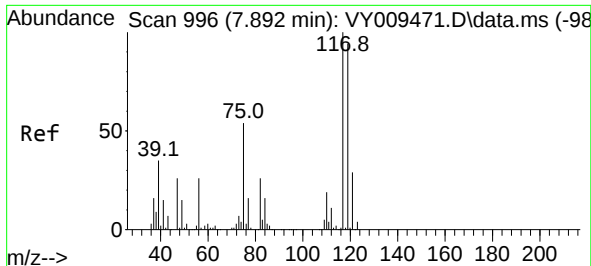
Tgt Ion:113 Resp: 49417  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.6 124.0  
192 21.7 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 5.290 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

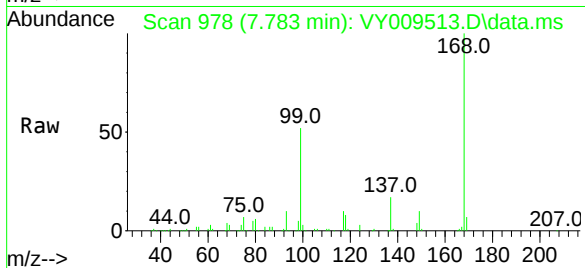
Tgt Ion: 75 Resp: 8898  
Ion Ratio Lower Upper  
75 100  
110 9.7 17.1 51.2#  
77 0.2 24.4 36.6#



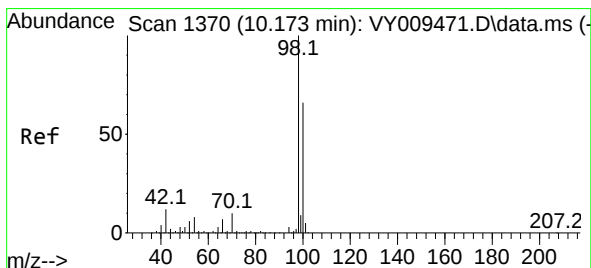
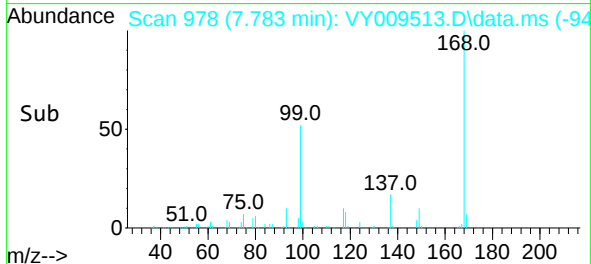
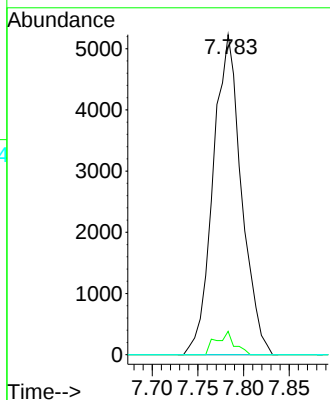


#38  
Carbon Tetrachloride  
Concen: 6.281 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.109 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Instrument :  
MSVOA\_Y  
ClientSampleId :

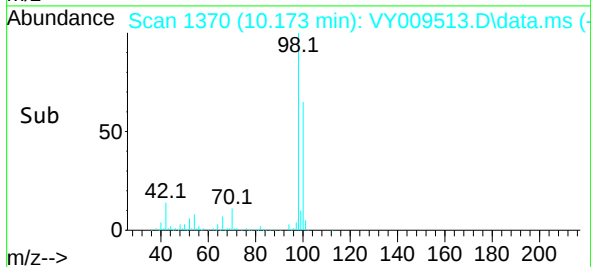
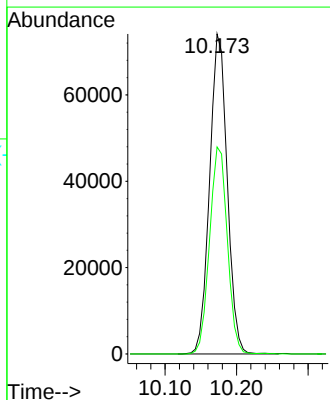
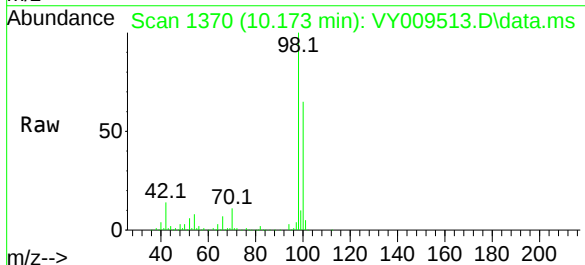


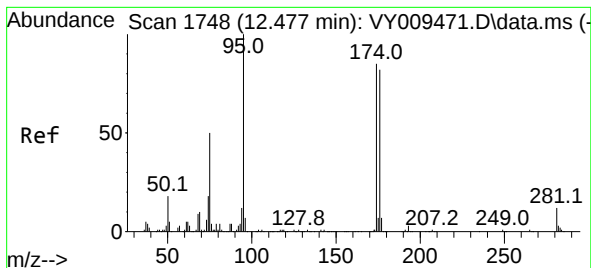
Tgt Ion:117 Resp: 11299  
Ion Ratio Lower Upper  
117 100  
119 7.3 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 43.781 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Tgt Ion: 98 Resp: 126880  
Ion Ratio Lower Upper  
98 100  
100 65.1 50.2 75.2

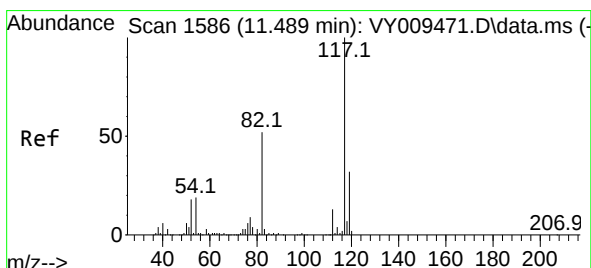
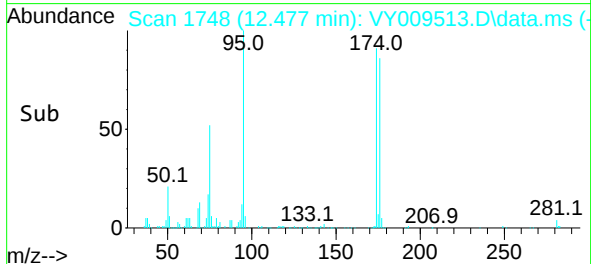
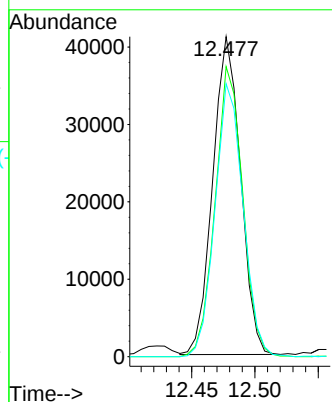
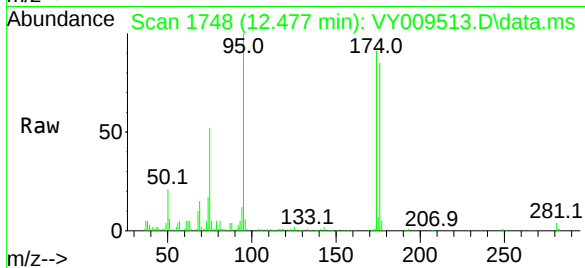




#62  
4-Bromofluorobenzene  
Concen: 42.997 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

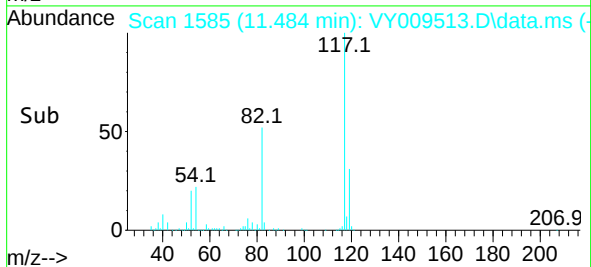
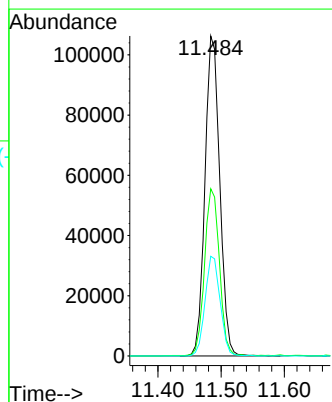
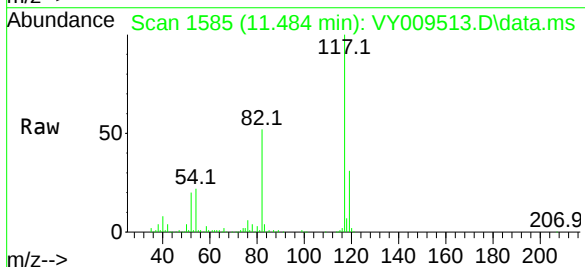
Instrument :  
MSVOA\_Y  
ClientSampleId :

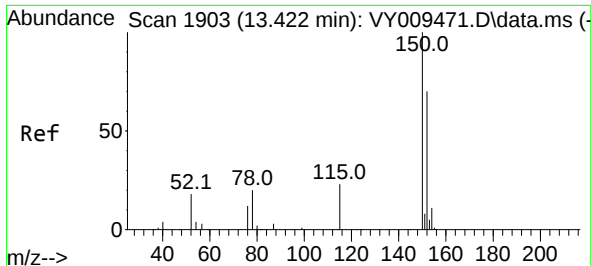
Tgt Ion: 95 Resp: 62706  
Ion Ratio Lower Upper  
95 100  
174 90.4 0.0 177.0  
176 86.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.484 min Scan# 1585  
Delta R.T. -0.005 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

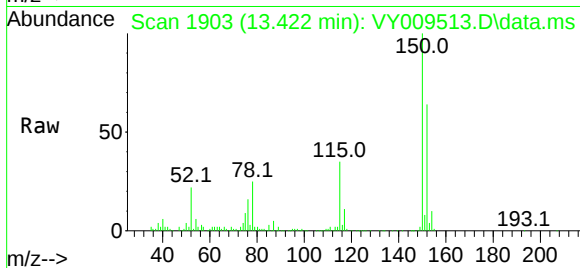
Tgt Ion: 117 Resp: 173269  
Ion Ratio Lower Upper  
117 100  
82 52.1 43.0 64.4  
119 31.2 25.4 38.0



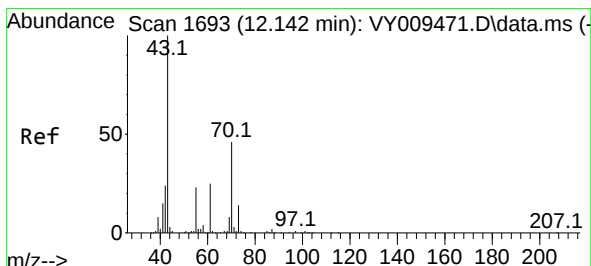
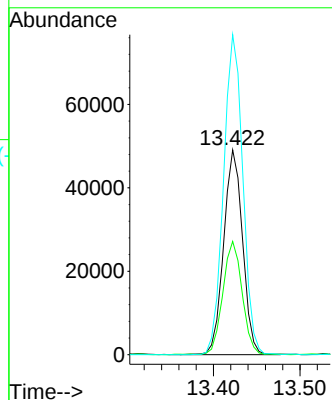
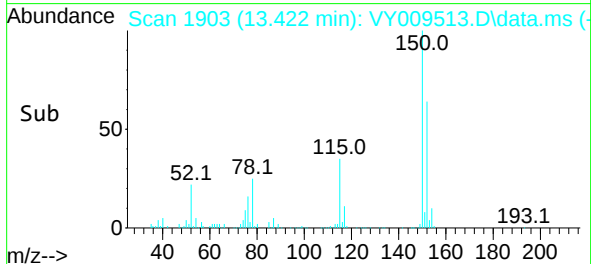


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

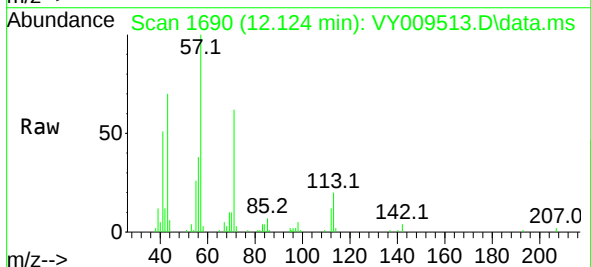
Instrument :  
MSVOA\_Y  
ClientSampleId :



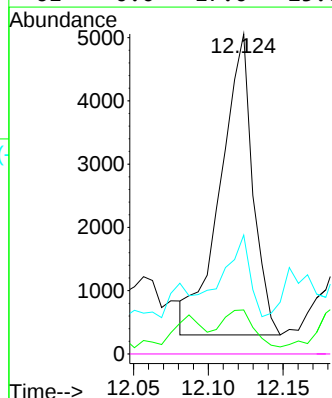
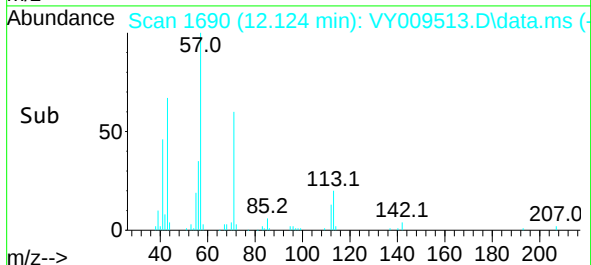
Tgt Ion:152 Resp: 74576  
Ion Ratio Lower Upper  
152 100  
115 56.7 28.2 84.7  
150 159.0 0.0 347.6

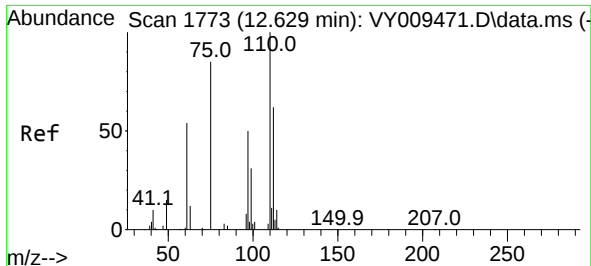


#74  
N-ethyl acetate  
Concen: 4.932 ug/l  
RT: 12.124 min Scan# 1690  
Delta R.T. -0.018 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18



Tgt Ion: 43 Resp: 7157  
Ion Ratio Lower Upper  
43 100  
70 12.2 28.7 43.1#  
55 29.8 17.3 25.9#  
61 0.0 17.0 25.6#

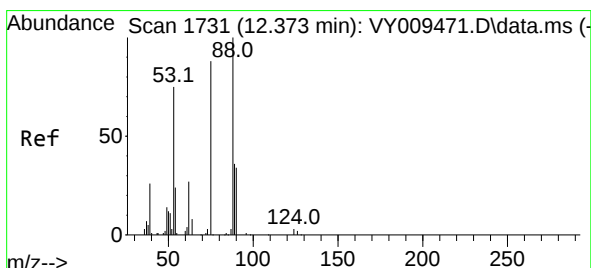
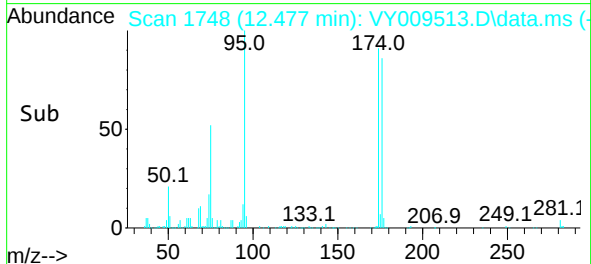
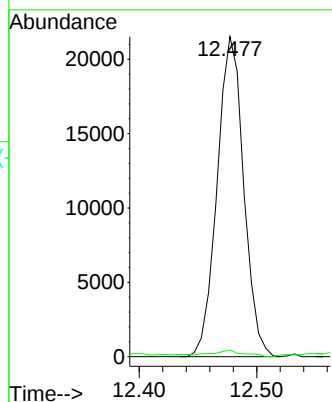
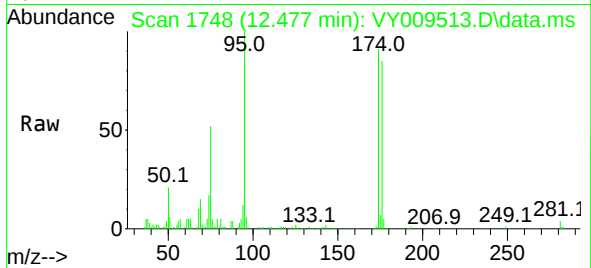




#76  
1,2,3-Trichloropropane  
Concen: 42.815 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

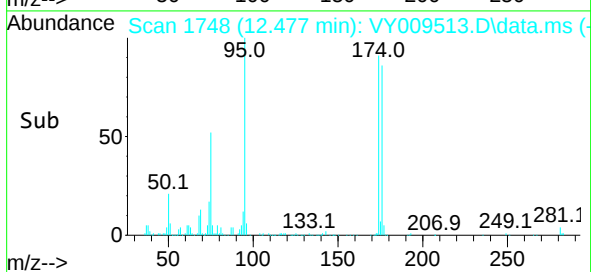
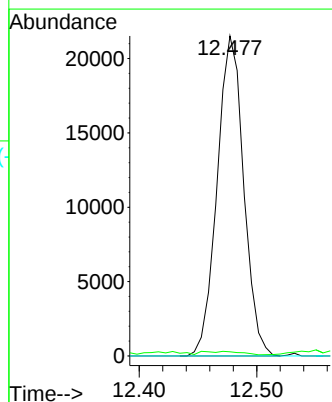
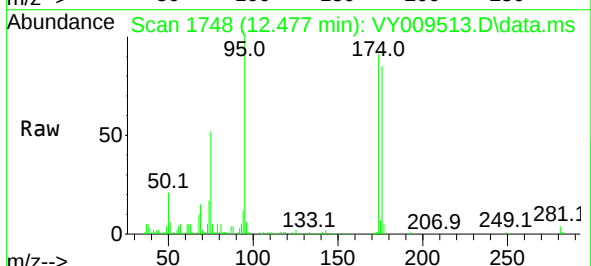
Instrument :  
MSVOA\_Y  
ClientSampleId :

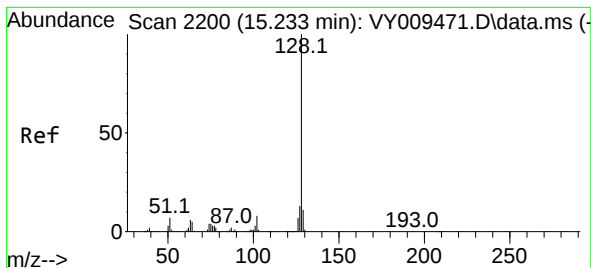
Tgt Ion: 75 Resp: 33800  
Ion Ratio Lower Upper  
75 100  
77 2.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.627 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY009513.D  
Acq: 11 Jul 2022 16:18

Tgt Ion: 75 Resp: 33800  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 1.260 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

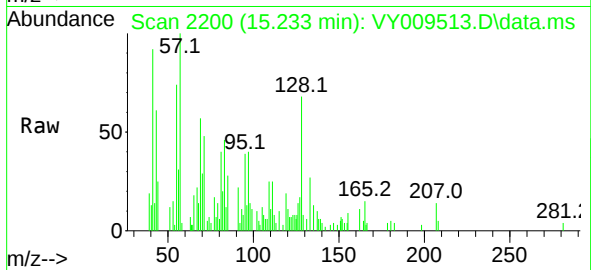
Lab File: VY009513.D

Acq: 11 Jul 2022 16:18

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion:128 Resp: 3567

Ion Ratio Lower Upper

128 100

127 29.3 11.0 16.4#

129 14.5 8.4 12.6#

