

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072522\  
 Data File : VY009683.D  
 Acq On : 25 Jul 2022 13:51  
 Operator : KP/MD  
 Sample : N3839-04  
 Misc : 6.11g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FIELD-DUPLICATE-01

Quant Time: Jul 26 05:56:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

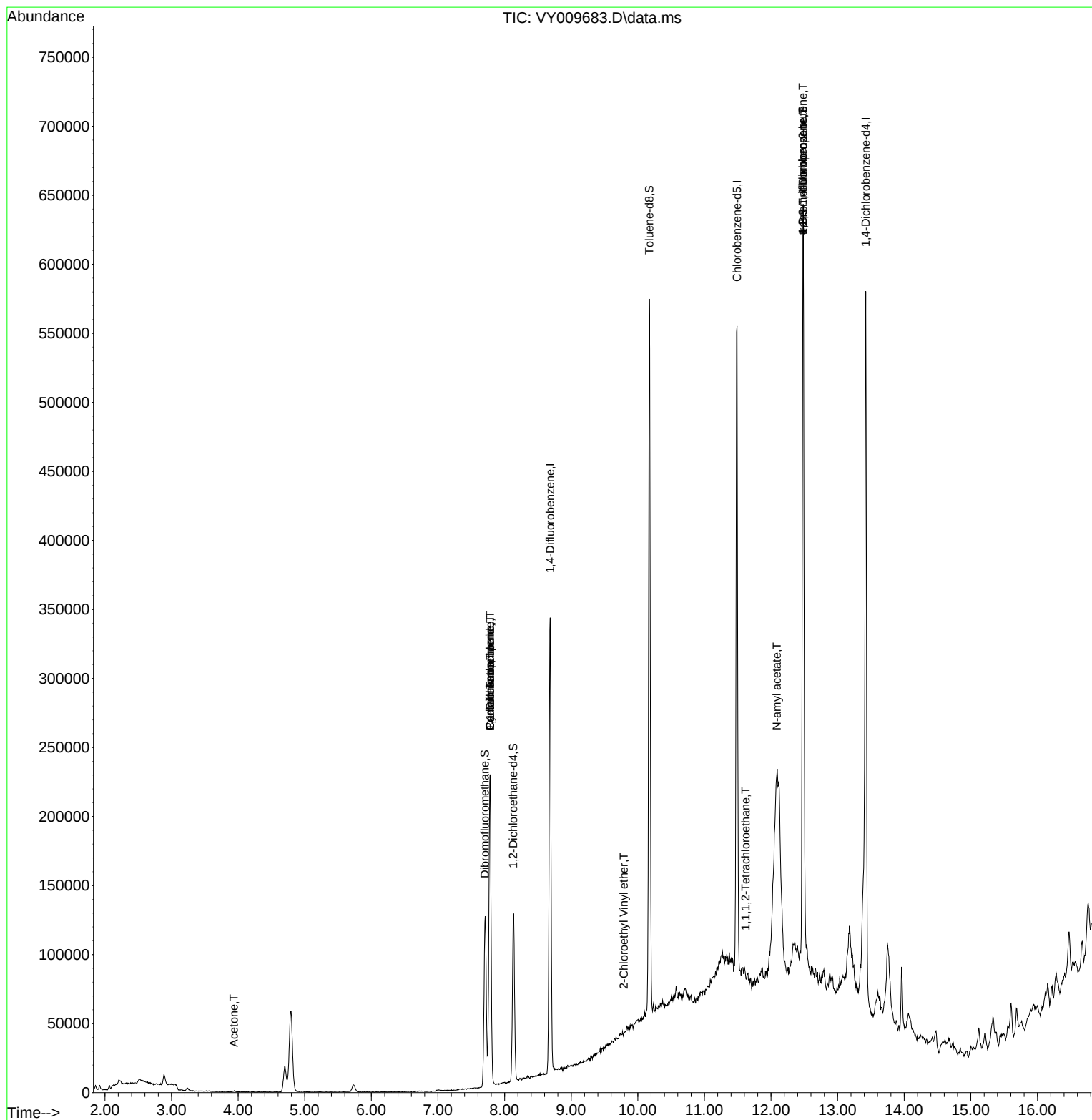
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783     | 168   | 188918   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685     | 114   | 292212   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 276165   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152   | 129078   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65    | 92389    | 51.709    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 103.420% |          |
| 35) Dibromofluoromethane      | 7.704     | 113   | 87715    | 47.647    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 95.300%  |          |
| 50) Toluene-d8                | 10.173    | 98    | 341881   | 48.308    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 125 | Recovery  | = 96.620%  |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95    | 125020   | 54.518    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 146 | Recovery  | = 109.040% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           |            | Qvalue   |
| 11) Tert butyl alcohol        | 4.936     | 59    | 646      | Below Cal | #          | 77       |
| 16) Acetone                   | 3.936     | 43    | 1036     | 2.292     | ug/l       | 93       |
| 20) Methylene Chloride        | 4.698     | 84    | 13757    | Below Cal | #          | 75       |
| 31) Cyclohexane               | 7.783     | 56    | 3662     | 1.162     | ug/l       | # 7      |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 11683    | 4.295     | ug/l       | # 58     |
| 38) Carbon Tetrachloride      | 7.783     | 117   | 17317    | 6.081     | ug/l       | # 17     |
| 58) 2-Chloroethyl Vinyl ether | 9.789     | 63    | 82       | 28.346    | ug/l       | # 1      |
| 66) 1,1,1,2-Tetrachloroethane | 11.618    | 131   | 2662     | 1.270     | ug/l       | # 11     |
| 74) N-amyl acetate            | 12.087    | 43    | 7293     | 3.068     | ug/l       | # 1      |
| 76) 1,2,3-Trichloropropane    | 12.477    | 75    | 59473    | 48.367    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.477    | 75    | 59473    | 95.370    | ug/l       | # 11     |
| -----                         |           |       |          |           |            |          |

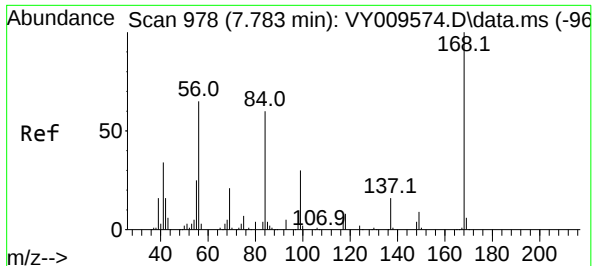
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY072522\  
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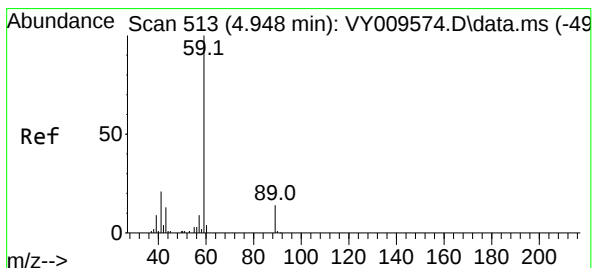
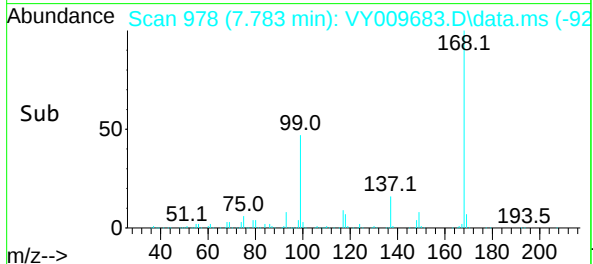
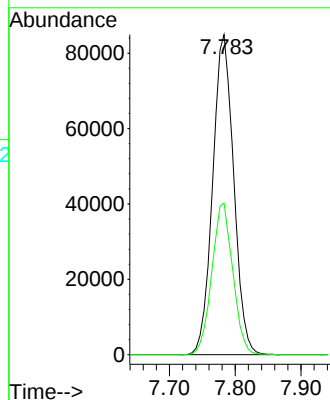
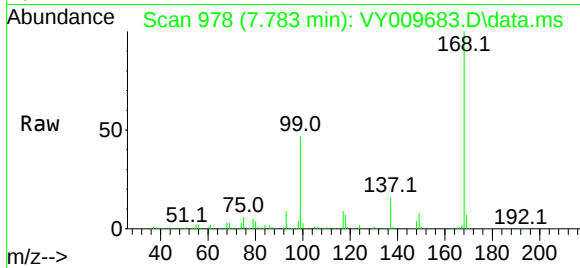




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

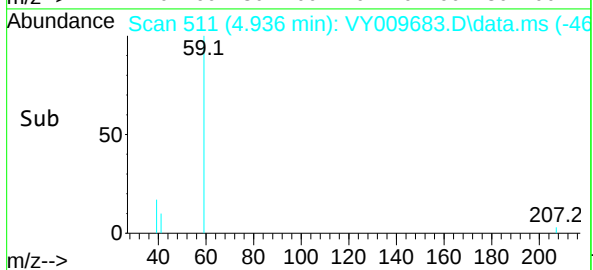
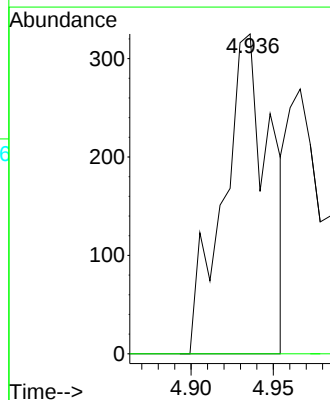
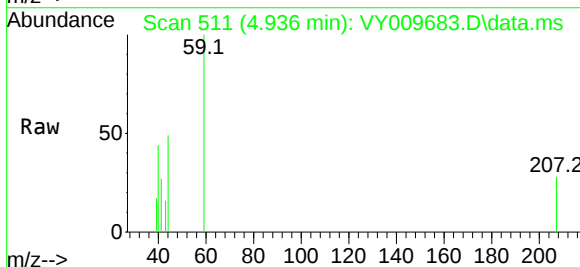
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MSVOA\_Y  
ClientSampleId :  
FIELD-DUPLICATE-01

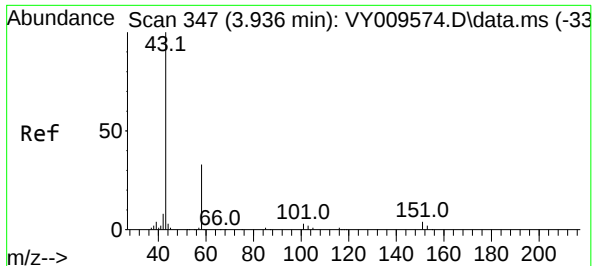
Tgt Ion:168 Resp: 188918  
Ion Ratio Lower Upper  
168 100  
99 47.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 511  
Delta R.T. -0.012 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 59 Resp: 646  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

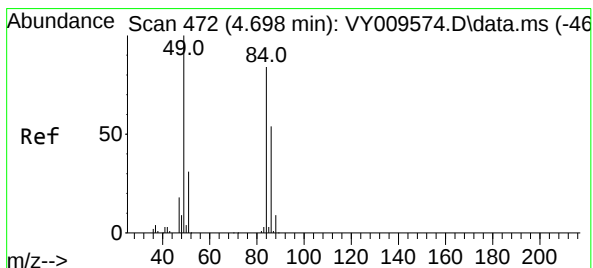
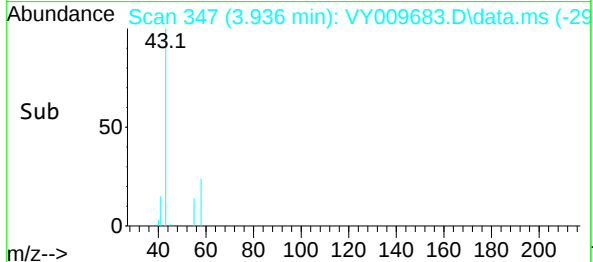
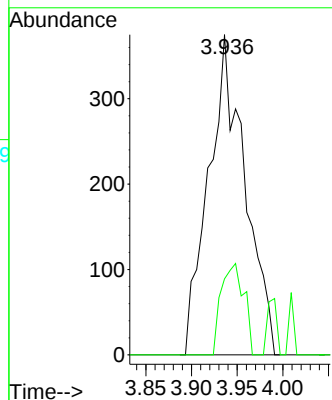
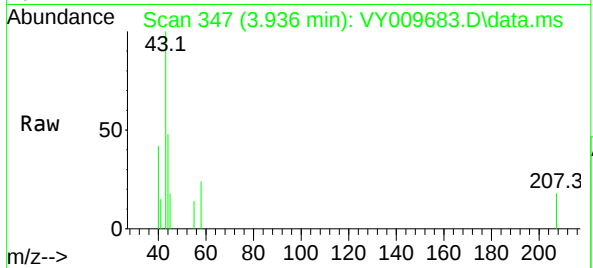




#16  
Acetone  
Concen: 2.292 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. 0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

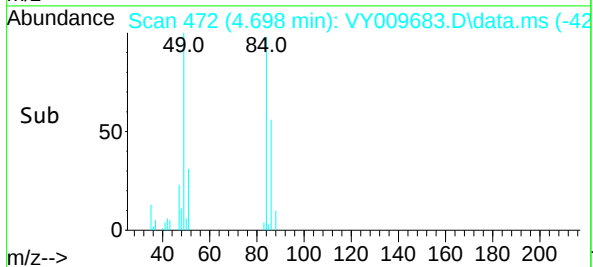
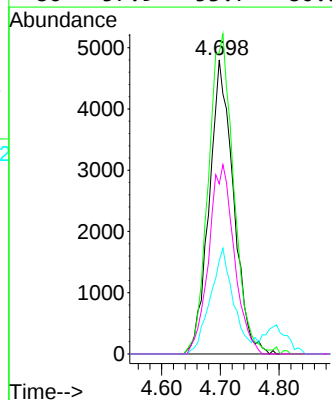
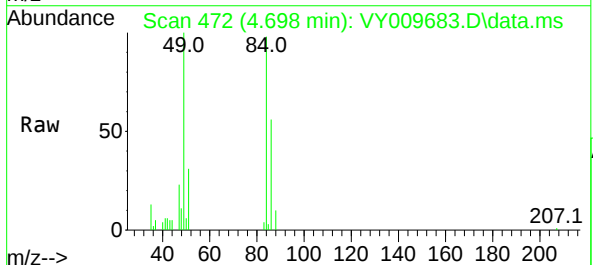
Instrument :  
MSVOA\_Y  
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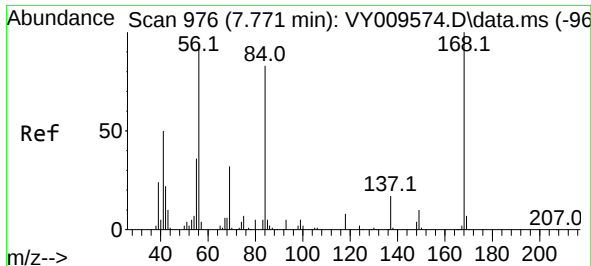
Tgt Ion: 43 Resp: 1036  
Ion Ratio Lower Upper  
43 100  
58 23.7 22.0 33.0



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.698 min Scan# 472  
Delta R.T. 0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 84 Resp: 13757  
Ion Ratio Lower Upper  
84 100  
49 102.4 114.4 171.6#  
51 31.7 35.3 52.9#  
86 57.9 53.7 80.5

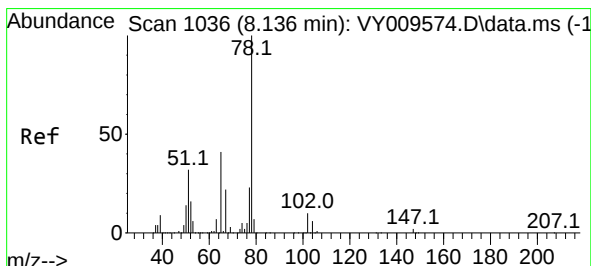
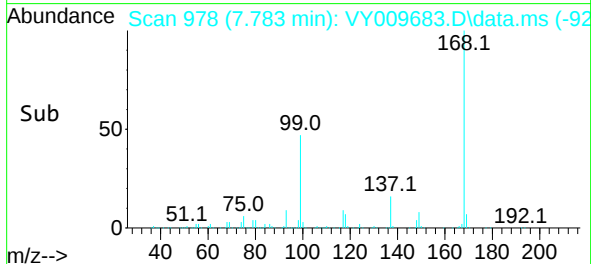
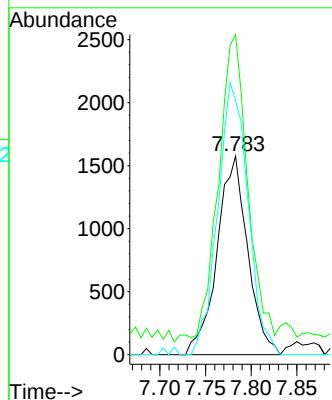
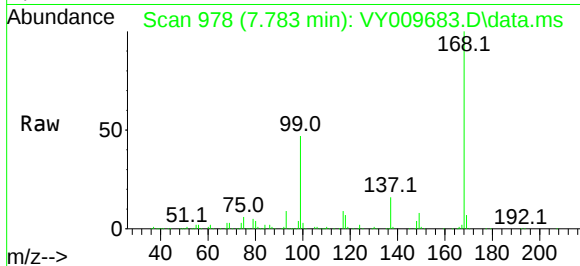




#31  
Cyclohexane  
Concen: 1.162 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

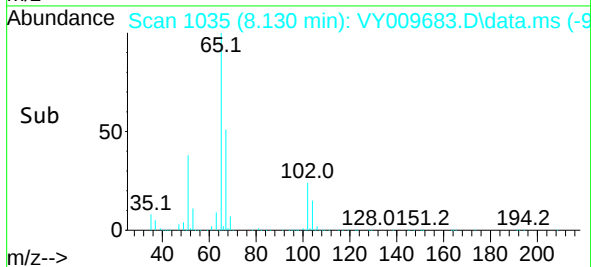
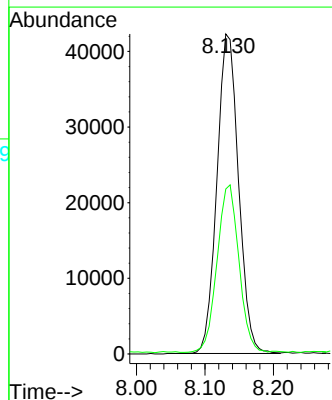
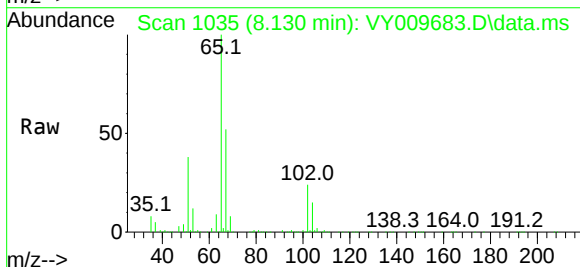
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FIELD-DUPLICATE-01

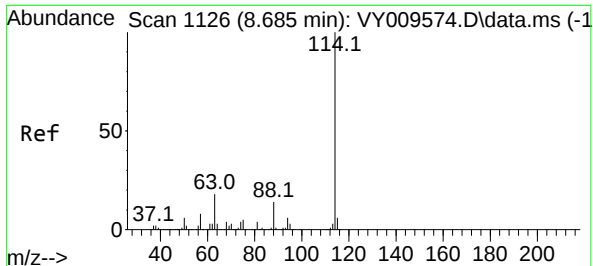
Tgt Ion: 56 Resp: 3662  
Ion Ratio Lower Upper  
56 100  
69 151.3 26.7 40.1#  
84 127.7 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 51.709 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 65 Resp: 92389  
Ion Ratio Lower Upper  
65 100  
67 53.1 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: VY009683.D

Acq: 25 Jul 2022 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

FIELD-DUPLICATE-01

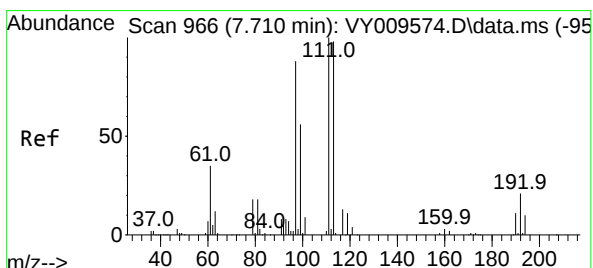
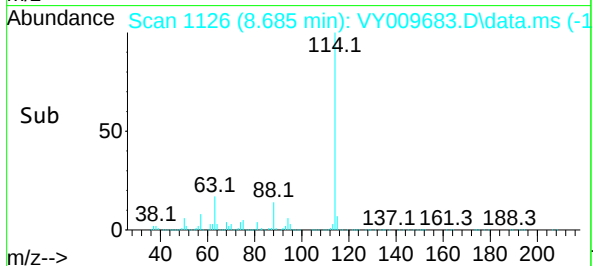
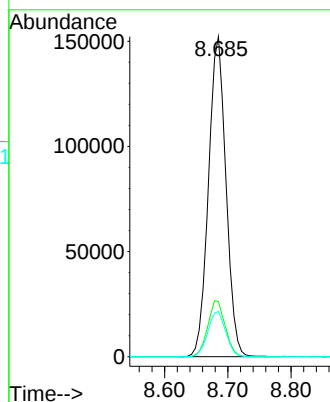
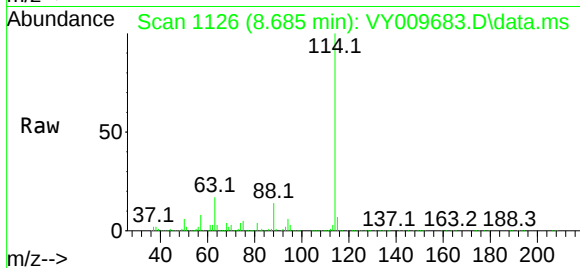
Tgt Ion:114 Resp: 292212

Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.647 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.006 min

Lab File: VY009683.D

Acq: 25 Jul 2022 13:51

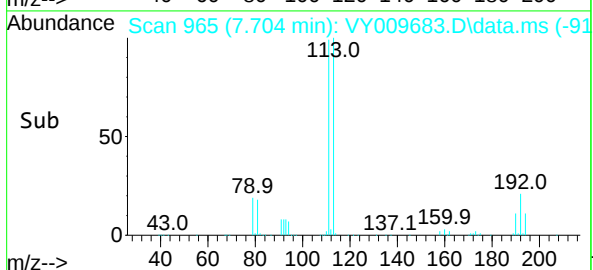
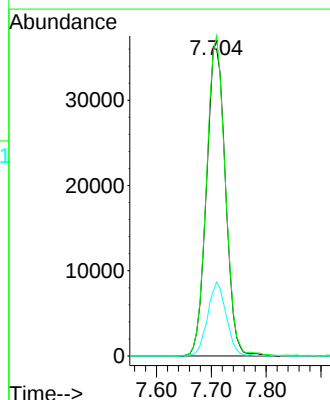
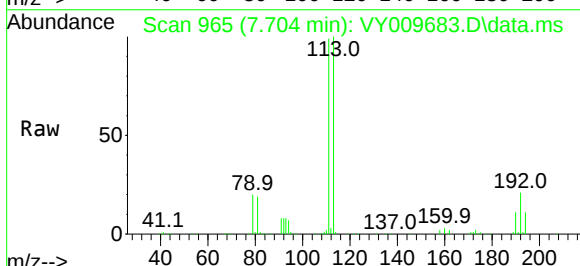
Tgt Ion:113 Resp: 87715

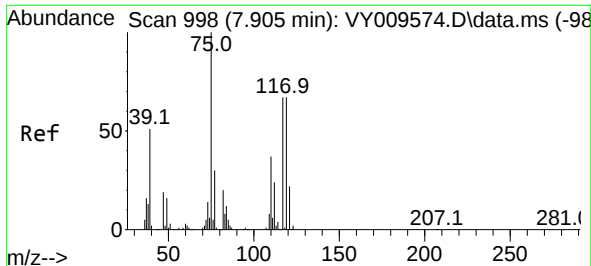
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 23.3 17.6 26.4

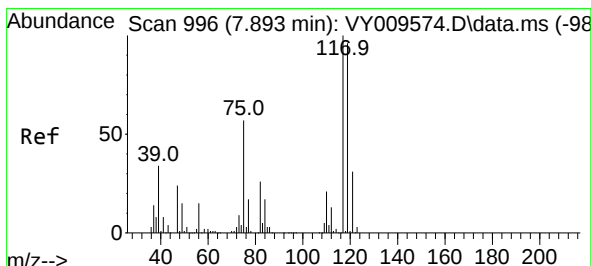
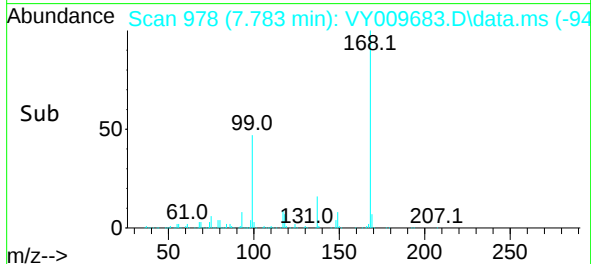
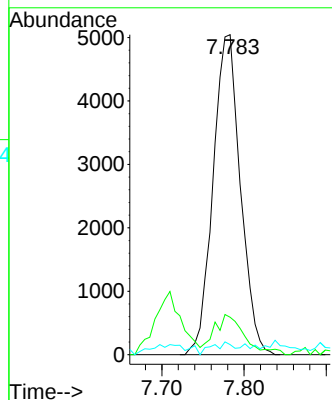
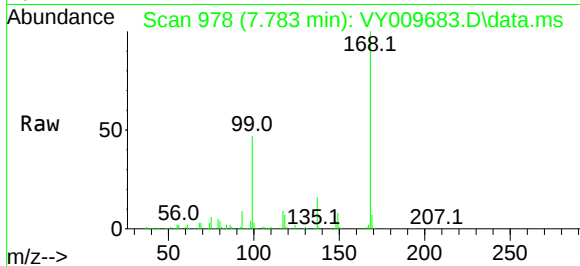




#36  
1,1-Dichloropropene  
Concen: 4.295 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.122 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

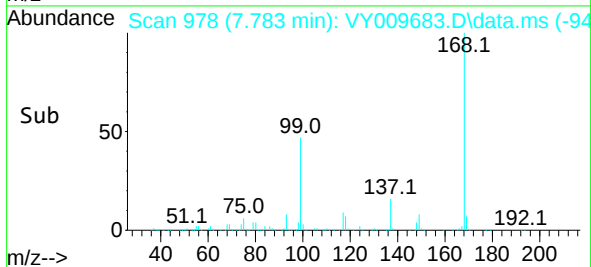
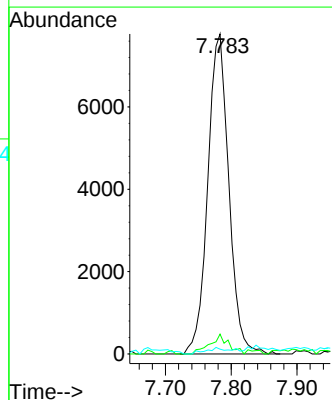
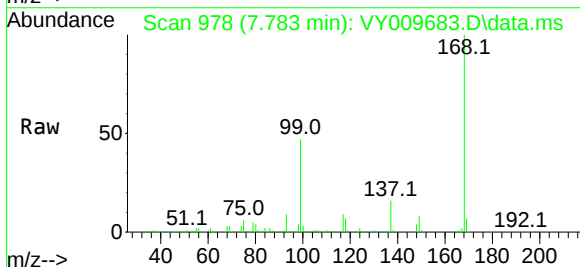
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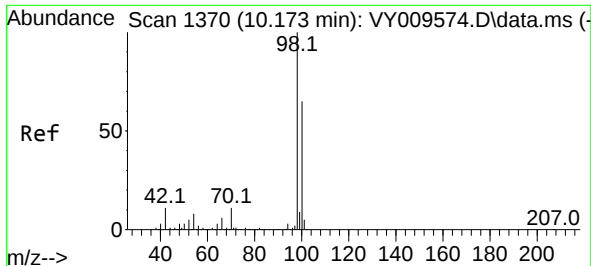
Tgt Ion: 75 Resp: 11683  
Ion Ratio Lower Upper  
75 100  
110 14.0 17.1 51.2#  
77 3.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 6.081 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.110 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 117 Resp: 17317  
Ion Ratio Lower Upper  
117 100  
119 6.2 77.9 116.9#  
121 0.8 24.8 37.2#

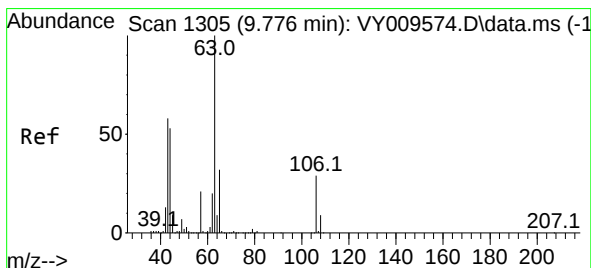
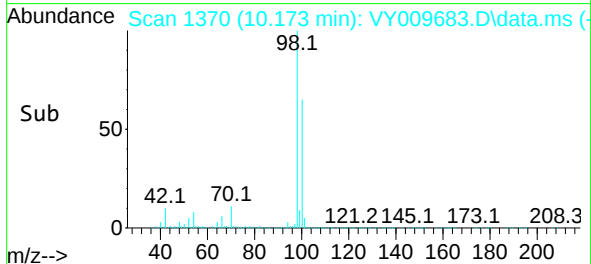
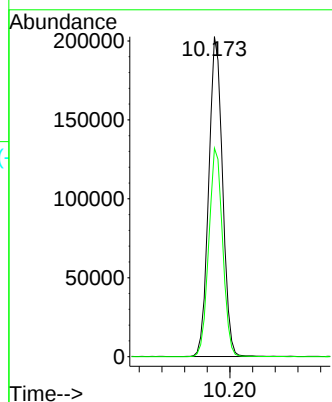
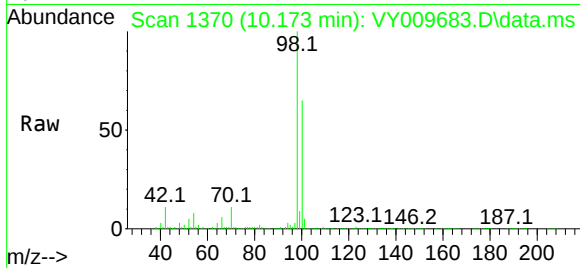




#50  
Toluene-d8  
Concen: 48.308 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

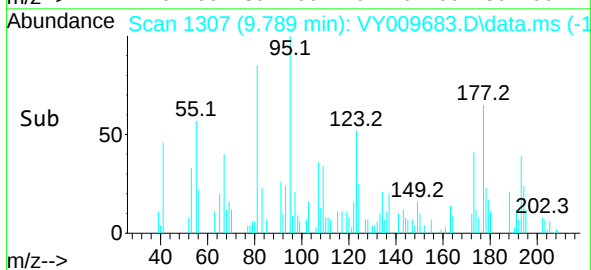
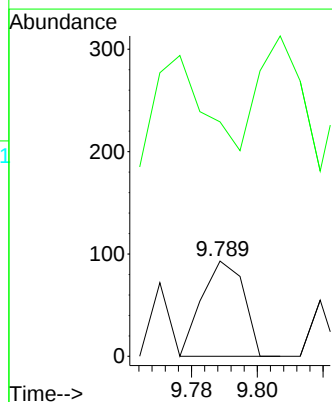
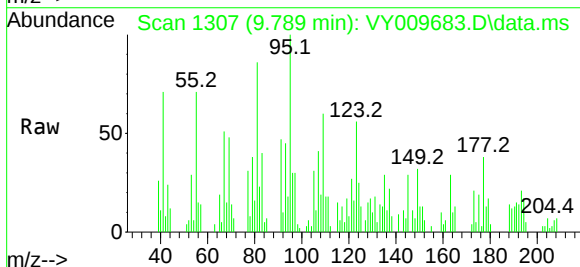
Instrument :  
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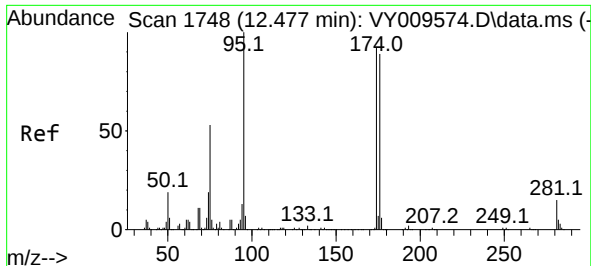
Tgt Ion: 98 Resp: 341881  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#58  
2-Chloroethyl Vinyl ether  
Concen: 28.346 ug/l  
RT: 9.789 min Scan# 1307  
Delta R.T. 0.013 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 63 Resp: 82  
Ion Ratio Lower Upper  
63 100  
106 193.9 21.5 32.3#

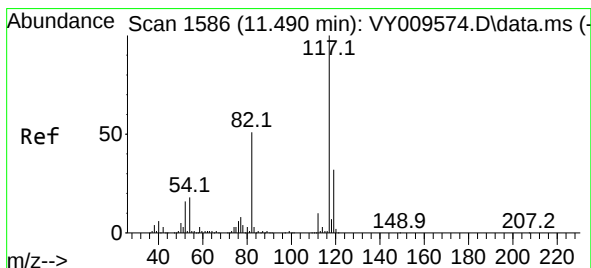
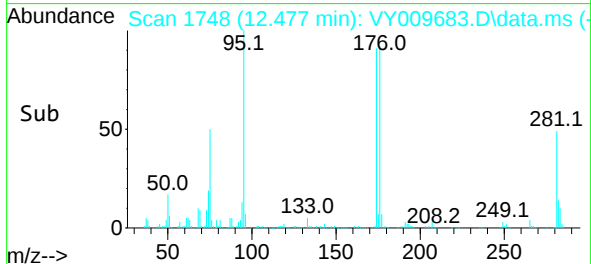
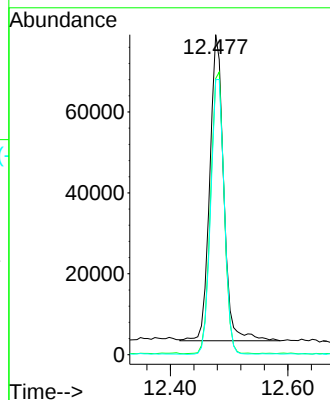
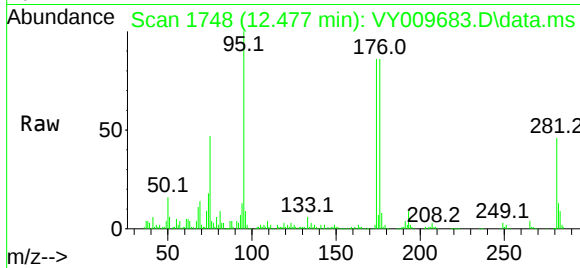




#62  
4-Bromofluorobenzene  
Concen: 54.518 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

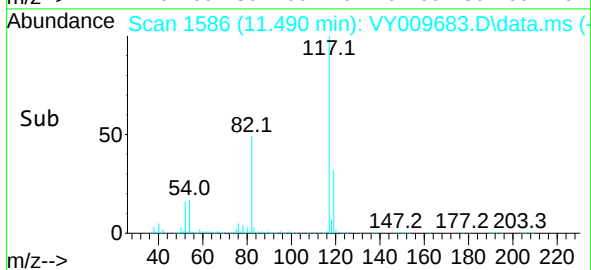
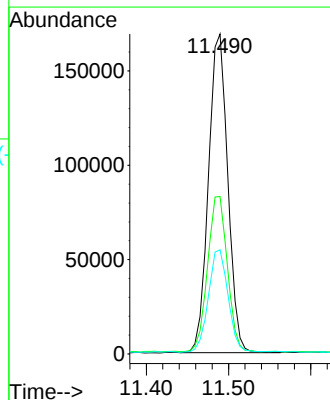
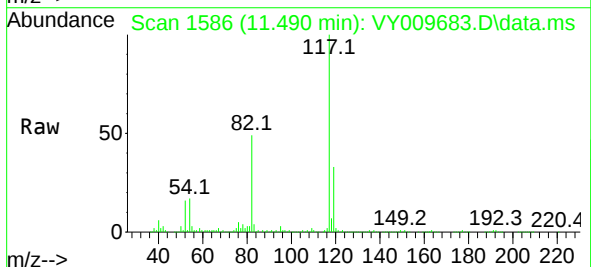
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FIELD-DUPLICATE-01

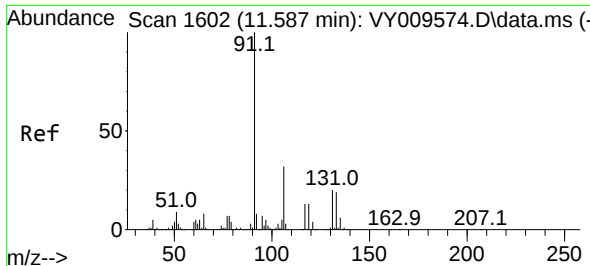
Tgt Ion: 95 Resp: 125020  
Ion Ratio Lower Upper  
95 100  
174 88.4 0.0 177.0  
176 87.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 117 Resp: 276165  
Ion Ratio Lower Upper  
117 100  
82 48.6 43.0 64.4  
119 32.2 25.4 38.0

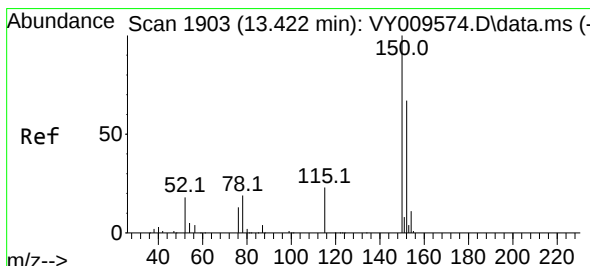
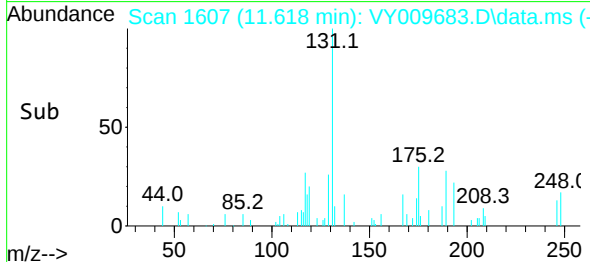
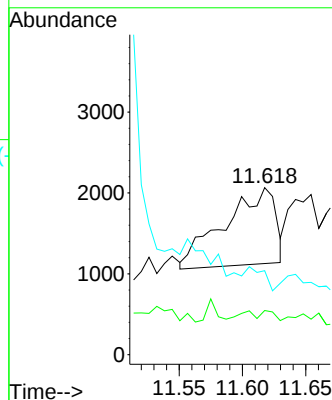
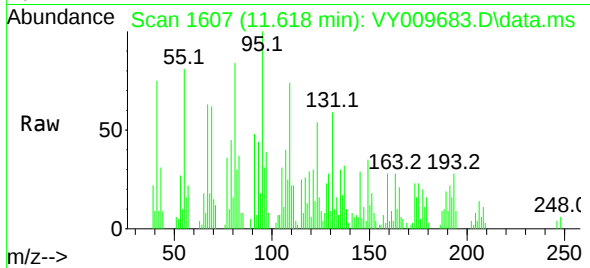




#66  
1,1,1,2-Tetrachloroethane  
Concen: 1.270 ug/l  
RT: 11.618 min Scan# 1607  
Delta R.T. 0.030 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

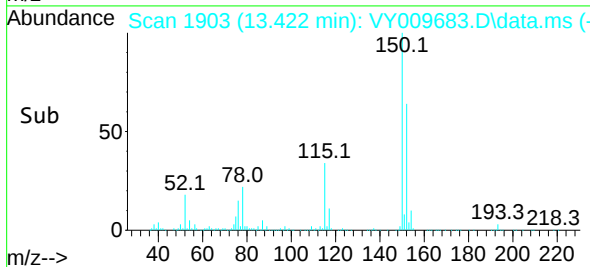
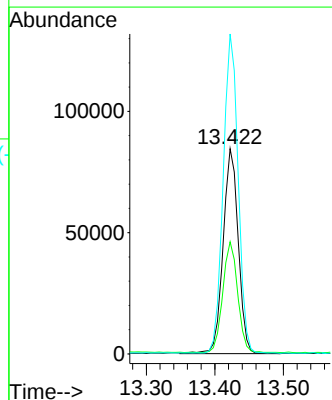
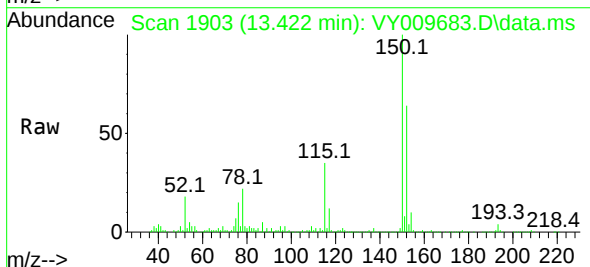
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FIELD-DUPLICATE-01

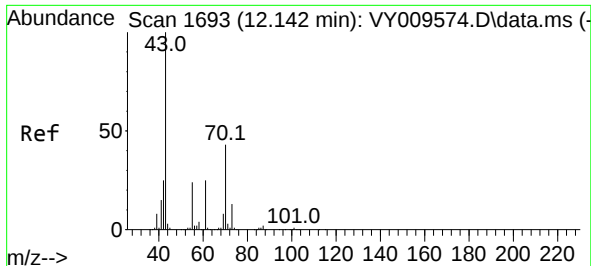
Tgt Ion:131 Resp: 2662  
Ion Ratio Lower Upper  
131 100  
133 3.0 47.9 143.6#  
119 0.0 30.8 92.3#



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion:152 Resp: 129078  
Ion Ratio Lower Upper  
152 100  
115 52.9 28.2 84.7  
150 153.8 0.0 347.6

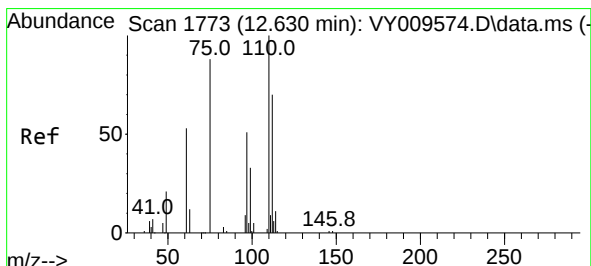
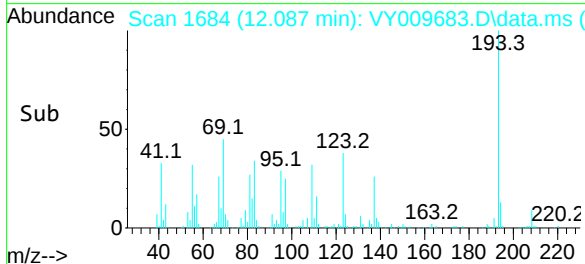
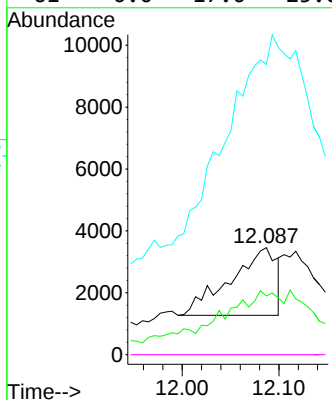
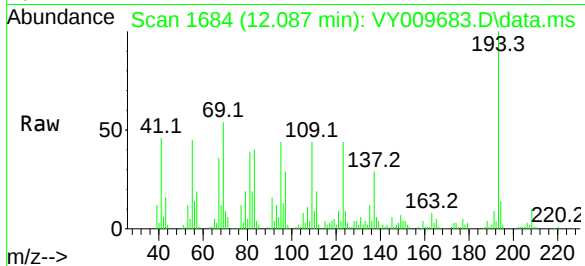




#74  
N-amy1 acetate  
Concen: 3.068 ug/l  
RT: 12.087 min Scan# 1748  
Delta R.T. -0.055 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

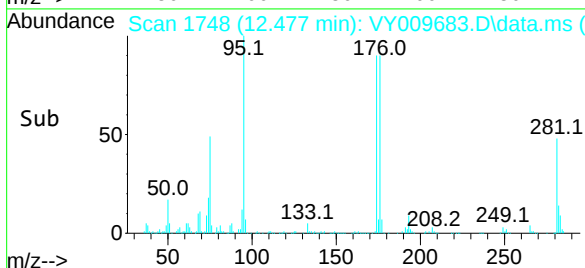
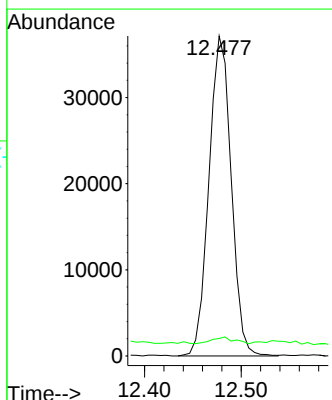
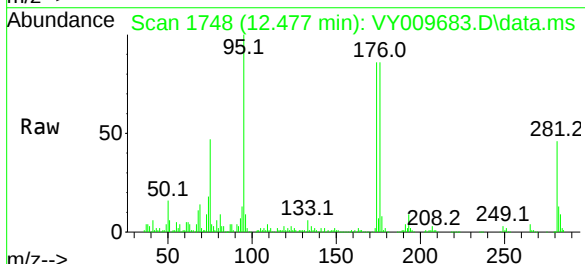
Instrument :  
MSVOA\_Y  
ClientSampleId :  
FIELD-DUPLICATE-01

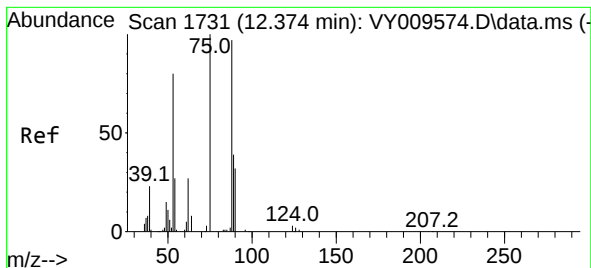
Tgt Ion: 43 Resp: 7293  
Ion Ratio Lower Upper  
43 100  
70 100.5 28.7 43.1#  
55 674.5 17.3 25.9#  
61 0.0 17.0 25.6#



#76  
1,2,3-Trichloropropane  
Concen: 48.367 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY009683.D  
Acq: 25 Jul 2022 13:51

Tgt Ion: 75 Resp: 59473  
Ion Ratio Lower Upper  
75 100  
77 2.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 95.370 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY009683.D  
 Acq: 25 Jul 2022 13:51

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 FIELD-DUPLICATE-01

Tgt Ion: 75 Resp: 59473  
 Ion Ratio Lower Upper  
 75 100  
 53 4.3 85.3 127.9#  
 89 1.2 37.0 55.4#

