

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
 Data File : VY008608.D  
 Acq On : 04 May 2022 13:39  
 Operator : KP/MD  
 Sample : N2619-01  
 Misc : 5.88g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS01-1-2-FT

Quant Time: May 05 04:34:55 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 01:57:20 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 130560   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 221894   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 227415   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 111890   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 64772    | 51.044   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.080% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 69781    | 47.526   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 95.060%  |
| 50) Toluene-d8              | 10.179 | 98    | 265946   | 51.126   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 102.260% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 94595    | 49.615   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 99.220%  |

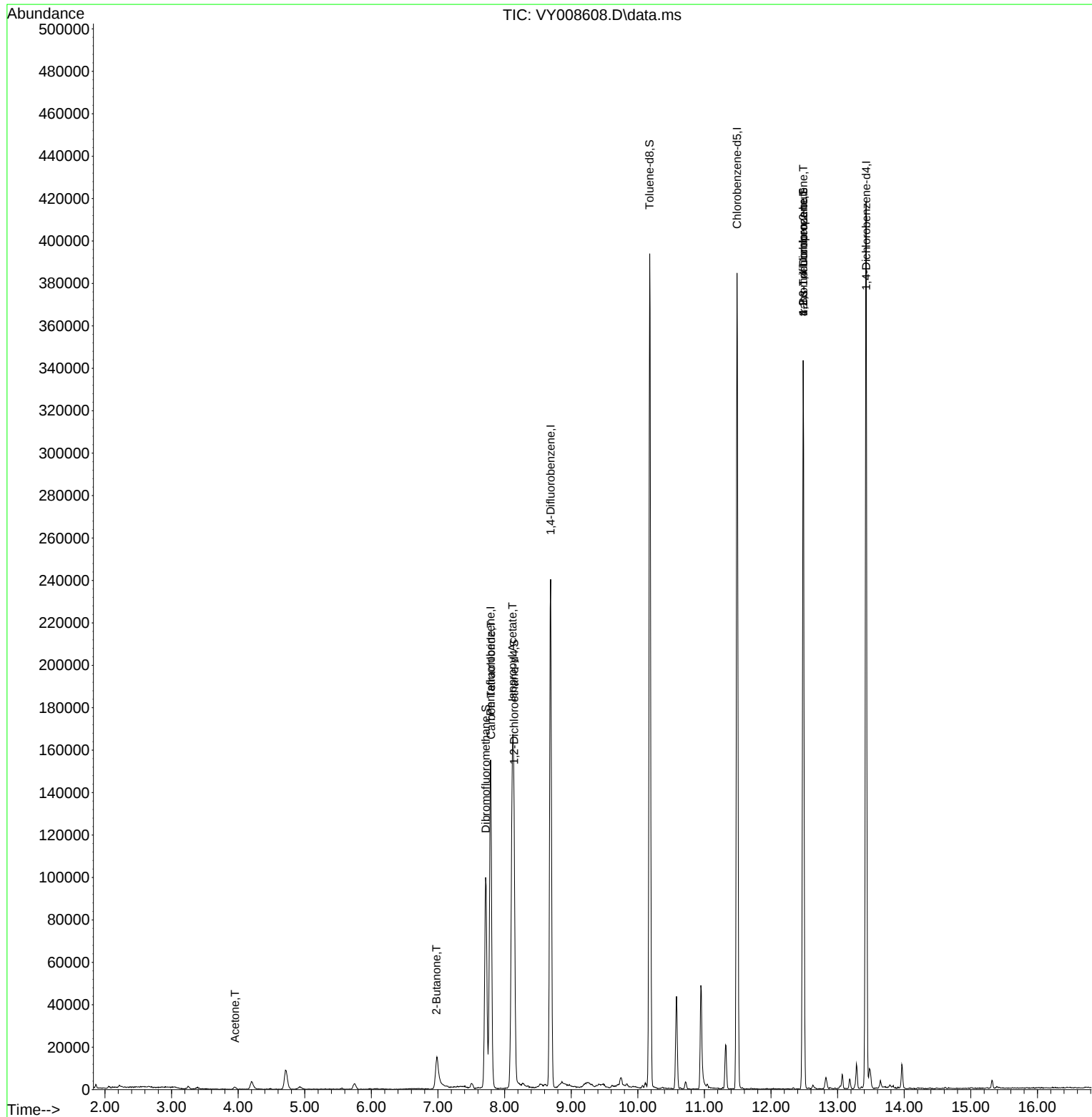
| Target Compounds              |        |     |       |           | Qvalue     |
|-------------------------------|--------|-----|-------|-----------|------------|
| 5) Bromomethane               | 2.656  | 94  | 207   | Below Cal | # 58       |
| 11) Tert butyl alcohol        | 4.930  | 59  | 1078  | Below Cal | # 77       |
| 16) Acetone                   | 3.954  | 43  | 1905  | 6.968     | ug/l 97    |
| 18) Methyl Acetate            | 4.485  | 43  | 407   | Below Cal | # 56       |
| 20) Methylene Chloride        | 4.722  | 84  | 7675  | Below Cal | # 67       |
| 25) 2-Butanone                | 6.978  | 43  | 808   | 1.841     | ug/l # 54  |
| 38) Carbon Tetrachloride      | 7.795  | 117 | 12111 | 4.650     | ug/l # 15  |
| 43) Isopropyl Acetate         | 8.118  | 43  | 2401  | 1.127     | ug/l # 1   |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75  | 46620 | 39.032    | ug/l # 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75  | 46620 | 79.134    | ug/l # 7   |

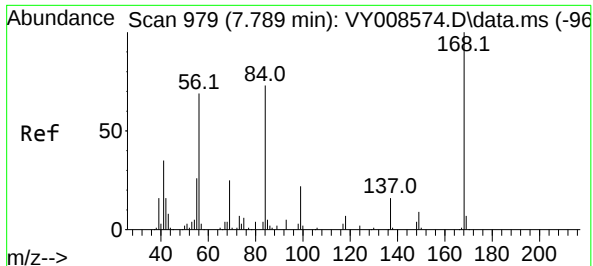
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue May 03 01:57:20 2022  
Response via : Initial Calibration

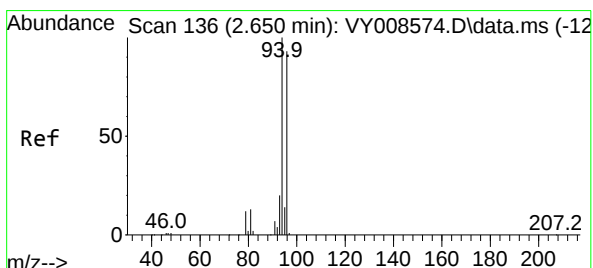
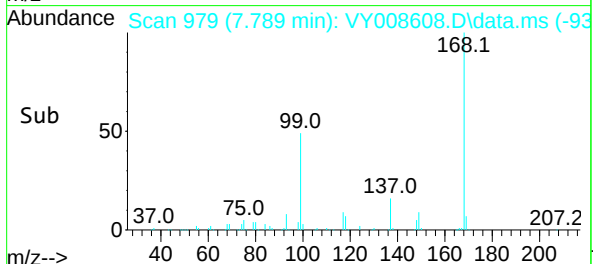
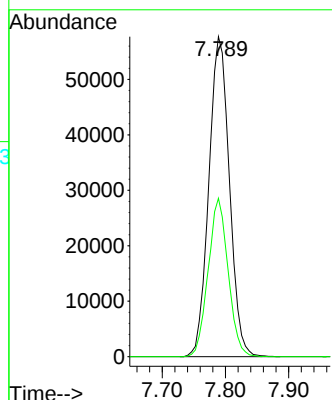
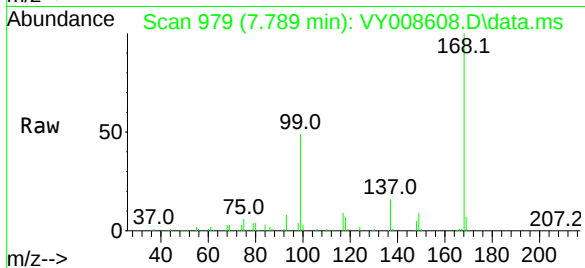




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

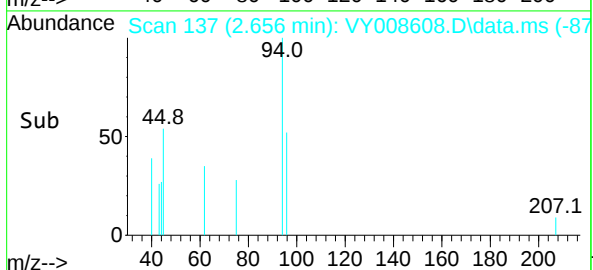
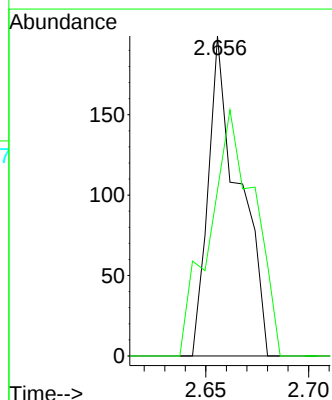
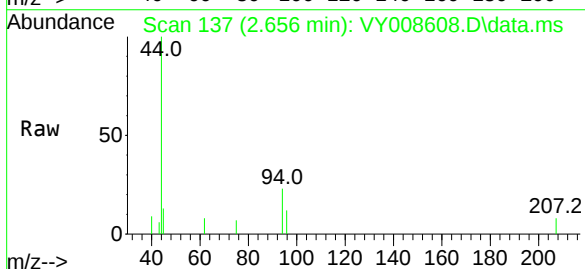
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS01-1-2-FT

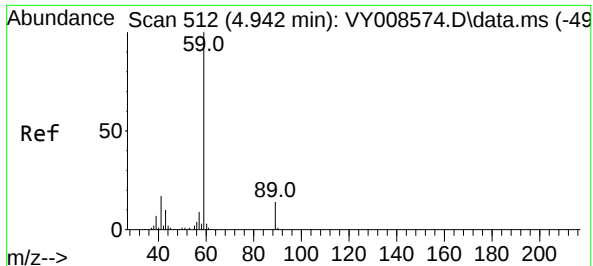
Tgt Ion:168 Resp: 130560  
Ion Ratio Lower Upper  
168 100  
99 49.5 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 137  
Delta R.T. 0.006 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

Tgt Ion: 94 Resp: 207  
Ion Ratio Lower Upper  
94 100  
96 51.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 512

Delta R.T. -0.012 min

Lab File: VY008608.D

Acq: 04 May 2022 13:39

Instrument :

MSVOA\_Y

ClientSampleId :

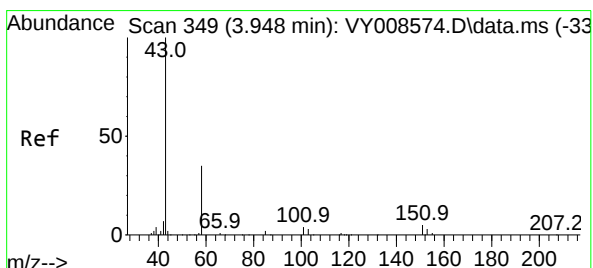
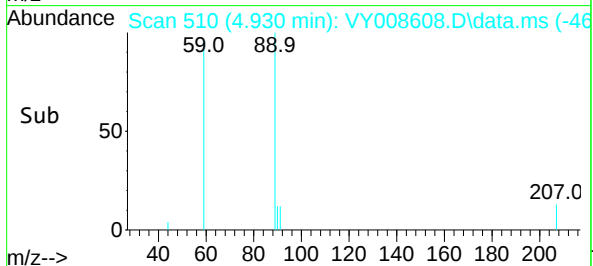
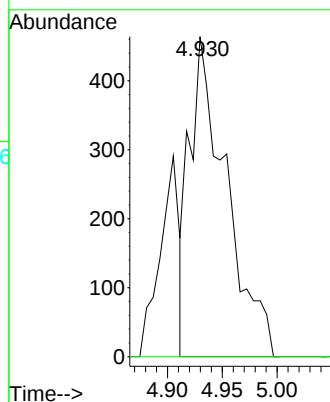
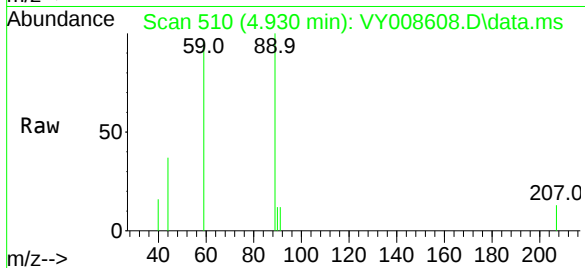
SS01-1-2-FT

Tgt Ion: 59 Resp: 1078

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 6.968 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008608.D

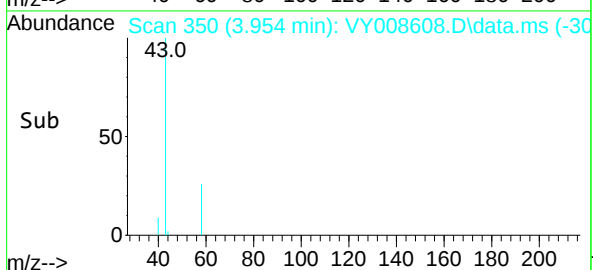
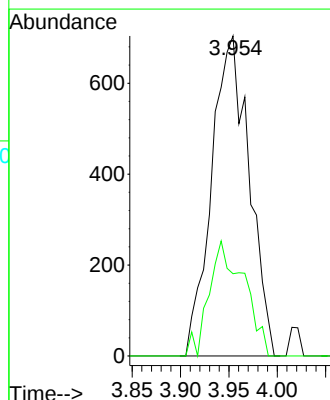
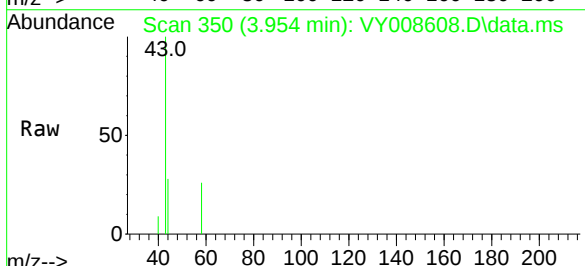
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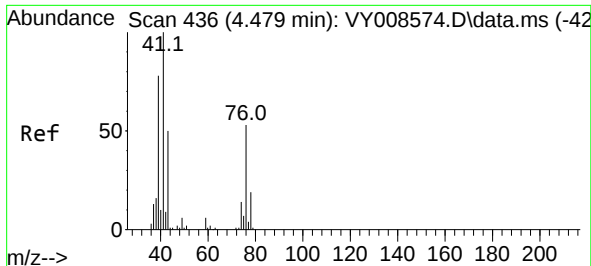
Tgt Ion: 43 Resp: 1905

Ion Ratio Lower Upper

43 100

58 25.7 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008608.D

Acq: 04 May 2022 13:39

Instrument :

MSVOA\_Y

ClientSampleId :

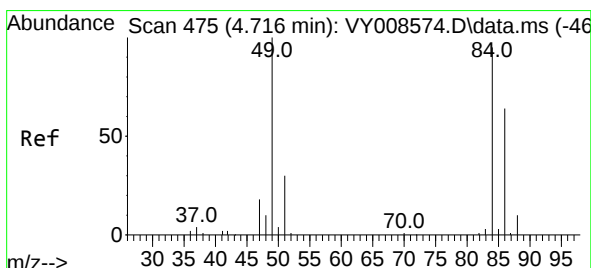
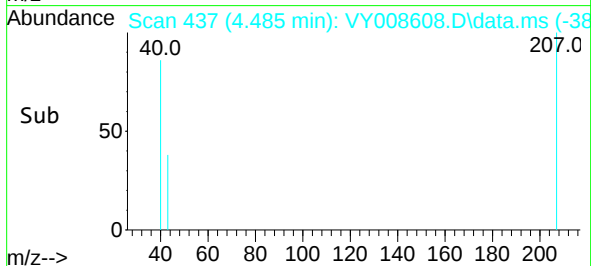
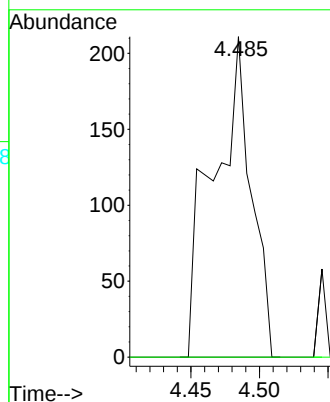
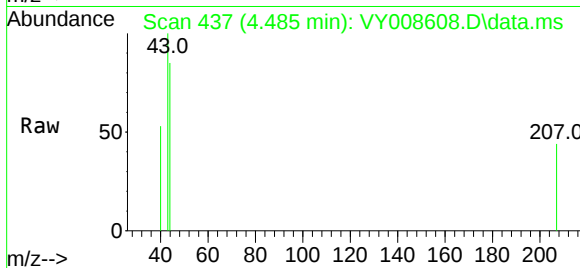
SS01-1-2-FT

Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY008608.D

Acq: 04 May 2022 13:39

Tgt Ion: 84 Resp: 7675

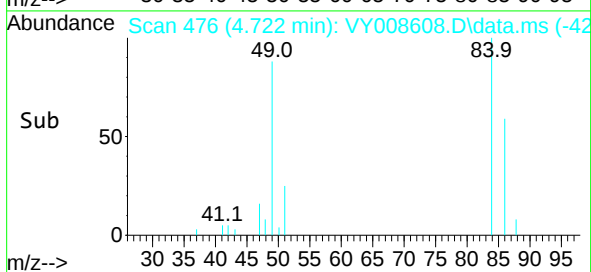
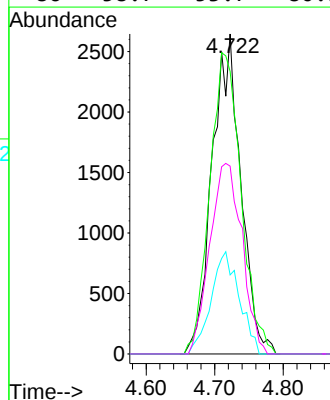
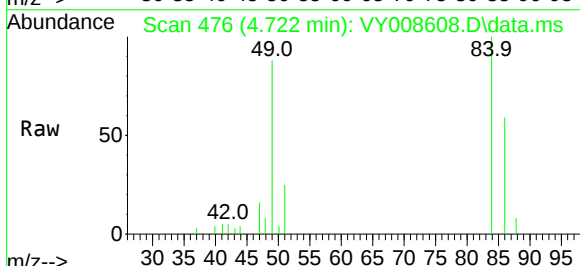
Ion Ratio Lower Upper

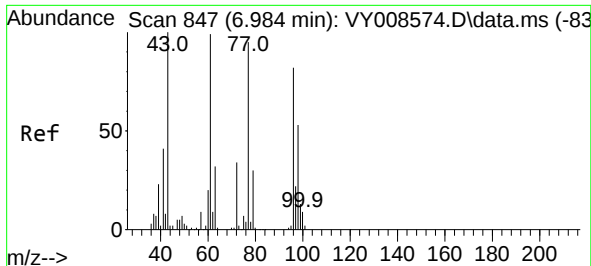
84 100

49 88.3 114.4 171.6#

51 24.7 35.3 52.9#

86 58.7 53.7 80.5

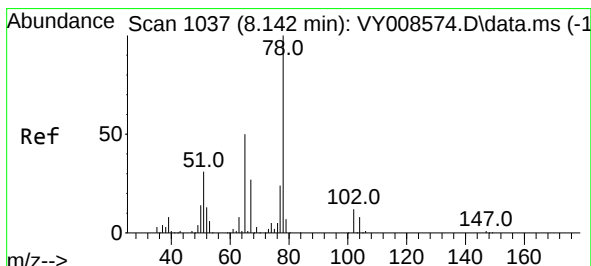
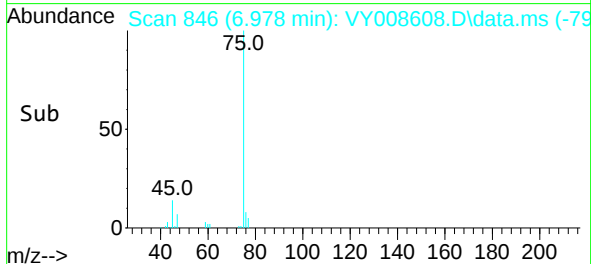
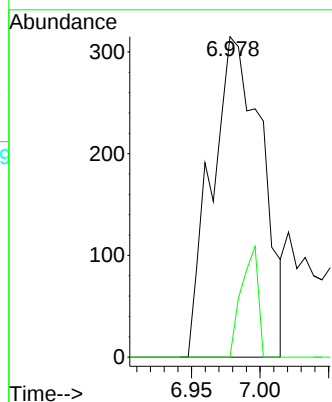
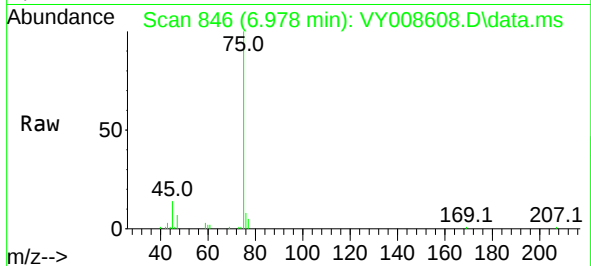




#25  
2-Butanone  
Concen: 1.841 ug/l  
RT: 6.978 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

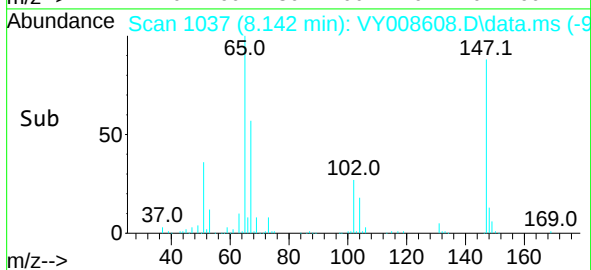
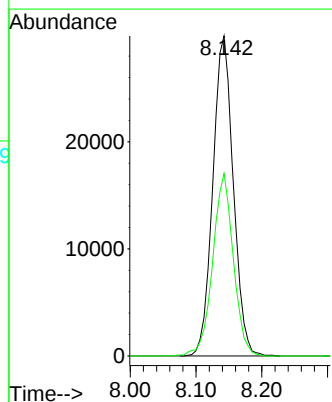
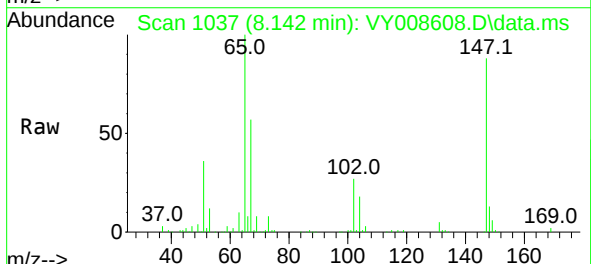
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS01-1-2-FT

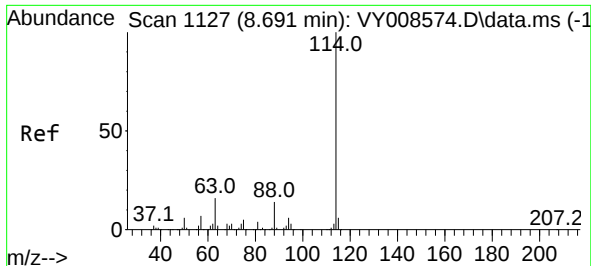
Tgt Ion: 43 Resp: 808  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#



#33  
1,2-Dichloroethane-d4  
Concen: 51.044 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

Tgt Ion: 65 Resp: 64772  
Ion Ratio Lower Upper  
65 100  
67 57.4 0.0 99.4

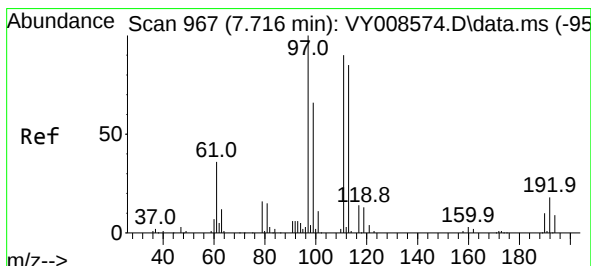
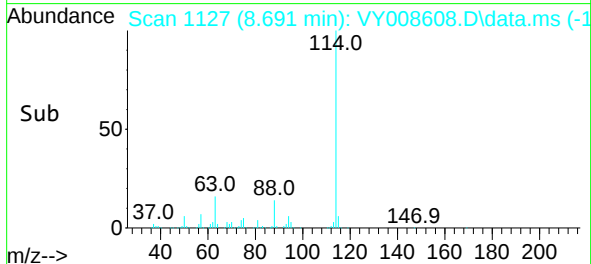
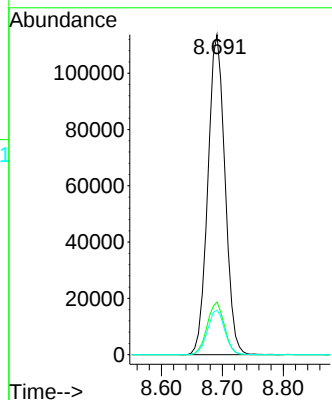
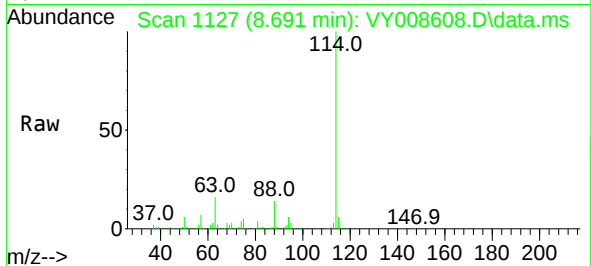




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.691 min Scan# 1127  
 Delta R.T. 0.000 min  
 Lab File: VY008608.D  
 Acq: 04 May 2022 13:39

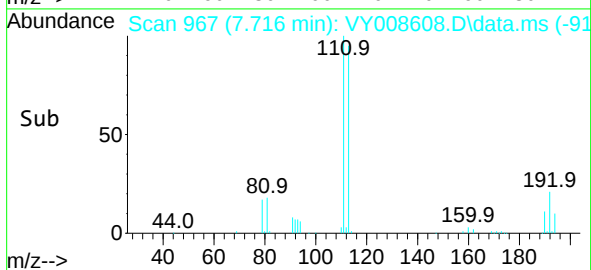
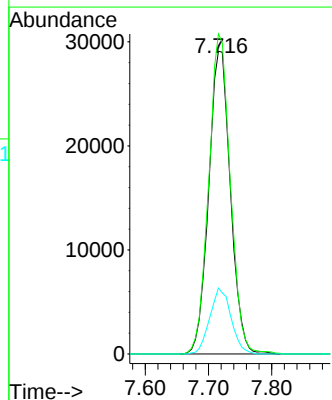
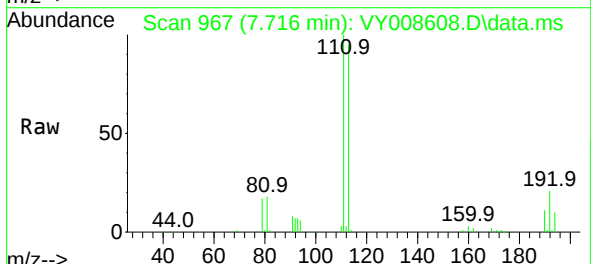
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 SS01-1-2-FT

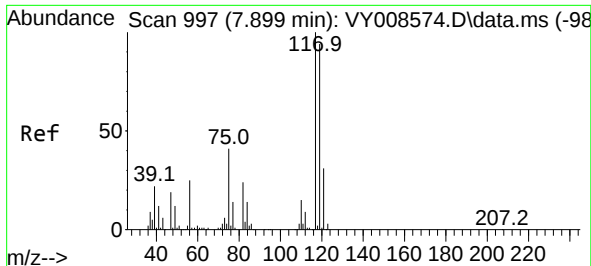
Tgt Ion:114 Resp: 221894  
 Ion Ratio Lower Upper  
 114 100  
 63 16.4 0.0 43.2  
 88 13.9 0.0 31.8



#35  
 Dibromofluoromethane  
 Concen: 47.526 ug/l  
 RT: 7.716 min Scan# 967  
 Delta R.T. 0.000 min  
 Lab File: VY008608.D  
 Acq: 04 May 2022 13:39

Tgt Ion:113 Resp: 69781  
 Ion Ratio Lower Upper  
 113 100  
 111 104.7 82.6 124.0  
 192 21.2 17.6 26.4

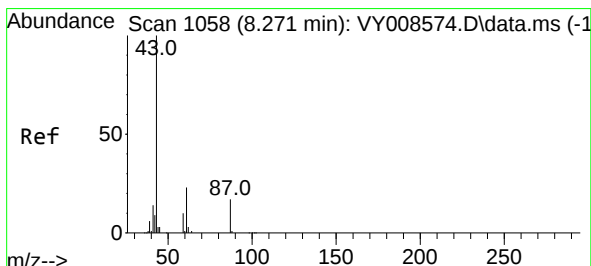
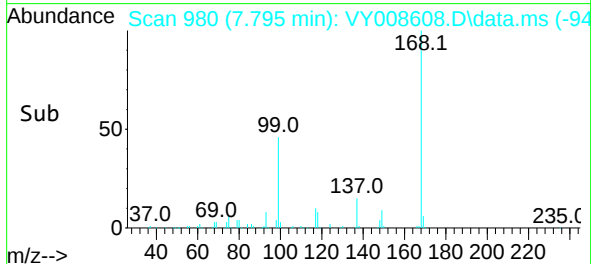
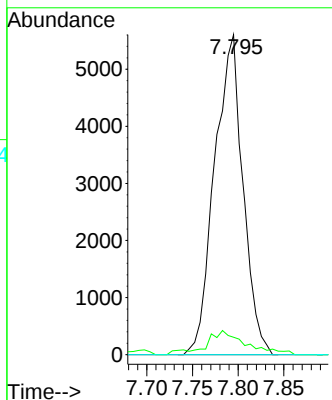
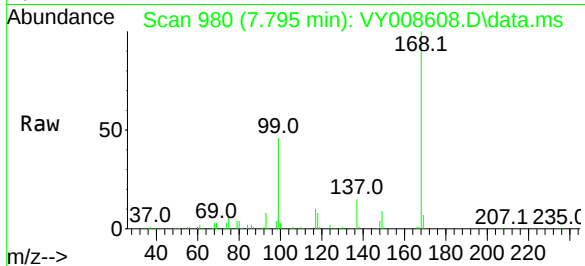




#38  
Carbon Tetrachloride  
Concen: 4.650 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

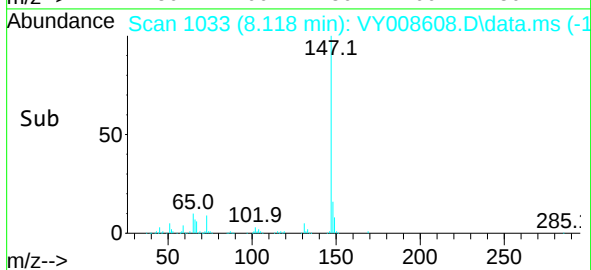
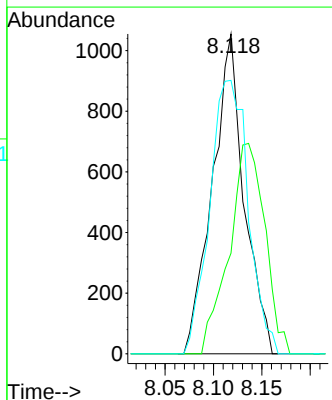
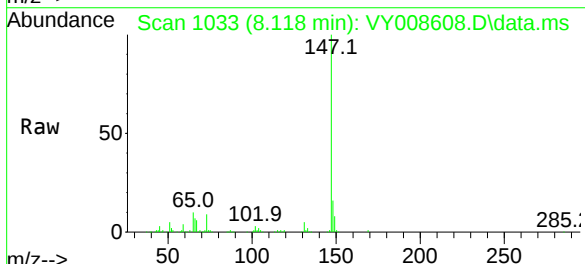
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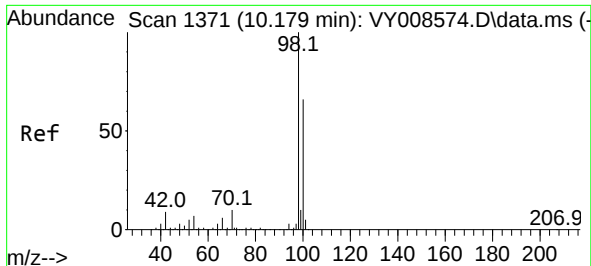
Tgt Ion:117 Resp: 12111  
Ion Ratio Lower Upper  
117 100  
119 4.4 77.9 116.9#  
121 0.0 24.8 37.2#



#43  
Isopropyl Acetate  
Concen: 1.127 ug/l  
RT: 8.118 min Scan# 1033  
Delta R.T. -0.152 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

Tgt Ion: 43 Resp: 2401  
Ion Ratio Lower Upper  
43 100  
61 74.4 20.2 30.2#  
87 103.8 8.9 13.3#

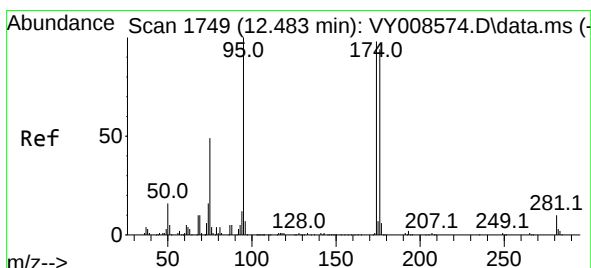
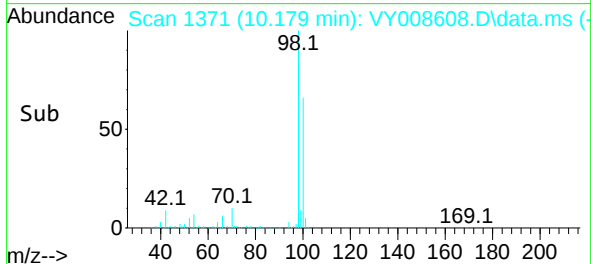
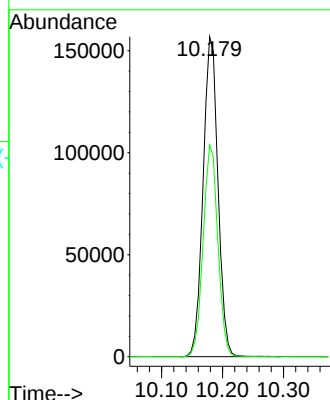
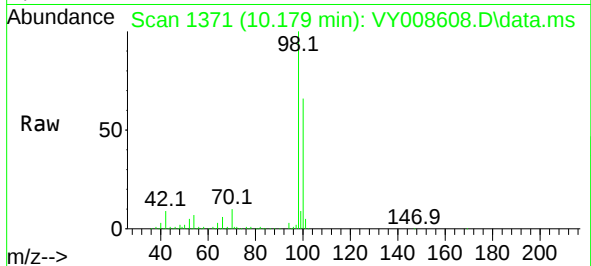




#50  
Toluene-d8  
Concen: 51.126 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

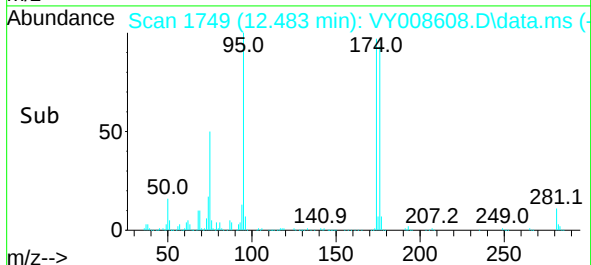
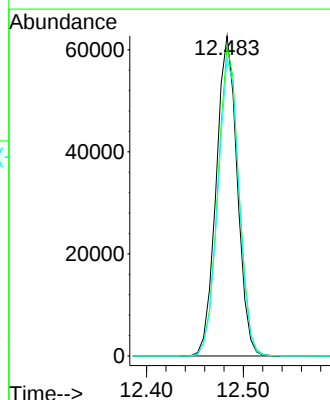
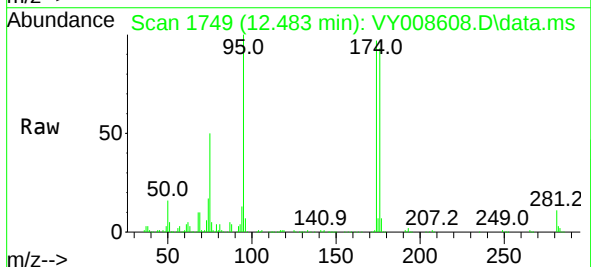
Instrument :  
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ClientSampleId :  
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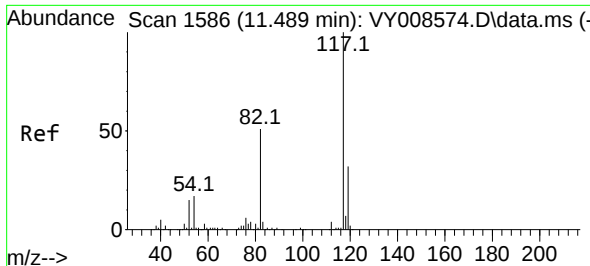
Tgt Ion: 98 Resp: 265946  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 49.615 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

Tgt Ion: 95 Resp: 94595  
Ion Ratio Lower Upper  
95 100  
174 96.7 0.0 177.0  
176 93.3 0.0 175.8

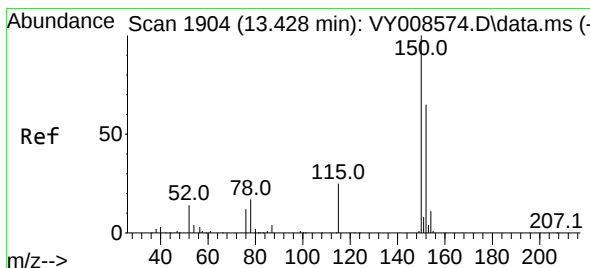
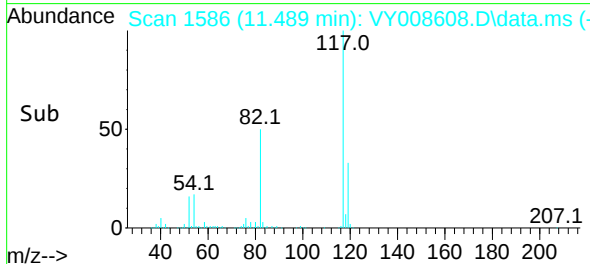
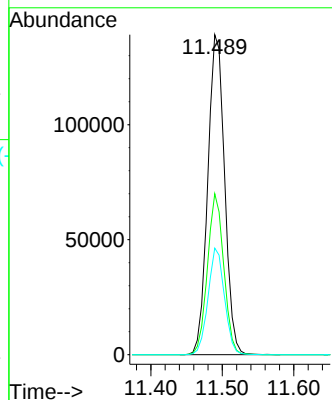
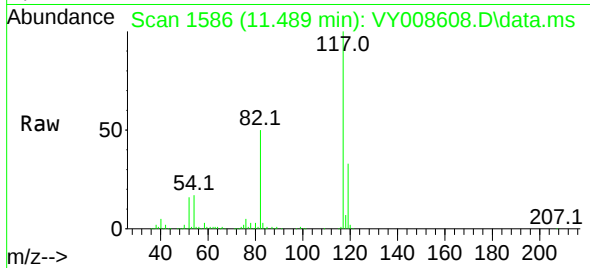




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

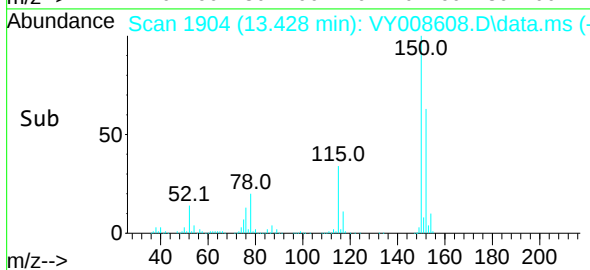
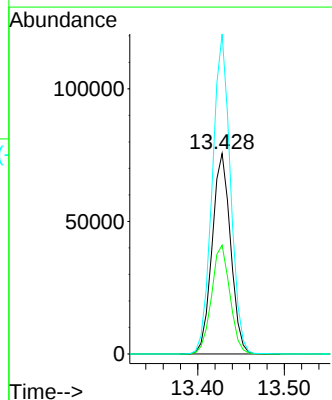
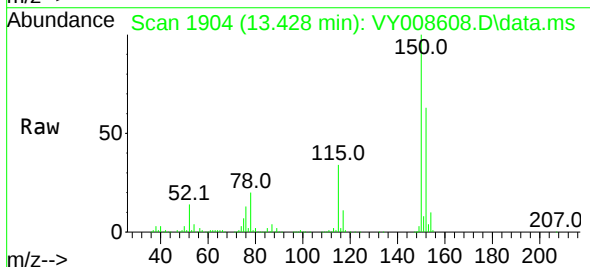
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS01-1-2-FT

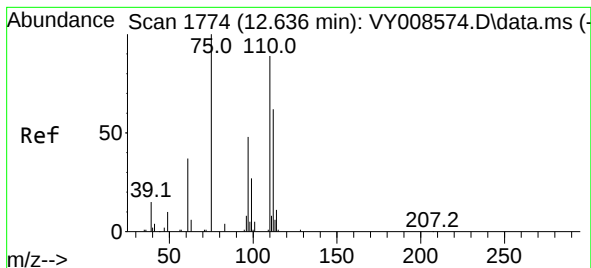
Tgt Ion:117 Resp: 227415  
Ion Ratio Lower Upper  
117 100  
82 50.3 43.0 64.4  
119 33.3 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008608.D  
Acq: 04 May 2022 13:39

Tgt Ion:152 Resp: 111890  
Ion Ratio Lower Upper  
152 100  
115 54.2 28.2 84.7  
150 156.6 0.0 347.6





#76

1,2,3-Trichloropropane

Concen: 39.032 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY008608.D

Acq: 04 May 2022 13:39

Instrument :

MSVOA\_Y

ClientSampleId :

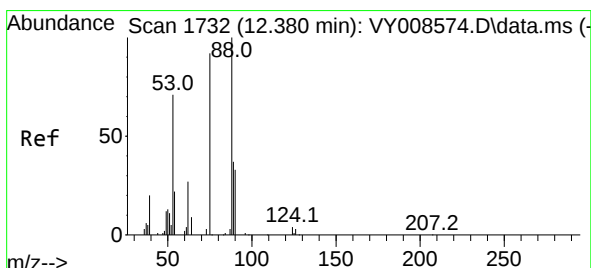
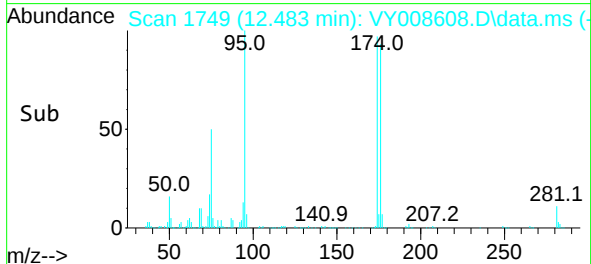
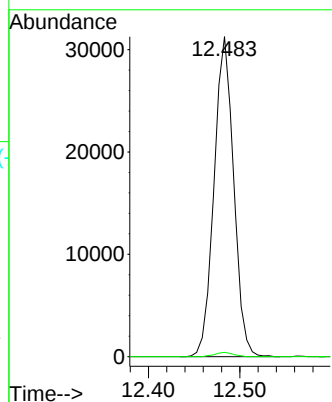
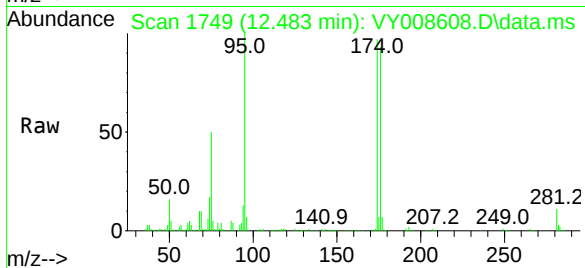
SS01-1-2-FT

Tgt Ion: 75 Resp: 46620

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.134 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY008608.D

Acq: 04 May 2022 13:39

Tgt Ion: 75 Resp: 46620

Ion Ratio Lower Upper

75 100

53 0.1 85.3 127.9#

89 0.2 37.0 55.4#

