

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
 Data File : VY008614.D  
 Acq On : 04 May 2022 16:00  
 Operator : KP/MD  
 Sample : N2619-07  
 Misc : 4.72g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS04-1.5-2.5-FT

Quant Time: May 05 04:36:18 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

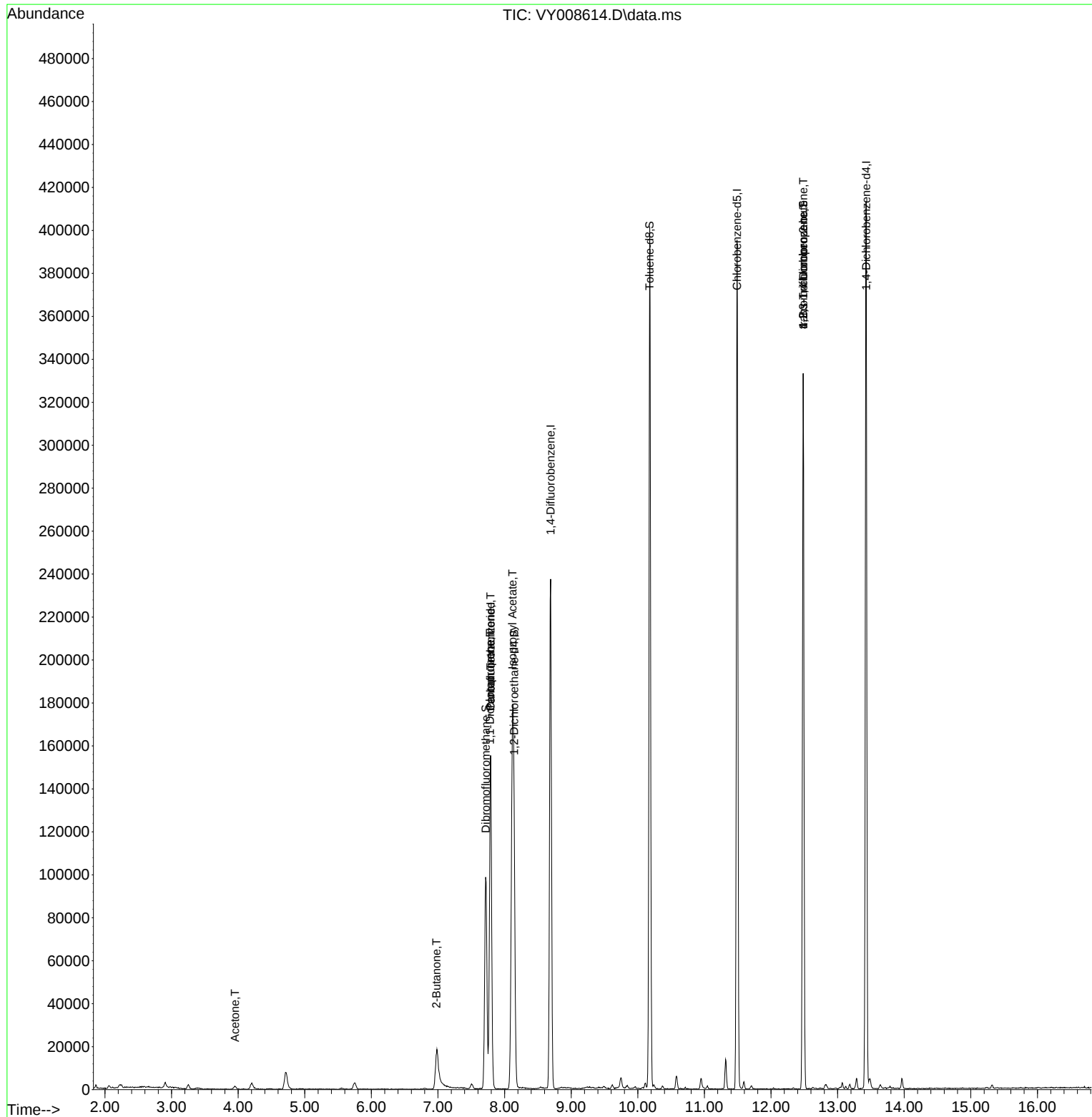
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 130133   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 223904   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 232318   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 113756   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 66241    | 52.373    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 104.740% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 71549    | 48.293    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 96.580%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 269227   | 51.292    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 102.580% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 96832    | 50.332    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 100.660% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.662     | 94    | 68       | Below Cal |            | 99       |
| 11) Tert butyl alcohol        | 4.954     | 59    | 182      | Below Cal | #          | 77       |
| 16) Acetone                   | 3.954     | 43    | 2417     | 8.869     | ug/l       | 93       |
| 18) Methyl Acetate            | 4.478     | 43    | 500      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.710     | 84    | 6478     | Below Cal | #          | 72       |
| 25) 2-Butanone                | 6.978     | 43    | 705      | 1.612     | ug/l       | 96       |
| 36) 1,1-Dichloropropene       | 7.783     | 75    | 8047     | 3.493     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 11452    | 4.357     | ug/l #     | 15       |
| 43) Isopropyl Acetate         | 8.118     | 43    | 2730     | 1.270     | ug/l #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 47407    | 39.040    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 47407    | 79.150    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

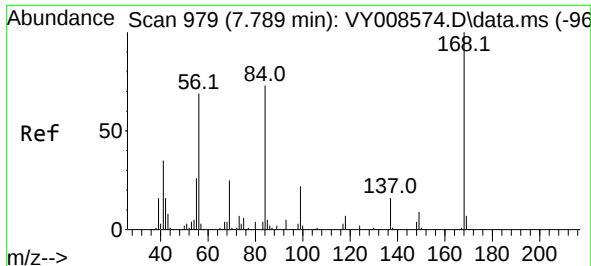
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 03 01:57:20 2022  
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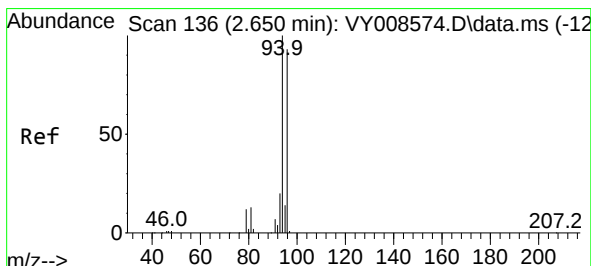
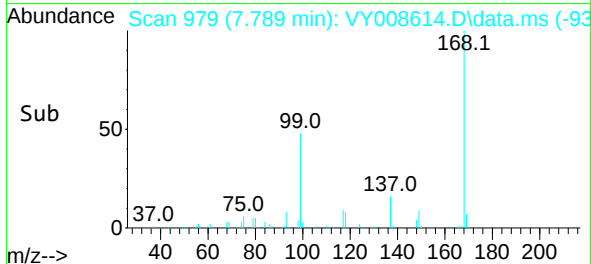
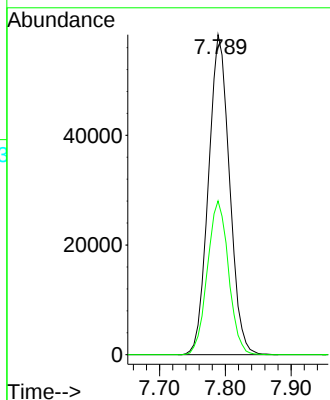
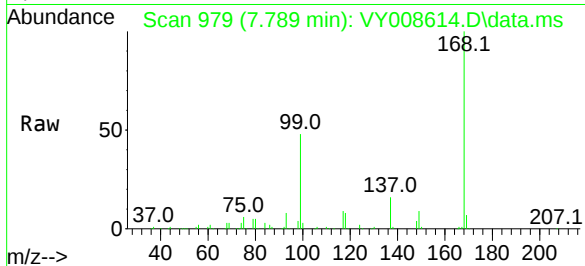




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

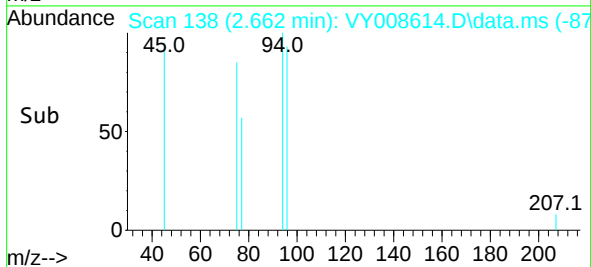
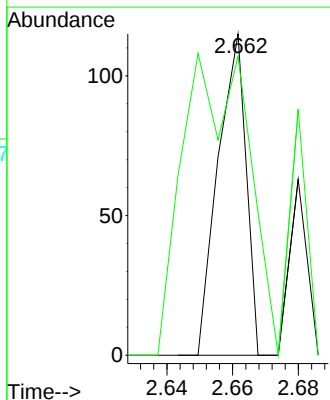
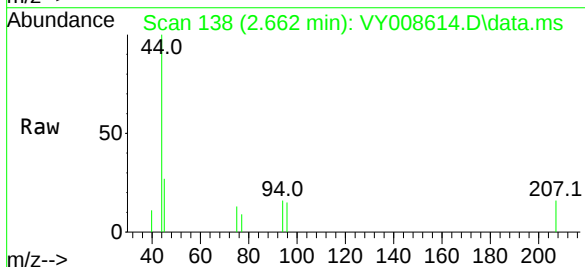
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS04-1.5-2.5-FT

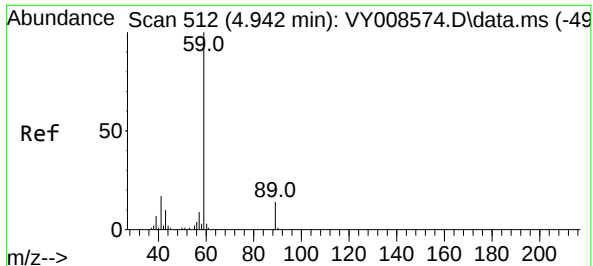
Tgt Ion:168 Resp: 130133  
Ion Ratio Lower Upper  
168 100  
99 48.0 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 138  
Delta R.T. 0.012 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

Tgt Ion: 94 Resp: 68  
Ion Ratio Lower Upper  
94 100  
96 93.0 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.954 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY008614.D

Acq: 04 May 2022 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

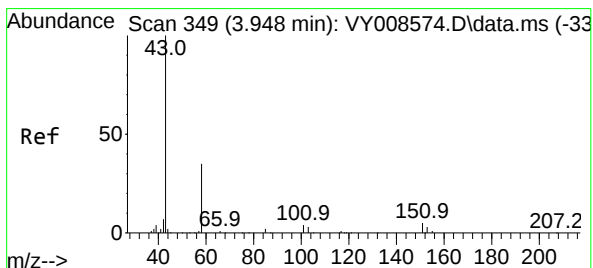
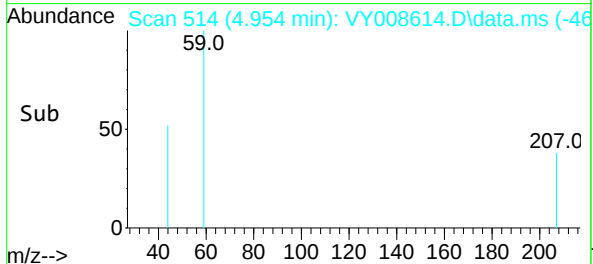
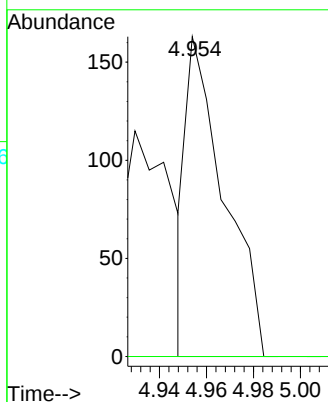
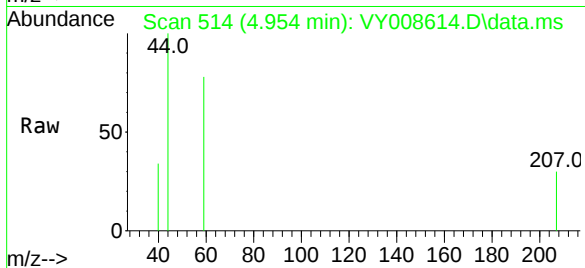
SS04-1.5-2.5-FT

Tgt Ion: 59 Resp: 182

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 8.869 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008614.D

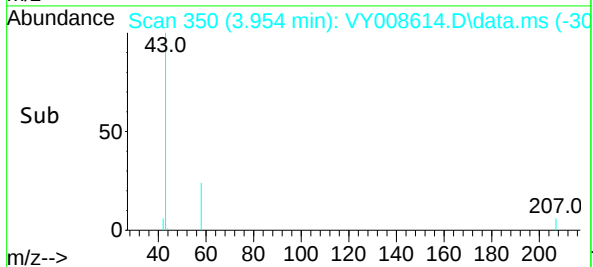
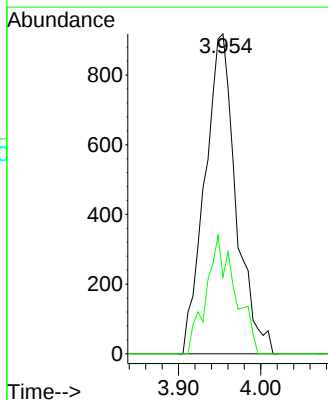
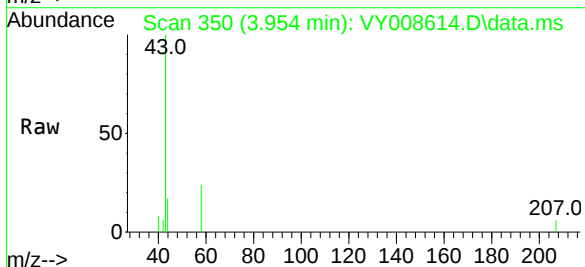
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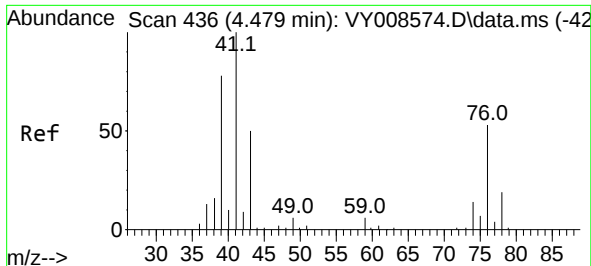
Tgt Ion: 43 Resp: 2417

Ion Ratio Lower Upper

43 100

58 24.1 22.0 33.0

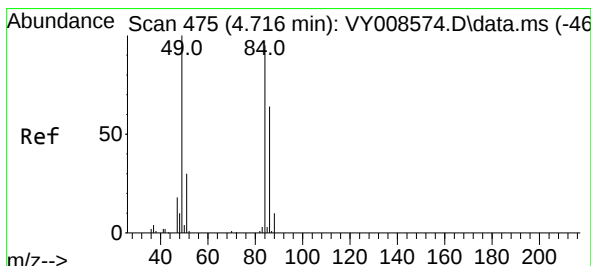
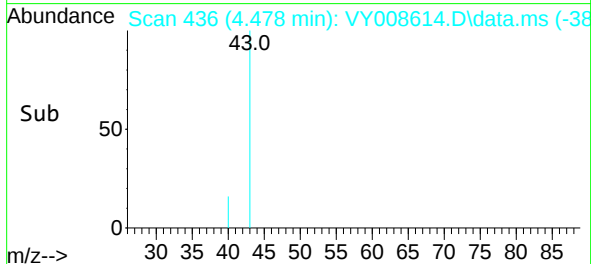
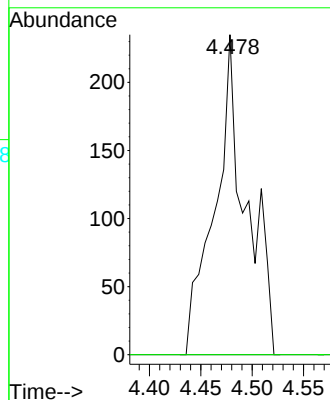
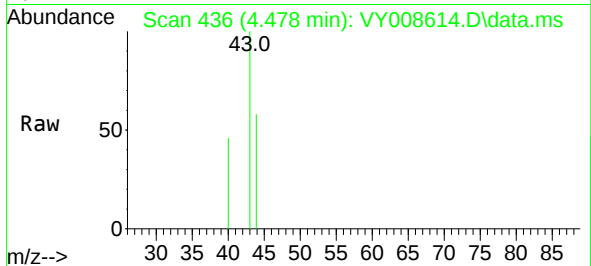




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.478 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

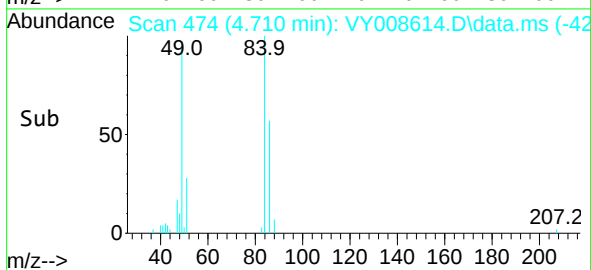
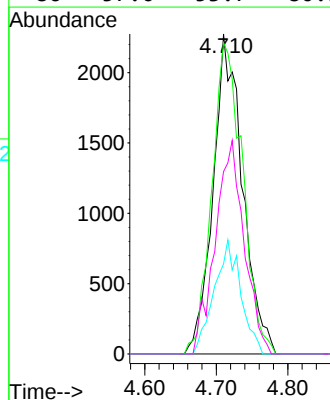
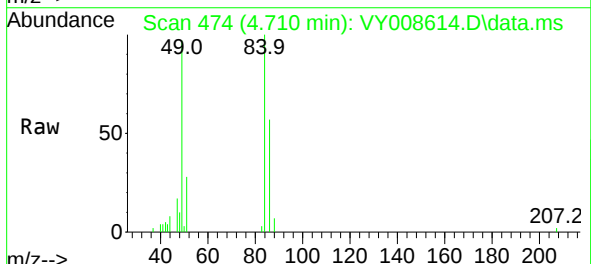
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS04-1.5-2.5-FT

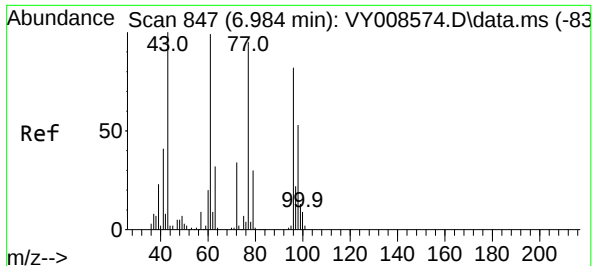
Tgt Ion: 43 Resp: 500  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

Tgt Ion: 84 Resp: 6478  
Ion Ratio Lower Upper  
84 100  
49 97.2 114.4 171.6#  
51 28.2 35.3 52.9#  
86 57.0 53.7 80.5





#25

2-Butanone

Concen: 1.612 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008614.D

Acq: 04 May 2022 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

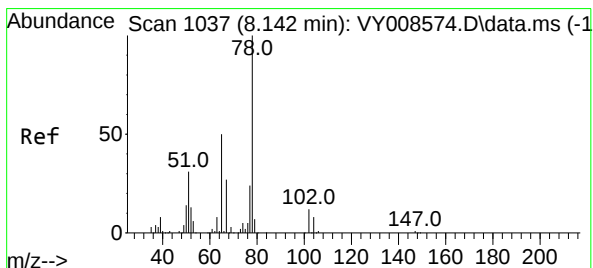
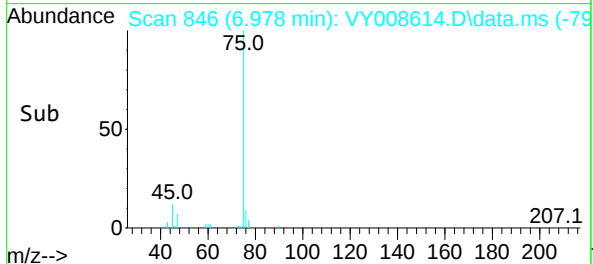
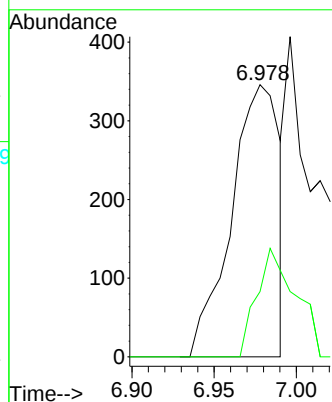
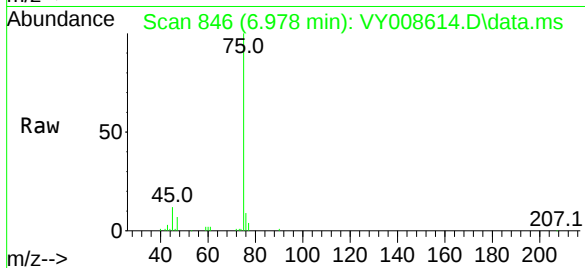
SS04-1.5-2.5-FT

Tgt Ion: 43 Resp: 705

Ion Ratio Lower Upper

43 100

72 24.0 17.7 26.5



#33

1,2-Dichloroethane-d4

Concen: 52.373 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY008614.D

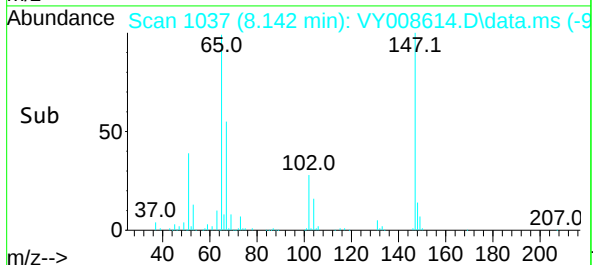
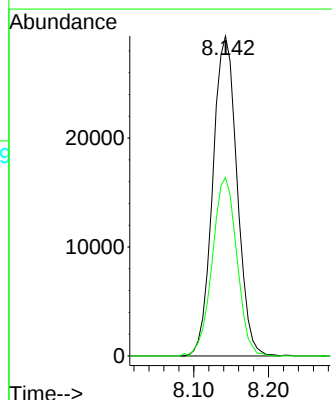
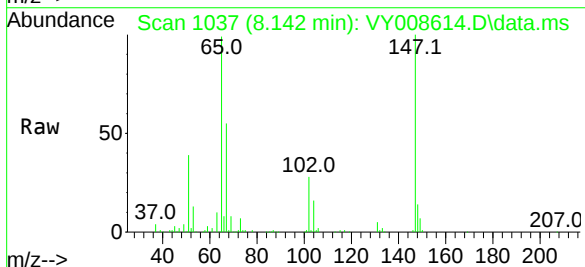
Acq: 04 May 2022 16:00

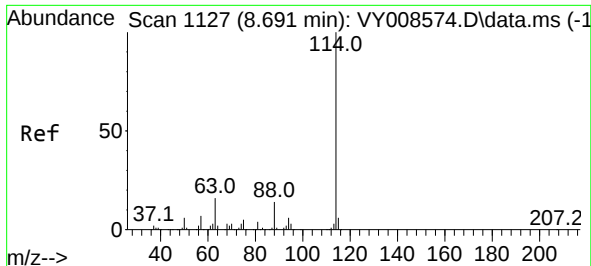
Tgt Ion: 65 Resp: 66241

Ion Ratio Lower Upper

65 100

67 56.5 0.0 99.4

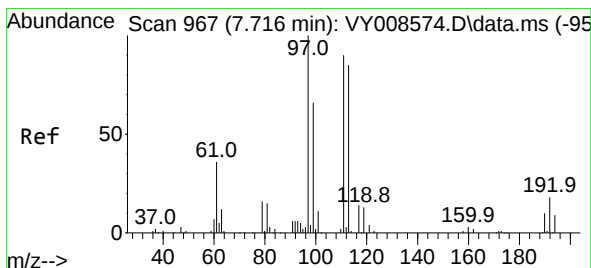
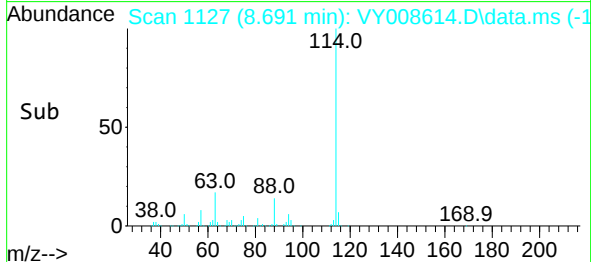
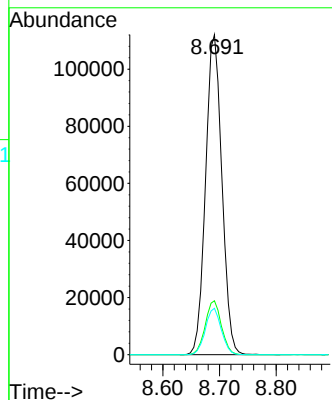
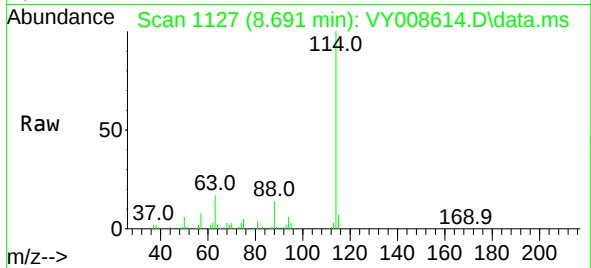




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

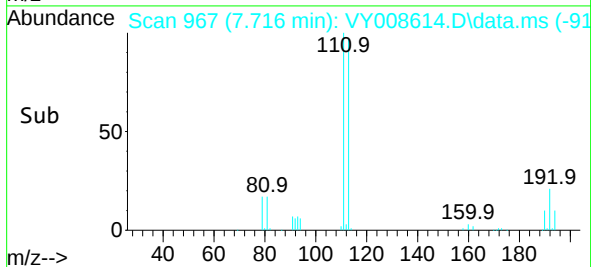
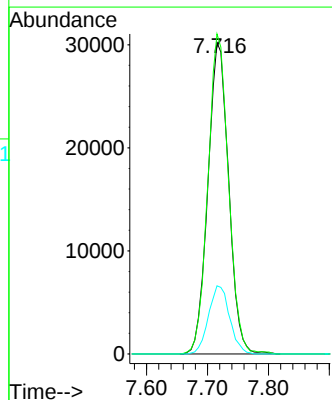
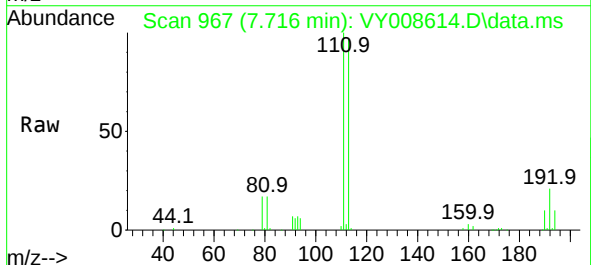
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SS04-1.5-2.5-FT

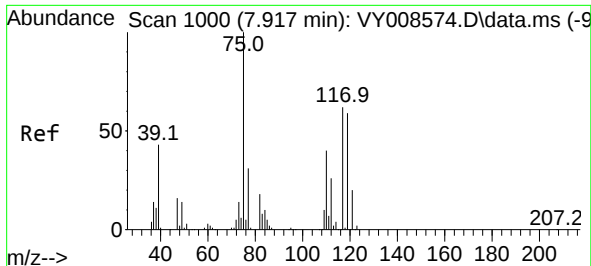
Tgt Ion:114 Resp: 223904  
Ion Ratio Lower Upper  
114 100  
63 16.8 0.0 43.2  
88 14.5 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 48.293 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

Tgt Ion:113 Resp: 71549  
Ion Ratio Lower Upper  
113 100  
111 101.8 82.6 124.0  
192 22.2 17.6 26.4

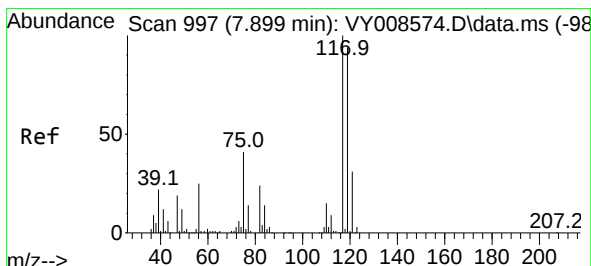
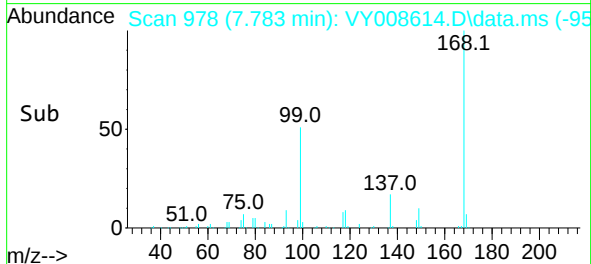
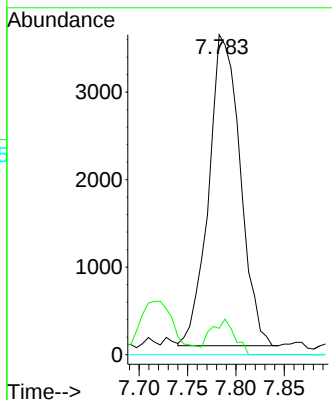
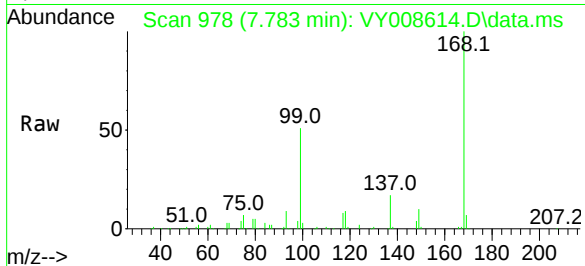




#36  
1,1-Dichloropropene  
Concen: 3.493 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

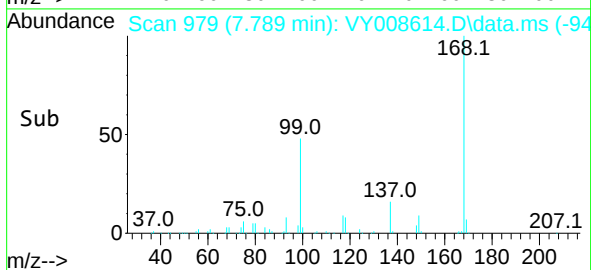
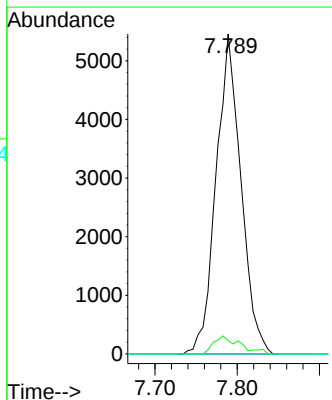
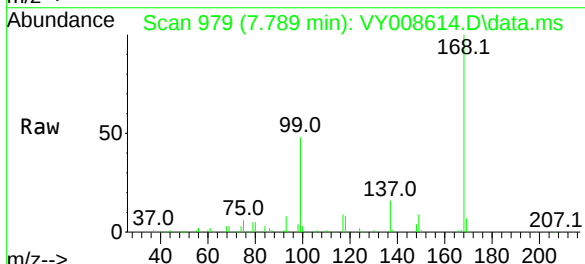
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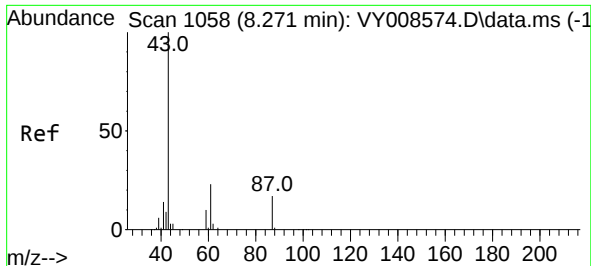
Tgt Ion: 75 Resp: 8047  
Ion Ratio Lower Upper  
75 100  
110 8.5 17.1 51.2#  
77 0.0 24.4 36.6#



#38  
Carbon Tetrachloride  
Concen: 4.357 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.110 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

Tgt Ion: 117 Resp: 11452  
Ion Ratio Lower Upper  
117 100  
119 4.2 77.9 116.9#  
121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 1.270 ug/l

RT: 8.118 min Scan# 1058

Delta R.T. -0.153 min

Lab File: VY008614.D

Acq: 04 May 2022 16:00

Instrument :

MSVOA\_Y

ClientSampleId :

SS04-1.5-2.5-FT

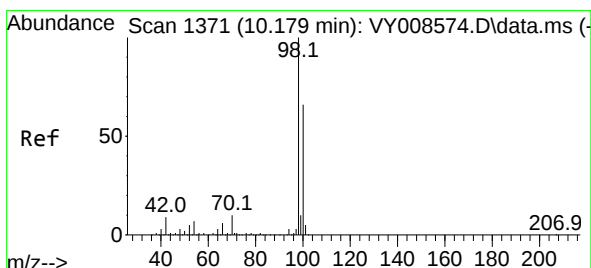
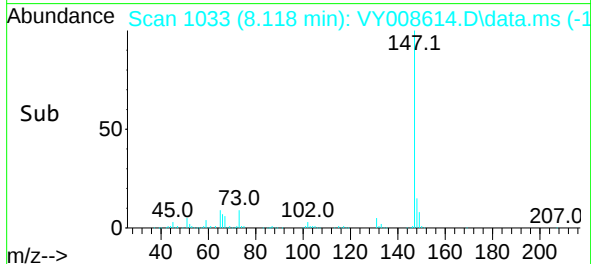
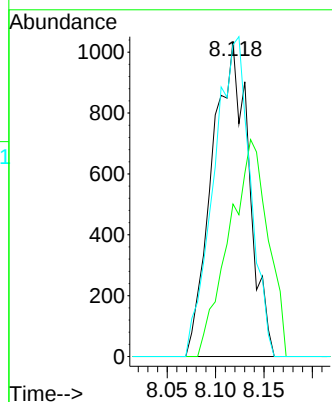
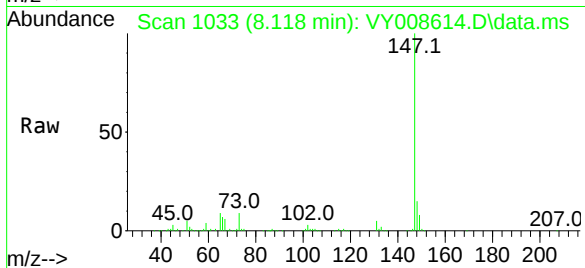
Tgt Ion: 43 Resp: 2730

Ion Ratio Lower Upper

43 100

61 72.8 20.2 30.2#

87 100.7 8.9 13.3#



#50

Toluene-d8

Concen: 51.292 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY008614.D

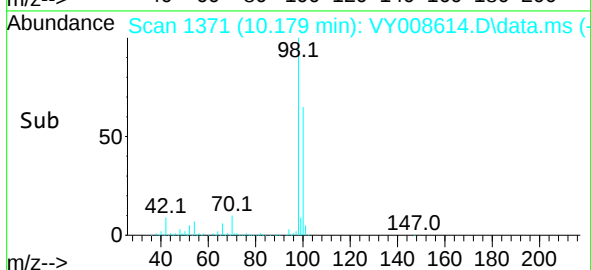
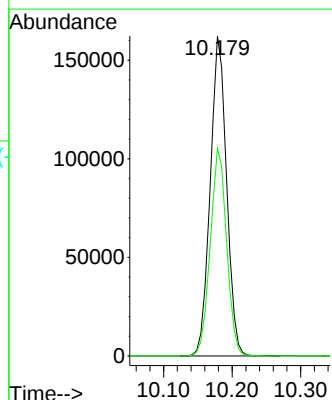
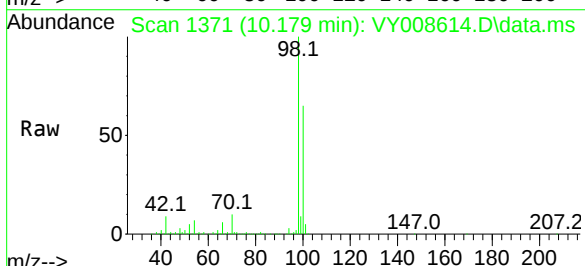
Acq: 04 May 2022 16:00

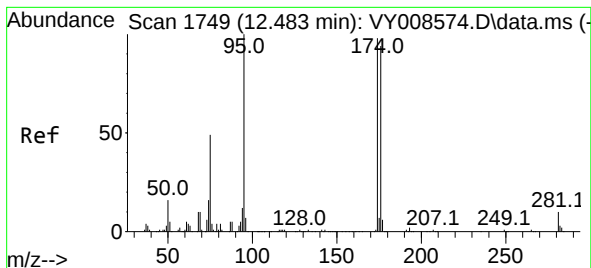
Tgt Ion: 98 Resp: 269227

Ion Ratio Lower Upper

98 100

100 65.0 50.2 75.2

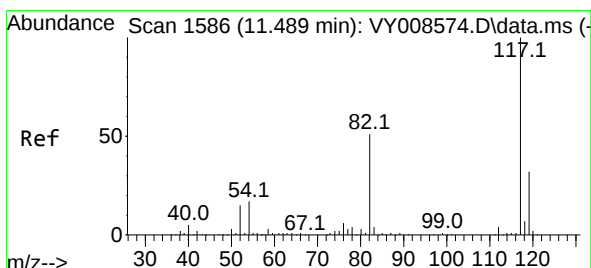
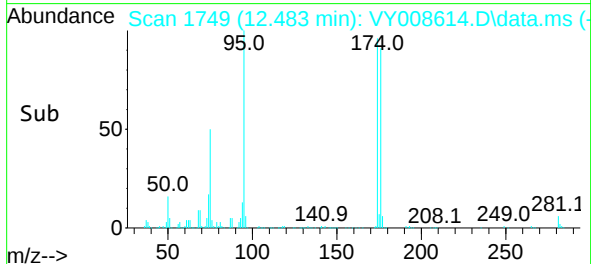
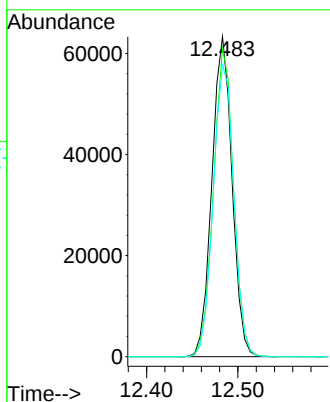
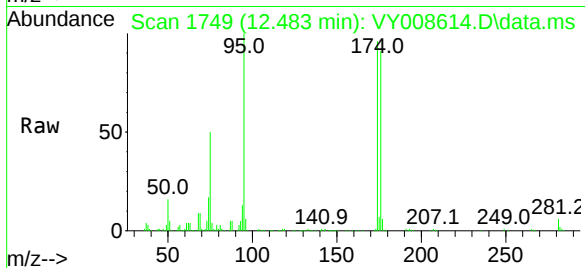




#62  
4-Bromofluorobenzene  
Concen: 50.332 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

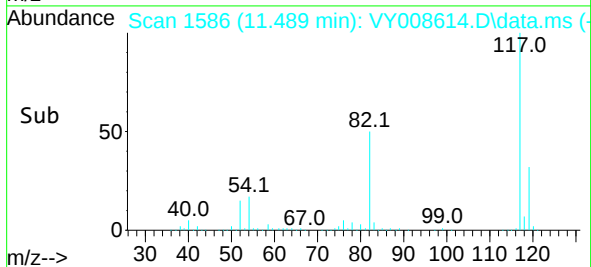
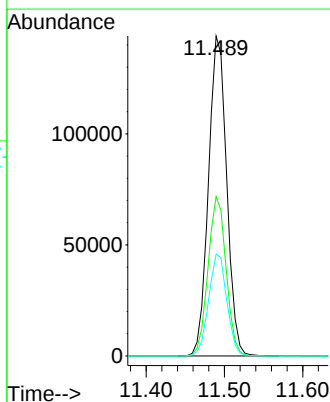
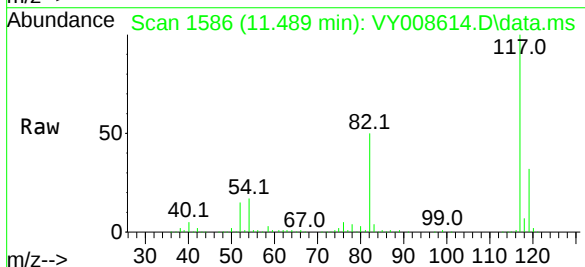
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS04-1.5-2.5-FT

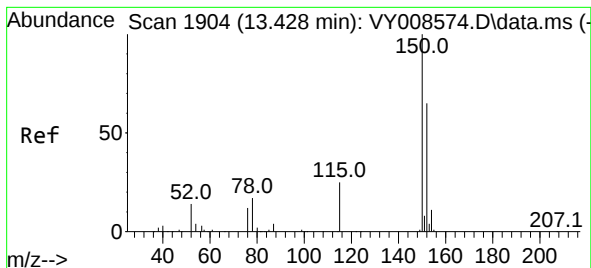
Tgt Ion: 95 Resp: 96832  
Ion Ratio Lower Upper  
95 100  
174 96.6 0.0 177.0  
176 93.5 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY008614.D  
Acq: 04 May 2022 16:00

Tgt Ion: 117 Resp: 232318  
Ion Ratio Lower Upper  
117 100  
82 49.8 43.0 64.4  
119 31.8 25.4 38.0

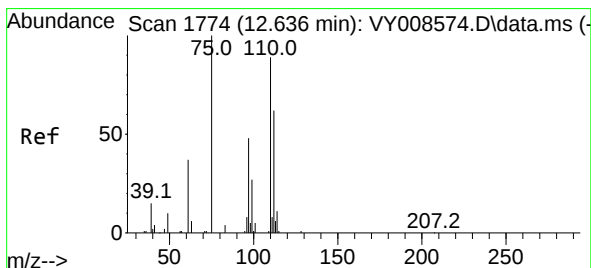
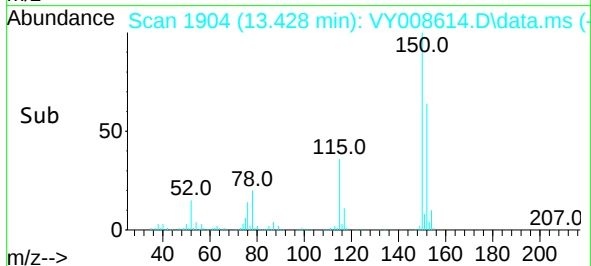
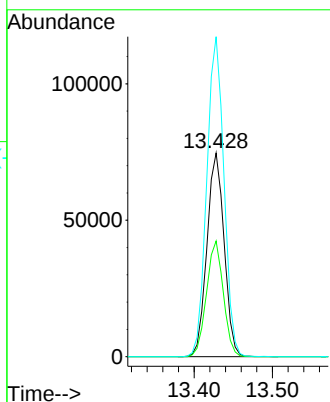
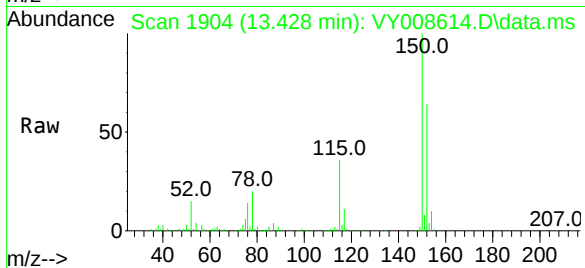




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY008614.D  
 Acq: 04 May 2022 16:00

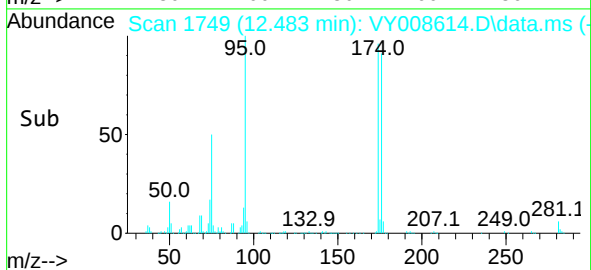
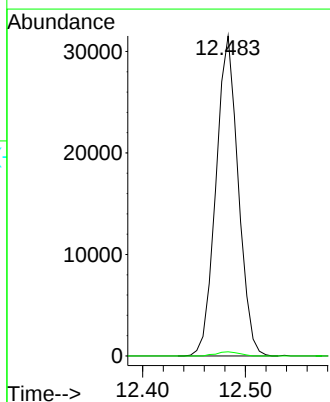
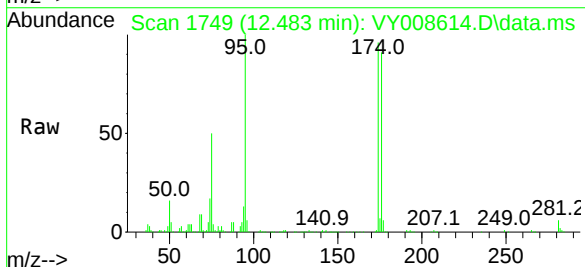
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS04-1.5-2.5-FT

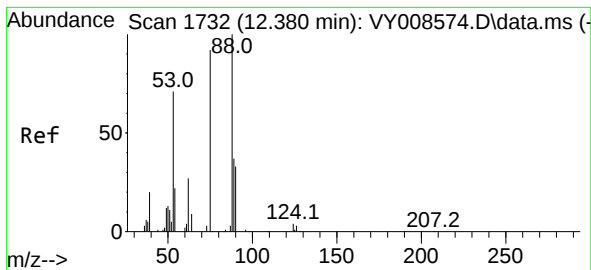
Tgt Ion:152 Resp: 113756  
 Ion Ratio Lower Upper  
 152 100  
 115 55.5 28.2 84.7  
 150 156.8 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 39.040 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.153 min  
 Lab File: VY008614.D  
 Acq: 04 May 2022 16:00

Tgt Ion: 75 Resp: 47407  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 79.150 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008614.D  
 Acq: 04 May 2022 16:00

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS04-1.5-2.5-FT

Tgt Ion: 75 Resp: 47407  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.0 37.0 55.4#

