

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
 Data File : VY008615.D  
 Acq On : 04 May 2022 16:23  
 Operator : KP/MD  
 Sample : N2619-08  
 Misc : 6.29g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB04-14-15-FT

Quant Time: May 05 04:36:29 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

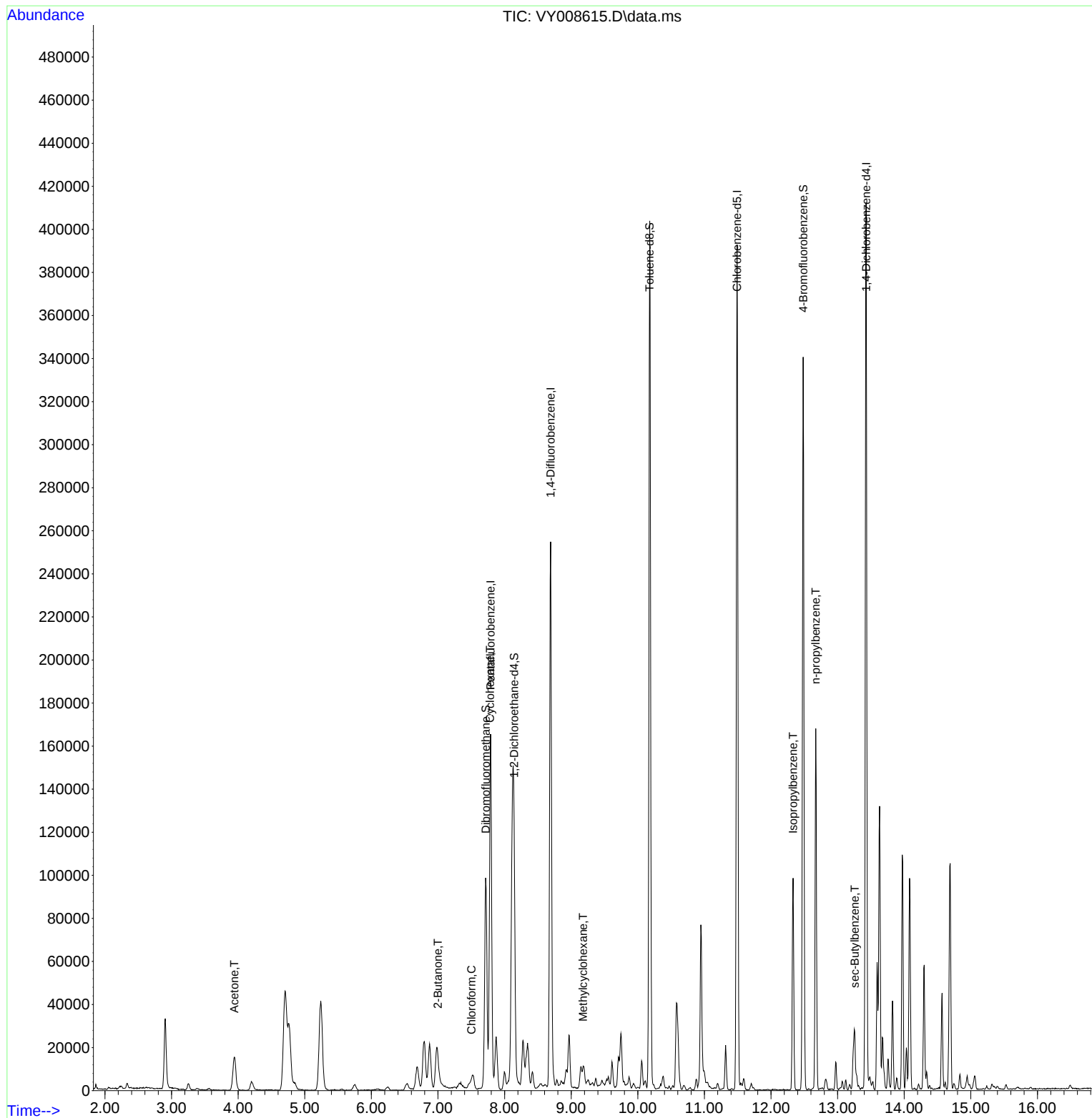
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 130322   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 226116   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 234024   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 114191   | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 65583    | 51.777   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 103.560% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 70552    | 47.154   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 94.300%  |
| 50) Toluene-d8              | 10.179 | 98    | 271869   | 51.288   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 102.580% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 99064    | 50.989   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 101.980% |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 13755    | 50.401   | ug/l   | 94       |
| 25) 2-Butanone              | 6.996  | 43    | 3649     | 8.330    | ug/l   | 96       |
| 30) Chloroform              | 7.502  | 83    | 3953     | 1.481    | ug/l   | 92       |
| 31) Cyclohexane             | 7.783  | 56    | 6757     | 3.091    | ug/l # | 54       |
| 39) Methylcyclohexane       | 9.179  | 83    | 4331     | 1.411    | ug/l   | 90       |
| 73) Isopropylbenzene        | 12.331 | 105   | 63623    | 7.142    | ug/l   | 99       |
| 78) n-propylbenzene         | 12.672 | 91    | 126166   | 12.171   | ug/l   | 97       |
| 85) sec-Butylbenzene        | 13.257 | 105   | 16812    | 1.730    | ug/l # | 60       |
| -----                       |        |       |          |          |        |          |

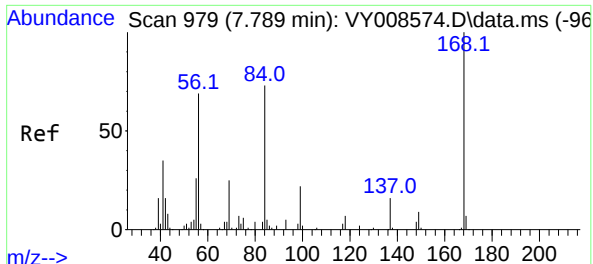
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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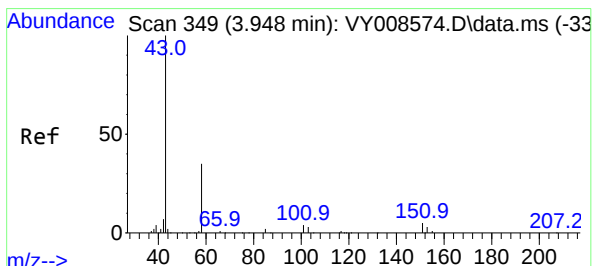
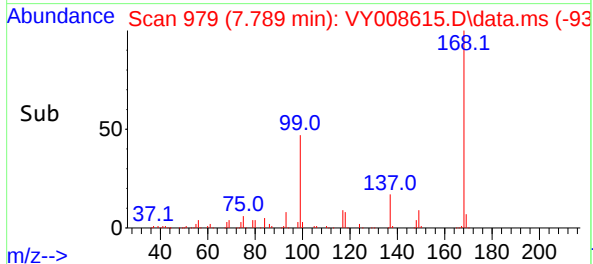
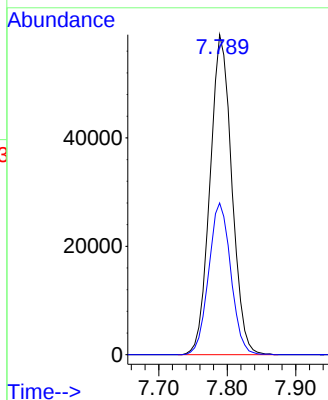
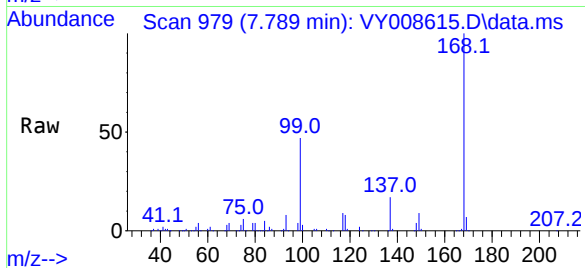




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

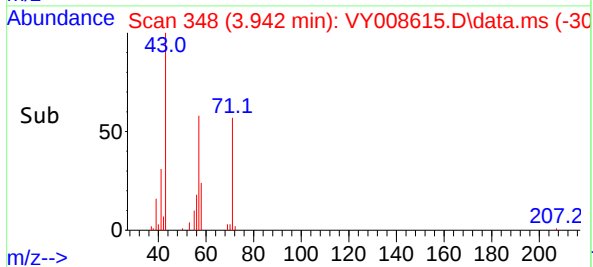
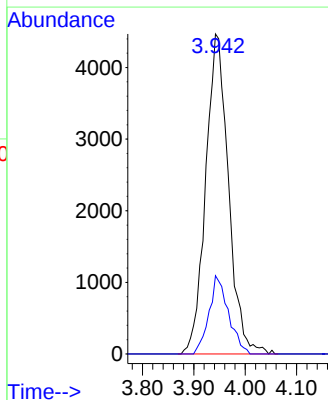
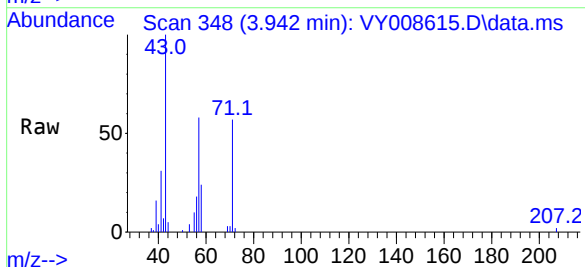
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB04-14-15-FT

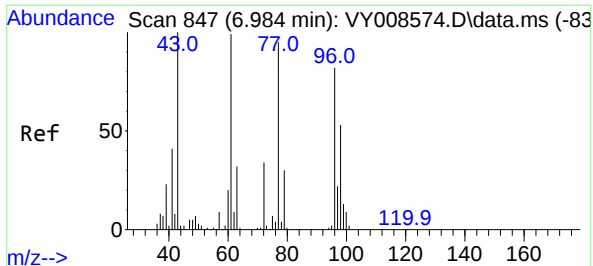
Tgt Ion:168 Resp: 130322  
Ion Ratio Lower Upper  
168 100  
99 47.4 46.9 70.3



#16  
Acetone  
Concen: 50.401 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.006 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

Tgt Ion: 43 Resp: 13755  
Ion Ratio Lower Upper  
43 100  
58 24.5 22.0 33.0





#25

2-Butanone

Concen: 8.330 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY008615.D

Acq: 04 May 2022 16:23

Instrument :

MSVOA\_Y

ClientSampleId :

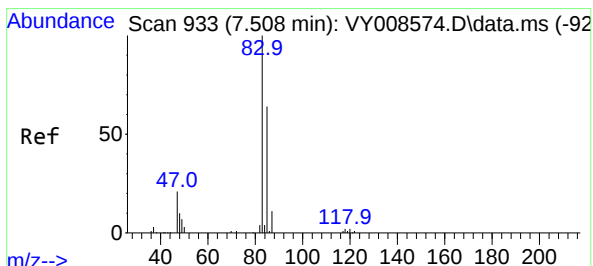
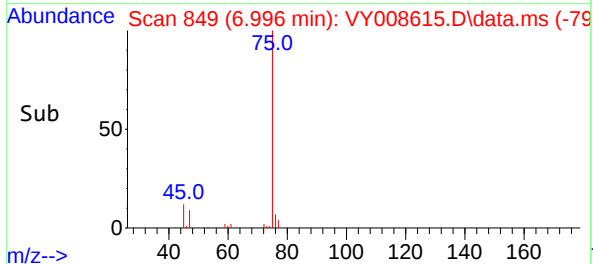
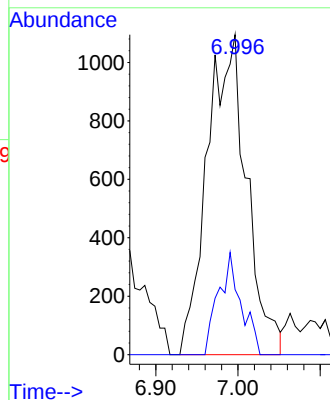
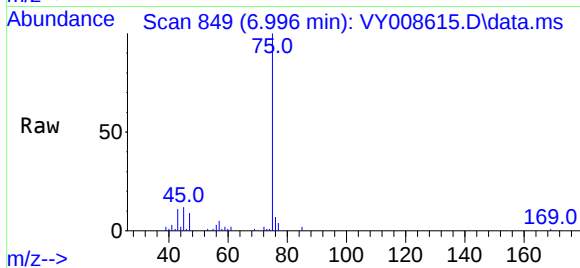
SB04-14-15-FT

Tgt Ion: 43 Resp: 3649

Ion Ratio Lower Upper

43 100

72 20.4 17.7 26.5



#30

Chloroform

Concen: 1.481 ug/l

RT: 7.502 min Scan# 932

Delta R.T. -0.006 min

Lab File: VY008615.D

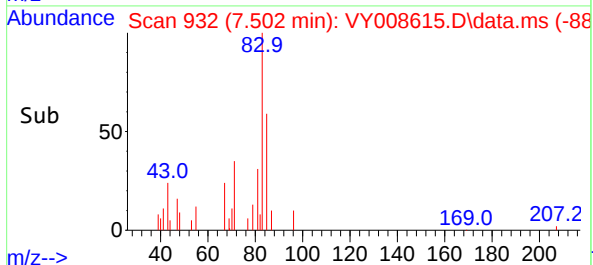
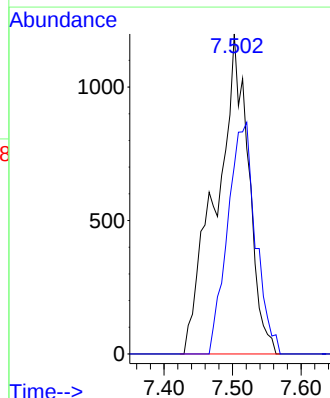
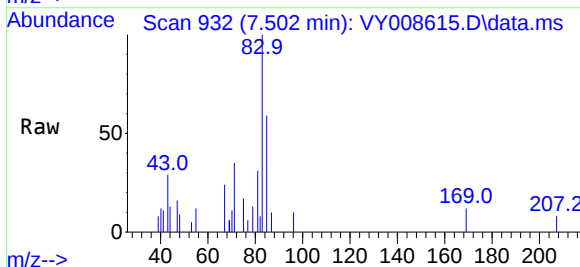
Acq: 04 May 2022 16:23

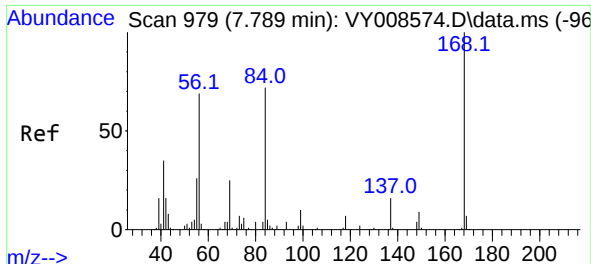
Tgt Ion: 83 Resp: 3953

Ion Ratio Lower Upper

83 100

85 58.7 51.8 77.6

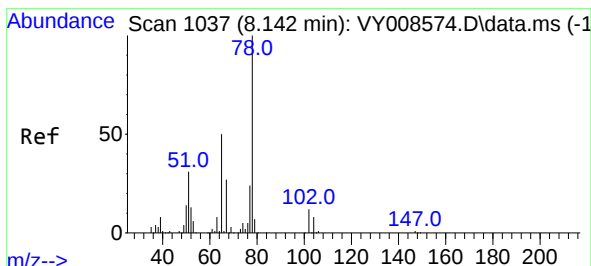
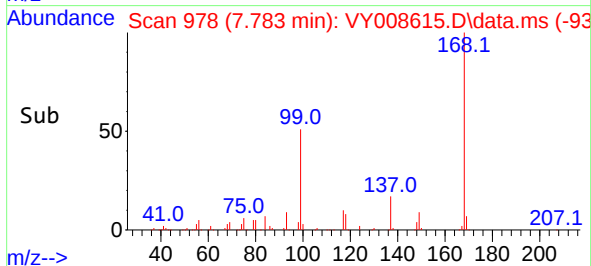
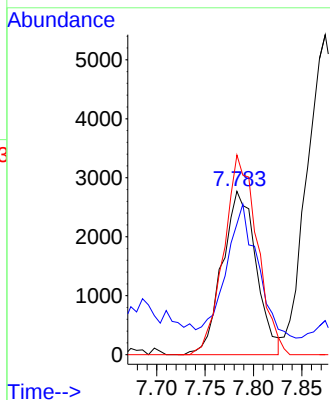
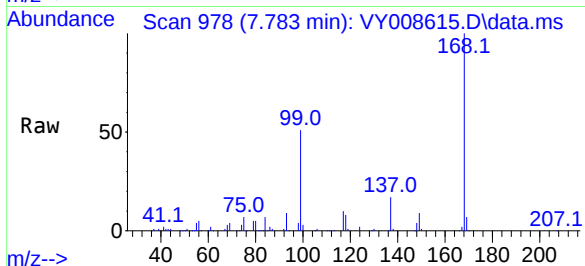




#31  
Cyclohexane  
Concen: 3.091 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

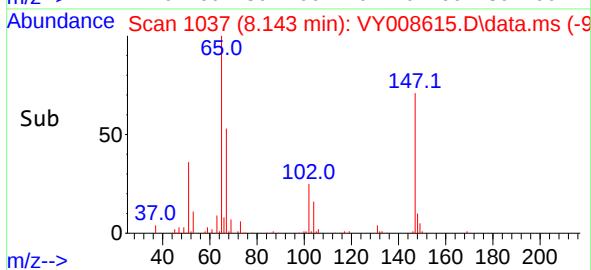
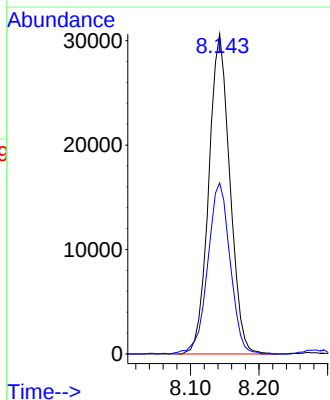
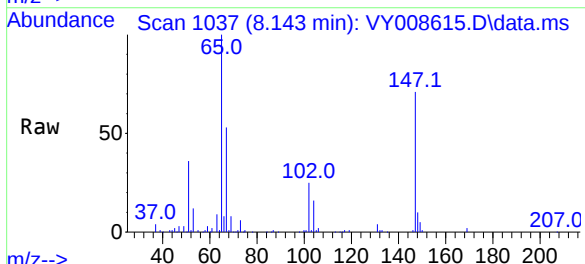
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB04-14-15-FT

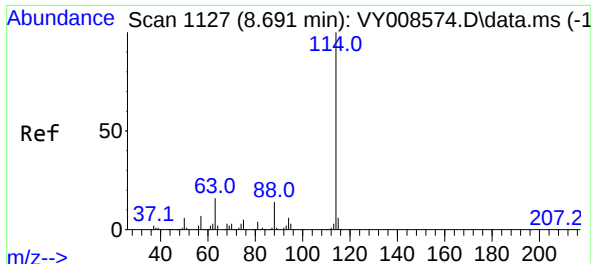
Tgt Ion: 56 Resp: 6757  
Ion Ratio Lower Upper  
56 100  
69 64.5 26.7 40.1#  
84 122.2 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 51.777 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

Tgt Ion: 65 Resp: 65583  
Ion Ratio Lower Upper  
65 100  
67 56.6 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: VY008615.D

Acq: 04 May 2022 16:23

Instrument :

MSVOA\_Y

ClientSampleId :

SB04-14-15-FT

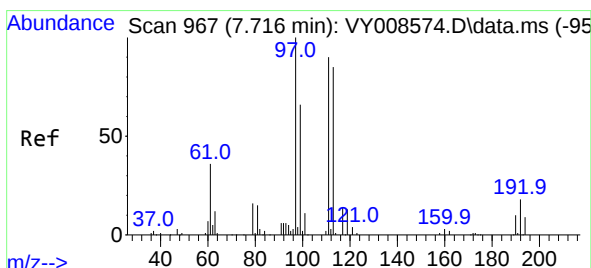
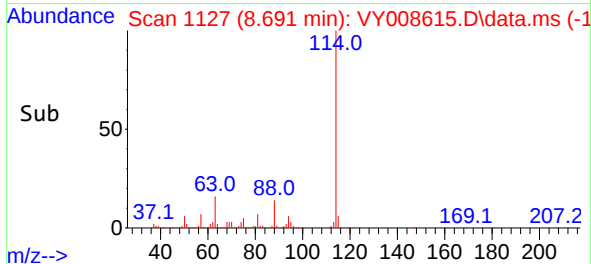
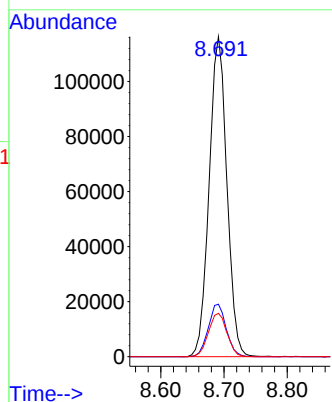
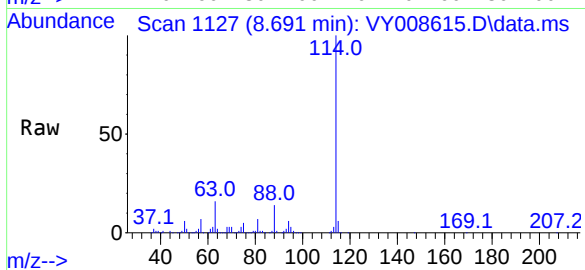
Tgt Ion:114 Resp: 226116

Ion Ratio Lower Upper

114 100

63 16.4 0.0 43.2

88 13.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.154 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008615.D

Acq: 04 May 2022 16:23

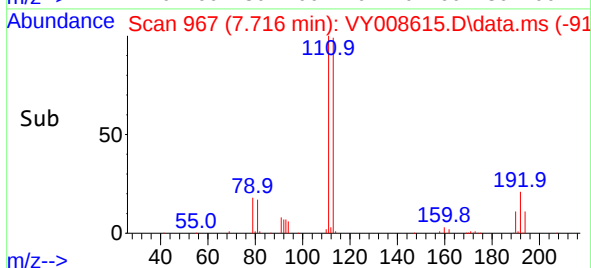
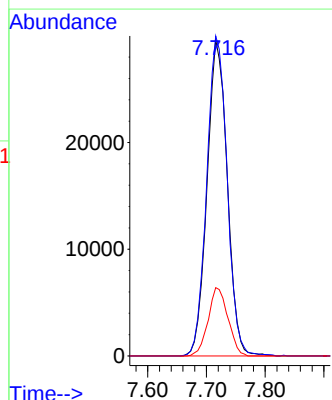
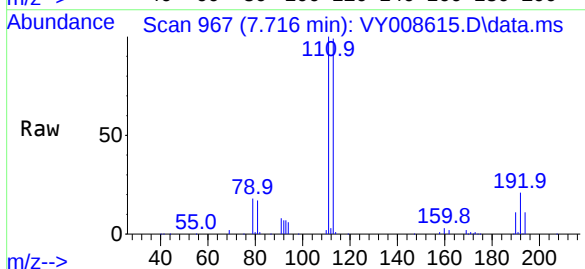
Tgt Ion:113 Resp: 70552

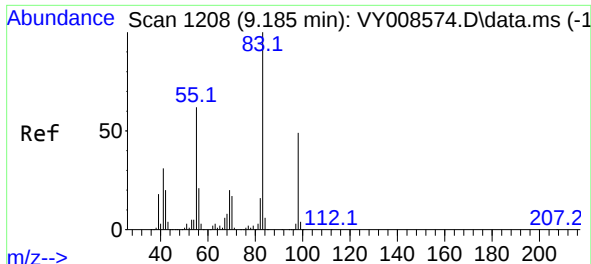
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 21.2 17.6 26.4





#39

Methylcyclohexane

Concen: 1.411 ug/l

RT: 9.179 min Scan# 1208

Delta R.T. -0.006 min

Lab File: VY008615.D

Acq: 04 May 2022 16:23

Instrument :

MSVOA\_Y

ClientSampleId :

SB04-14-15-FT

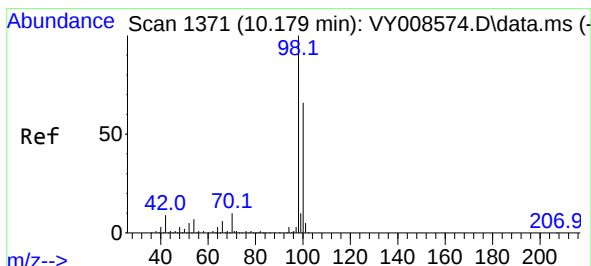
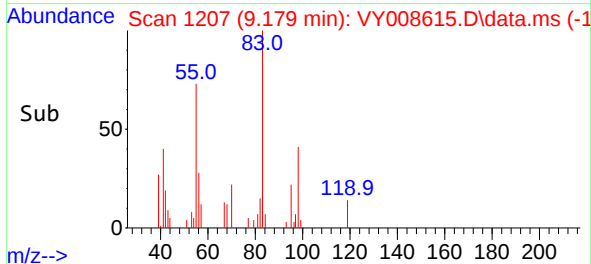
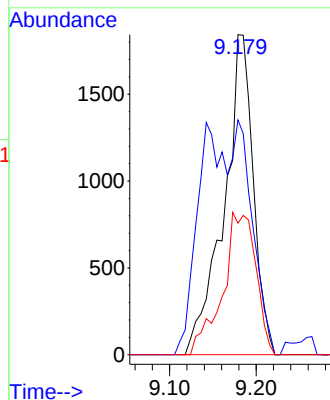
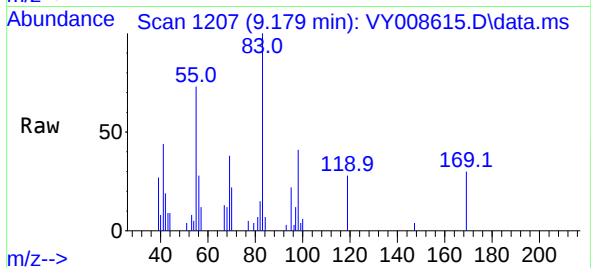
Tgt Ion: 83 Resp: 4331

Ion Ratio Lower Upper

83 100

55 73.4 66.5 99.7

98 41.1 37.9 56.9



#50

Toluene-d8

Concen: 51.288 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY008615.D

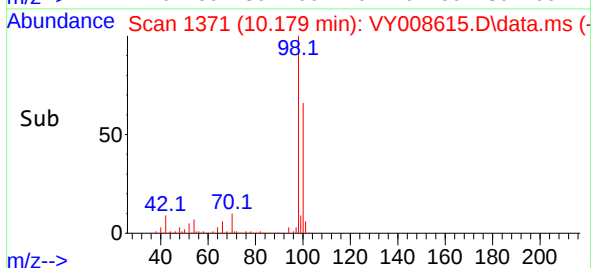
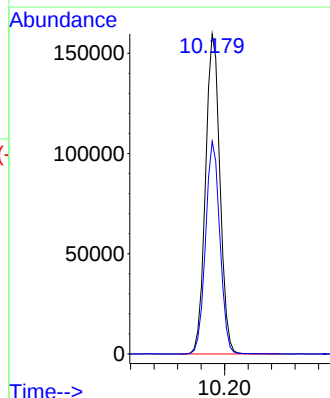
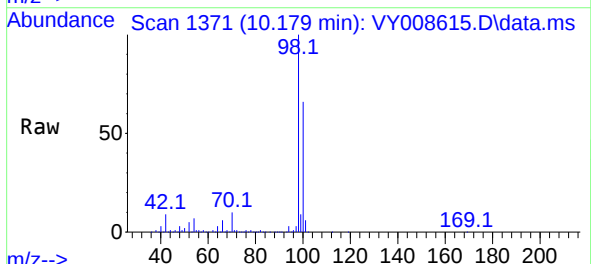
Acq: 04 May 2022 16:23

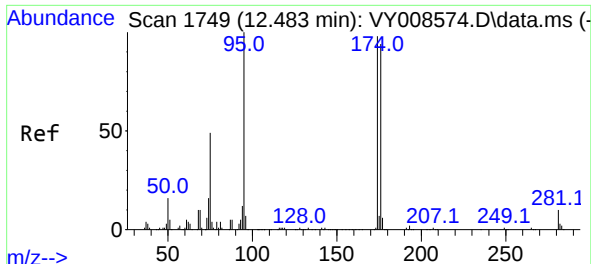
Tgt Ion: 98 Resp: 271869

Ion Ratio Lower Upper

98 100

100 66.0 50.2 75.2

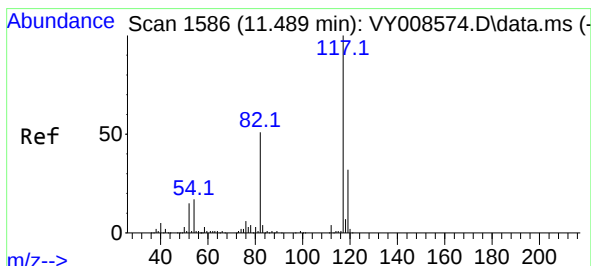
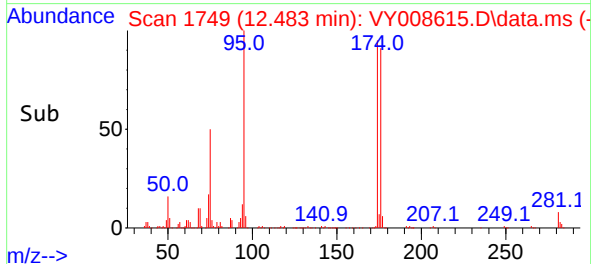
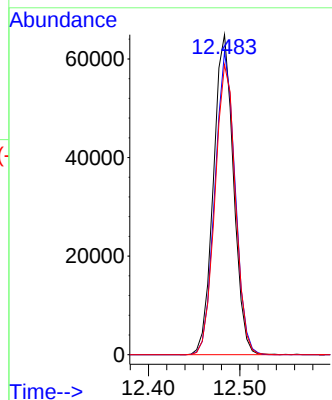
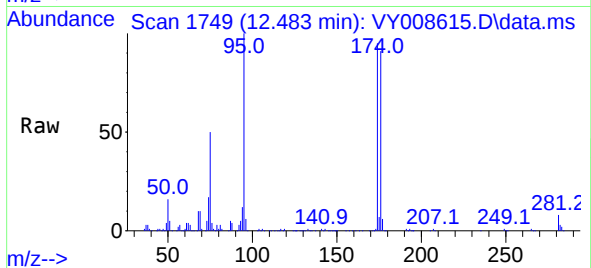




#62  
4-Bromofluorobenzene  
Concen: 50.989 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

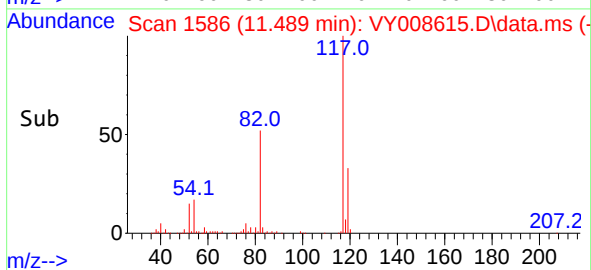
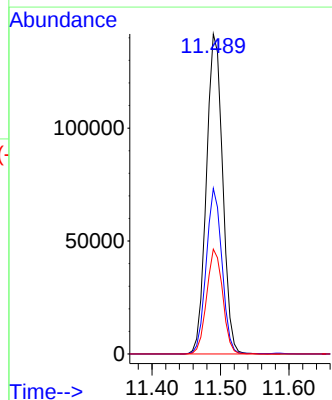
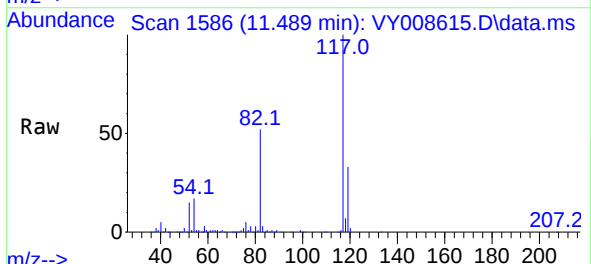
Instrument :  
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ClientSampleId :  
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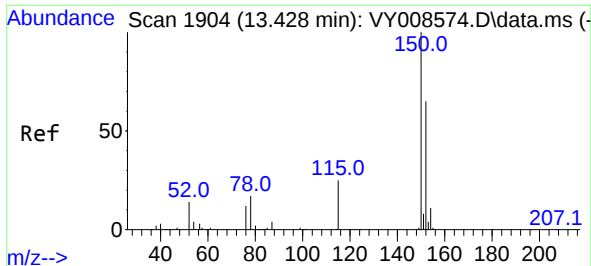
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 99064 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 95.0  | 0.0   | 177.0 |
| 176      | 92.1  | 0.0   | 175.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 234024 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 51.8  | 43.0  | 64.4   |
| 119      | 32.7  | 25.4  | 38.0   |

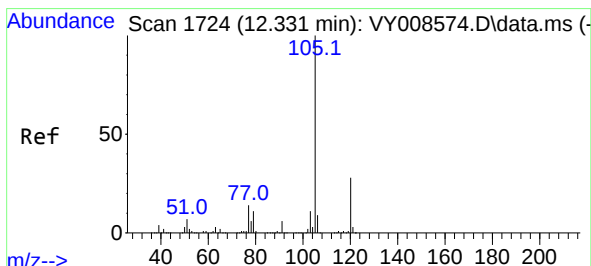
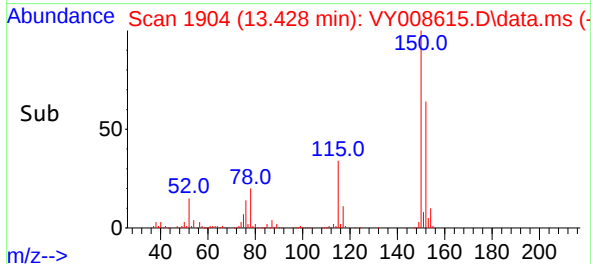
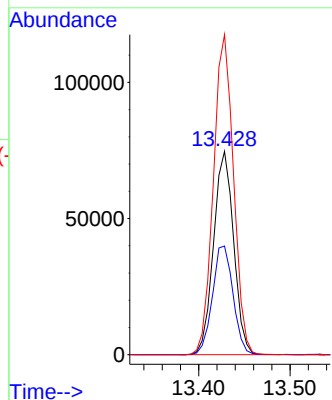
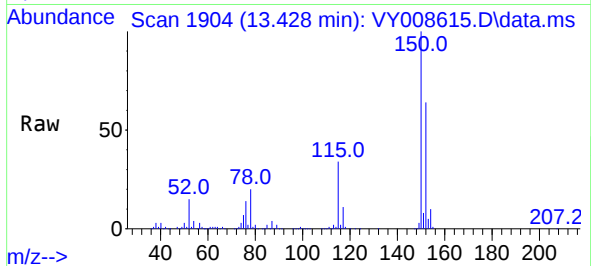




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

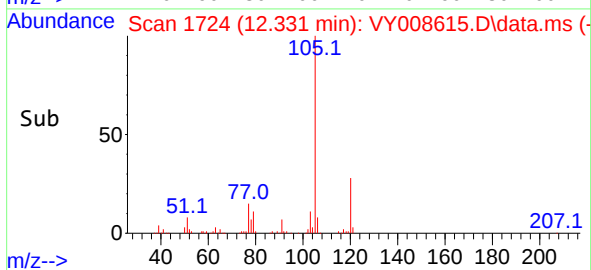
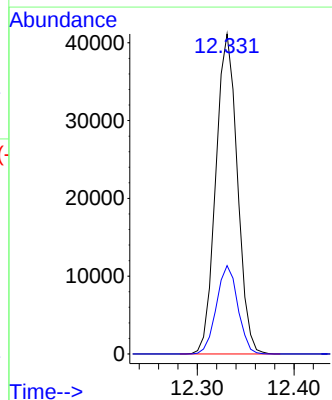
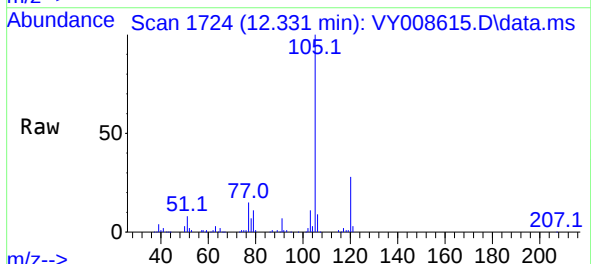
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB04-14-15-FT

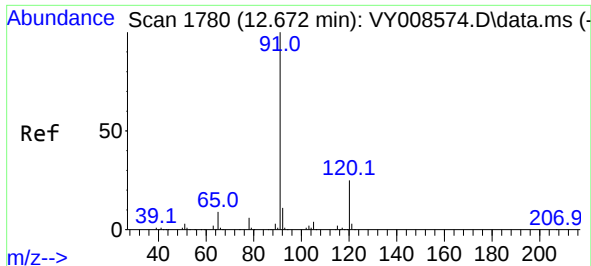
Tgt Ion:152 Resp: 114191  
Ion Ratio Lower Upper  
152 100  
115 54.9 28.2 84.7  
150 157.6 0.0 347.6



#73  
Isopropylbenzene  
Concen: 7.142 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

Tgt Ion:105 Resp: 63623  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.4 40.2

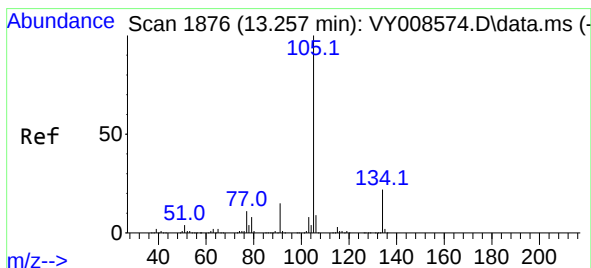
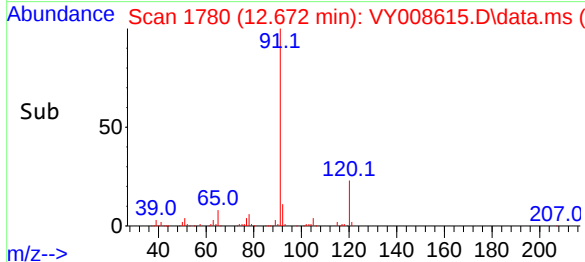
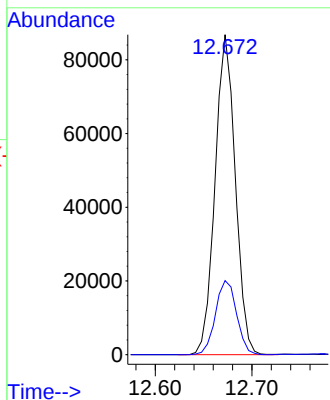
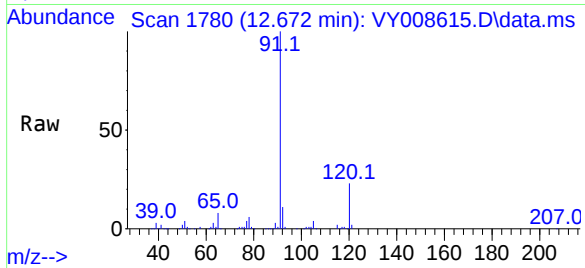




#78  
n-propylbenzene  
Concen: 12.171 ug/l  
RT: 12.672 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB04-14-15-FT

Tgt Ion: 91 Resp: 126166  
Ion Ratio Lower Upper  
91 100  
120 24.1 11.3 33.9



#85  
sec-Butylbenzene  
Concen: 1.730 ug/l  
RT: 13.257 min Scan# 1876  
Delta R.T. 0.000 min  
Lab File: VY008615.D  
Acq: 04 May 2022 16:23

Tgt Ion: 105 Resp: 16812  
Ion Ratio Lower Upper  
105 100  
134 38.6 10.2 30.4#

