

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032222\  
 Data File : VY008008.D  
 Acq On : 22 Mar 2022 18:15  
 Operator : SY/MD  
 Sample : N2070-04  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-212

Quant Time: Mar 23 05:09:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Mar 17 13:55:34 2022  
 Response via : Initial Calibration

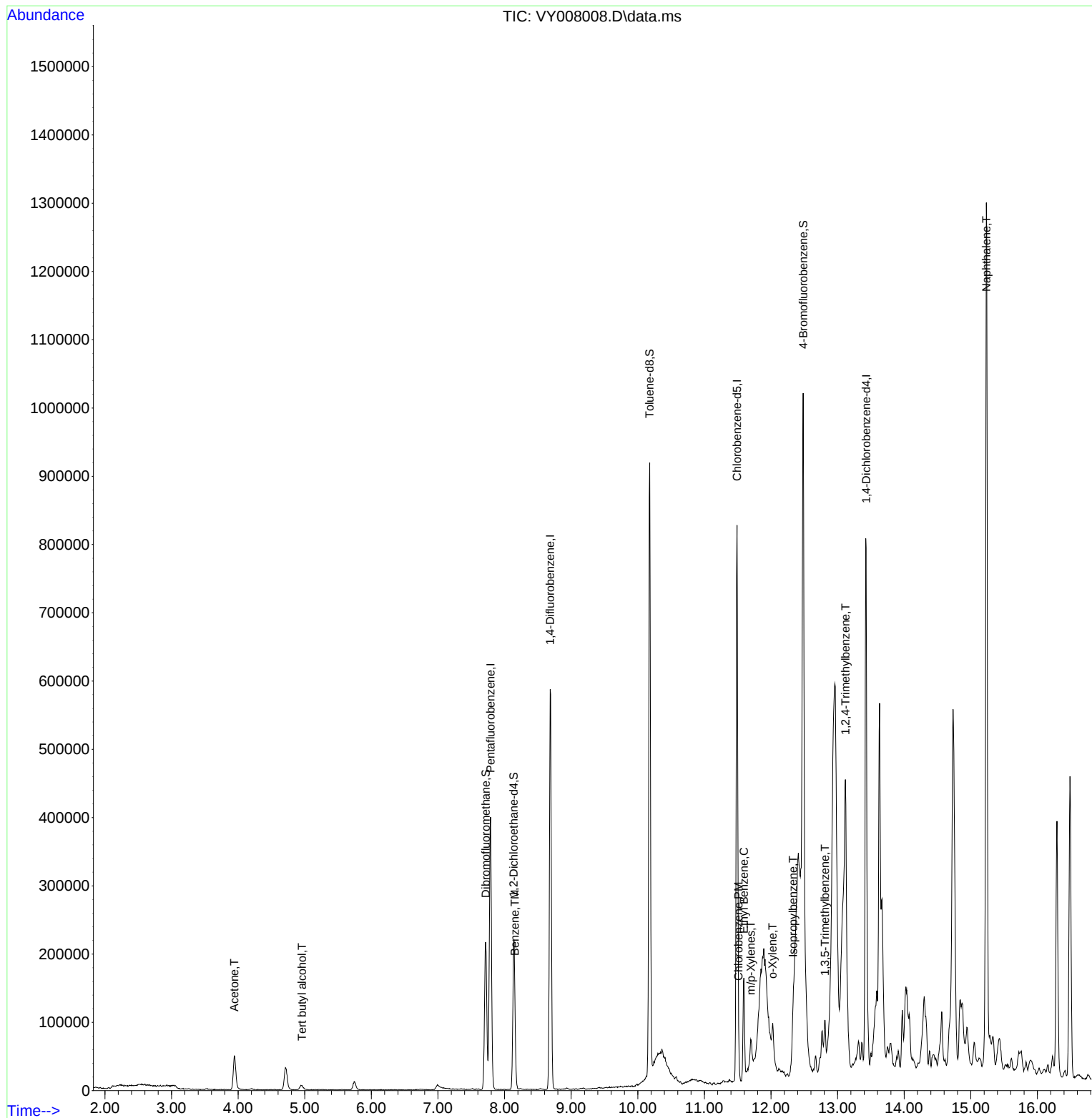
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 315001   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 526118   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 467019   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 206711   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 159018   | 44.275   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 88.540%  |
| 35) Dibromofluoromethane    | 7.716  | 113   | 155714   | 42.143   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 84.280%  |
| 50) Toluene-d8              | 10.179 | 98    | 608201   | 55.126   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 110.260% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 207846   | 39.195   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 78.400%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 4.960  | 59    | 13739    | 32.836   | ug/l # | 91       |
| 16) Acetone                 | 3.942  | 43    | 85098    | 89.314   | ug/l # | 86       |
| 40) Benzene                 | 8.155  | 78    | 16632    | 1.039    | ug/l   | 92       |
| 65) Chlorobenzene           | 11.514 | 112   | 13817    | 1.235    | ug/l   | 93       |
| 67) Ethyl Benzene           | 11.593 | 91    | 106816   | 5.360    | ug/l   | 99       |
| 68) m/p-Xylenes             | 11.697 | 106   | 11683    | 1.503    | ug/l   | 93       |
| 69) o-Xylene                | 12.026 | 106   | 9873     | 1.313    | ug/l   | 96       |
| 73) Isopropylbenzene        | 12.331 | 105   | 25010    | 1.375    | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene  | 12.813 | 105   | 23704    | 1.584    | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene  | 13.117 | 105   | 90191    | 6.149    | ug/l   | 99       |
| 95) Naphthalene             | 15.233 | 128   | 1041824  | 101.132  | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

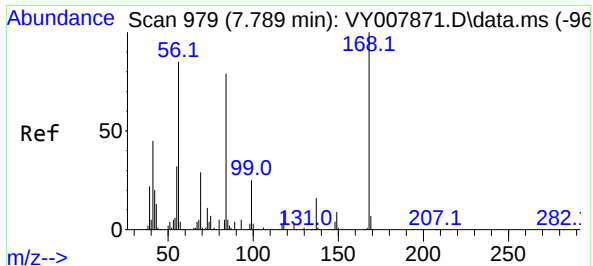
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY032222\  
Data File : VY008008.D  
Acq On : 22 Mar 2022 18:15  
Operator : SY/MD  
Sample : N2070-04  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

Quant Time: Mar 23 05:09:45 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y031722S.M  
Quant Title : SW846 8260  
QLast Update : Thu Mar 17 13:55:34 2022  
Response via : Initial Calibration

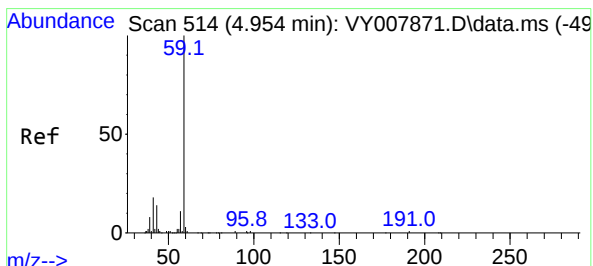
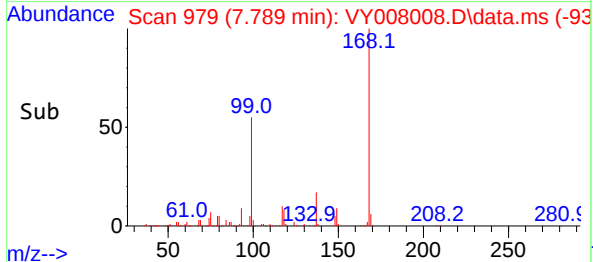
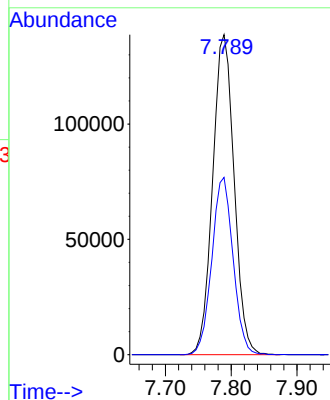
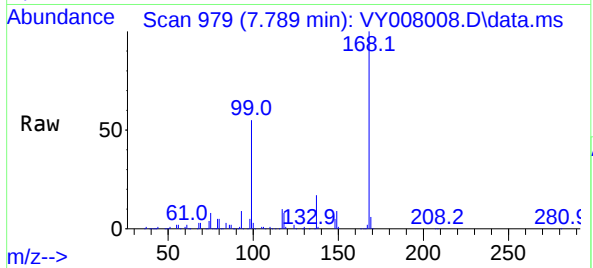




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

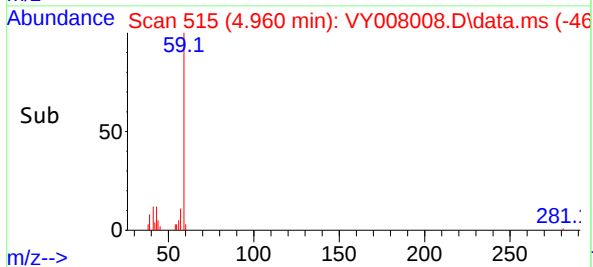
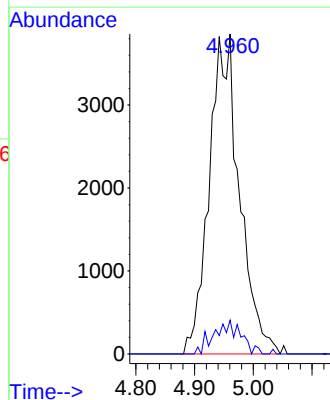
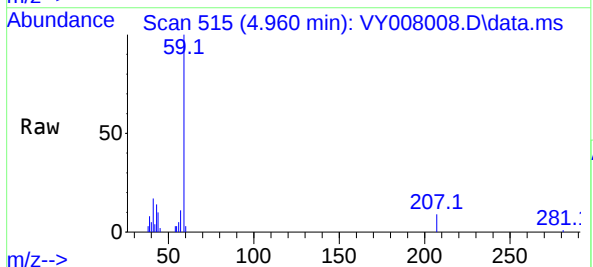
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

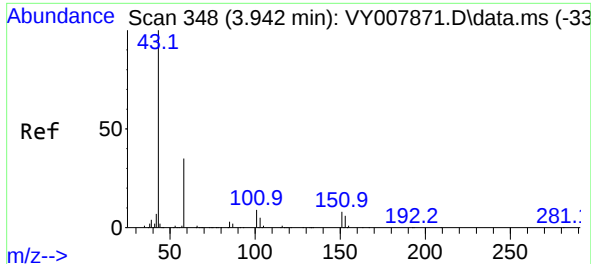
Tgt Ion:168 Resp: 315001  
Ion Ratio Lower Upper  
168 100  
99 55.4 46.9 70.3



#11  
Tert butyl alcohol  
Concen: 32.836 ug/l  
RT: 4.960 min Scan# 515  
Delta R.T. 0.006 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Tgt Ion: 59 Resp: 13739  
Ion Ratio Lower Upper  
59 100  
57 4.7 6.4 9.6#





#16

Acetone

Concen: 89.314 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY008008.D

Acq: 22 Mar 2022 18:15

Instrument :

MSVOA\_Y

ClientSampleId :

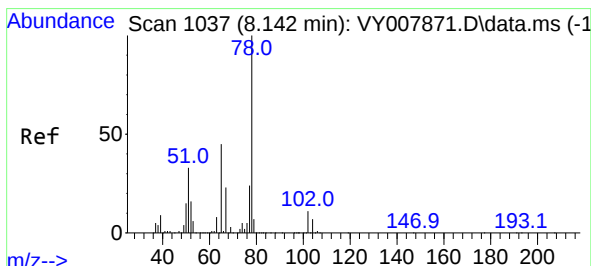
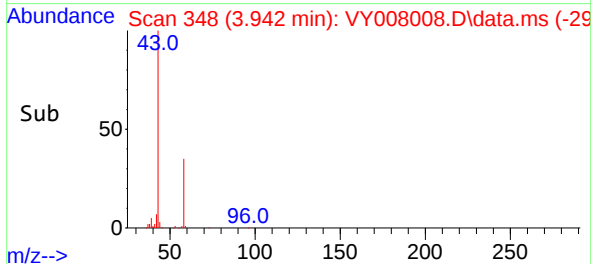
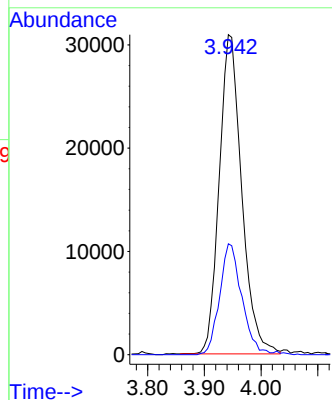
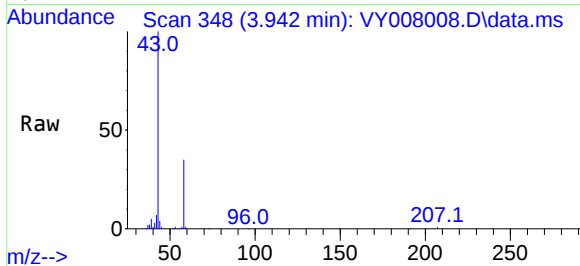
VNJ-212

Tgt Ion: 43 Resp: 85098

Ion Ratio Lower Upper

43 100

58 34.7 22.0 33.0#



#33

1,2-Dichloroethane-d4

Concen: 44.275 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY008008.D

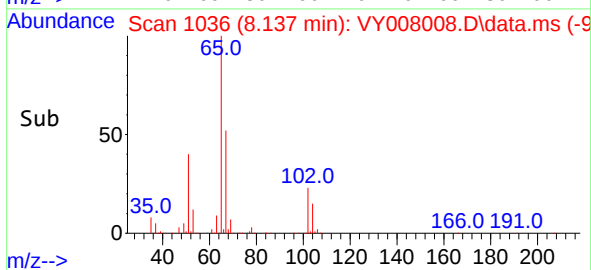
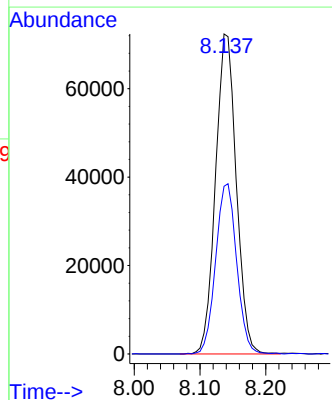
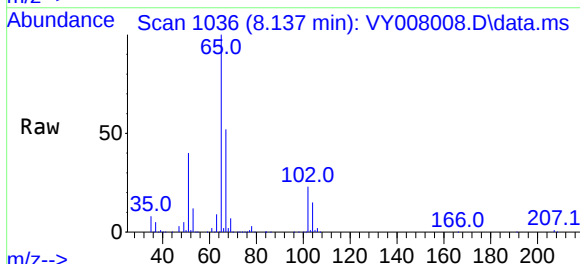
Acq: 22 Mar 2022 18:15

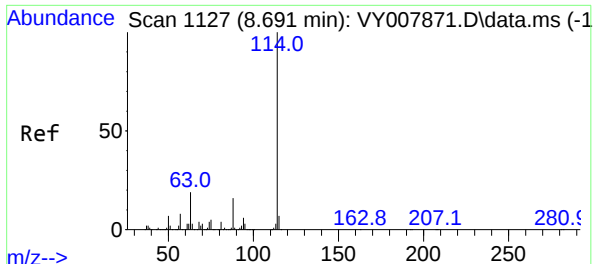
Tgt Ion: 65 Resp: 159018

Ion Ratio Lower Upper

65 100

67 53.8 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: VY008008.D

Acq: 22 Mar 2022 18:15

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-212

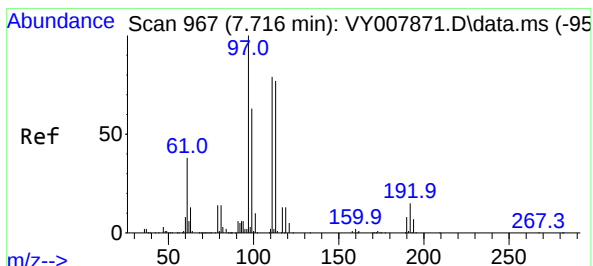
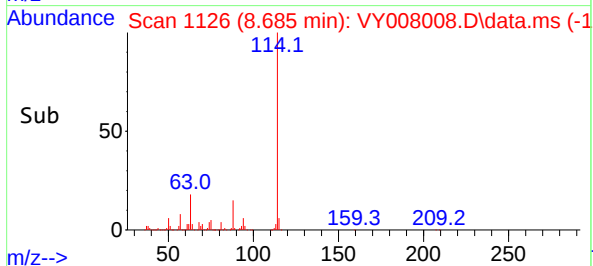
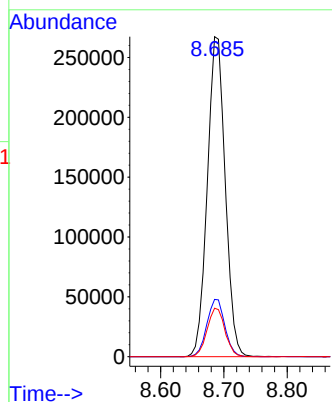
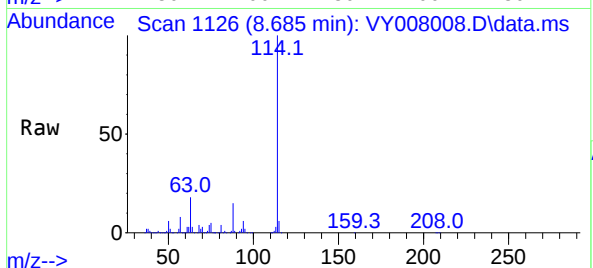
Tgt Ion:114 Resp: 526118

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.143 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008008.D

Acq: 22 Mar 2022 18:15

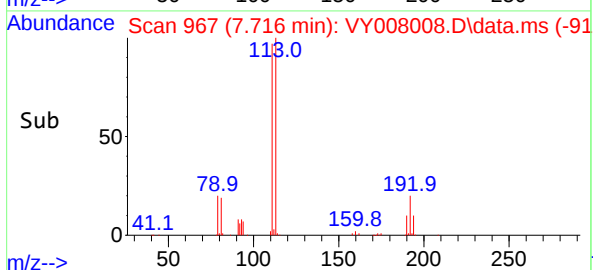
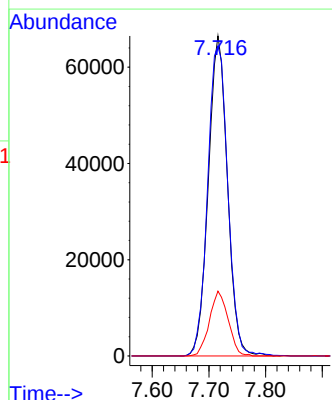
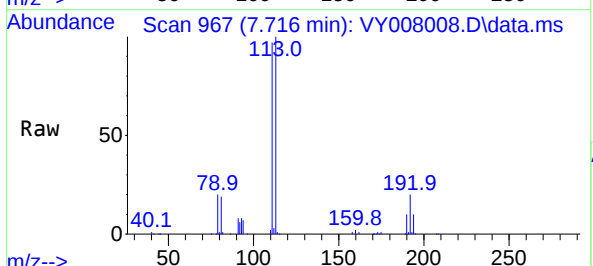
Tgt Ion:113 Resp: 155714

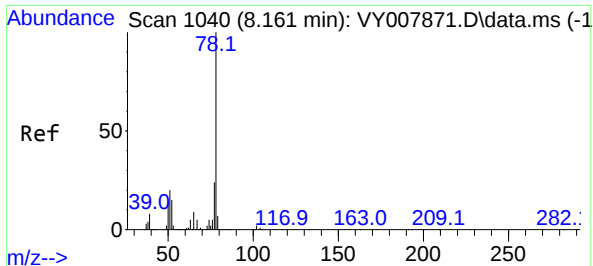
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 19.8 17.6 26.4

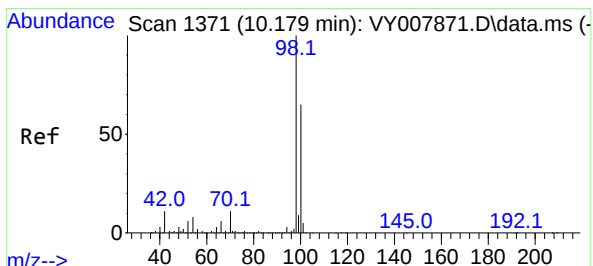
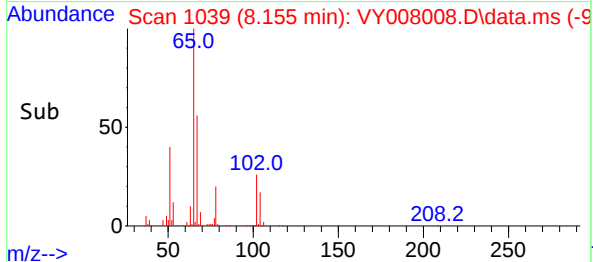
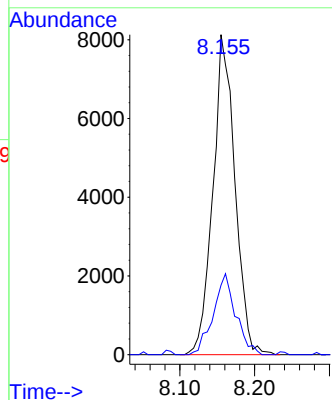
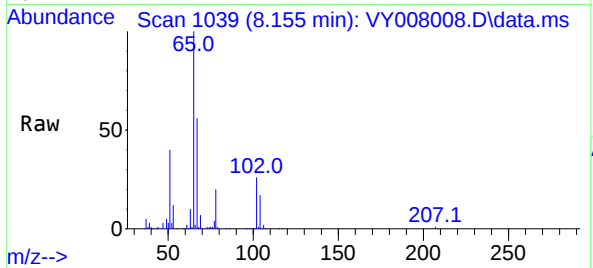




#40  
Benzene  
Concen: 1.039 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

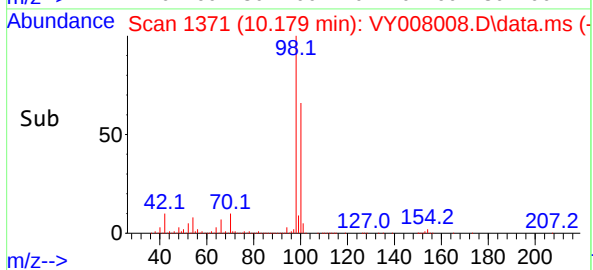
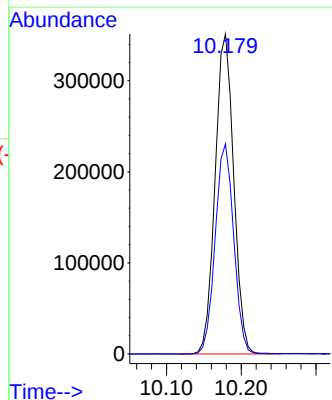
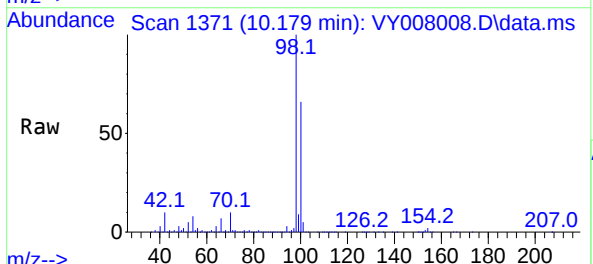
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

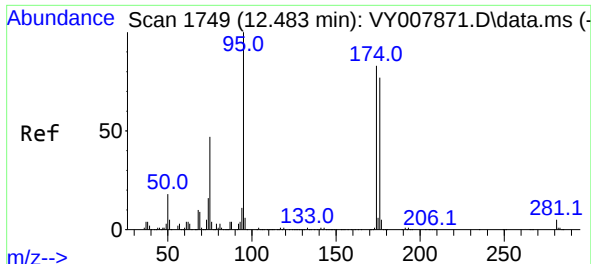
Tgt Ion: 78 Resp: 16632  
Ion Ratio Lower Upper  
78 100  
77 21.7 20.4 30.6



#50  
Toluene-d8  
Concen: 55.126 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Tgt Ion: 98 Resp: 608201  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2

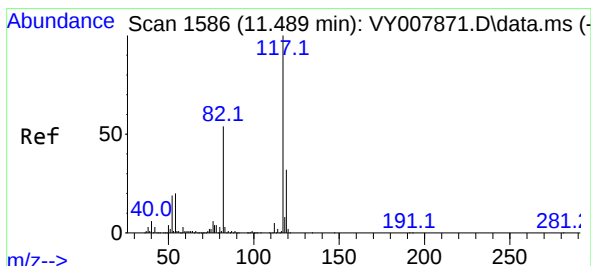
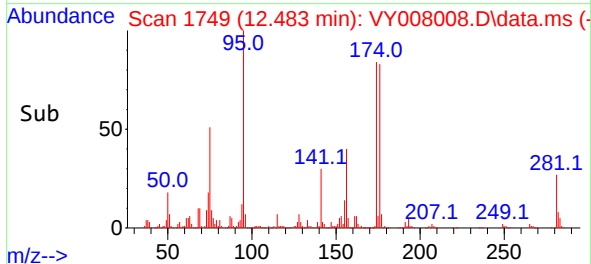
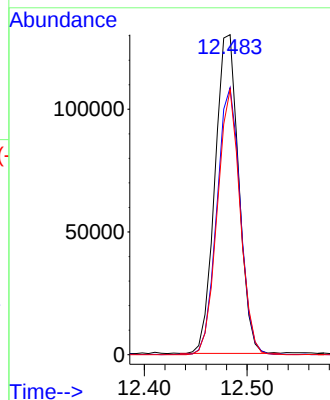
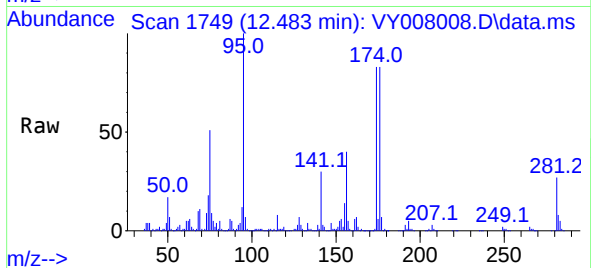




#62  
4-Bromofluorobenzene  
Concen: 39.195 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

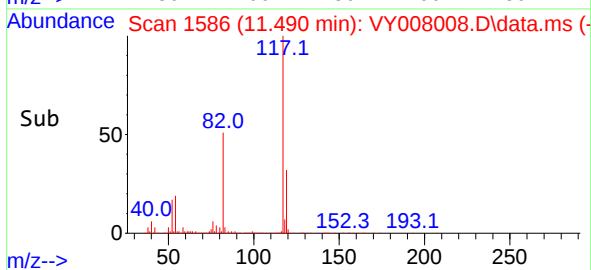
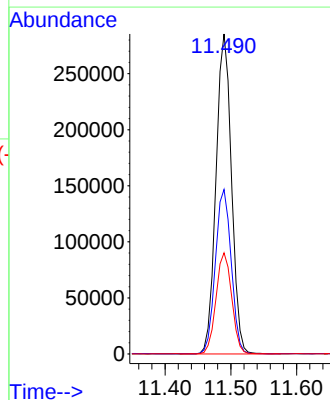
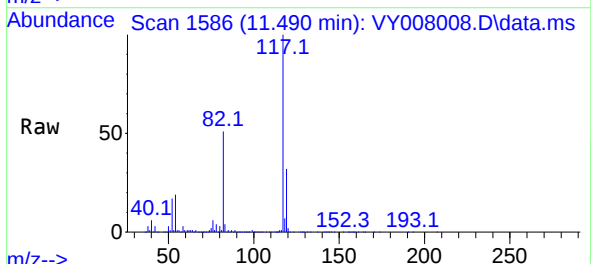
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

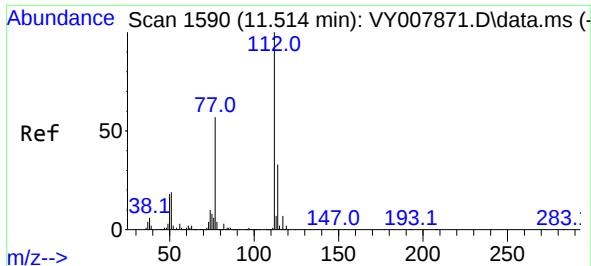
Tgt Ion: 95 Resp: 207846  
Ion Ratio Lower Upper  
95 100  
174 82.9 0.0 177.0  
176 79.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Tgt Ion: 117 Resp: 467019  
Ion Ratio Lower Upper  
117 100  
82 51.3 43.0 64.4  
119 31.6 25.4 38.0

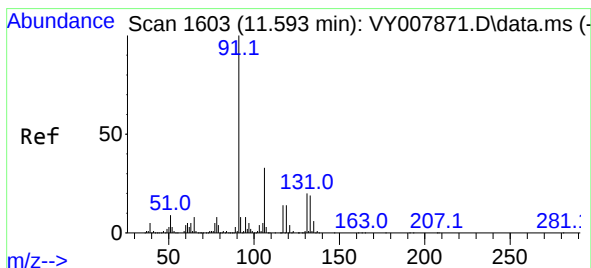
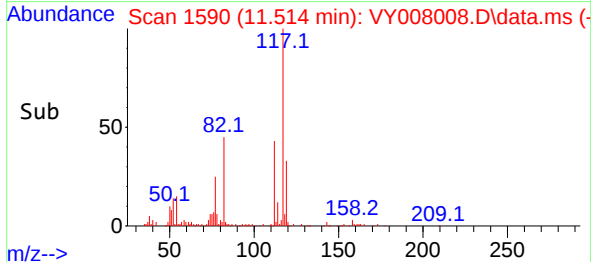
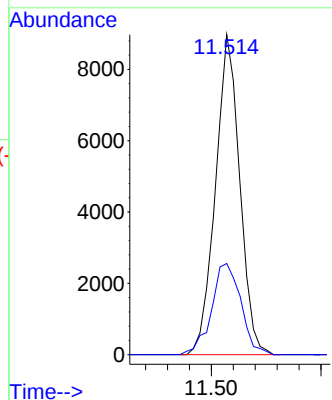
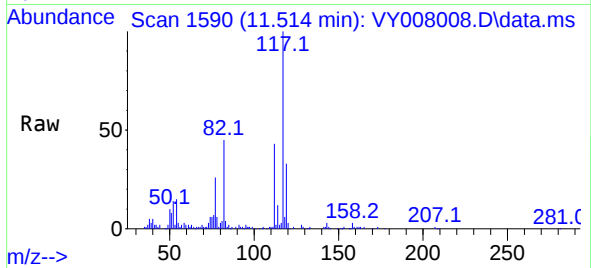




#65  
Chlorobenzene  
Concen: 1.235 ug/l  
RT: 11.514 min Scan# 111  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

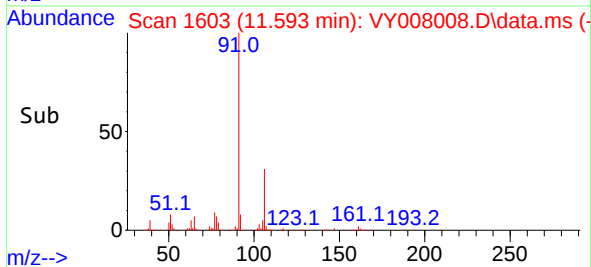
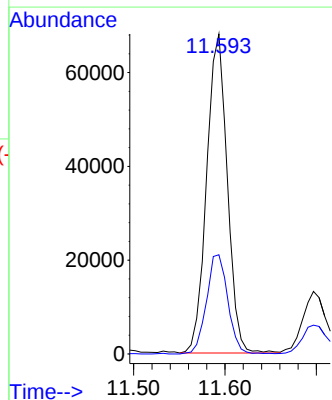
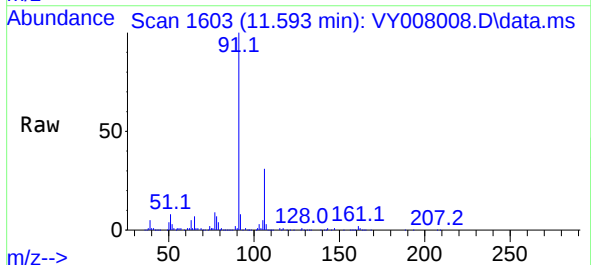
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

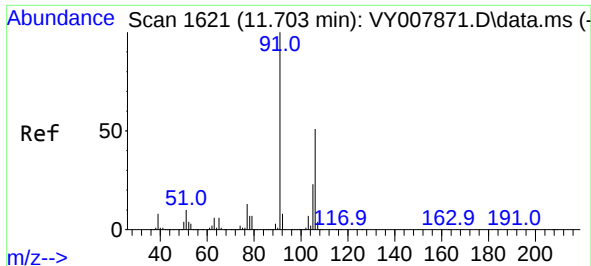
Tgt Ion:112 Resp: 13817  
Ion Ratio Lower Upper  
112 100  
114 28.5 25.8 38.6



#67  
Ethyl Benzene  
Concen: 5.360 ug/l  
RT: 11.593 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Tgt Ion: 91 Resp: 106816  
Ion Ratio Lower Upper  
91 100  
106 31.1 24.5 36.7

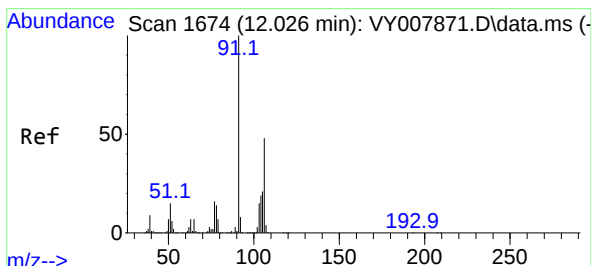
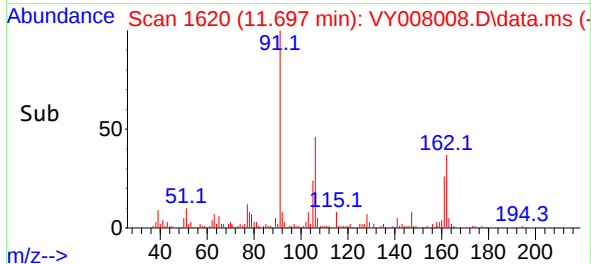
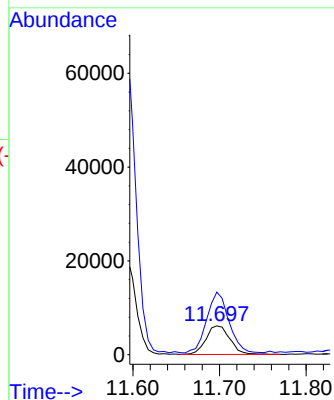
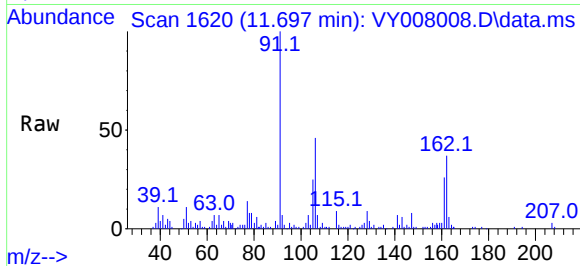




#68  
m/p-Xylenes  
Concen: 1.503 ug/l  
RT: 11.697 min Scan# 1620  
Delta R.T. -0.006 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

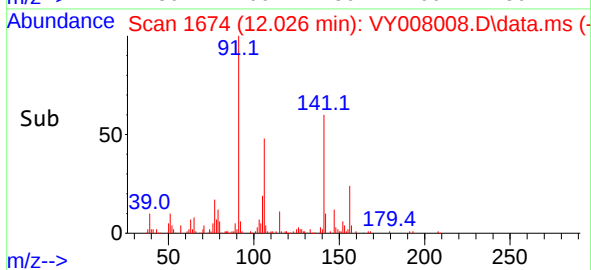
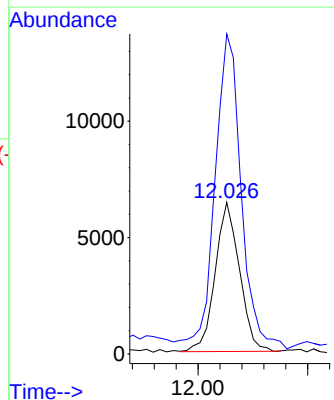
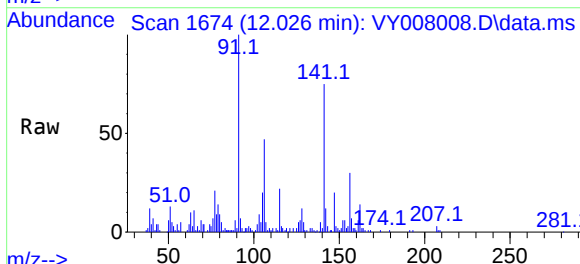
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

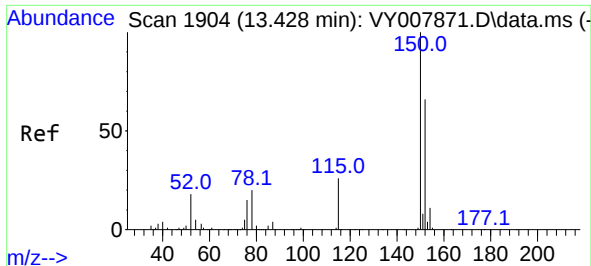
Tgt Ion:106 Resp: 11683  
Ion Ratio Lower Upper  
106 100  
91 196.7 166.6 249.8



#69  
o-Xylene  
Concen: 1.313 ug/l  
RT: 12.026 min Scan# 1674  
Delta R.T. -0.006 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Tgt Ion:106 Resp: 9873  
Ion Ratio Lower Upper  
106 100  
91 227.7 110.3 331.0

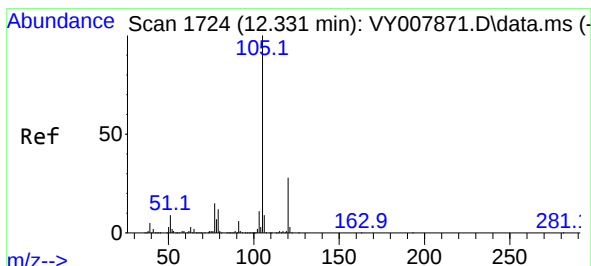
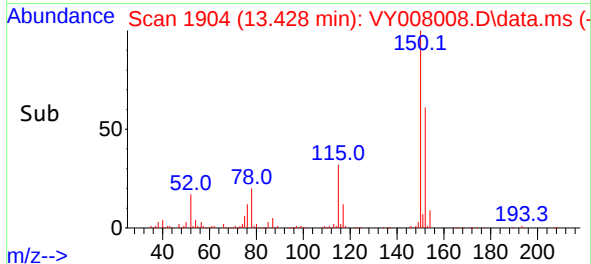
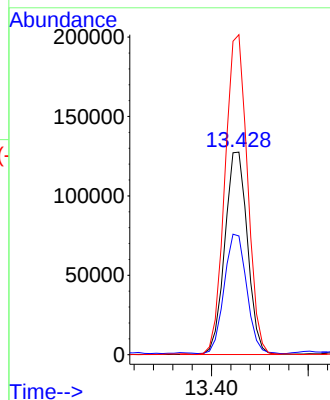
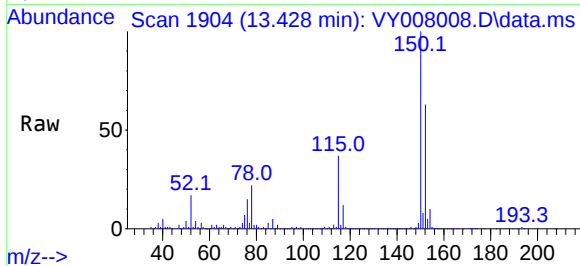




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

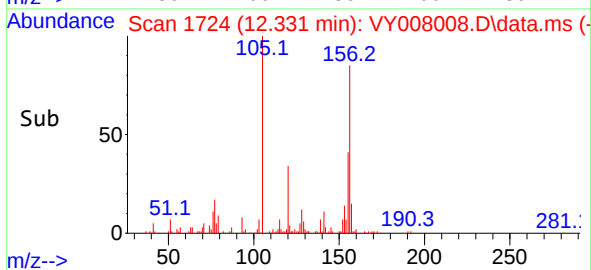
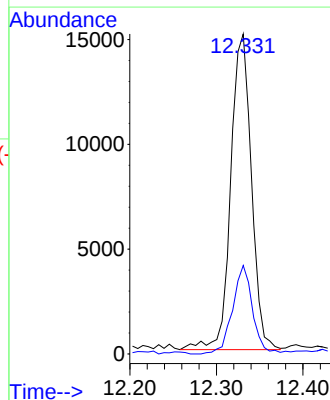
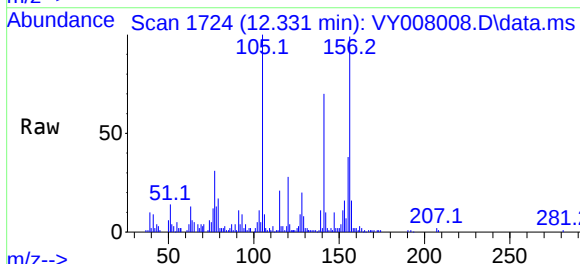
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

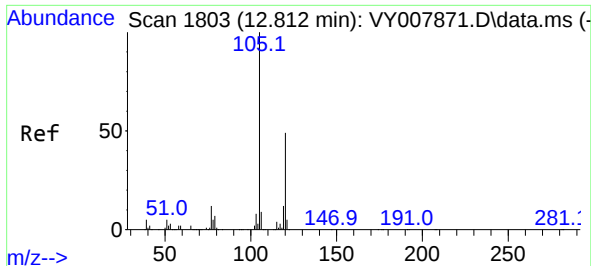
Tgt Ion:152 Resp: 206711  
Ion Ratio Lower Upper  
152 100  
115 58.5 28.2 84.7  
150 157.0 0.0 347.6



#73  
Isopropylbenzene  
Concen: 1.375 ug/l  
RT: 12.331 min Scan# 1724  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Tgt Ion:105 Resp: 25010  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.4 40.2

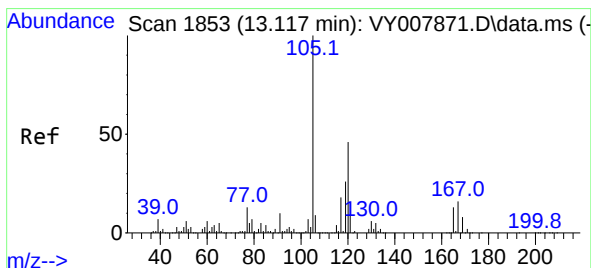
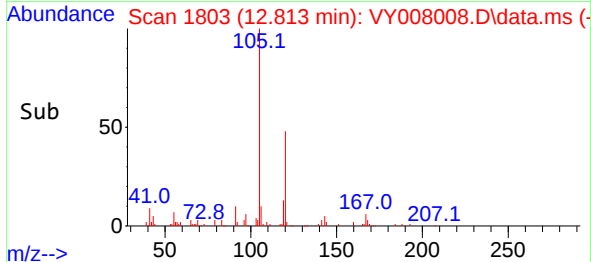
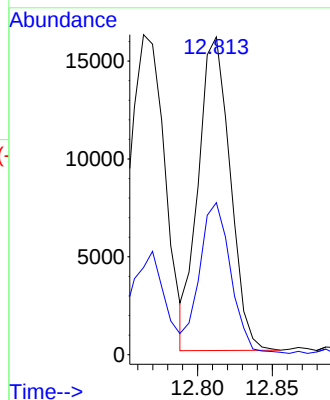
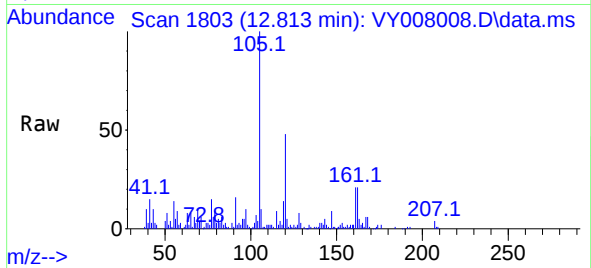




#80  
1,3,5-Trimethylbenzene  
Concen: 1.584 ug/l  
RT: 12.813 min Scan# 1803  
Delta R.T. 0.000 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

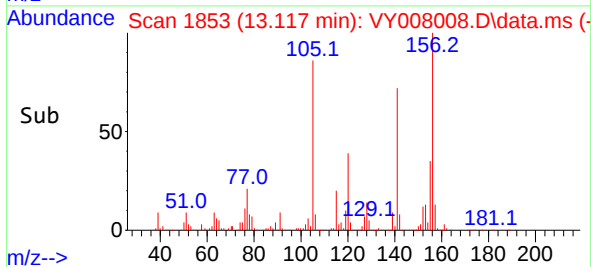
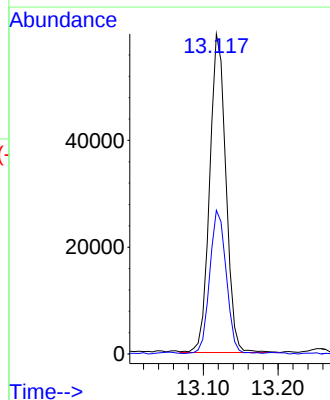
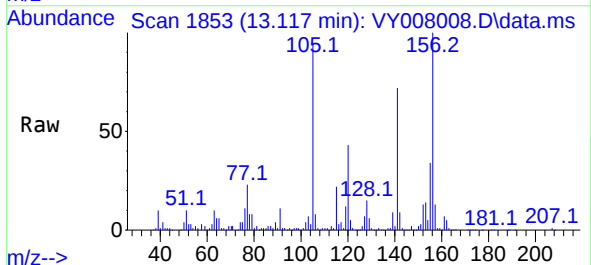
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212

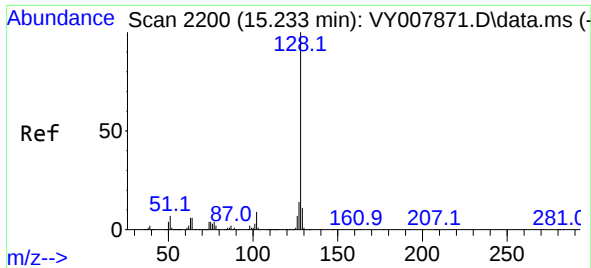
Tgt Ion:105 Resp: 23704  
Ion Ratio Lower Upper  
105 100  
120 47.4 24.4 73.4



#84  
1,2,4-Trimethylbenzene  
Concen: 6.149 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

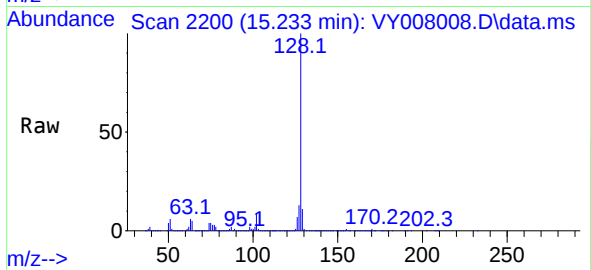
Tgt Ion:105 Resp: 90191  
Ion Ratio Lower Upper  
105 100  
120 45.5 22.3 66.9





#95  
Naphthalene  
Concen: 101.132 ug/l  
RT: 15.233 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VY008008.D  
Acq: 22 Mar 2022 18:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-212



Tgt Ion:128 Resp: 1041824  
Ion Ratio Lower Upper  
128 100  
127 12.7 11.0 16.4  
129 11.2 8.4 12.6

