

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110722\  
 Data File : VY011335.D  
 Acq On : 07 Nov 2022 15:17  
 Operator : KP/MD  
 Sample : N5495-05  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-31B

Quant Time: Nov 08 03:29:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

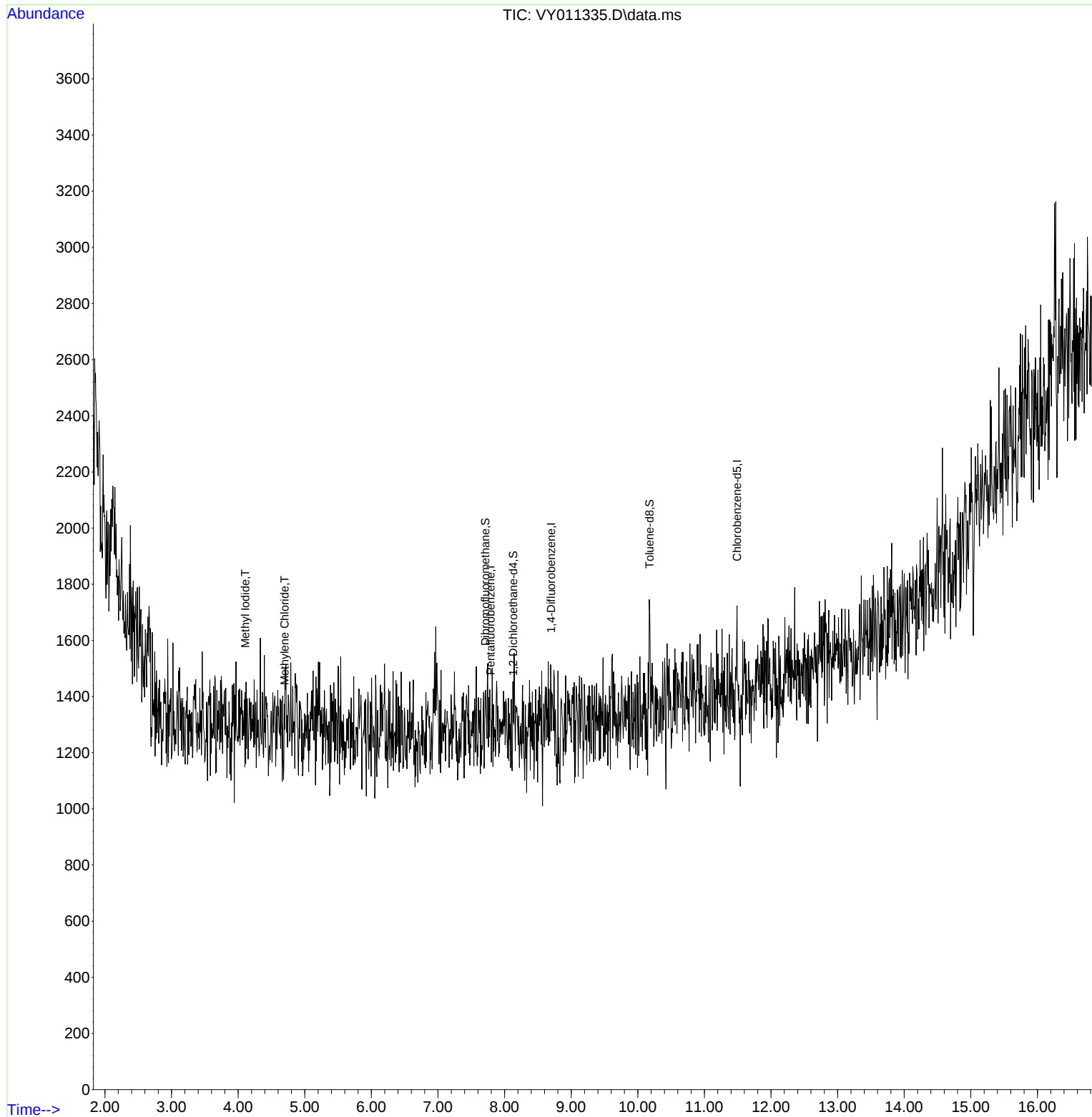
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.789  | 168   | 72       | 50.000   | ug/l  | # 0.00    |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 301      | 50.000   | ug/l  | 0.01      |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 157      | 50.000   | ug/l  | # 0.00    |
| 72) 1,4-Dichlorobenzene-d4  | 0.000  | 152   | 0        | 0.000    | ug/l  | -13.42    |
|                             |        |       |          |          |       |           |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.130  | 65    | 101      | 131.162  | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 262.320%# |
| 35) Dibromofluoromethane    | 7.710  | 113   | 41       | 21.201   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 42.400%#  |
| 50) Toluene-d8              | 10.179 | 98    | 287      | 38.223   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 76.440%   |
| 62) 4-Bromofluorobenzene    | 0.000  | 95    | 0        | 0.000    | ug/l  |           |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 0.000%#   |
|                             |        |       |          |          |       |           |
| Target Compounds            |        |       |          |          |       | Qvalue    |
| 10) Methyl Iodide           | 4.107  | 142   | 24       | 23.537   | ug/l  | # 35      |
| 20) Methylene Chloride      | 4.698  | 84    | 84       | 92.653   | ug/l  | # 1       |
| -----                       |        |       |          |          |       |           |

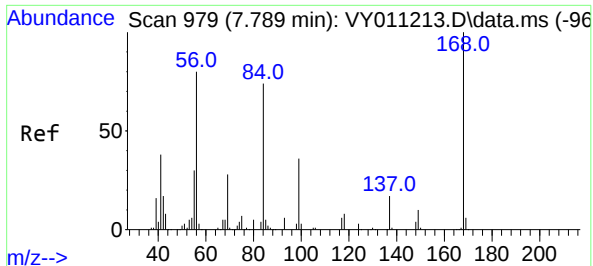
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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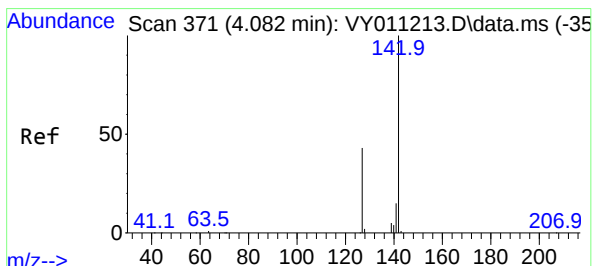
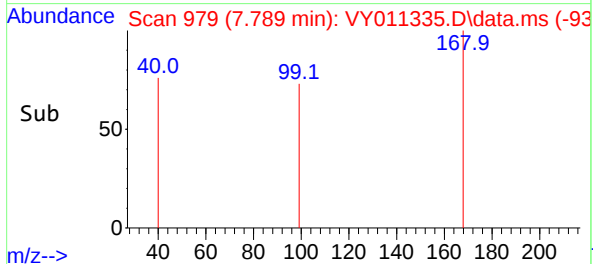
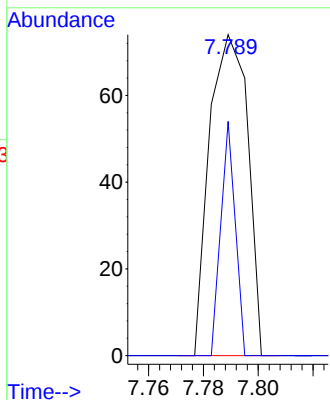
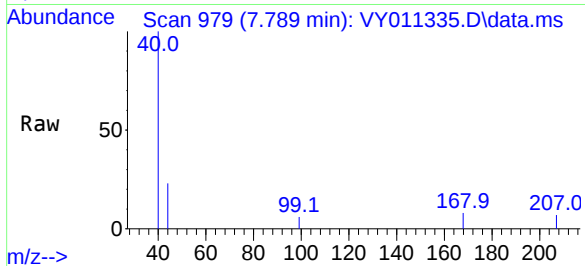




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

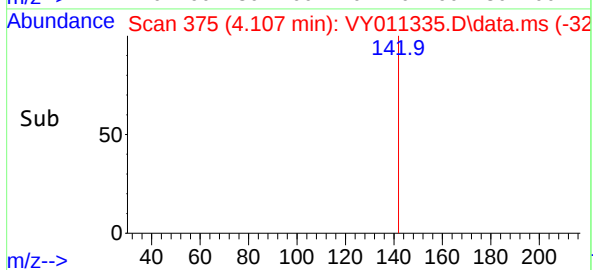
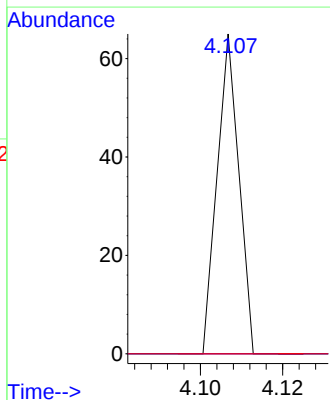
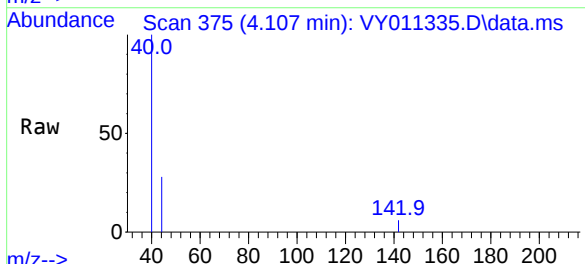
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-31B

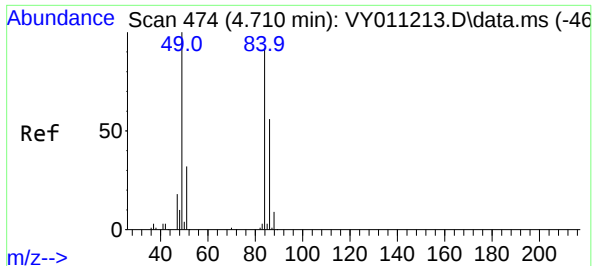
Tgt Ion:168 Resp: 72  
Ion Ratio Lower Upper  
168 100  
99 73.0 46.9 70.3#



#10  
Methyl Iodide  
Concen: 23.537 ug/l  
RT: 4.107 min Scan# 375  
Delta R.T. 0.019 min  
Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

Tgt Ion:142 Resp: 24  
Ion Ratio Lower Upper  
142 100  
127 0.0 41.5 62.3#  
141 0.0 11.9 17.9#

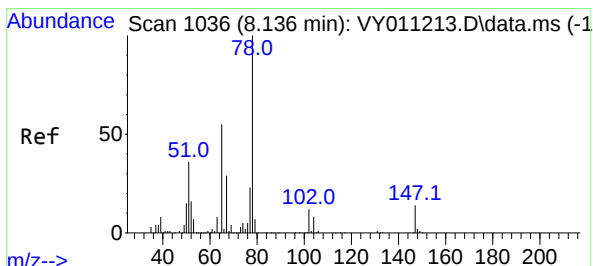
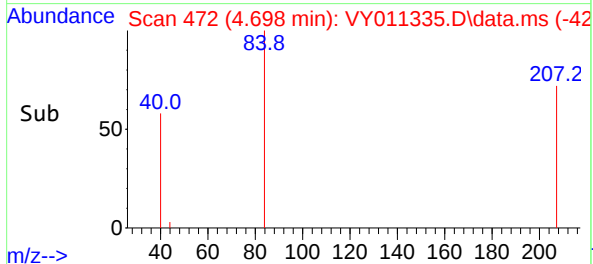
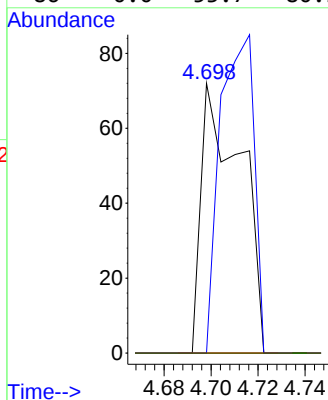
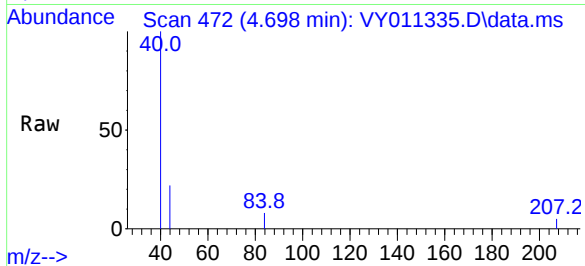




#20  
Methylene Chloride  
Concen: 92.653 ug/l  
RT: 4.698 min Scan# 41  
Delta R.T. -0.012 min  
Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

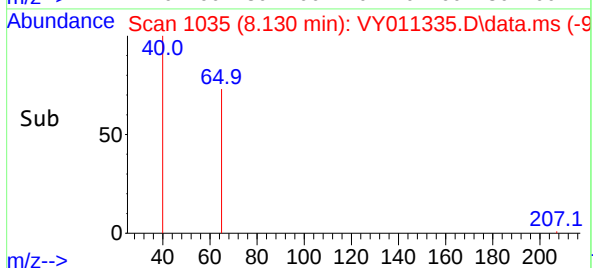
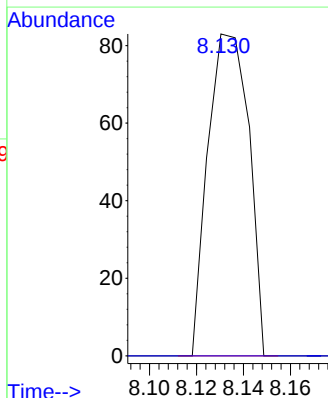
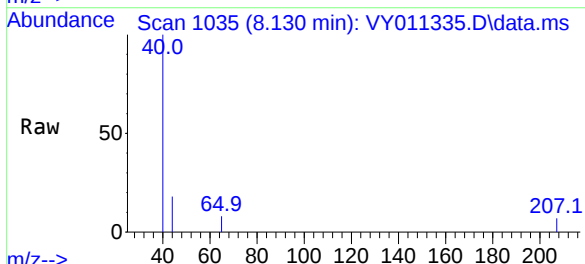
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-31B

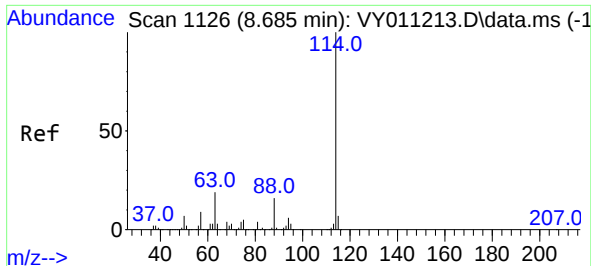
Tgt Ion: 84 Resp: 84  
Ion Ratio Lower Upper  
84 100  
49 0.0 114.4 171.6#  
51 0.0 35.3 52.9#  
86 0.0 53.7 80.5#



#33  
1,2-Dichloroethane-d4  
Concen: 131.162 ug/l  
RT: 8.130 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

Tgt Ion: 65 Resp: 101  
Ion Ratio Lower Upper  
65 100  
67 0.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY011335.D

Acq: 07 Nov 2022 15:17

Instrument :

MSVOA\_Y

ClientSampleId :

SB-31B

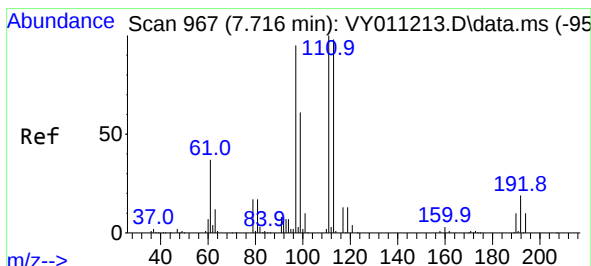
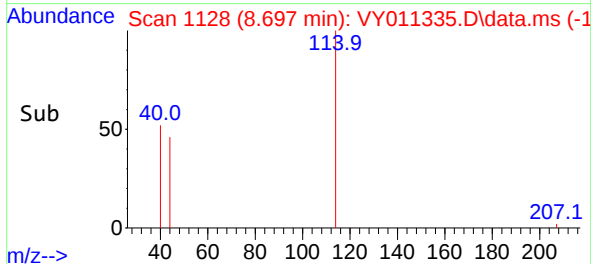
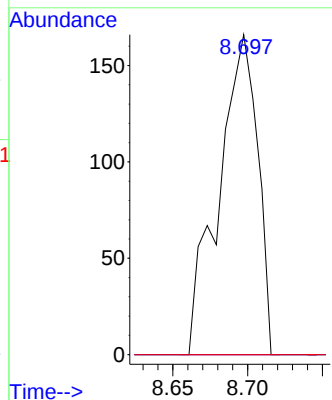
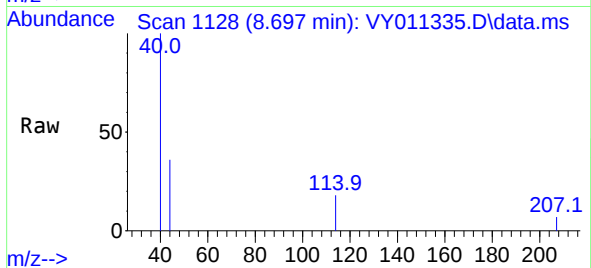
Tgt Ion:114 Resp: 301

Ion Ratio Lower Upper

114 100

63 0.0 0.0 43.2

88 0.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 21.201 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY011335.D

Acq: 07 Nov 2022 15:17

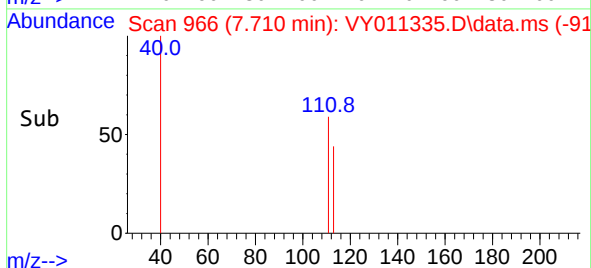
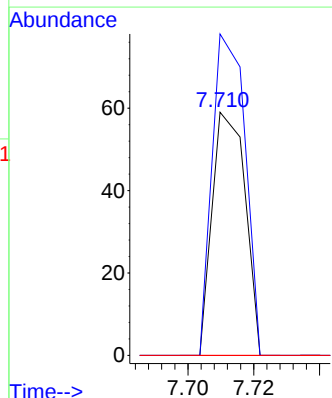
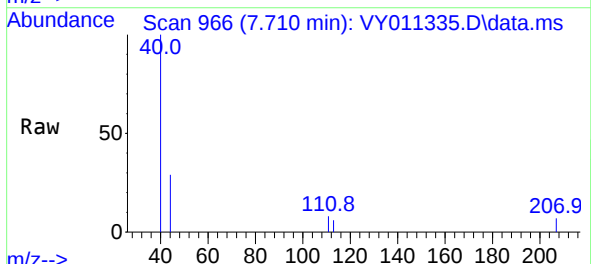
Tgt Ion:113 Resp: 41

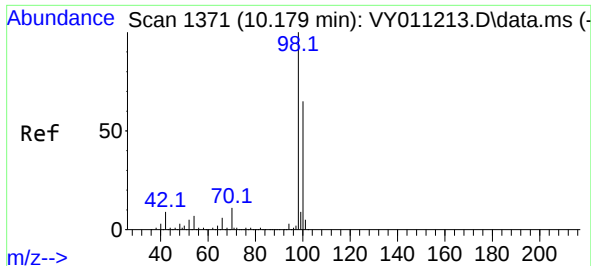
Ion Ratio Lower Upper

113 100

111 131.7 82.6 124.0#

192 0.0 17.6 26.4#

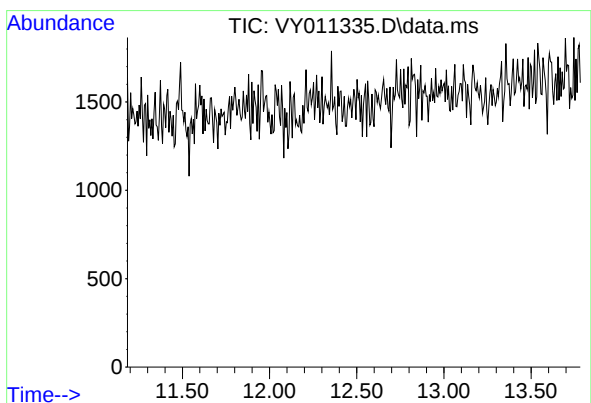
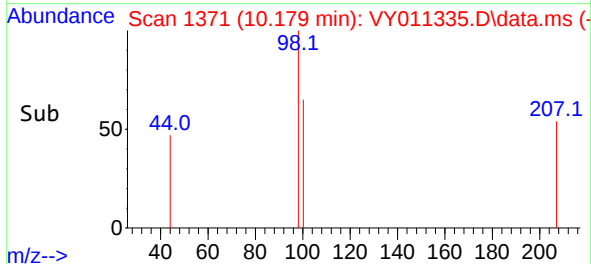
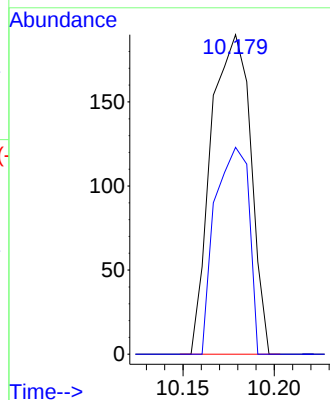
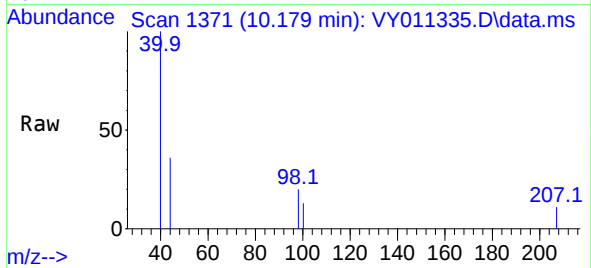




#50  
Toluene-d8  
Concen: 38.223 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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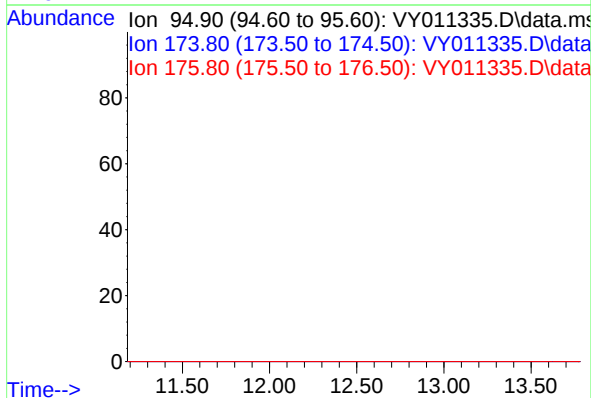
Tgt Ion: 98 Resp: 287  
Ion Ratio Lower Upper  
98 100  
100 55.4 50.2 75.2

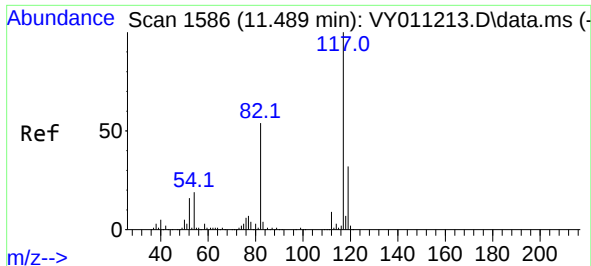


#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 12.48 min

Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 88.5  
176 87.9

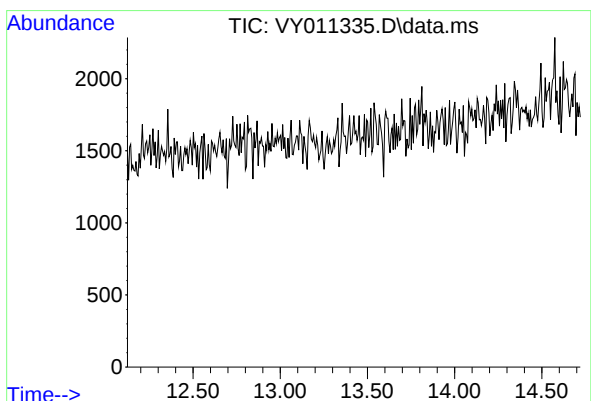
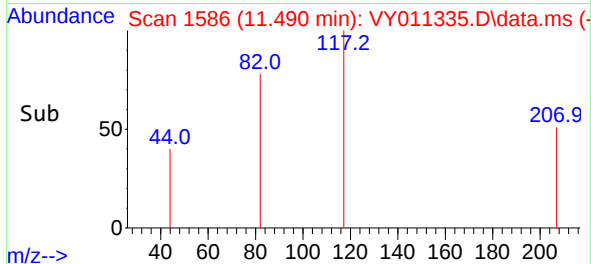
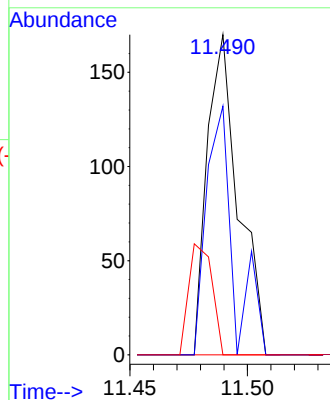
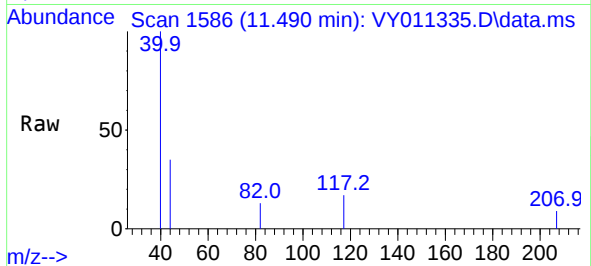




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-31B

Tgt Ion:117 Resp: 157  
Ion Ratio Lower Upper  
117 100  
82 77.6 43.0 64.4#  
119 0.0 25.4 38.0#



#72  
1,4-Dichlorobenzene-d4  
Concen: 0.000 ug/l  
Expected RT: 13.42 min

Lab File: VY011335.D  
Acq: 07 Nov 2022 15:17

Tgt Ion: 152  
Sig Exp Ratio  
152 100  
115 56.5  
150 173.8

