

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101724\  
 Data File : VY019937.D  
 Acq On : 17 Oct 2024 17:11  
 Operator : SY/MD  
 Sample : P4419-03  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 IB-1-VOC

Quant Time: Oct 18 01:44:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 05:44:48 2024  
 Response via : Initial Calibration

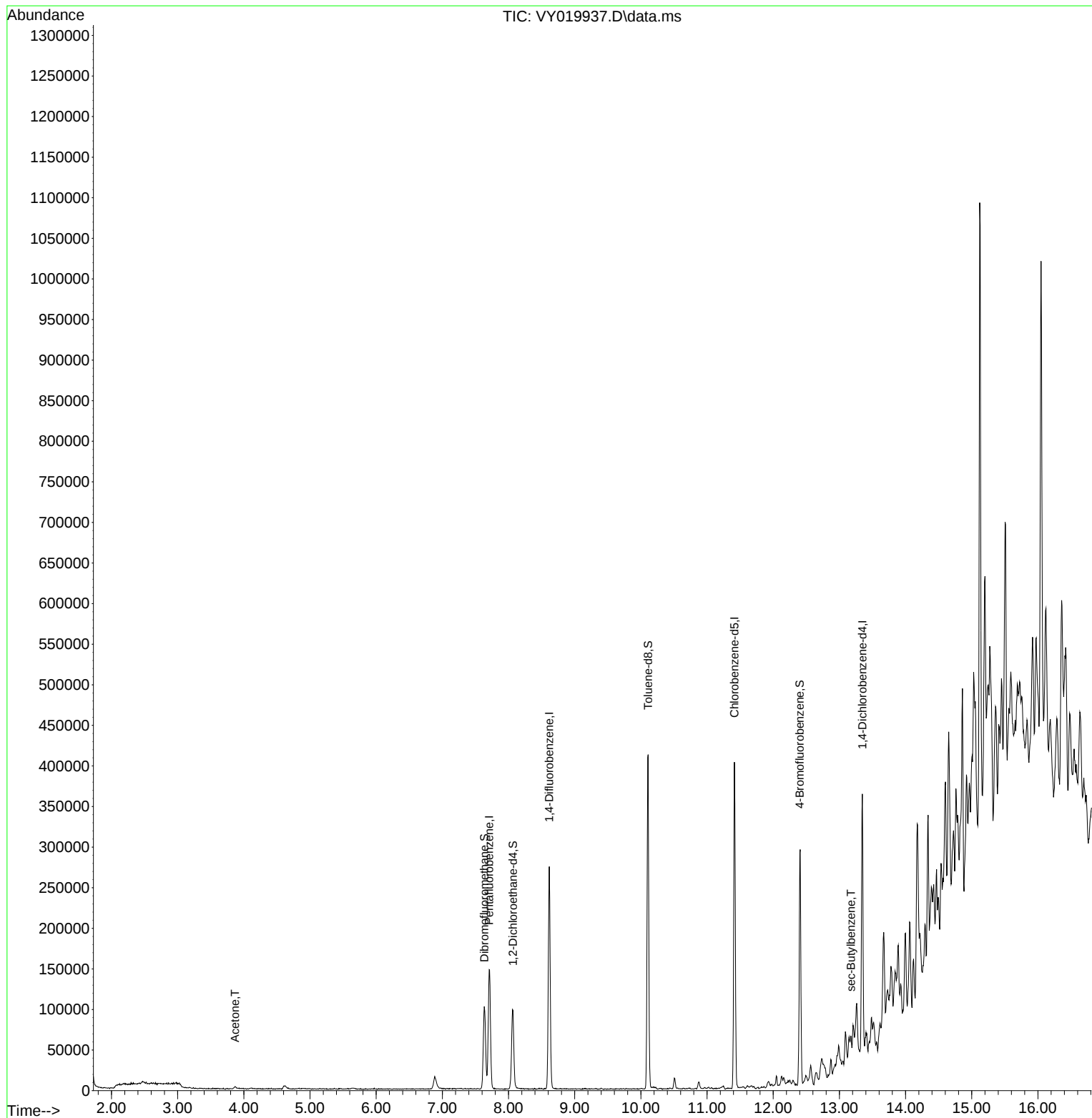
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 103782   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 212433   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 194040   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 75290    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 77790    | 60.875   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 121.760% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 72824    | 51.949   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 103.900% |
| 50) Toluene-d8              | 10.109 | 98    | 257822   | 49.804   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 99.600%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 82786    | 44.258   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 88.520%  |
| Target Compounds            |        |       |          |          |       |          |
|                             |        |       |          |          |       | Qvalue   |
| 16) Acetone                 | 3.866  | 43    | 4489     | 13.495   | ug/l  | # 78     |
| 85) sec-Butylbenzene        | 13.176 | 105   | 11335    | 1.656    | ug/l  | 81       |
| -----                       |        |       |          |          |       |          |

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

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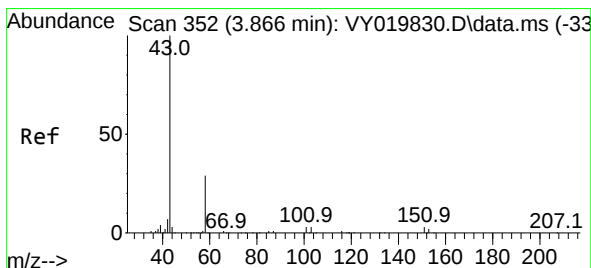
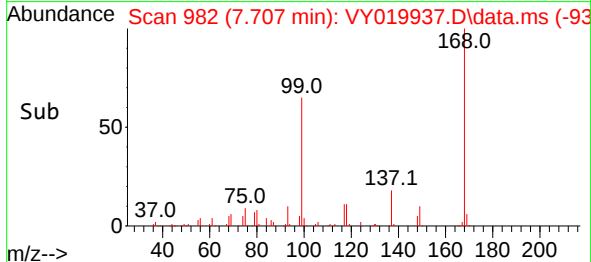
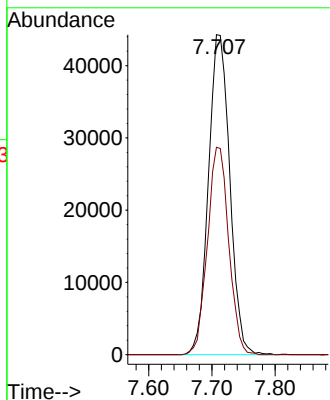
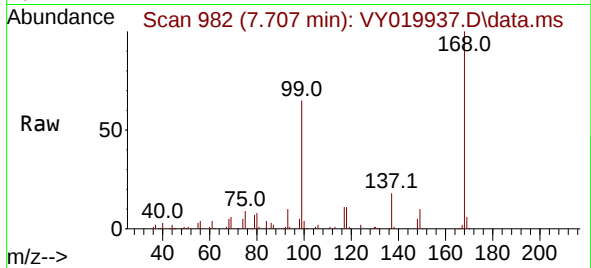




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

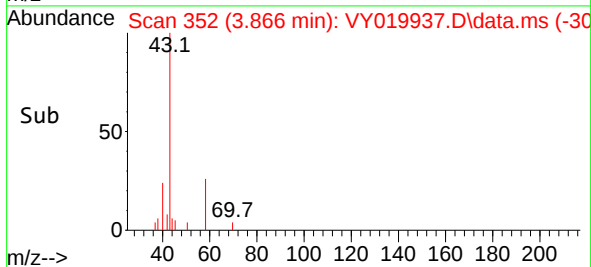
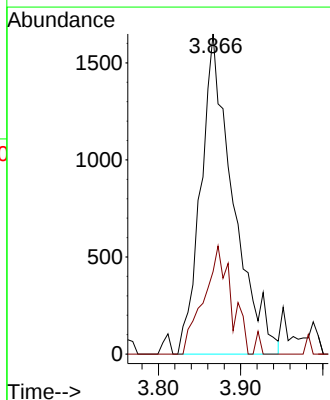
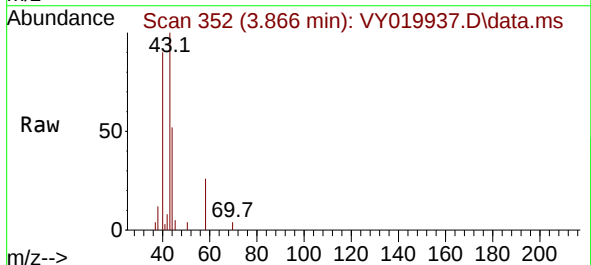
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-1-VOC

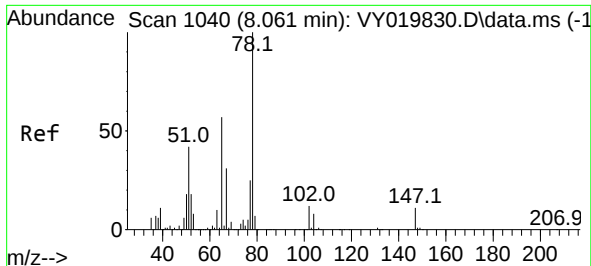
Tgt Ion:168 Resp: 103782  
Ion Ratio Lower Upper  
168 100  
99 64.8 39.1 58.7#



#16  
Acetone  
Concen: 13.495 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.006 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

Tgt Ion: 43 Resp: 4489  
Ion Ratio Lower Upper  
43 100  
58 25.8 31.7 47.5#





#33

1,2-Dichloroethane-d4

Concen: 60.875 ug/l

RT: 8.067 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Instrument :

MSVOA\_Y

ClientSampleId :

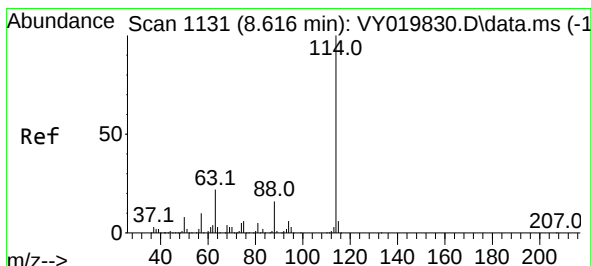
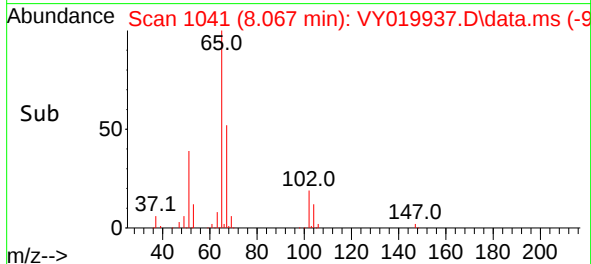
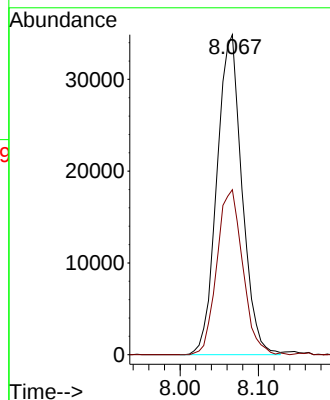
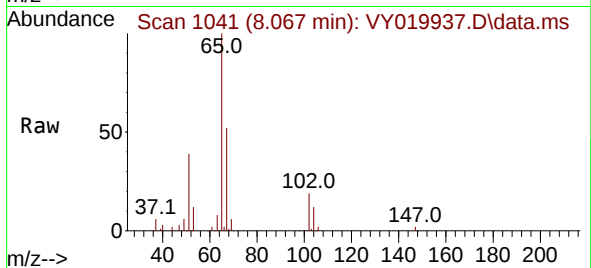
IB-1-VOC

Tgt Ion: 65 Resp: 77790

Ion Ratio Lower Upper

65 100

67 53.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

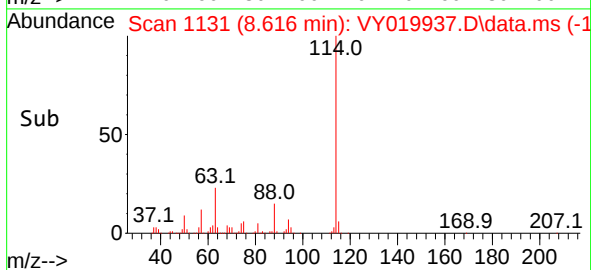
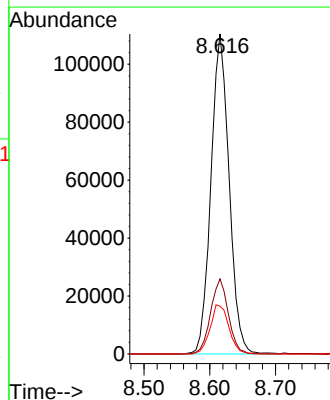
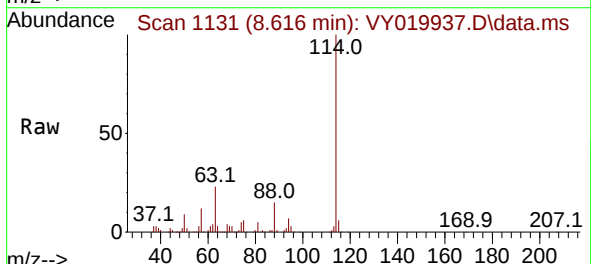
Tgt Ion: 114 Resp: 212433

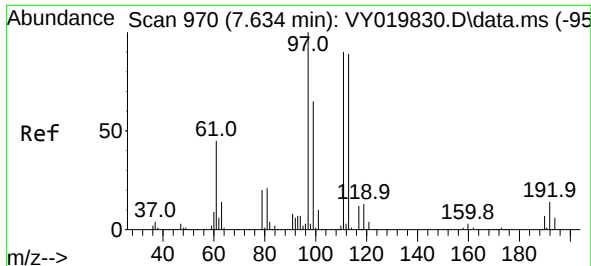
Ion Ratio Lower Upper

114 100

63 23.4 0.0 35.0

88 14.9 0.0 27.2

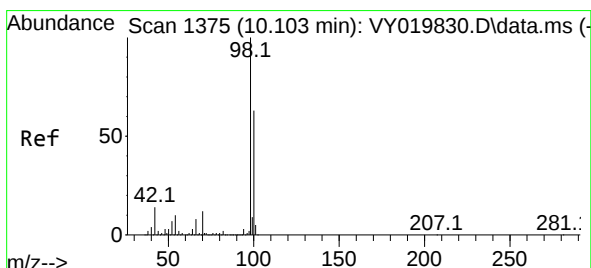
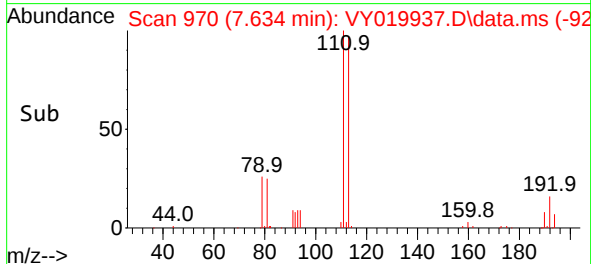
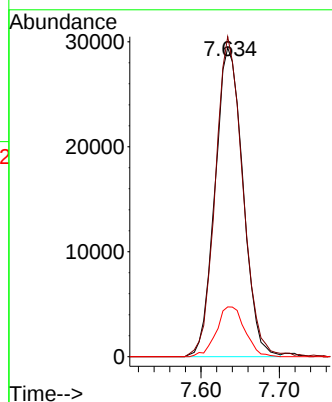
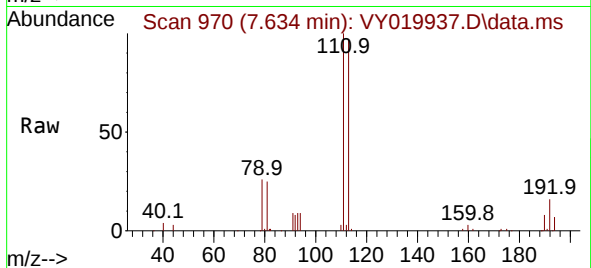




#35  
Dibromofluoromethane  
Concen: 51.949 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

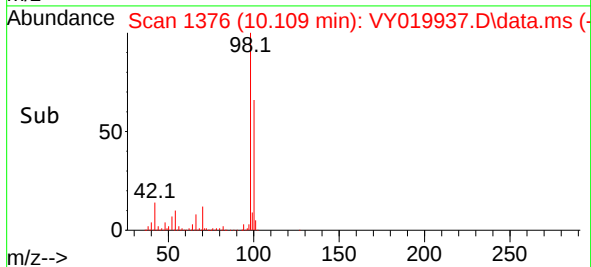
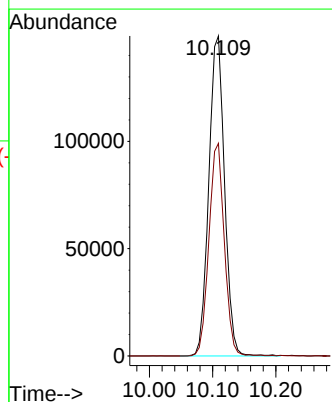
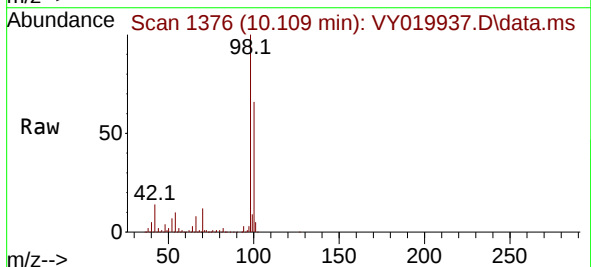
Instrument :  
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IB-1-VOC

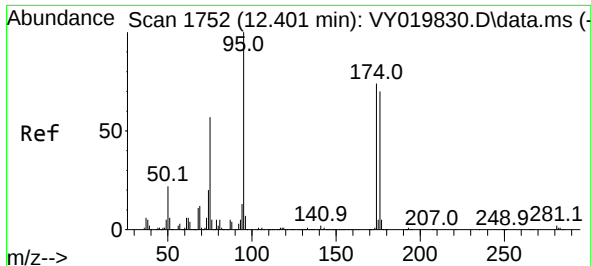
Tgt Ion:113 Resp: 72824  
Ion Ratio Lower Upper  
113 100  
111 101.7 82.2 123.4  
192 16.4 15.9 23.9



#50  
Toluene-d8  
Concen: 49.804 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

Tgt Ion: 98 Resp: 257822  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.0 78.0

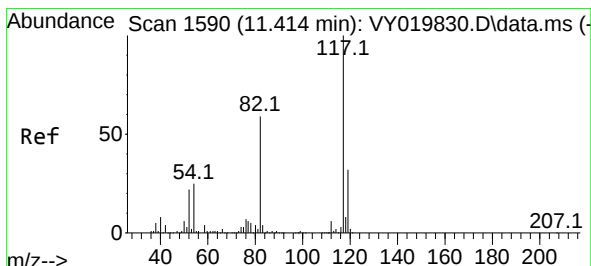
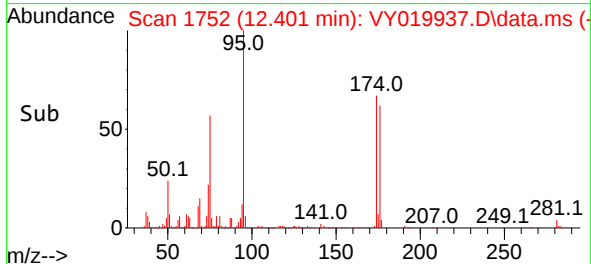
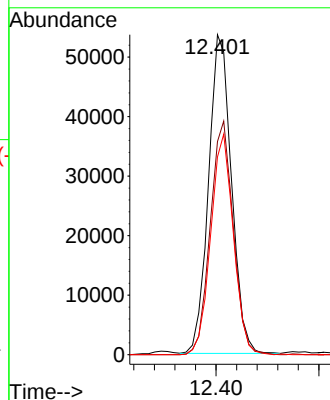
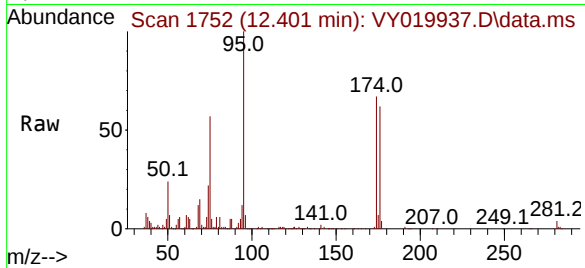




#62  
4-Bromofluorobenzene  
Concen: 44.258 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

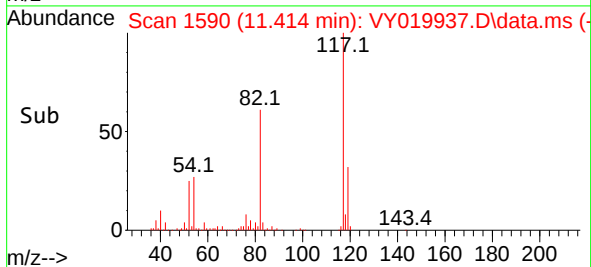
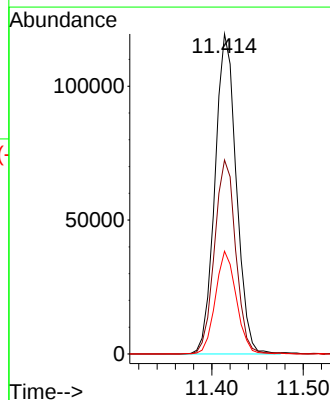
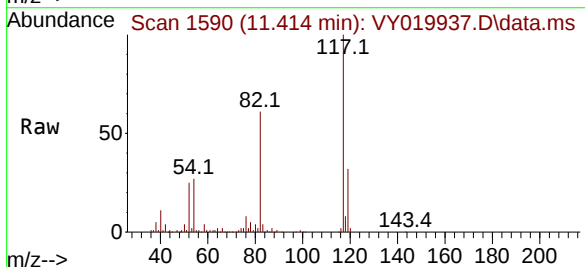
Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-1-VOC

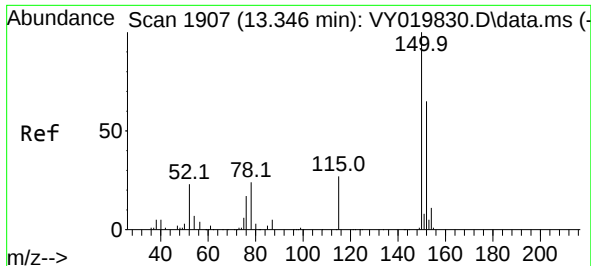
Tgt Ion: 95 Resp: 82786  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 175.6  
176 68.4 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.006 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

Tgt Ion: 117 Resp: 194040  
Ion Ratio Lower Upper  
117 100  
82 60.6 42.4 63.6  
119 32.1 25.9 38.9

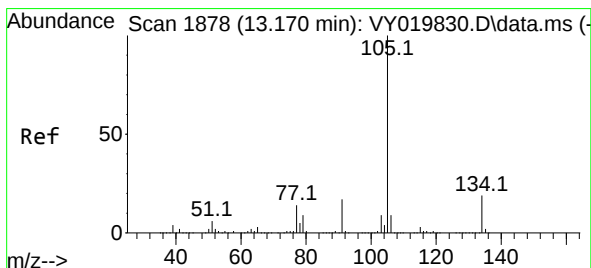
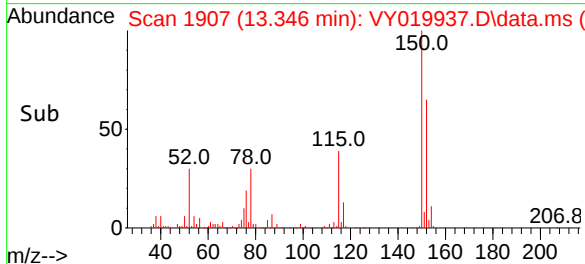
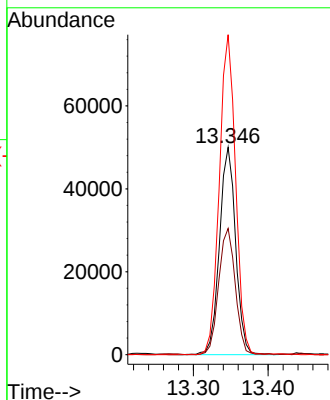
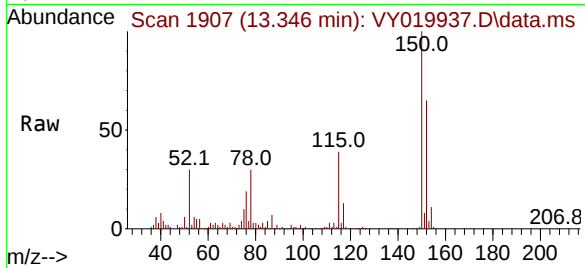




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

Instrument :  
MSVOA\_Y  
ClientSampleId :  
IB-1-VOC

Tgt Ion:152 Resp: 75290  
Ion Ratio Lower Upper  
152 100  
115 62.4 28.2 84.7  
150 154.6 0.0 345.6



#85  
sec-Butylbenzene  
Concen: 1.656 ug/l  
RT: 13.176 min Scan# 1879  
Delta R.T. 0.000 min  
Lab File: VY019937.D  
Acq: 17 Oct 2024 17:11

Tgt Ion:105 Resp: 11335  
Ion Ratio Lower Upper  
105 100  
134 28.8 10.1 30.1

