

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082224\  
 Data File : VY019217.D  
 Acq On : 22 Aug 2024 13:55  
 Operator : SY/MD  
 Sample : P3689-04  
 Misc : 4.25g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-1 VOC

Quant Time: Aug 23 01:52:25 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081524S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 05:10:30 2024  
 Response via : Initial Calibration

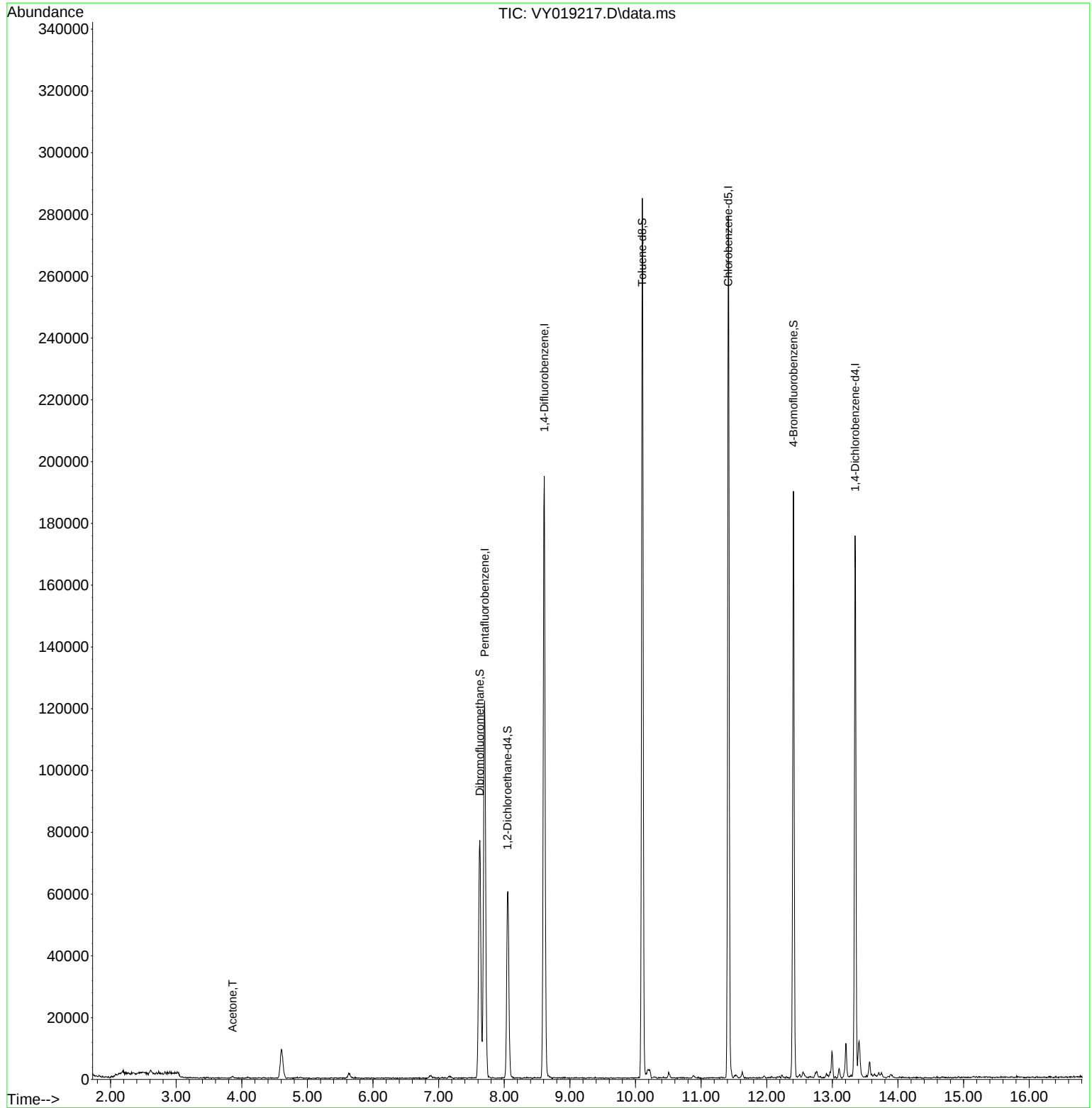
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|-------|-----------|
| -----                       |        |       |          |          |       |           |
| Internal Standards          |        |       |          |          |       |           |
| 1) Pentafluorobenzene       | 7.701  | 168   | 96532    | 50.000   | ug/l  | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.609  | 114   | 170559   | 50.000   | ug/l  | 0.00      |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 153714   | 50.000   | ug/l  | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 45940    | 50.000   | ug/l  | 0.00      |
| System Monitoring Compounds |        |       |          |          |       |           |
| 33) 1,2-Dichloroethane-d4   | 8.048  | 65    | 49760    | 51.423   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 102.840%  |
| 35) Dibromofluoromethane    | 7.628  | 113   | 55375    | 49.654   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 99.300%   |
| 50) Toluene-d8              | 10.103 | 98    | 181313   | 45.178   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 90.360%   |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 56142    | 41.036   | ug/l  | 0.00      |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =     | 82.080%   |
| Target Compounds            |        |       |          |          |       |           |
| 16) Acetone                 | 3.860  | 43    | 823      | 4.586    | ug/l  | Qvalue 99 |
| -----                       |        |       |          |          |       |           |

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

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WC-1 VOC

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Quant Title : SW846 8260  
QLast Update : Fri Aug 16 05:10:30 2024  
Response via : Initial Calibration

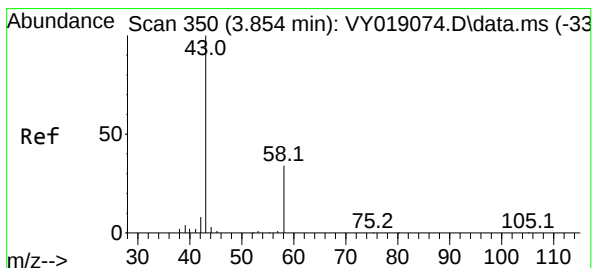
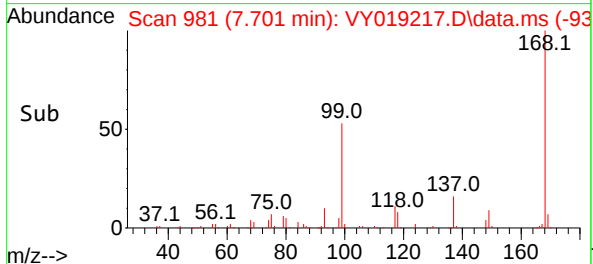
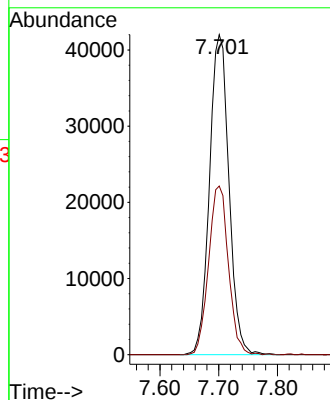
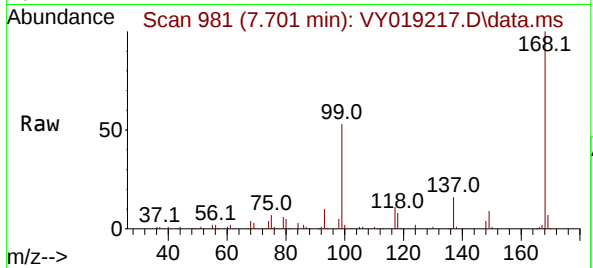




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019217.D  
Acq: 22 Aug 2024 13:55

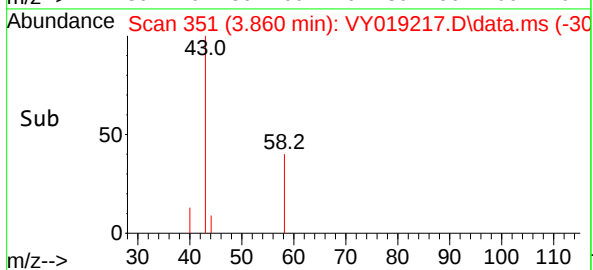
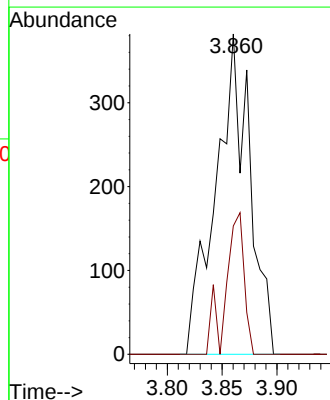
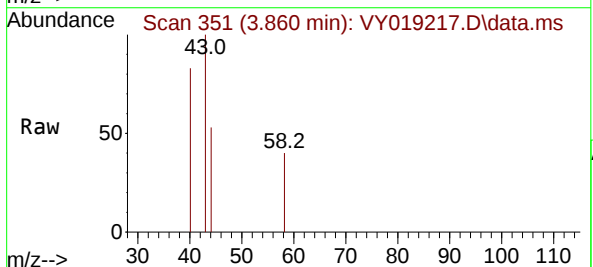
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1 VOC

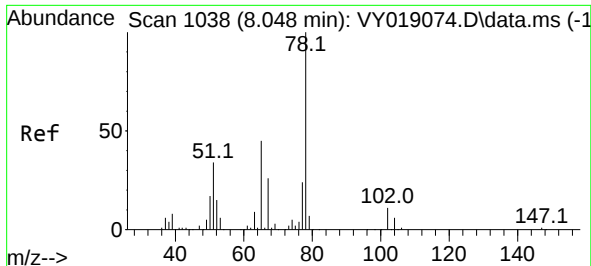
Tgt Ion:168 Resp: 96532  
Ion Ratio Lower Upper  
168 100  
99 52.7 39.1 58.7



#16  
Acetone  
Concen: 4.586 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY019217.D  
Acq: 22 Aug 2024 13:55

Tgt Ion: 43 Resp: 823  
Ion Ratio Lower Upper  
43 100  
58 40.1 31.7 47.5





#33

1,2-Dichloroethane-d4

Concen: 51.423 ug/l

RT: 8.048 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

Instrument :

MSVOA\_Y

ClientSampleId :

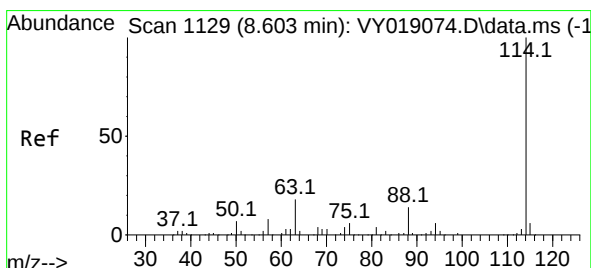
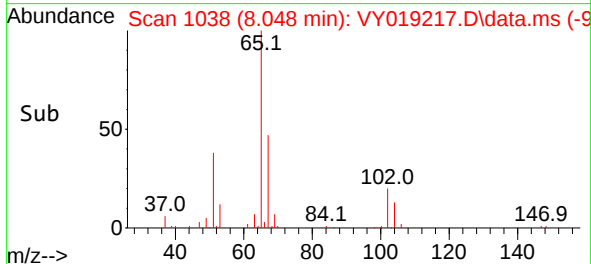
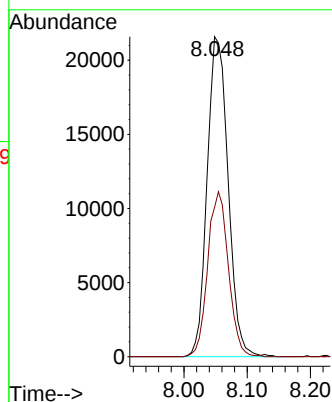
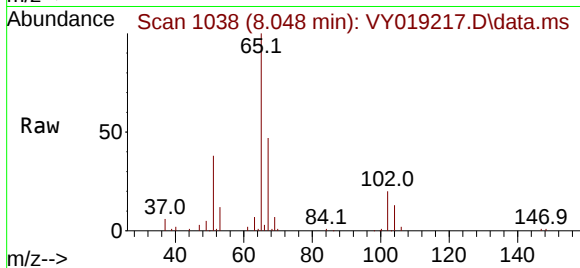
WC-1 VOC

Tgt Ion: 65 Resp: 49760

Ion Ratio Lower Upper

65 100

67 50.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019217.D

Acq: 22 Aug 2024 13:55

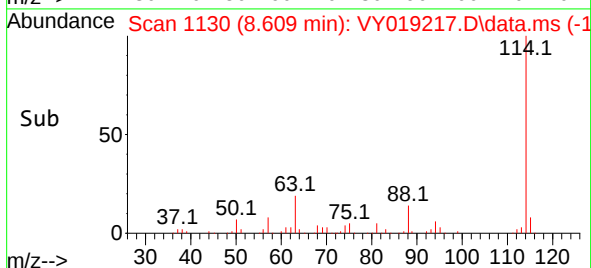
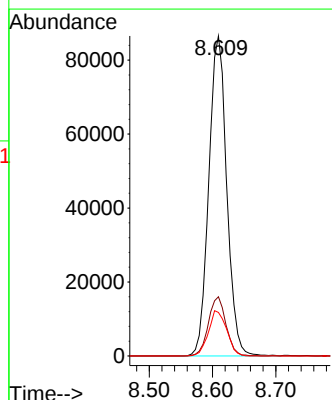
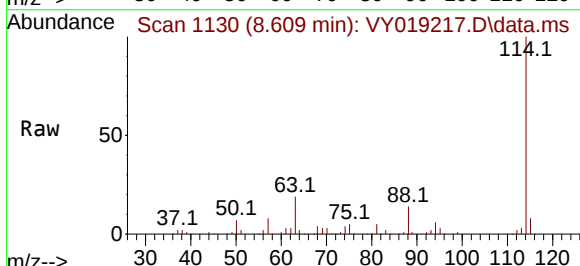
Tgt Ion: 114 Resp: 170559

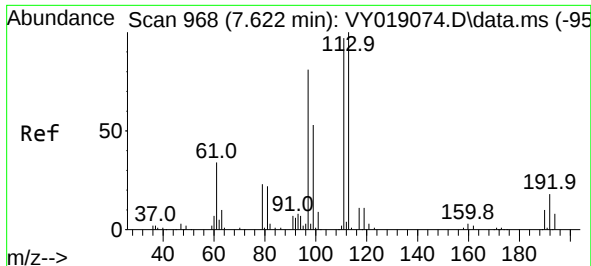
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

88 13.6 0.0 27.2

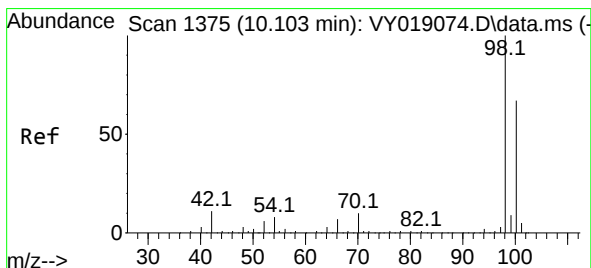
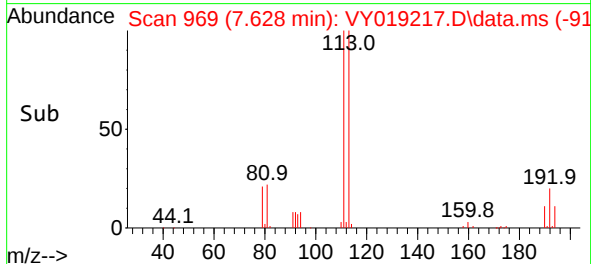
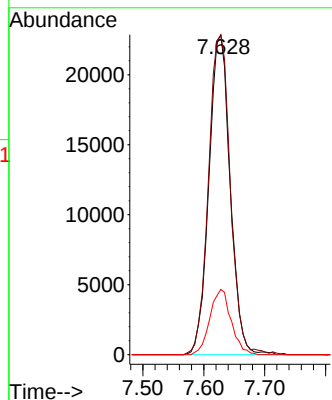
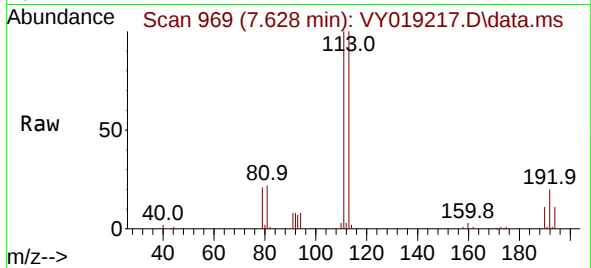




#35  
Dibromofluoromethane  
Concen: 49.654 ug/l  
RT: 7.628 min Scan# 968  
Delta R.T. 0.006 min  
Lab File: VY019217.D  
Acq: 22 Aug 2024 13:55

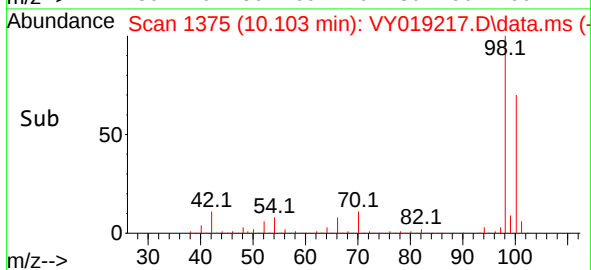
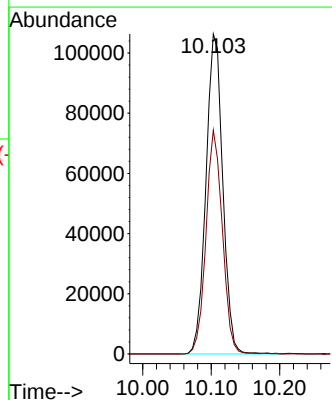
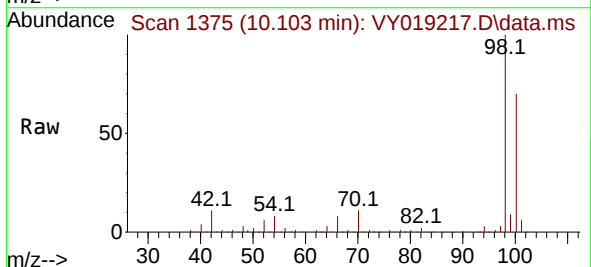
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1 VOC

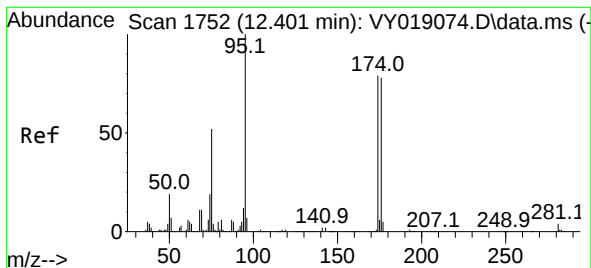
Tgt Ion:113 Resp: 55375  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 20.4 15.9 23.9



#50  
Toluene-d8  
Concen: 45.178 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY019217.D  
Acq: 22 Aug 2024 13:55

Tgt Ion: 98 Resp: 181313  
Ion Ratio Lower Upper  
98 100  
100 68.2 52.0 78.0

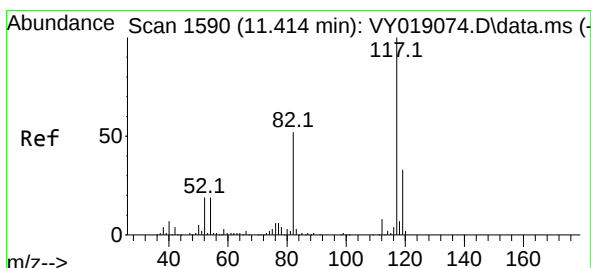
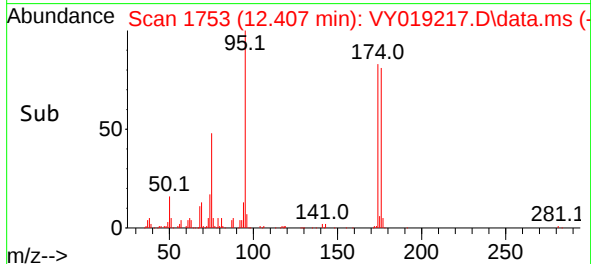
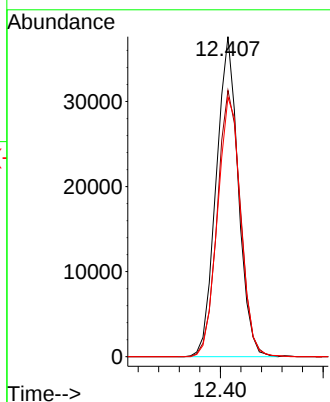
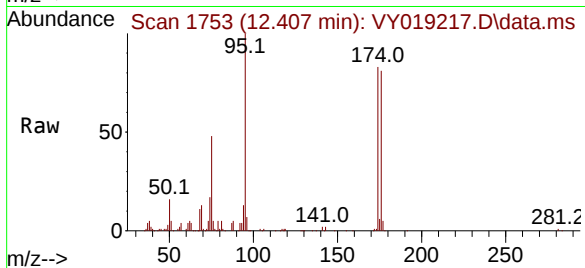




#62  
4-Bromofluorobenzene  
Concen: 41.036 ug/l  
RT: 12.407 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY019217.D  
Acq: 22 Aug 2024 13:55

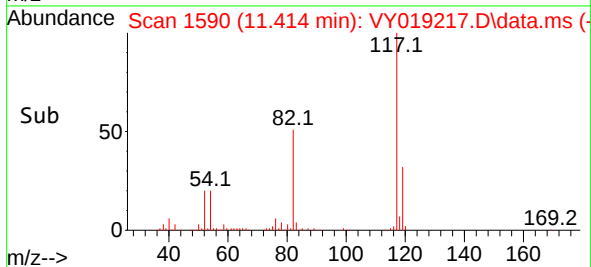
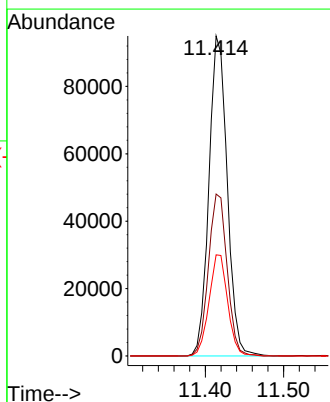
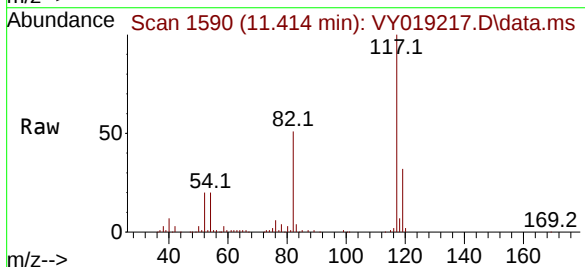
Instrument :  
MSVOA\_Y  
ClientSampleId :  
WC-1 VOC

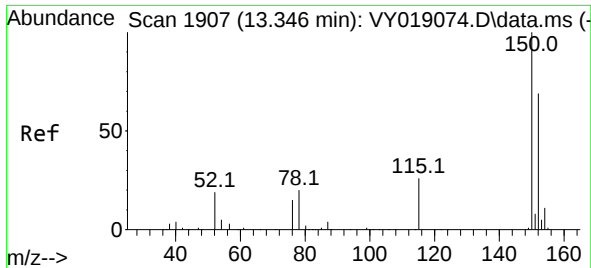
Tgt Ion: 95 Resp: 56142  
Ion Ratio Lower Upper  
95 100  
174 87.2 0.0 175.6  
176 85.1 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.000 min  
Lab File: VY019217.D  
Acq: 22 Aug 2024 13:55

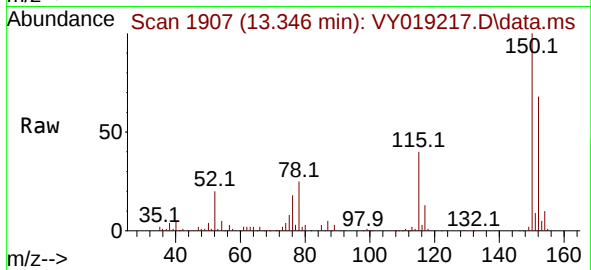
Tgt Ion: 117 Resp: 153714  
Ion Ratio Lower Upper  
117 100  
82 50.6 42.4 63.6  
119 31.6 25.9 38.9





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY019217.D  
 Acq: 22 Aug 2024 13:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 WC-1 VOC



Tgt Ion:152 Resp: 45940  
 Ion Ratio Lower Upper  
 152 100  
 115 56.8 28.2 84.7  
 150 151.0 0.0 345.6

