

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081624\  
 Data File : VY019085.D  
 Acq On : 16 Aug 2024 11:44  
 Operator : SY/MD  
 Sample : P3598-01  
 Misc : 5.04g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 JC-03-081324-A

Quant Time: Aug 17 00:41:18 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

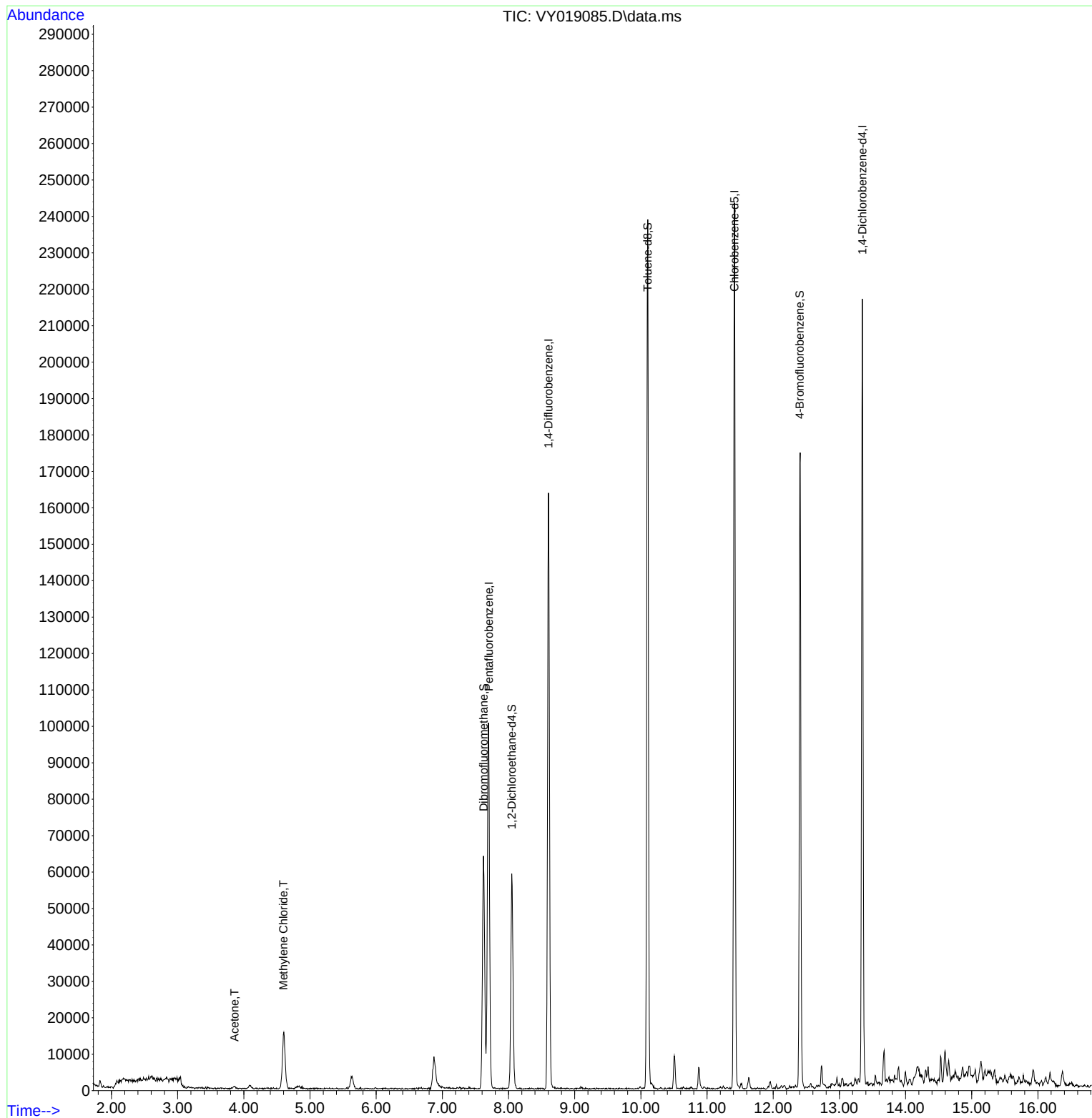
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.701  | 168   | 78210    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.603  | 114   | 138580   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 129808   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 53097    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.049  | 65    | 41778    | 53.289   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 106.580% |
| 35) Dibromofluoromethane    | 7.622  | 113   | 44870    | 49.519   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 99.040%  |
| 50) Toluene-d8              | 10.103 | 98    | 155701   | 47.749   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 95.500%  |
| 62) 4-Bromofluorobenzene    | 12.402 | 95    | 51416    | 46.254   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 29 - 146 | Recovery | =      | 92.500%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.860  | 43    | 1021     | 7.022    | ug/l # | 61       |
| 20) Methylene Chloride      | 4.598  | 84    | 10848    | 2.247    | ug/l # | 84       |
| -----                       |        |       |          |          |        |          |

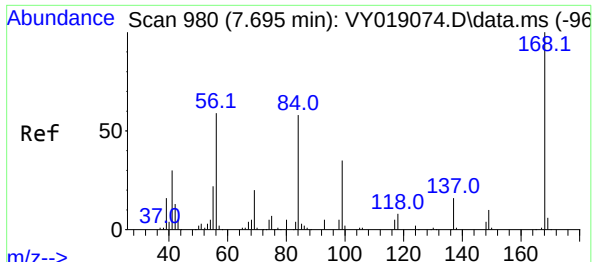
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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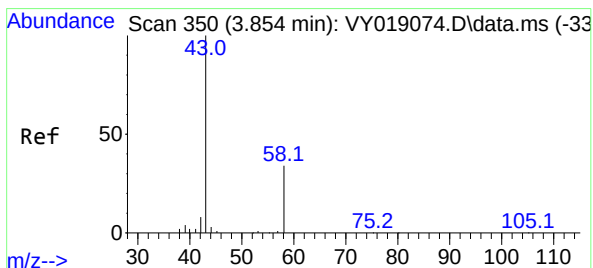
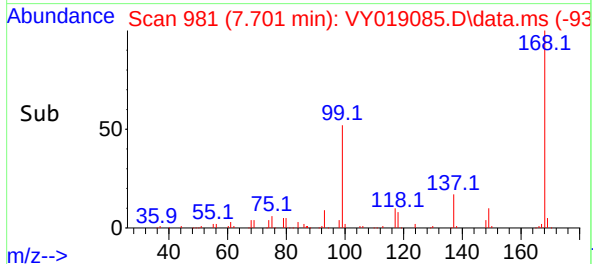
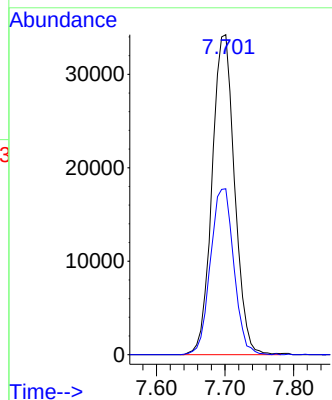
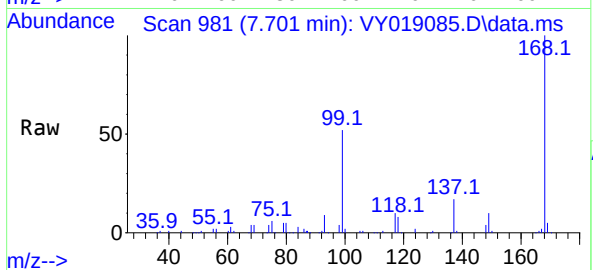




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

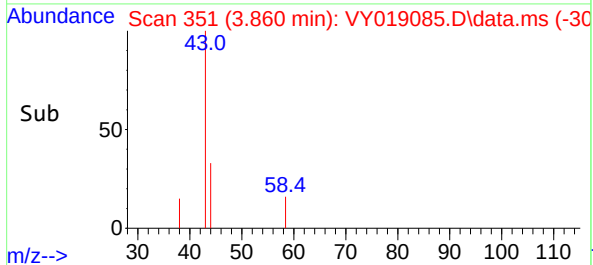
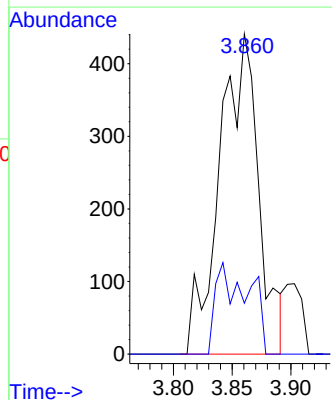
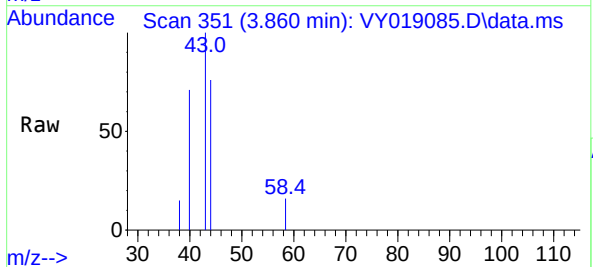
Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-03-081324-A

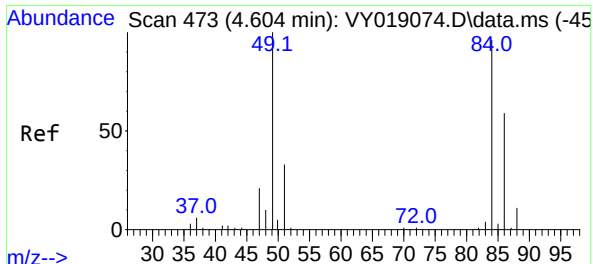
Tgt Ion:168 Resp: 78210  
Ion Ratio Lower Upper  
168 100  
99 51.9 39.1 58.7



#16  
Acetone  
Concen: 7.022 ug/l  
RT: 3.860 min Scan# 351  
Delta R.T. 0.006 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

Tgt Ion: 43 Resp: 1021  
Ion Ratio Lower Upper  
43 100  
58 15.9 31.7 47.5#



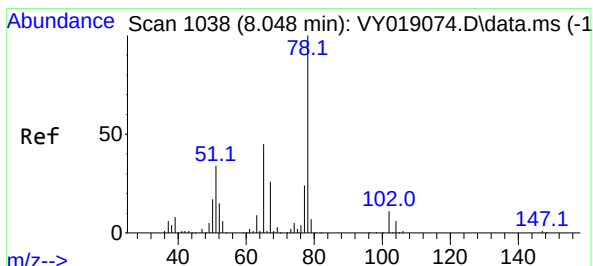
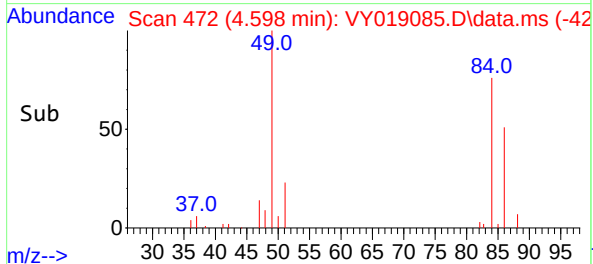
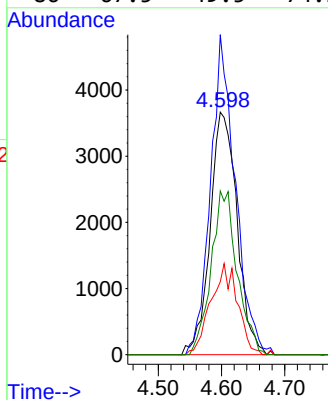
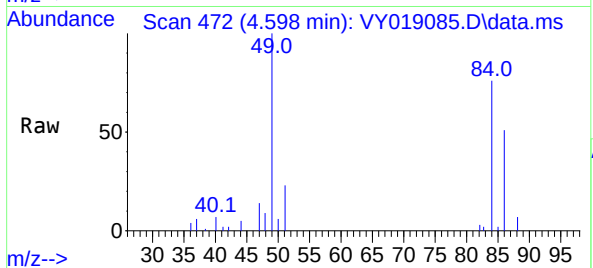


#20  
Methylene Chloride  
Concen: 2.247 ug/l  
RT: 4.598 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-03-081324-A

Tgt Ion: 84 Resp: 10848

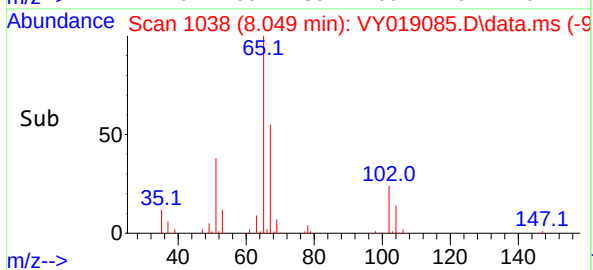
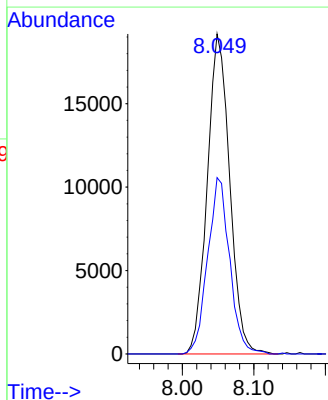
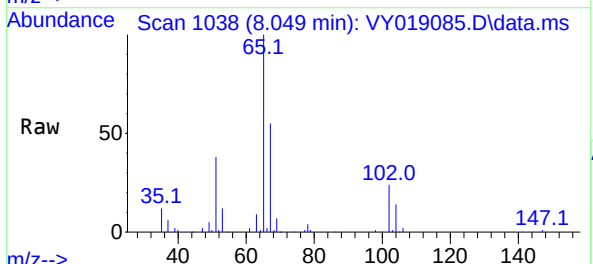
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 131.9 | 84.4  | 126.6# |
| 51  | 30.1  | 26.0  | 39.0   |
| 86  | 67.5  | 49.5  | 74.3   |

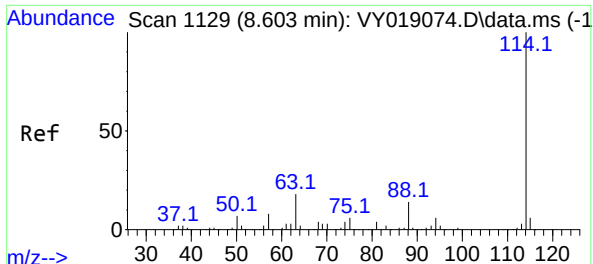


#33  
1,2-Dichloroethane-d4  
Concen: 53.289 ug/l  
RT: 8.049 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

Tgt Ion: 65 Resp: 41778

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.0  | 0.0   | 109.6 |

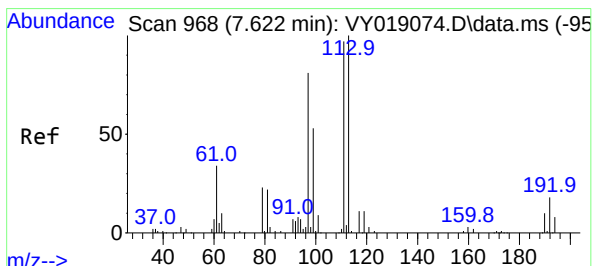
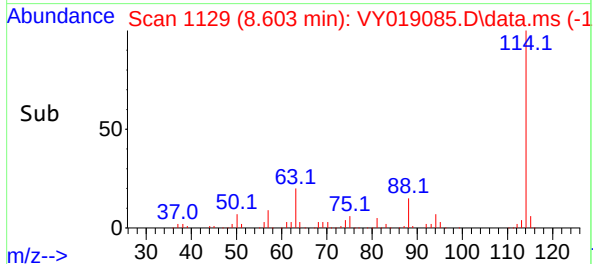
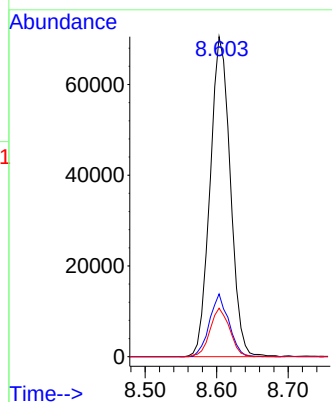
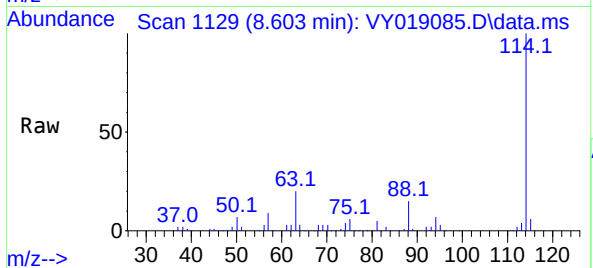




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.603 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

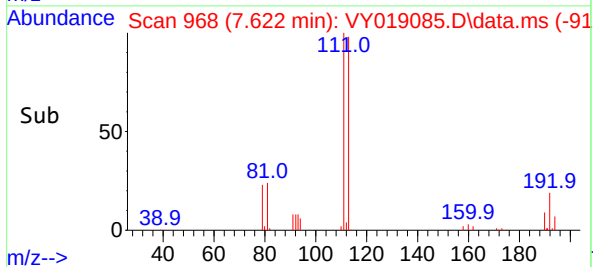
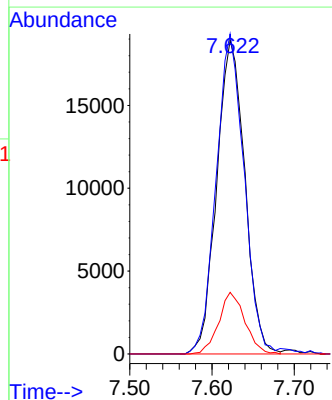
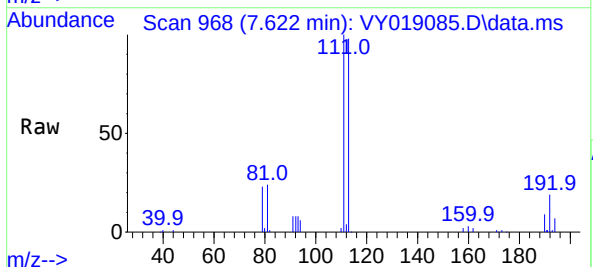
Instrument :  
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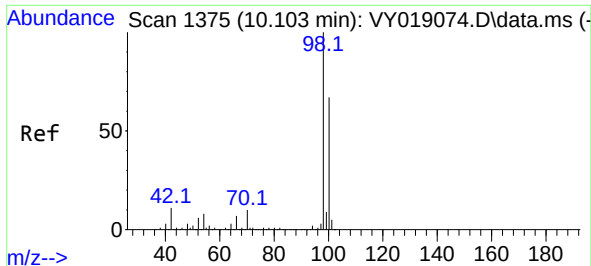
Tgt Ion:114 Resp: 138580  
Ion Ratio Lower Upper  
114 100  
63 19.6 0.0 35.0  
88 15.1 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 49.519 ug/l  
RT: 7.622 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

Tgt Ion:113 Resp: 44870  
Ion Ratio Lower Upper  
113 100  
111 102.2 82.2 123.4  
192 18.3 15.9 23.9

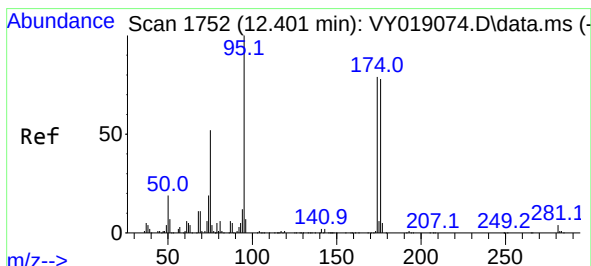
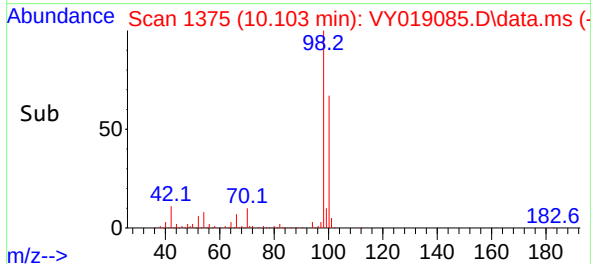
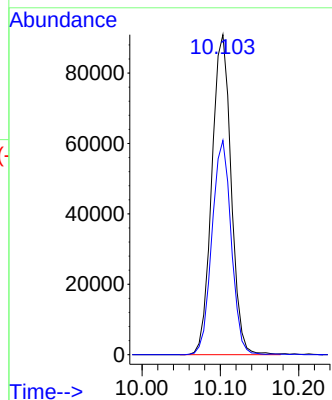
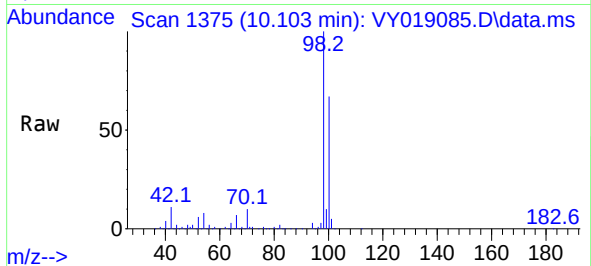




#50  
Toluene-d8  
Concen: 47.749 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

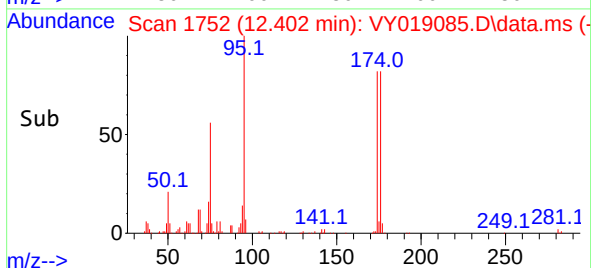
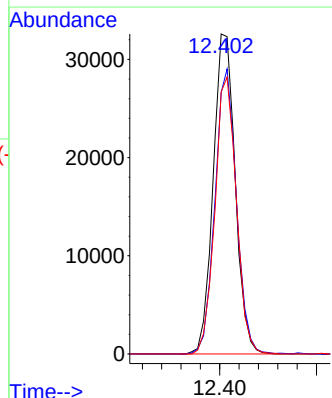
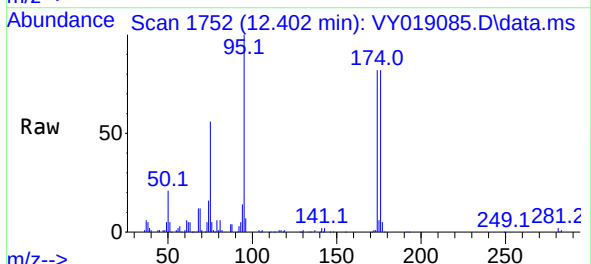
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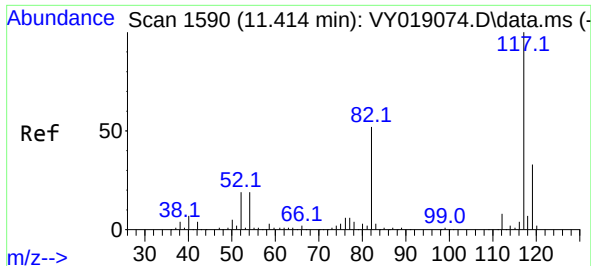
Tgt Ion: 98 Resp: 155701  
Ion Ratio Lower Upper  
98 100  
100 66.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 46.254 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. 0.000 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

Tgt Ion: 95 Resp: 51416  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 175.6  
176 84.2 0.0 171.4

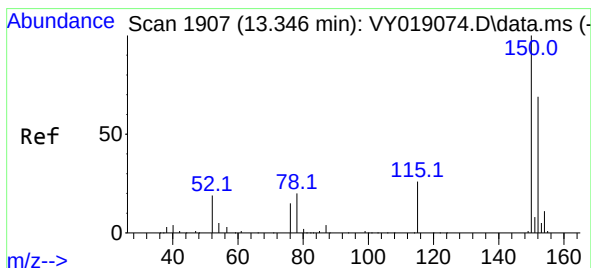
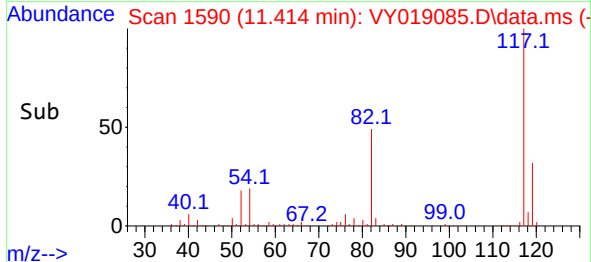
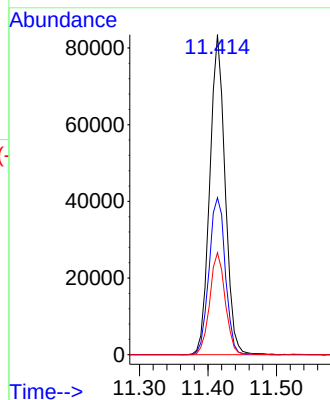
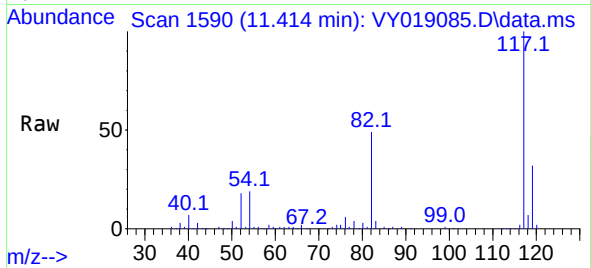




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY019085.D  
Acq: 16 Aug 2024 11:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
JC-03-081324-A

Tgt Ion:117 Resp: 129808  
Ion Ratio Lower Upper  
117 100  
82 49.1 42.4 63.6  
119 31.9 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: VY019085.D  
Acq: 16 Aug 2024 11:44

Tgt Ion:152 Resp: 53097  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.2 84.7  
150 155.2 0.0 345.6

