

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041824\  
 Data File : VY017977.D  
 Acq On : 18 Apr 2024 15:38  
 Operator : SY/MD  
 Sample : P2147-12  
 Misc : 4.64g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 GRAB-8

Quant Time: Apr 19 02:02:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041624S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 17 06:24:42 2024  
 Response via : Initial Calibration

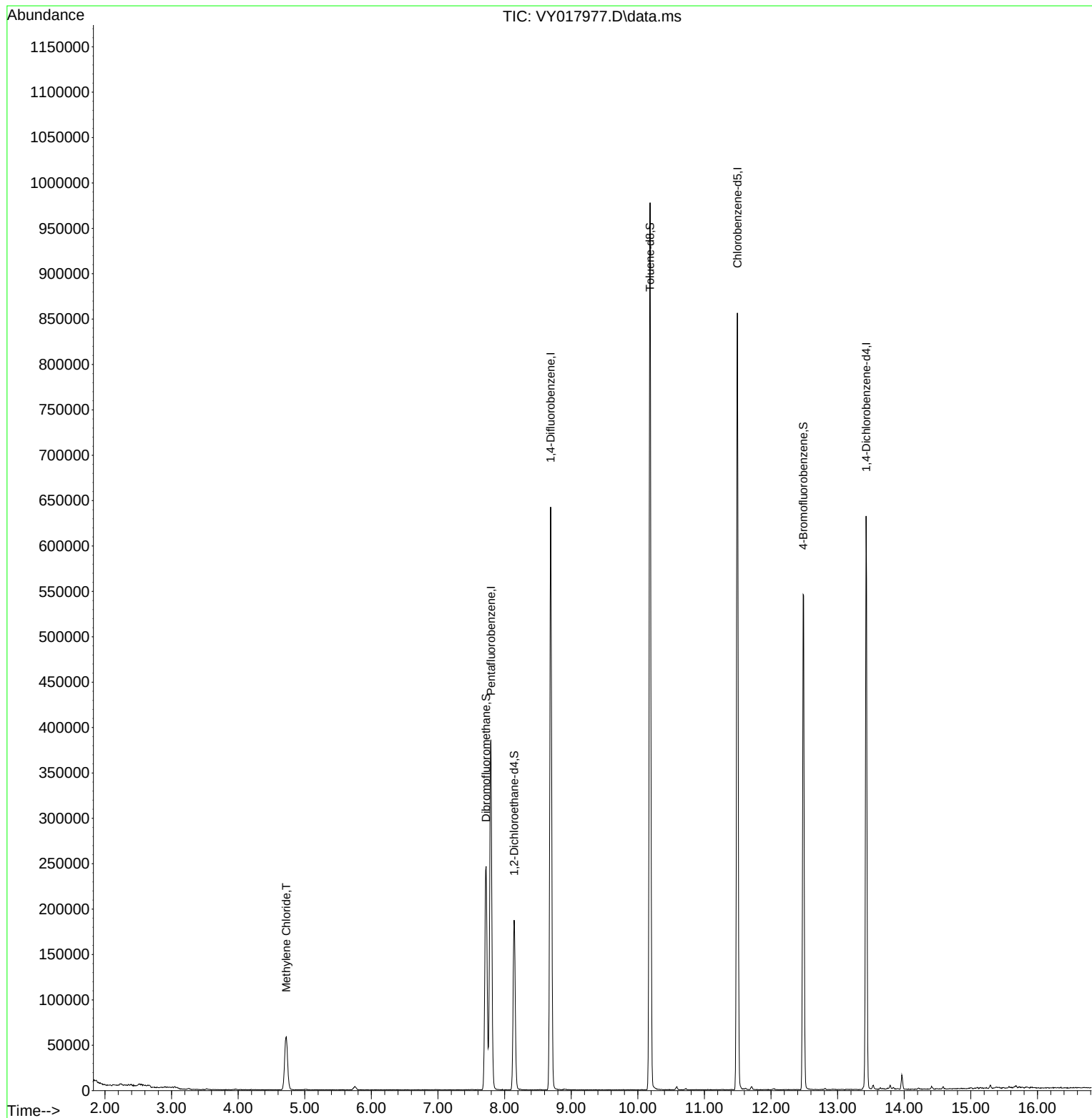
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 329374   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 582859   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.495 | 117   | 506641   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 175093   | 50.000   | ug/l       | 0.00     |
|                             |        |       |          |          |            |          |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 143757   | 50.436   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 100.880% |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 184893   | 51.418   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.840% |          |
| 50) Toluene-d8              | 10.185 | 98    | 668456   | 48.991   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 97.980%  |          |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 169386   | 40.084   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 80.160%  |          |
|                             |        |       |          |          |            |          |
| Target Compounds            |        |       |          |          |            | Qvalue   |
| 20) Methylene Chloride      | 4.722  | 84    | 50460    | 13.225   | ug/l       | 97       |
| -----                       |        |       |          |          |            |          |

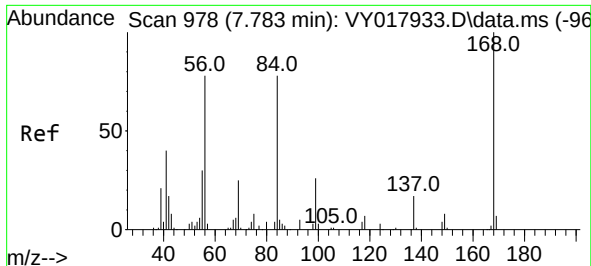
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

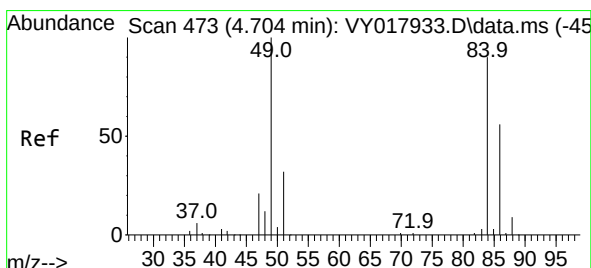
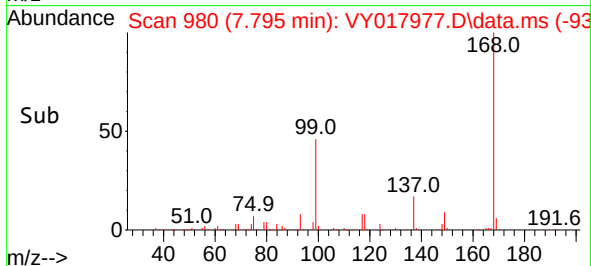
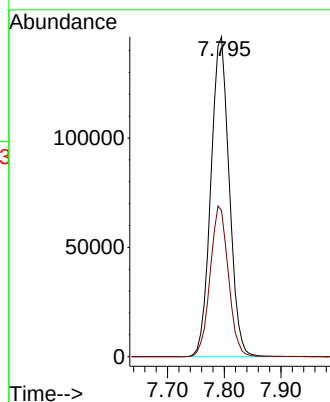
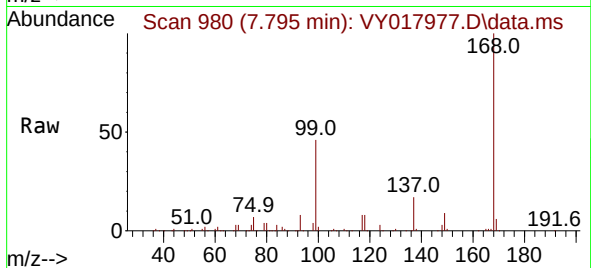




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

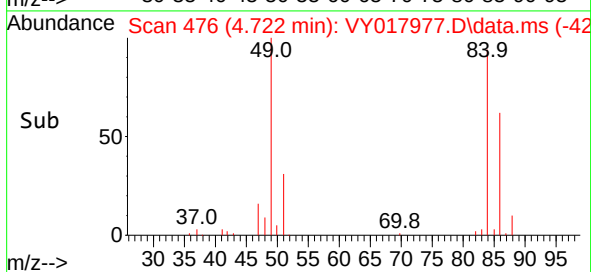
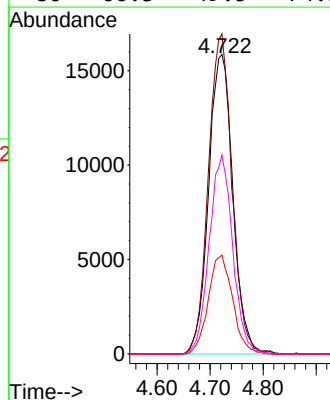
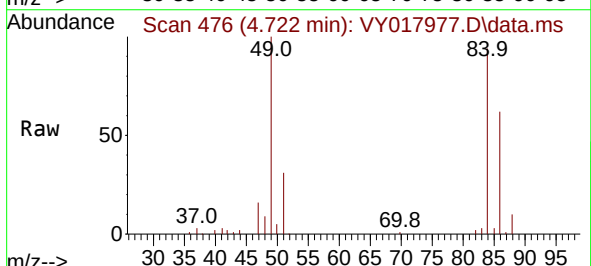
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-8

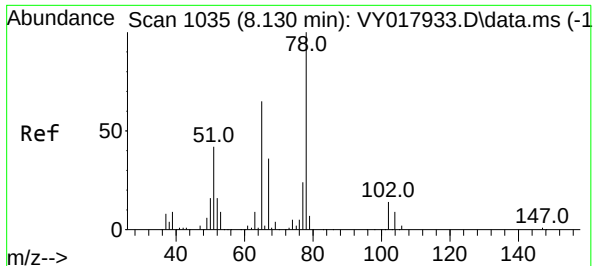
Tgt Ion:168 Resp: 329374  
Ion Ratio Lower Upper  
168 100  
99 45.8 39.1 58.7



#20  
Methylene Chloride  
Concen: 13.225 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

Tgt Ion: 84 Resp: 50460  
Ion Ratio Lower Upper  
84 100  
49 106.8 84.4 126.6  
51 33.0 26.0 39.0  
86 66.3 49.5 74.3





#33

1,2-Dichloroethane-d4

Concen: 50.436 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017977.D

Acq: 18 Apr 2024 15:38

Instrument :

MSVOA\_Y

ClientSampleId :

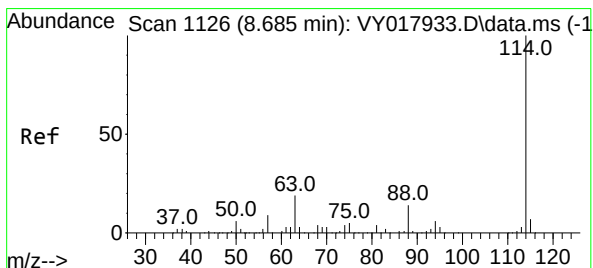
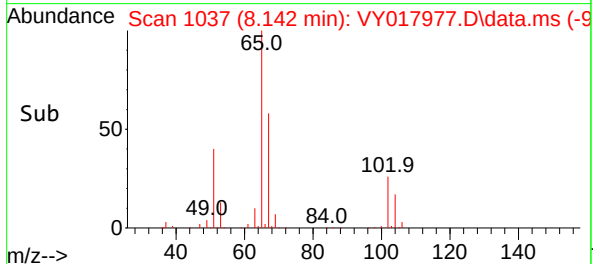
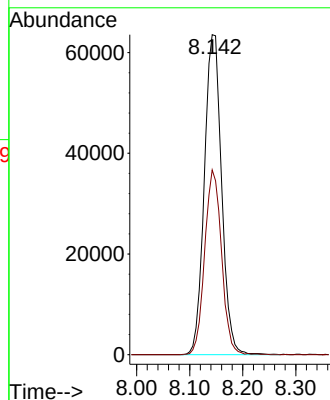
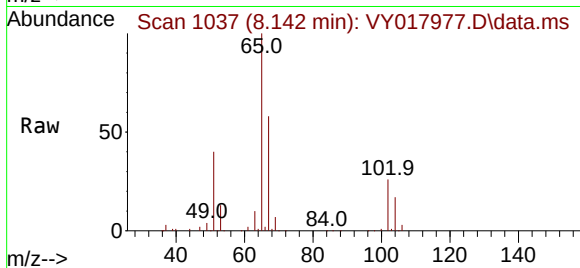
GRAB-8

Tgt Ion: 65 Resp: 143757

Ion Ratio Lower Upper

65 100

67 56.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017977.D

Acq: 18 Apr 2024 15:38

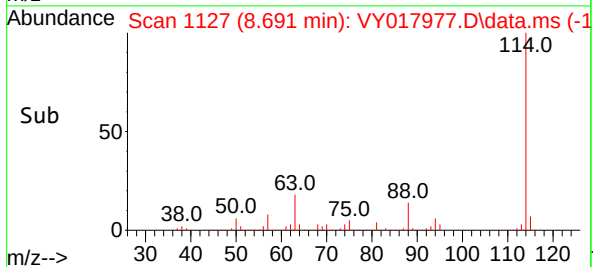
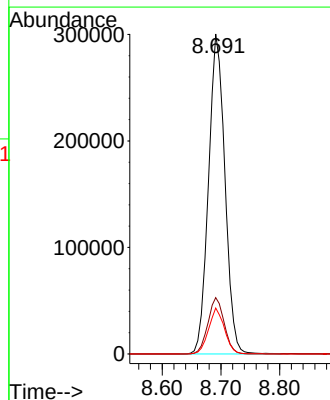
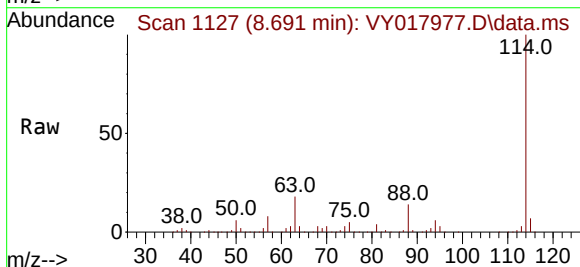
Tgt Ion: 114 Resp: 582859

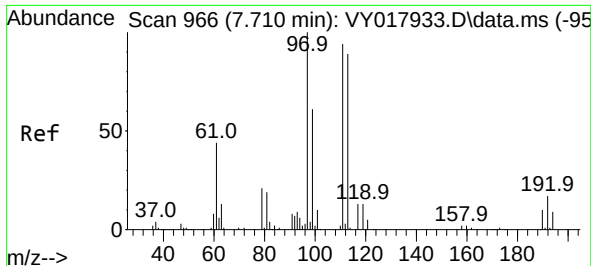
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.0

88 14.3 0.0 27.2

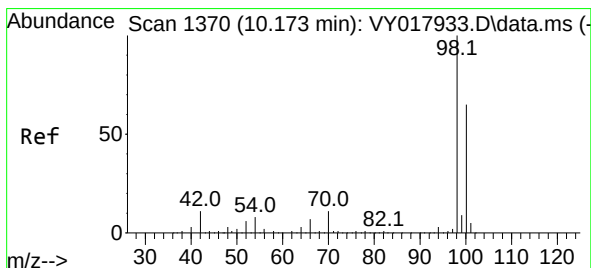
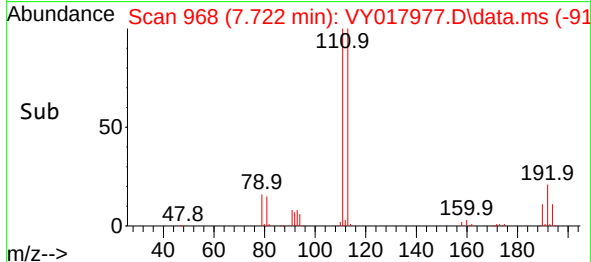
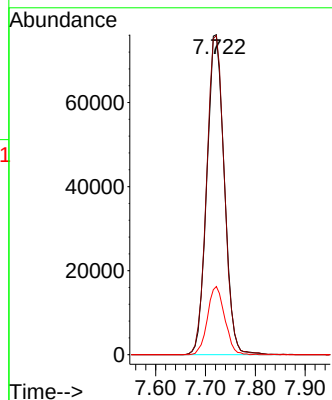
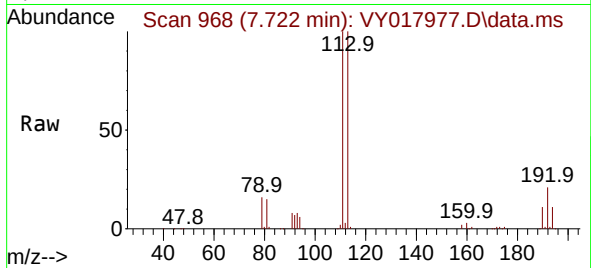




#35  
Dibromofluoromethane  
Concen: 51.418 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

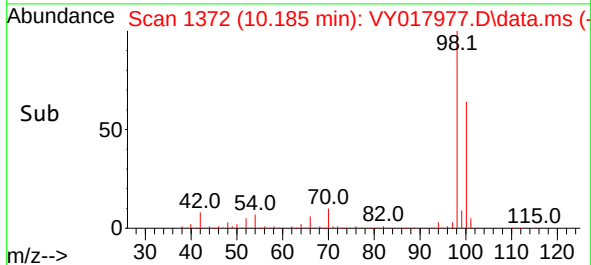
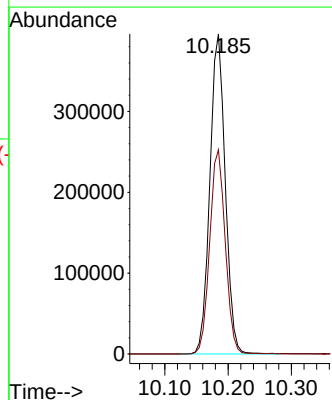
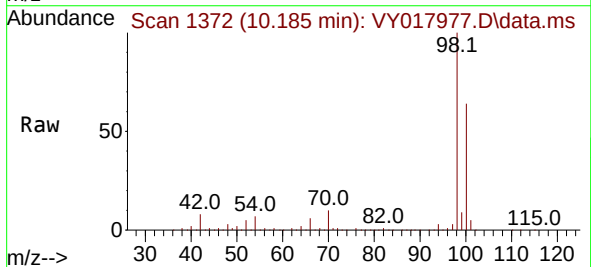
Instrument :  
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ClientSampleId :  
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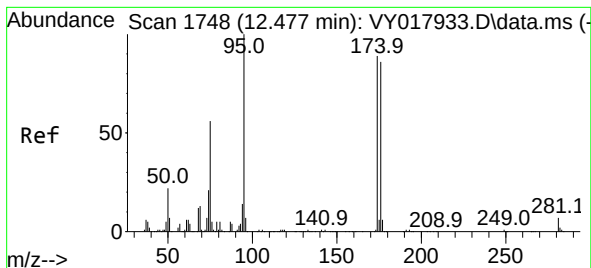
Tgt Ion:113 Resp: 184893  
Ion Ratio Lower Upper  
113 100  
111 101.2 82.2 123.4  
192 21.1 15.9 23.9



#50  
Toluene-d8  
Concen: 48.991 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

Tgt Ion: 98 Resp: 668456  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.0 78.0

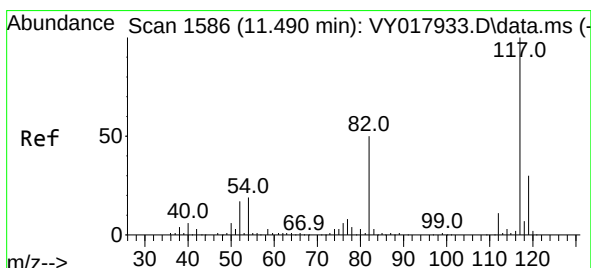
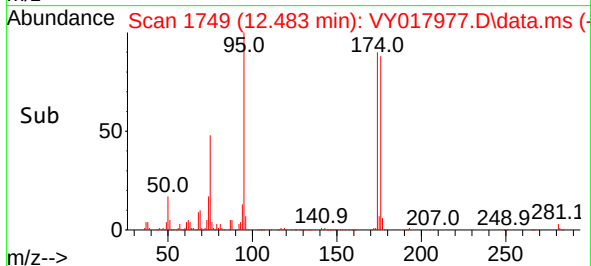
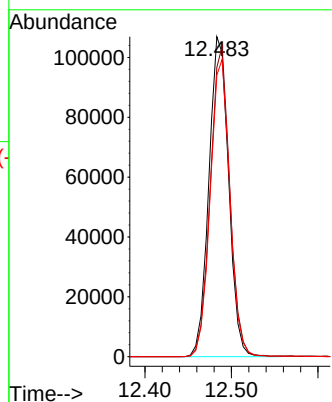
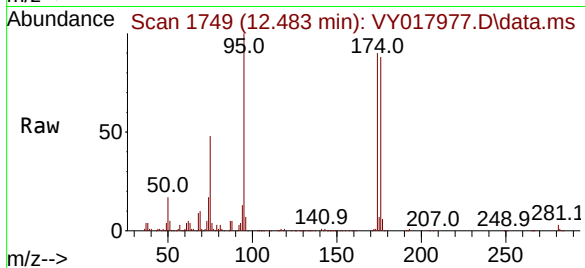




#62  
4-Bromofluorobenzene  
Concen: 40.084 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

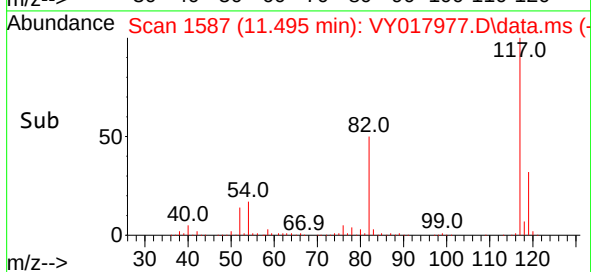
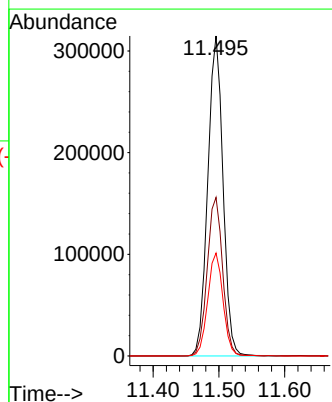
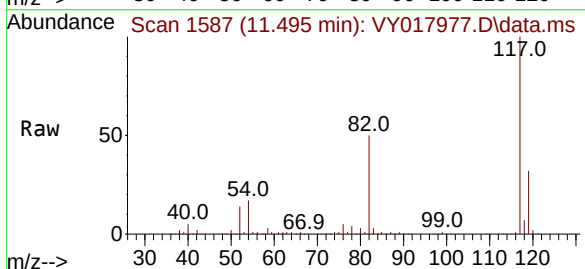
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-8

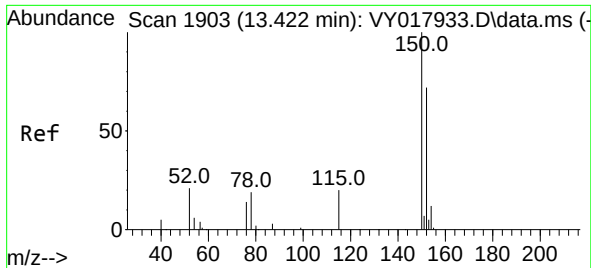
Tgt Ion: 95 Resp: 169386  
Ion Ratio Lower Upper  
95 100  
174 95.5 0.0 175.6  
176 92.3 0.0 171.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

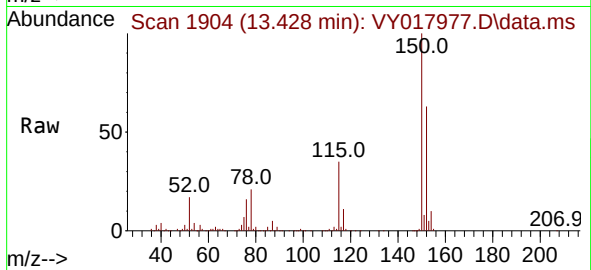
Tgt Ion: 117 Resp: 506641  
Ion Ratio Lower Upper  
117 100  
82 49.6 42.4 63.6  
119 32.1 25.9 38.9





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY017977.D  
Acq: 18 Apr 2024 15:38

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GRAB-8



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 175093 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 54.2  | 28.2  | 84.7   |
| 150      | 155.9 | 0.0   | 345.6  |

