

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082923\  
 Data File : VD077066.D  
 Acq On : 29 Aug 2023 17:12  
 Operator : JC/SY  
 Sample : 04197-24  
 Misc : 3.25G/5.5ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-309-OK-370-VOC-23

Quant Time: Aug 29 21:01:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 29 02:15:23 2023  
 Response via : Initial Calibration

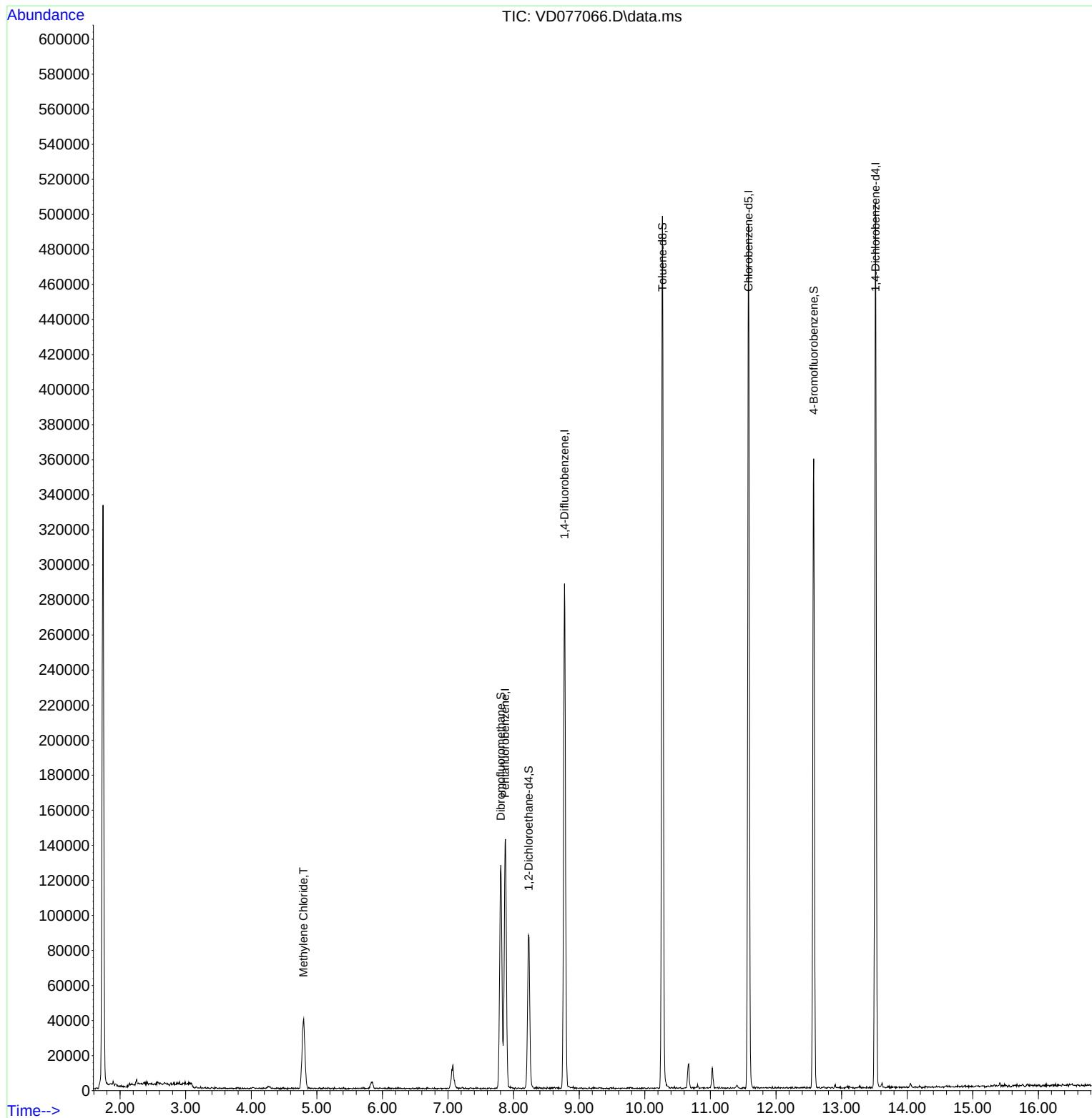
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min)  |
|-----------------------------|-----------|-------|----------|----------|------------|-----------|
| -----                       |           |       |          |          |            |           |
| Internal Standards          |           |       |          |          |            |           |
| 1) Pentafluorobenzene       | 7.869     | 168   | 114830   | 50.000   | ug/l       | 0.00      |
| 34) 1,4-Difluorobenzene     | 8.775     | 114   | 267916   | 50.000   | ug/l       | 0.00      |
| 63) Chlorobenzene-d5        | 11.581    | 117   | 296514   | 50.000   | ug/l       | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 13.516    | 152   | 140704   | 50.000   | ug/l       | 0.00      |
| System Monitoring Compounds |           |       |          |          |            |           |
| 33) 1,2-Dichloroethane-d4   | 8.228     | 65    | 70910    | 62.720   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 125.440% |           |
| 35) Dibromofluoromethane    | 7.805     | 113   | 92922    | 51.916   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 103.840% |           |
| 50) Toluene-d8              | 10.269    | 98    | 347999   | 53.743   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 107.480% |           |
| 62) 4-Bromofluorobenzene    | 12.575    | 95    | 108821   | 57.001   | ug/l       | 0.00      |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 114.000% |           |
| Target Compounds            |           |       |          |          |            |           |
| 20) Methylene Chloride      | 4.793     | 84    | 31934    | 17.191   | ug/l       | Qvalue 95 |
| -----                       |           |       |          |          |            |           |

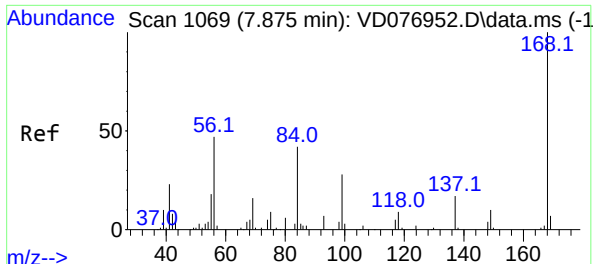
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD082923\  
Data File : VD077066.D  
Acq On : 29 Aug 2023 17:12  
Operator : JC/SY  
Sample : 04197-24  
Misc : 3.25G/5.5ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-309-OK-370-VOC-23

Quant Time: Aug 29 21:01:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082823S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 29 02:15:23 2023  
Response via : Initial Calibration

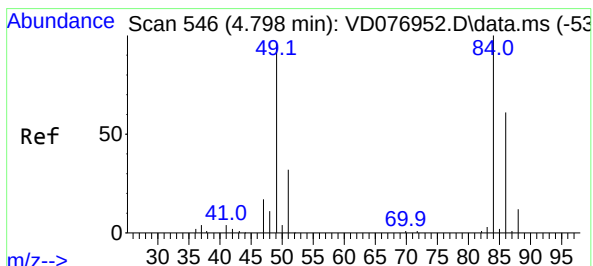
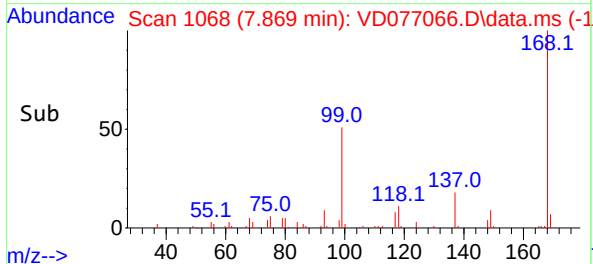
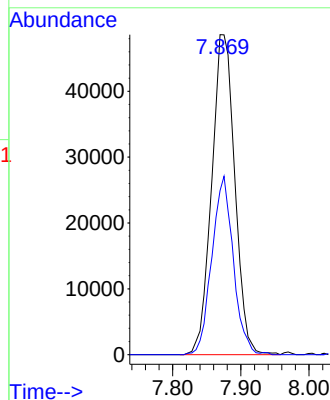
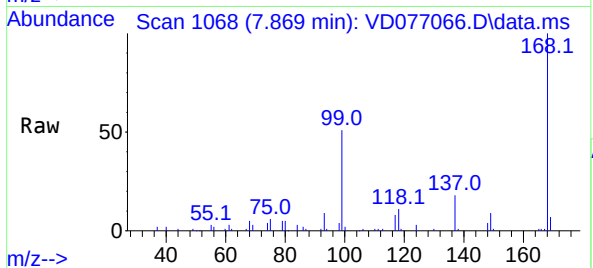




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.869 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD077066.D  
Acq: 29 Aug 2023 17:12

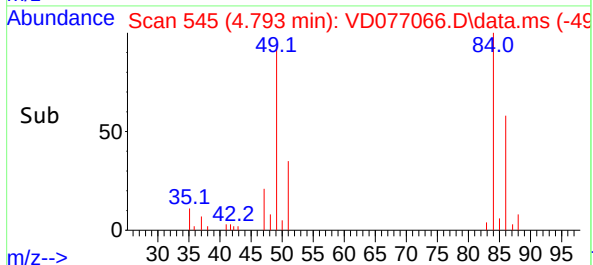
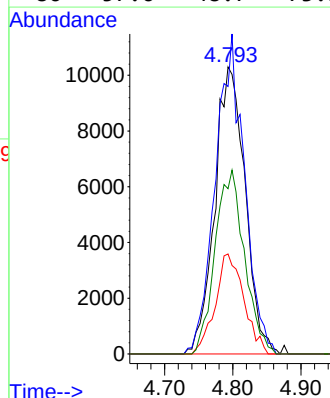
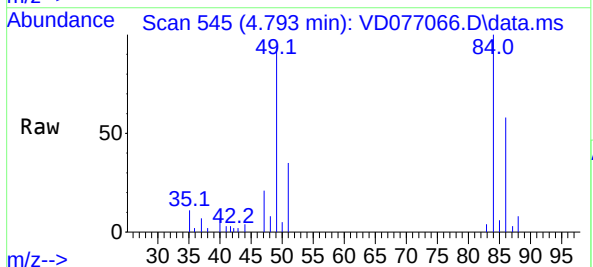
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-309-OK-370-VOC-23

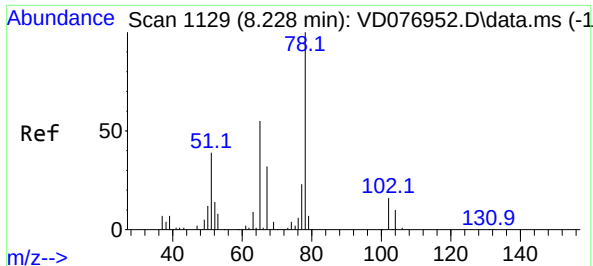
Tgt Ion:168 Resp: 114830  
Ion Ratio Lower Upper  
168 100  
99 51.3 36.7 55.1



#20  
Methylene Chloride  
Concen: 17.191 ug/l  
RT: 4.793 min Scan# 545  
Delta R.T. -0.005 min  
Lab File: VD077066.D  
Acq: 29 Aug 2023 17:12

Tgt Ion: 84 Resp: 31934  
Ion Ratio Lower Upper  
84 100  
49 93.2 71.4 107.2  
51 34.9 24.5 36.7  
86 57.6 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 62.720 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077066.D

Acq: 29 Aug 2023 17:12

Instrument :

MSVOA\_D

ClientSampleId :

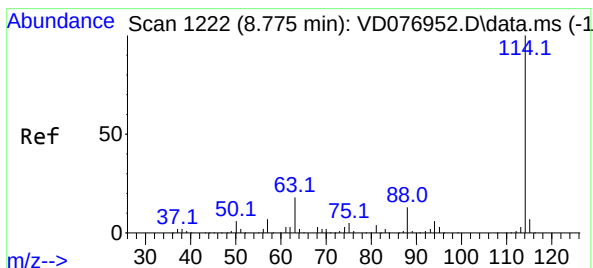
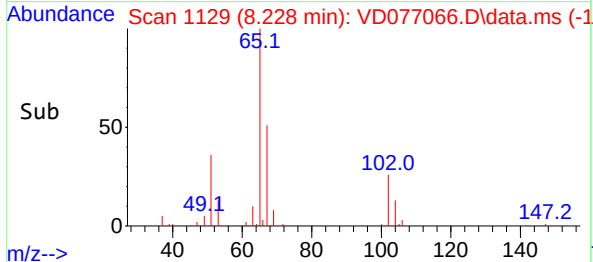
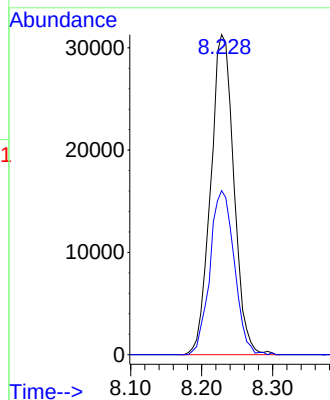
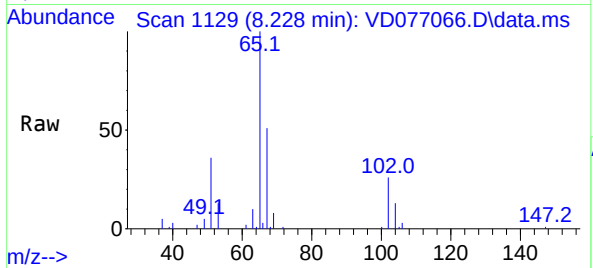
OR-309-OK-370-VOC-23

Tgt Ion: 65 Resp: 70910

Ion Ratio Lower Upper

65 100

67 53.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077066.D

Acq: 29 Aug 2023 17:12

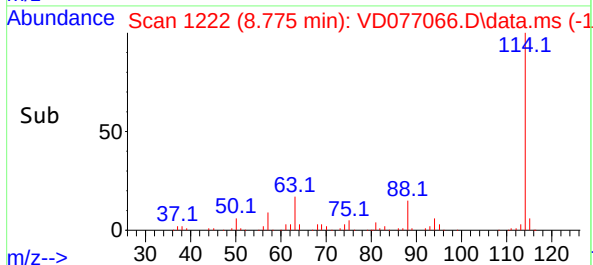
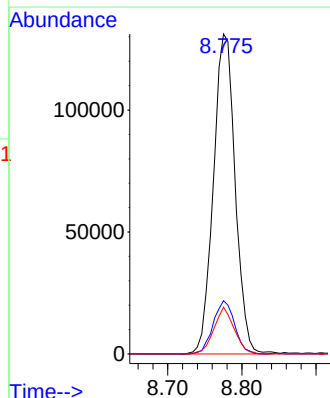
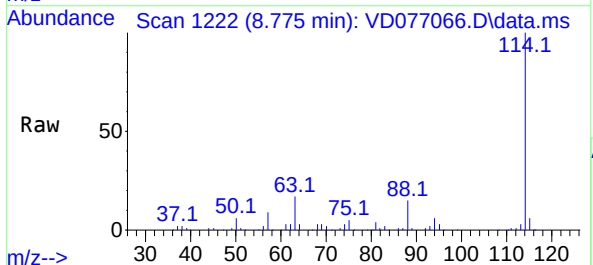
Tgt Ion: 114 Resp: 267916

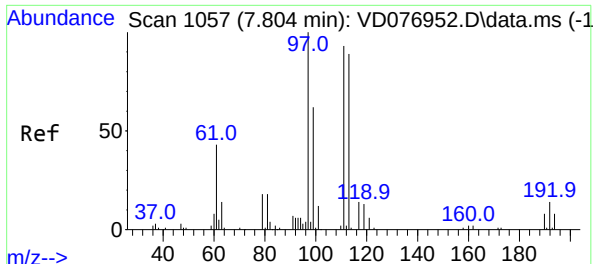
Ion Ratio Lower Upper

114 100

63 16.6 0.0 33.4

88 14.6 0.0 26.2

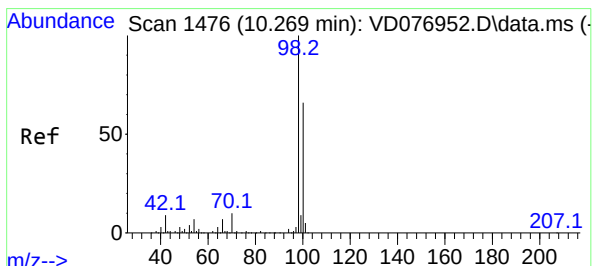
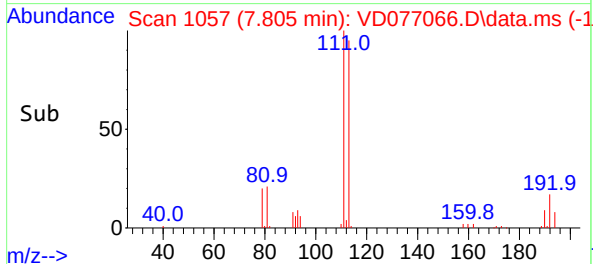
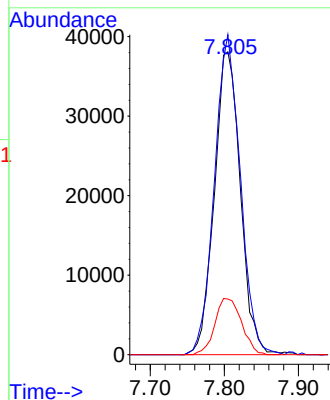
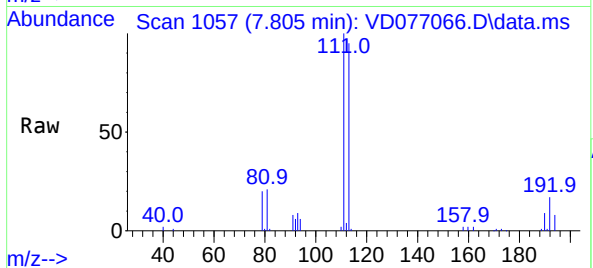




#35  
Dibromofluoromethane  
Concen: 51.916 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. 0.001 min  
Lab File: VD077066.D  
Acq: 29 Aug 2023 17:12

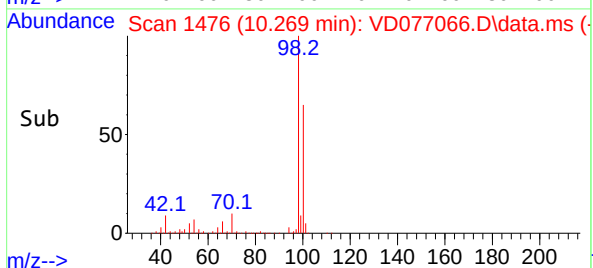
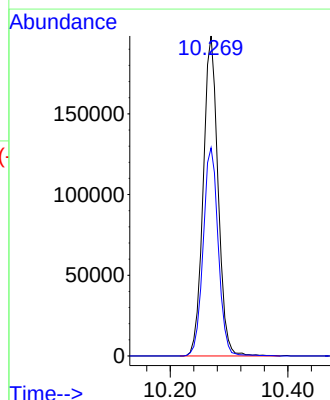
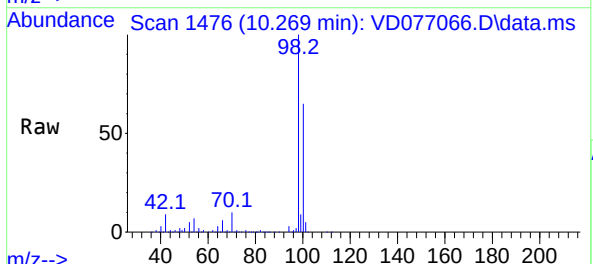
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-309-OK-370-VOC-23

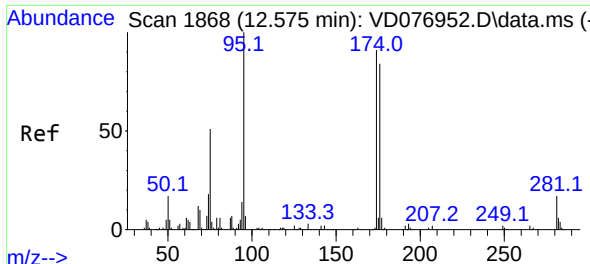
Tgt Ion:113 Resp: 92922  
Ion Ratio Lower Upper  
113 100  
111 105.0 84.7 127.1  
192 19.0 16.8 25.2



#50  
Toluene-d8  
Concen: 53.743 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077066.D  
Acq: 29 Aug 2023 17:12

Tgt Ion: 98 Resp: 347999  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.3 75.5

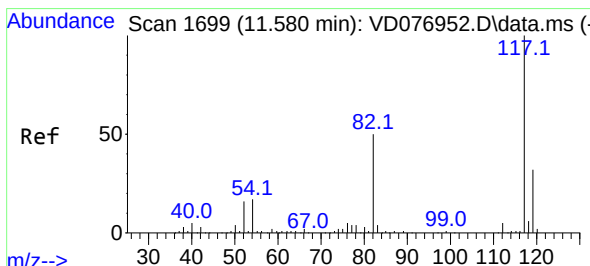
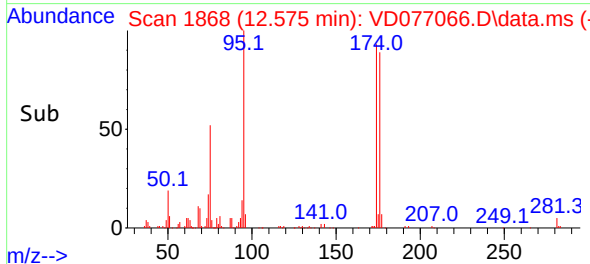
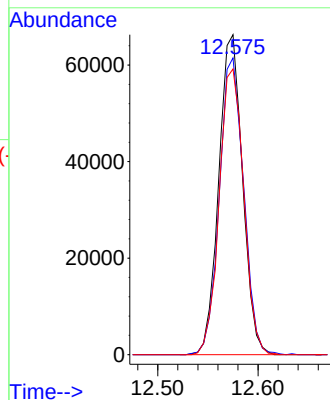
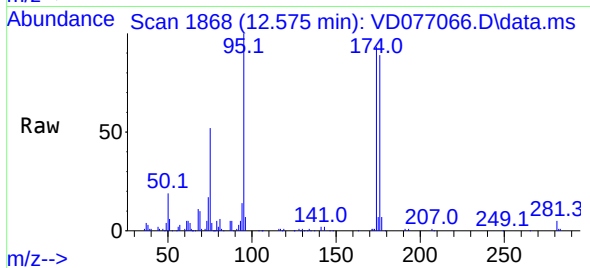




#62  
4-Bromofluorobenzene  
Concen: 57.001 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077066.D  
Acq: 29 Aug 2023 17:12

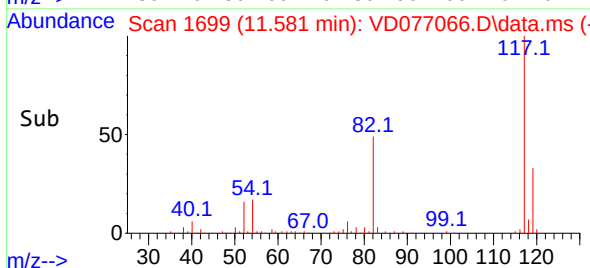
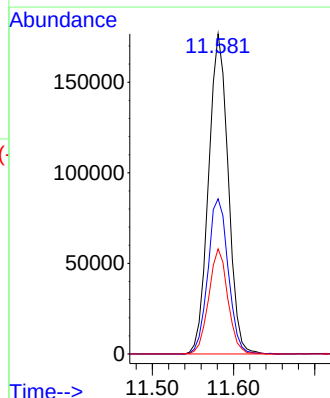
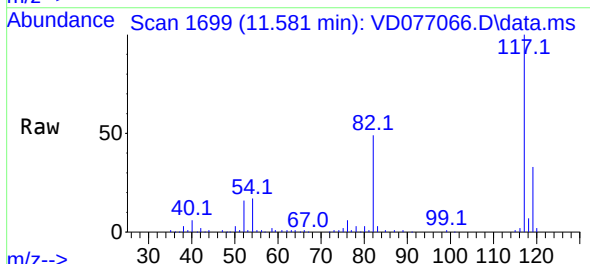
Instrument :  
MSVOA\_D  
ClientSampleId :  
OR-309-OK-370-VOC-23

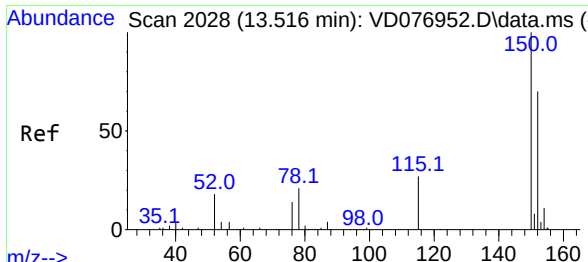
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 108821 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 174      | 94.5  | 0.0   | 201.8  |
| 176      | 92.3  | 0.0   | 191.8  |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. 0.001 min  
Lab File: VD077066.D  
Acq: 29 Aug 2023 17:12

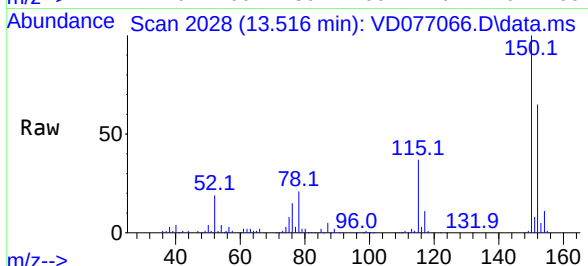
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 296514 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 48.5  | 38.3  | 57.5   |
| 119      | 32.9  | 25.0  | 37.4   |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.516 min Scan# 20  
 Delta R.T. 0.000 min  
 Lab File: VD077066.D  
 Acq: 29 Aug 2023 17:12

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OR-309-OK-370-VOC-23



Tgt Ion:152 Resp: 140704

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 53.9  | 27.1  | 81.3  |
| 150 | 153.0 | 0.0   | 353.6 |

