

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120623\  
 Data File : VY016616.D  
 Acq On : 06 Dec 2023 15:20  
 Operator : SY/MD  
 Sample : 05599-07RE  
 Misc : 4.50g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LKWD-BACKFILL-04RE

Quant Time: Dec 07 00:34:18 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 05 01:24:25 2023  
 Response via : Initial Calibration

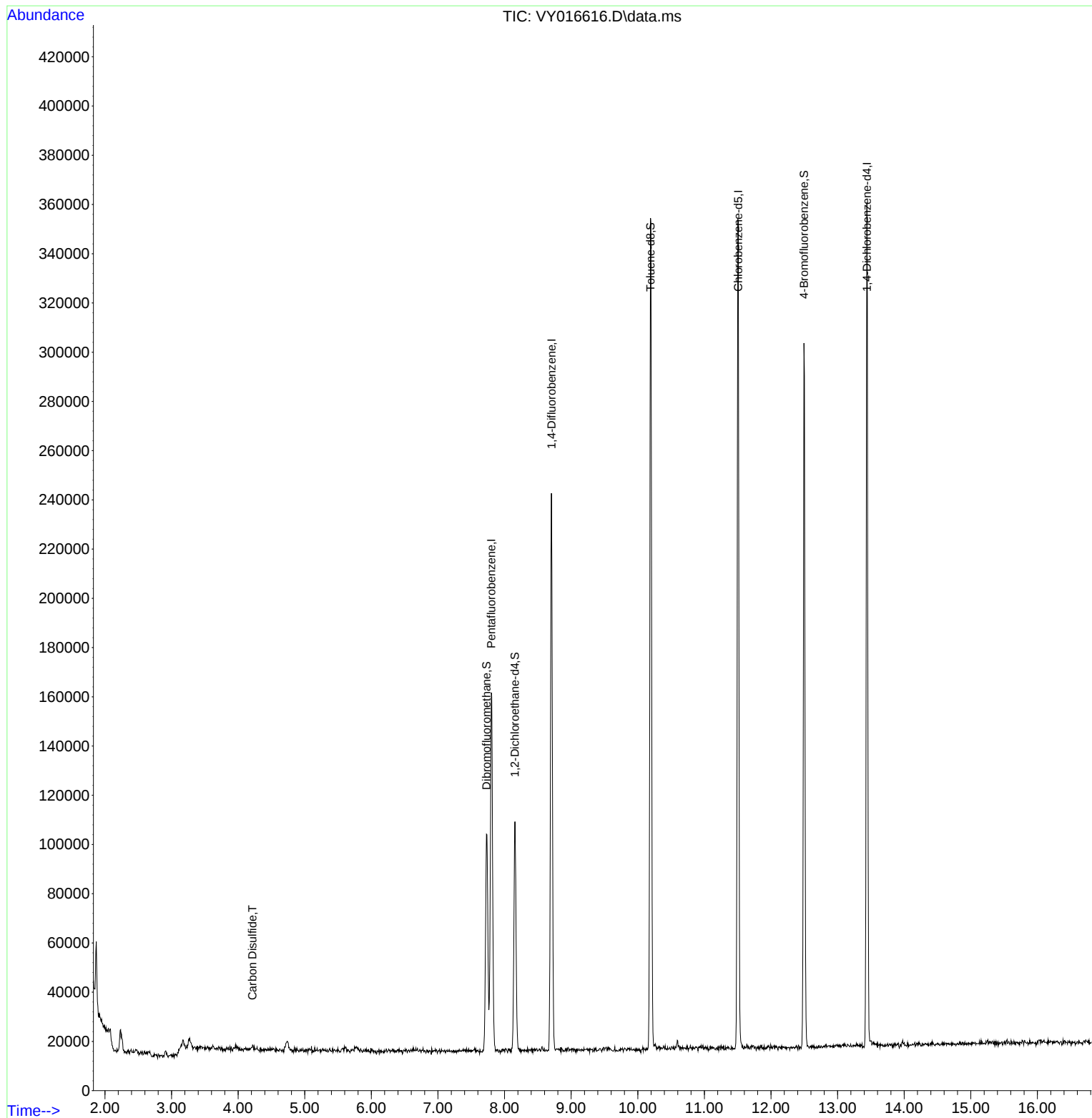
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min)    |
|-----------------------------|--------|-------|----------|----------|------------|-------------|
| -----                       |        |       |          |          |            |             |
| Internal Standards          |        |       |          |          |            |             |
| 1) Pentafluorobenzene       | 7.801  | 168   | 119390   | 50.000   | ug/l       | 0.00        |
| 34) 1,4-Difluorobenzene     | 8.704  | 114   | 195412   | 50.000   | ug/l       | 0.00        |
| 63) Chlorobenzene-d5        | 11.508 | 117   | 194944   | 50.000   | ug/l       | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 13.441 | 152   | 93429    | 50.000   | ug/l       | 0.00        |
| System Monitoring Compounds |        |       |          |          |            |             |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 77512    | 70.243   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 140.480% |             |
| 35) Dibromofluoromethane    | 7.728  | 113   | 63018    | 53.587   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 107.180% |             |
| 50) Toluene-d8              | 10.191 | 98    | 227756   | 51.201   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.400% |             |
| 62) 4-Bromofluorobenzene    | 12.496 | 95    | 81056    | 55.411   | ug/l       | 0.00        |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 110.820% |             |
| Target Compounds            |        |       |          |          |            |             |
| 17) Carbon Disulfide        | 4.217  | 76    | 3383     | 1.137    | ug/l       | Qvalue # 95 |
| -----                       |        |       |          |          |            |             |

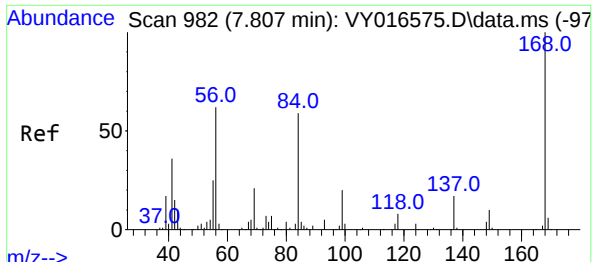
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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LKWD-BACKFILL-04RE

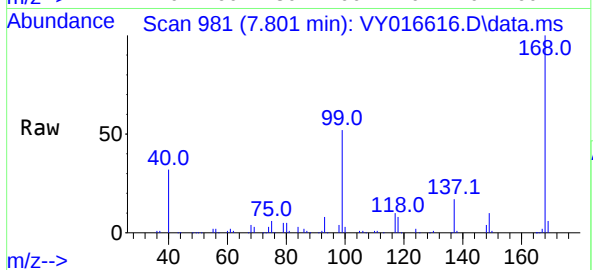
Quant Time: Dec 07 00:34:18 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y120423S.M  
Quant Title : SW846 8260  
QLast Update : Tue Dec 05 01:24:25 2023  
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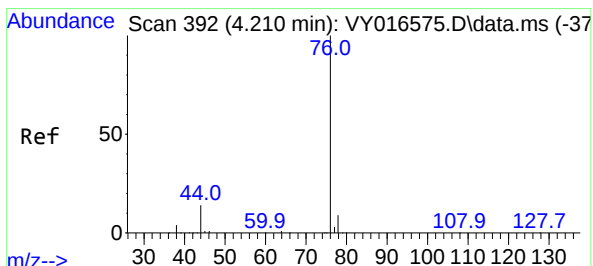
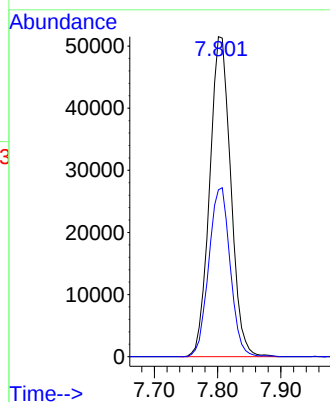
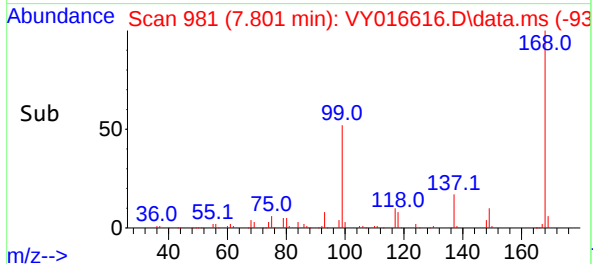


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LKWD-BACKFILL-04RE

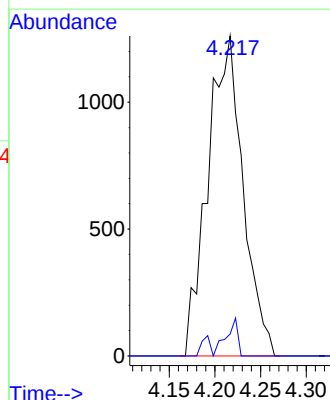
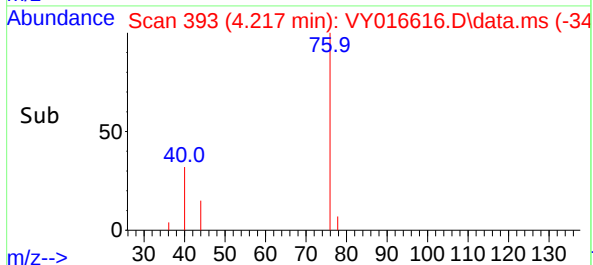
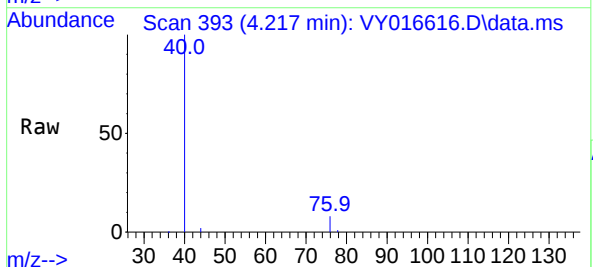


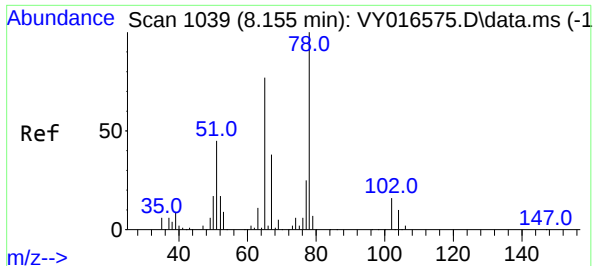
Tgt Ion:168 Resp: 119390  
Ion Ratio Lower Upper  
168 100  
99 52.1 43.4 65.0



#17  
Carbon Disulfide  
Concen: 1.137 ug/l  
RT: 4.217 min Scan# 393  
Delta R.T. 0.006 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

Tgt Ion: 76 Resp: 3383  
Ion Ratio Lower Upper  
76 100  
78 6.8 7.0 10.4#





#33

1,2-Dichloroethane-d4

Concen: 70.243 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY016616.D

Acq: 06 Dec 2023 15:20

Instrument :

MSVOA\_Y

ClientSampleId :

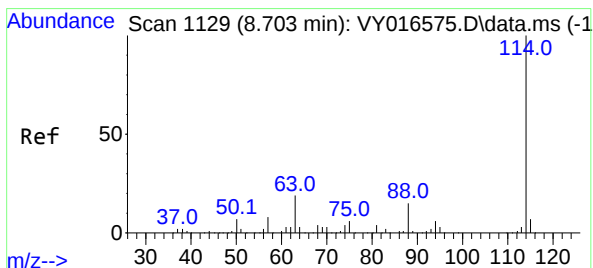
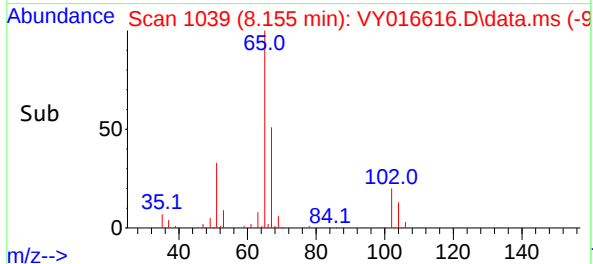
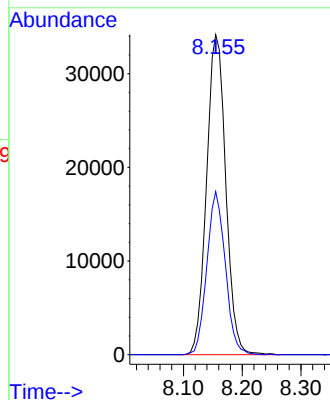
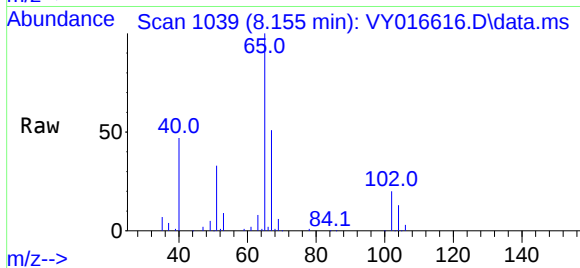
LKWD-BACKFILL-04RE

Tgt Ion: 65 Resp: 77512

Ion Ratio Lower Upper

65 100

67 49.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016616.D

Acq: 06 Dec 2023 15:20

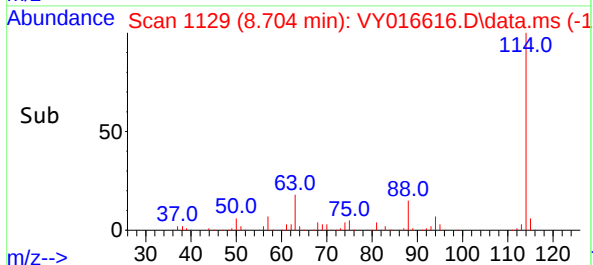
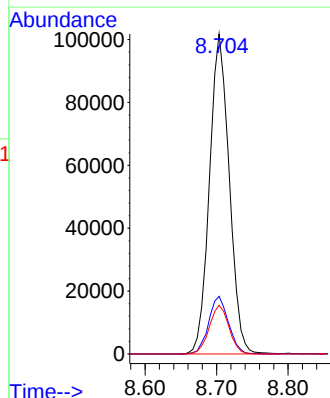
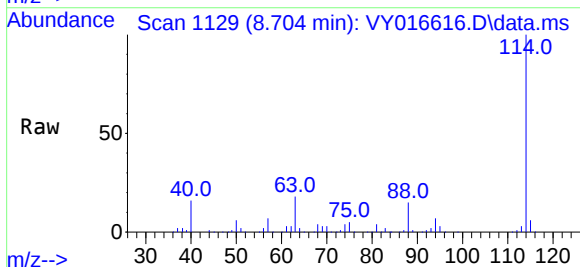
Tgt Ion: 114 Resp: 195412

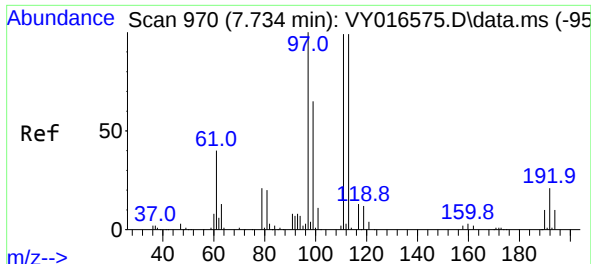
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 15.2 0.0 30.6

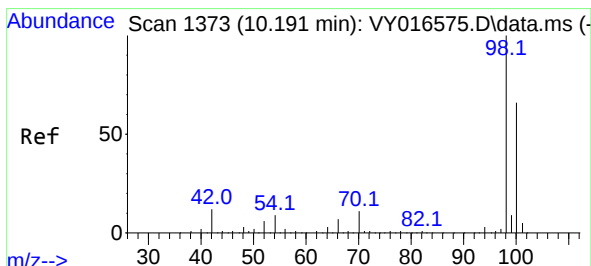
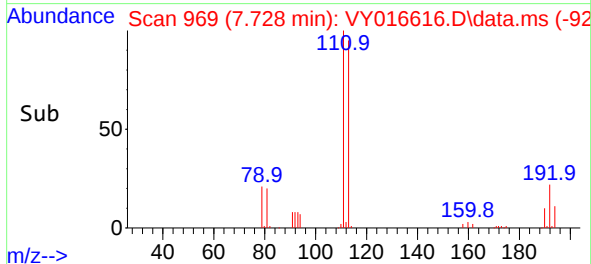
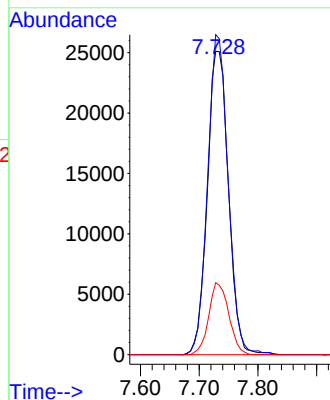
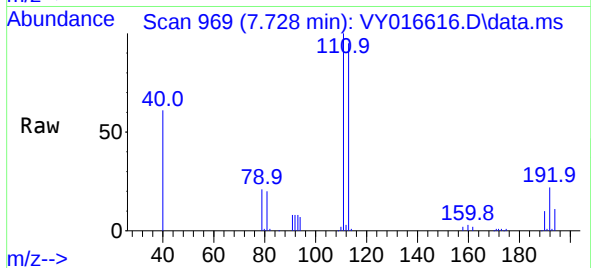




#35  
Dibromofluoromethane  
Concen: 53.587 ug/l  
RT: 7.728 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

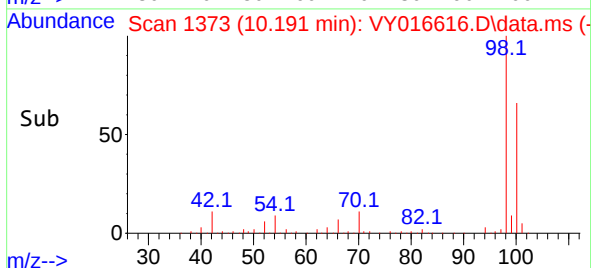
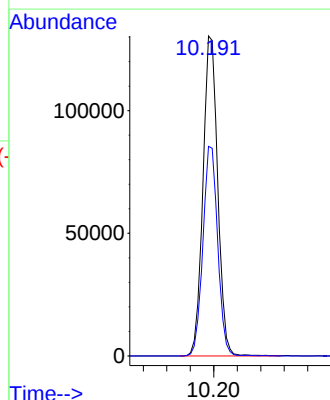
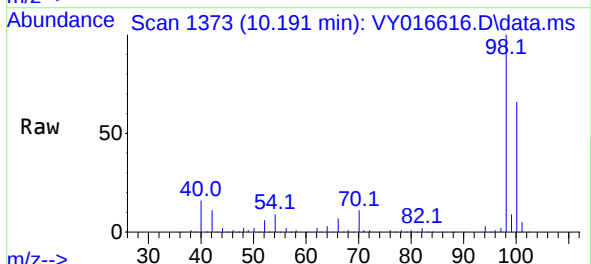
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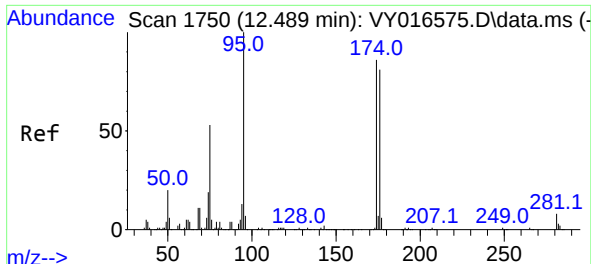
Tgt Ion:113 Resp: 63018  
Ion Ratio Lower Upper  
113 100  
111 102.3 81.3 121.9  
192 22.4 16.9 25.3



#50  
Toluene-d8  
Concen: 51.201 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.000 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

Tgt Ion: 98 Resp: 227756  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.1 75.1

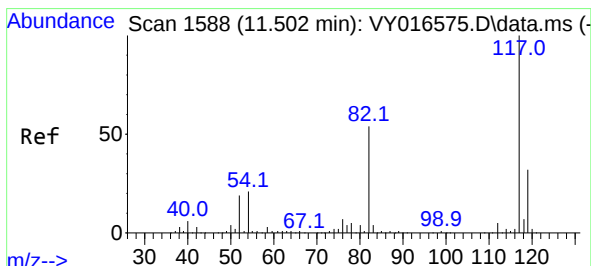
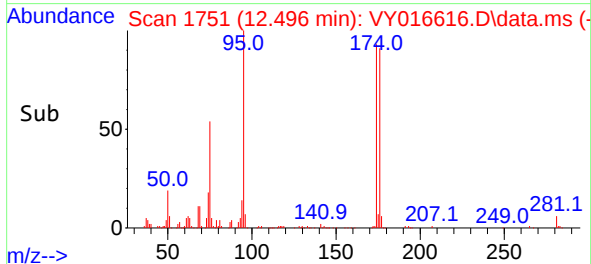
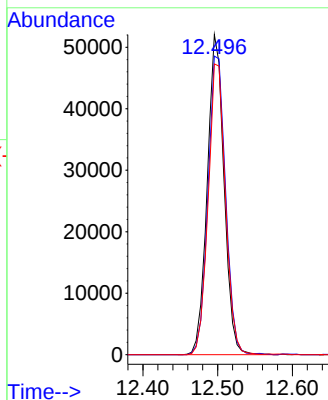
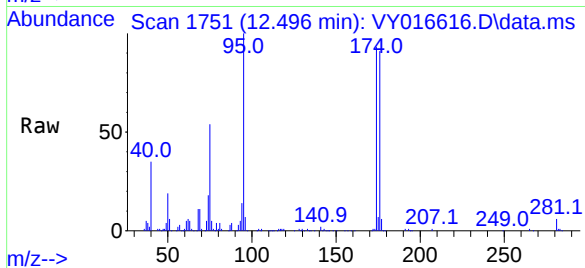




#62  
4-Bromofluorobenzene  
Concen: 55.411 ug/l  
RT: 12.496 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

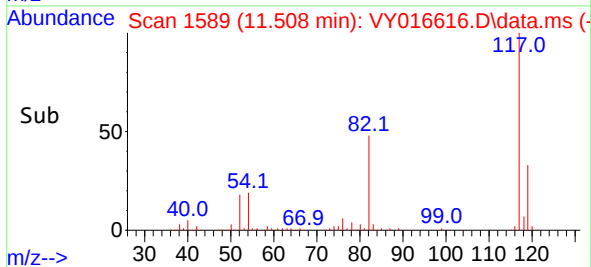
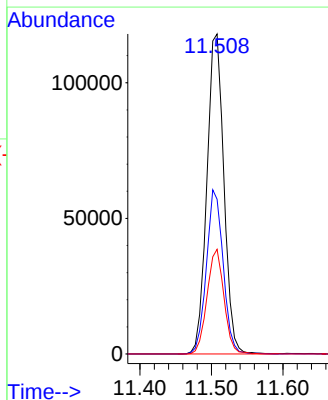
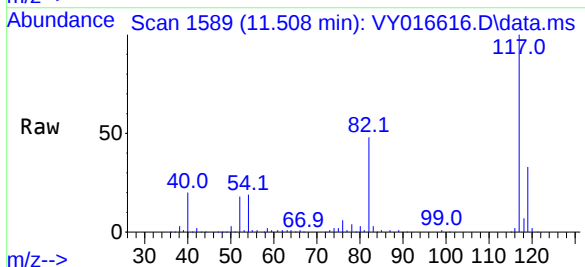
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ClientSampleId :  
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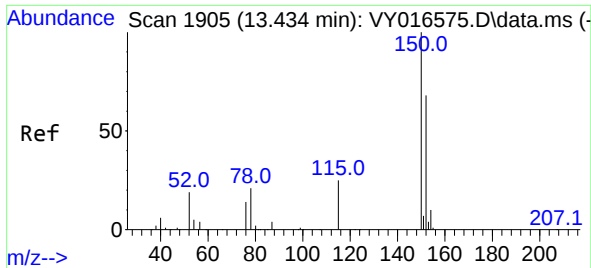
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 81056 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 98.2  | 0.0   | 178.2 |
| 176      | 93.8  | 0.0   | 173.8 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.508 min Scan# 1589  
Delta R.T. 0.006 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

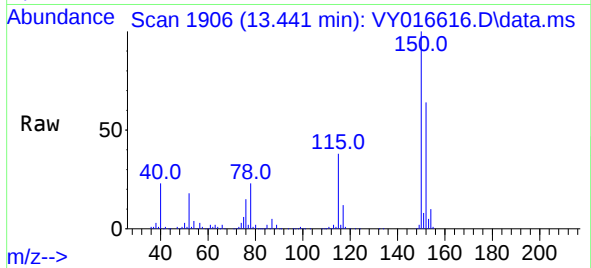
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 194944 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 48.3  | 43.4  | 65.0   |
| 119      | 32.7  | 26.3  | 39.5   |





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.441 min Scan# 1906  
Delta R.T. 0.006 min  
Lab File: VY016616.D  
Acq: 06 Dec 2023 15:20

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LKWD-BACKFILL-04RE



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.5  | 28.8  | 86.5  |
| 150     | 155.6 | 0.0   | 348.8 |

