

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101022\  
 Data File : VY010899.D  
 Acq On : 10 Oct 2022 18:35  
 Operator : KP/MD  
 Sample : N5018-04  
 Misc : 5.27g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SASP2-T-3-(14-16)

Quant Time: Oct 11 09:46:00 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100322S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 04 07:26:22 2022  
 Response via : Initial Calibration

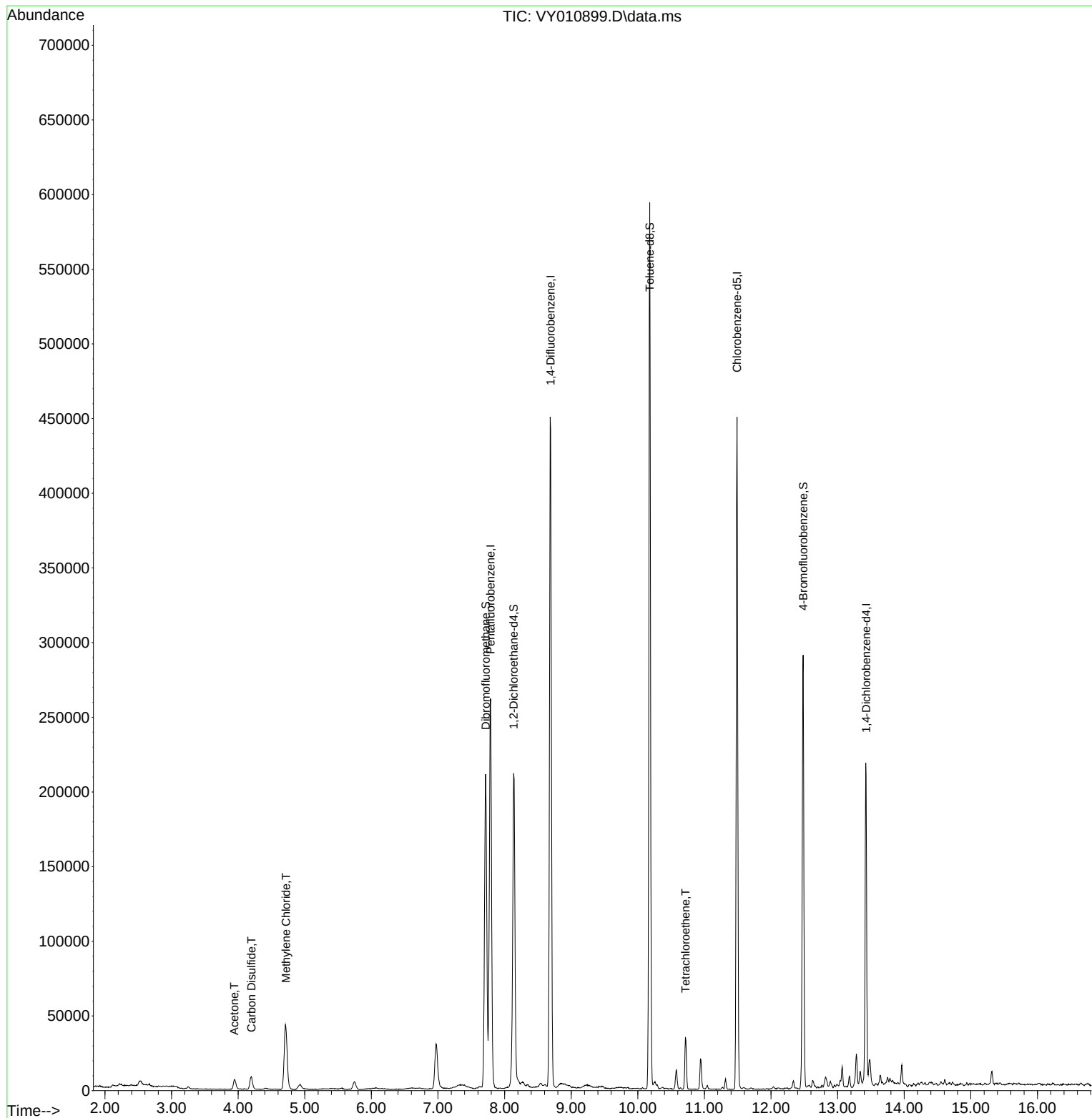
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 203923   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 389749   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 244837   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 57220    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 155263   | 75.115   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 150.220% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 148371   | 57.349   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 114.700% |
| 50) Toluene-d8              | 10.179 | 98    | 386267   | 43.657   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 87.320%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 86183    | 22.941   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 45.880%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 11644    | 22.180   | ug/l   | 93       |
| 17) Carbon Disulfide        | 4.198  | 76    | 14809    | 2.377    | ug/l # | 95       |
| 20) Methylene Chloride      | 4.716  | 84    | 33850    | 10.601   | ug/l # | 82       |
| 64) Tetrachloroethene       | 10.715 | 164   | 7316     | 3.769    | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

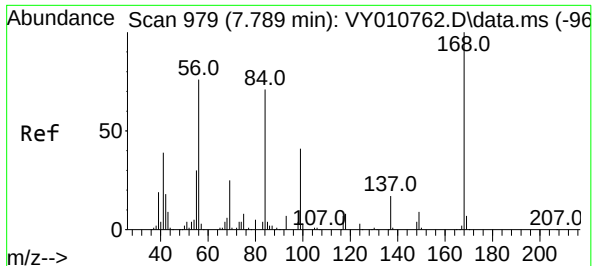
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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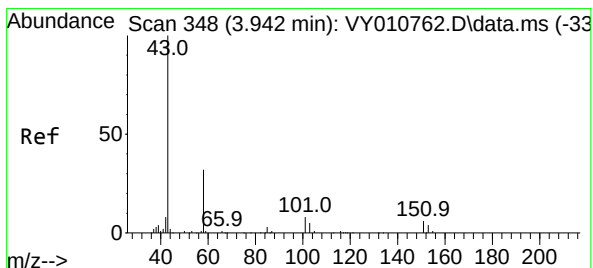
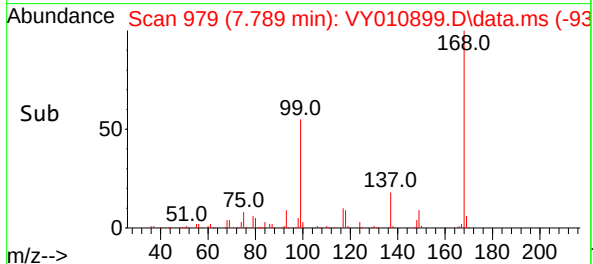
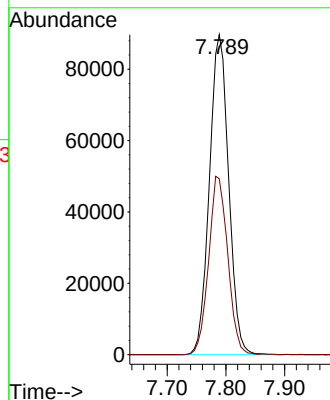
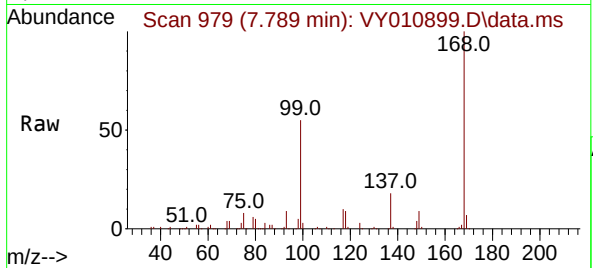




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

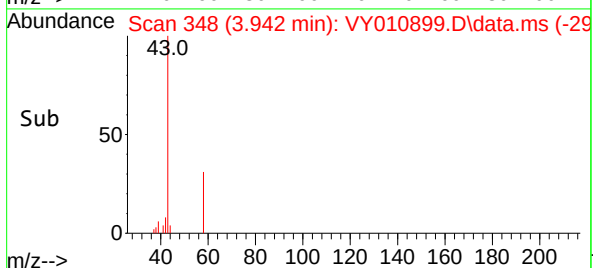
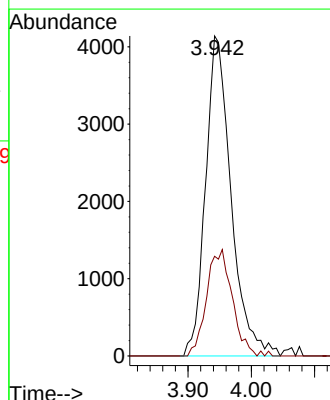
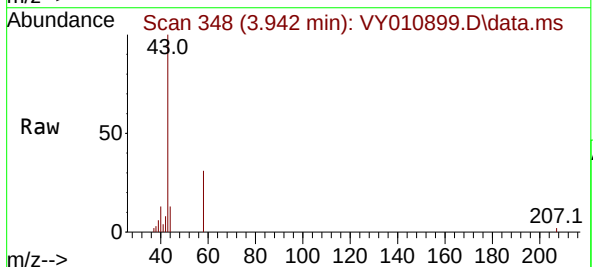
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-3-(14-16)

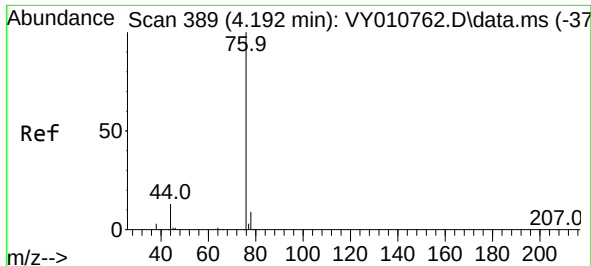
Tgt Ion:168 Resp: 203923  
Ion Ratio Lower Upper  
168 100  
99 55.0 46.9 70.3



#16  
Acetone  
Concen: 22.180 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

Tgt Ion: 43 Resp: 11644  
Ion Ratio Lower Upper  
43 100  
58 31.2 22.0 33.0

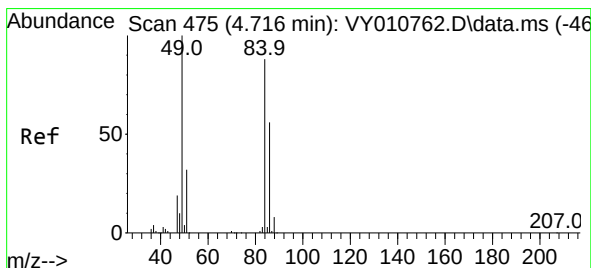
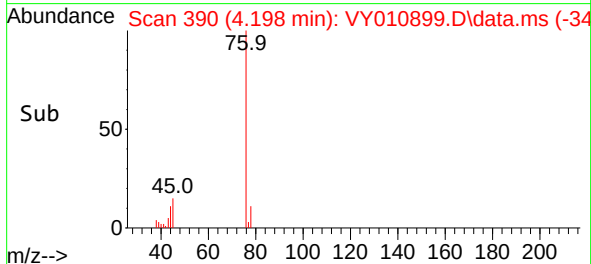
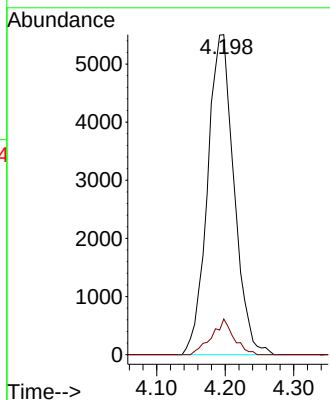
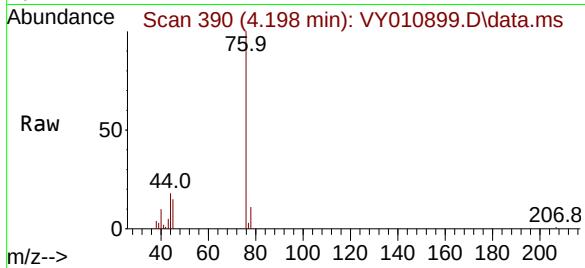




#17  
Carbon Disulfide  
Concen: 2.377 ug/l  
RT: 4.198 min Scan# 390  
Delta R.T. 0.006 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

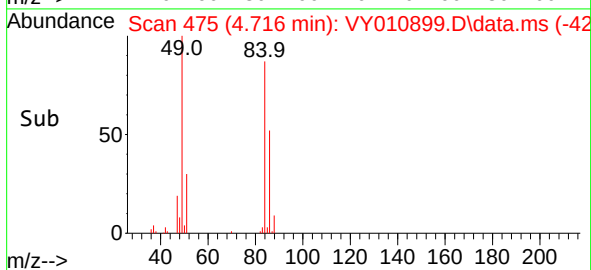
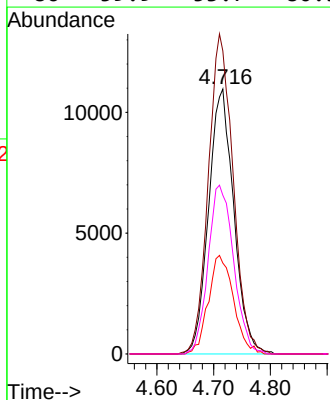
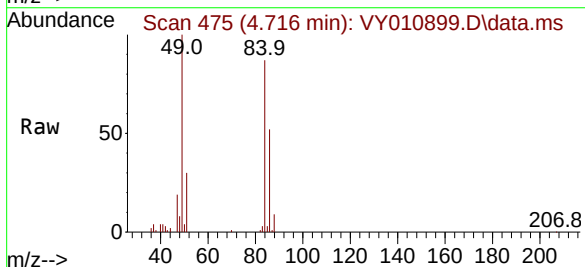
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-3-(14-16)

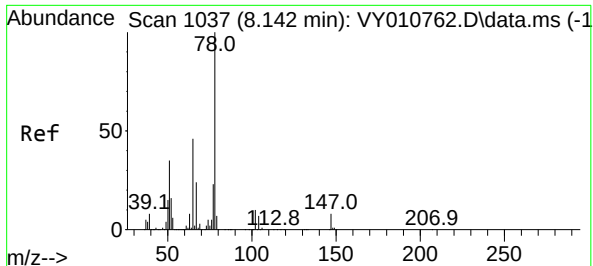
Tgt Ion: 76 Resp: 14809  
Ion Ratio Lower Upper  
76 100  
78 11.2 7.4 11.0#



#20  
Methylene Chloride  
Concen: 10.601 ug/l  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

Tgt Ion: 84 Resp: 33850  
Ion Ratio Lower Upper  
84 100  
49 114.4 114.4 171.6#  
51 34.3 35.3 52.9#  
86 59.9 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 75.115 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

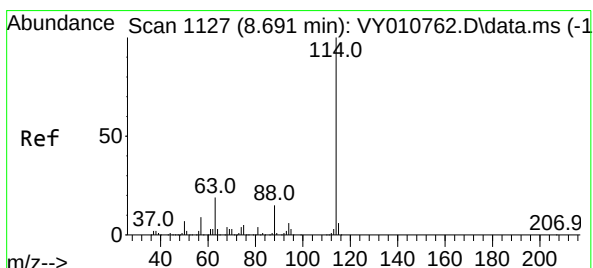
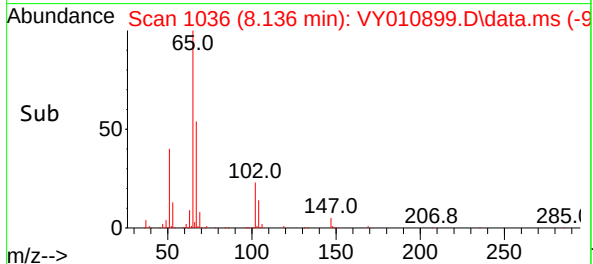
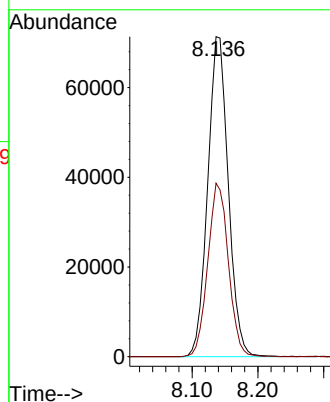
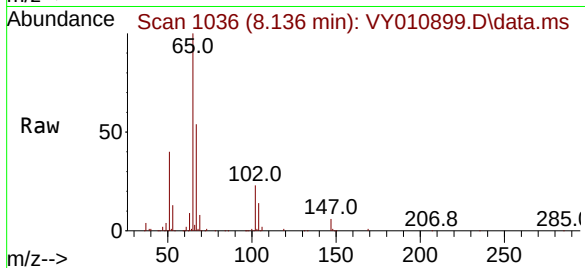
SASP2-T-3-(14-16)

Tgt Ion: 65 Resp: 155263

Ion Ratio Lower Upper

65 100

67 54.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

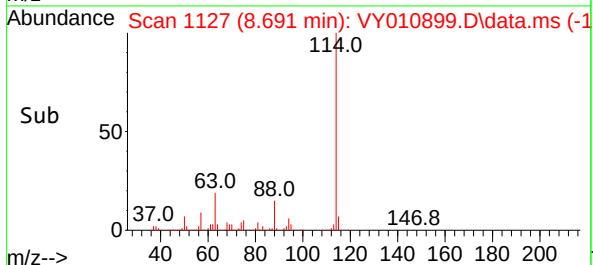
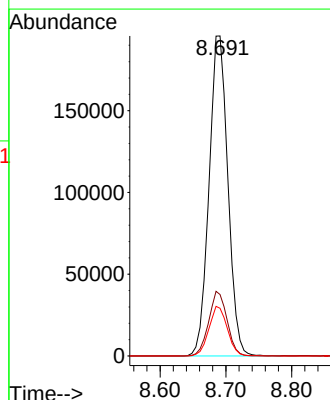
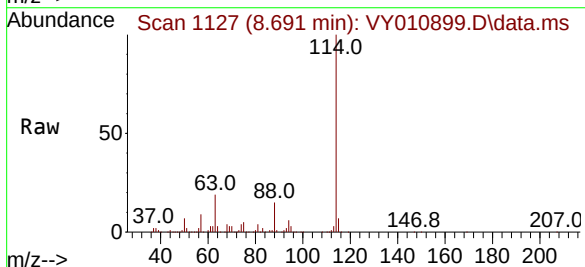
Tgt Ion:114 Resp: 389749

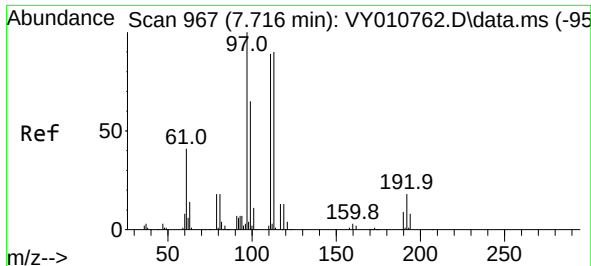
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.349 ug/l

RT: 7.716 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY010899.D

Acq: 10 Oct 2022 18:35

Instrument :

MSVOA\_Y

ClientSampleId :

SASP2-T-3-(14-16)

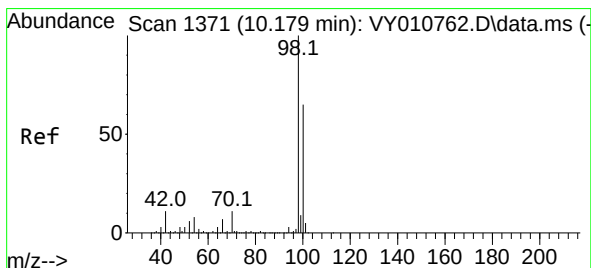
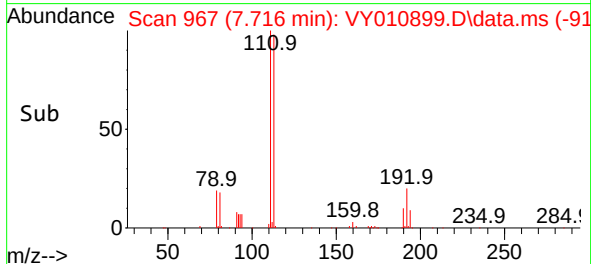
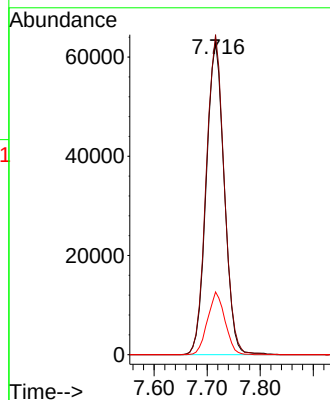
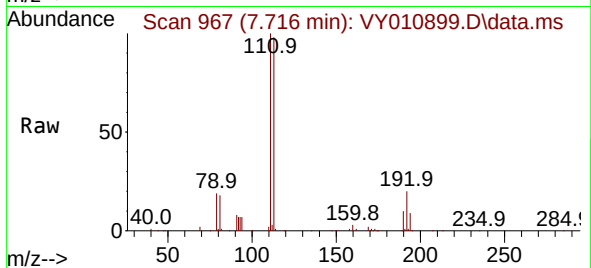
Tgt Ion:113 Resp: 148371

Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 19.4 17.6 26.4



#50

Toluene-d8

Concen: 43.657 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010899.D

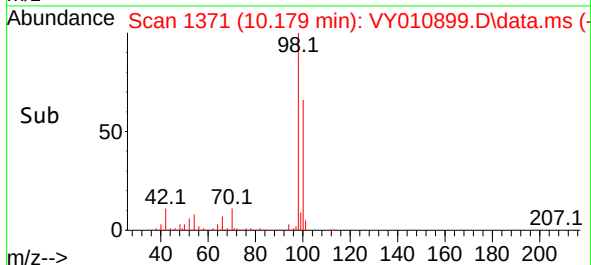
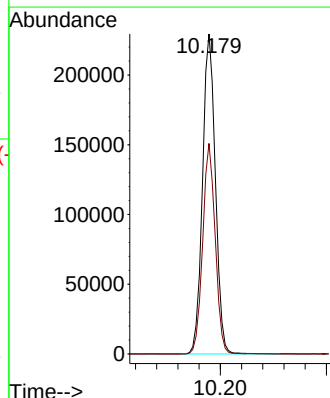
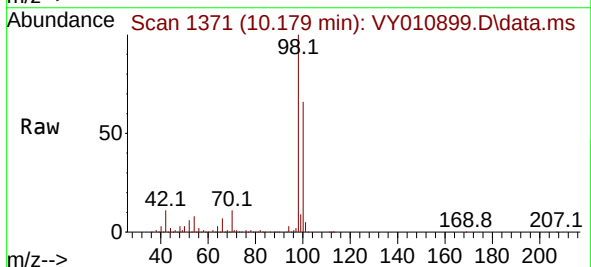
Acq: 10 Oct 2022 18:35

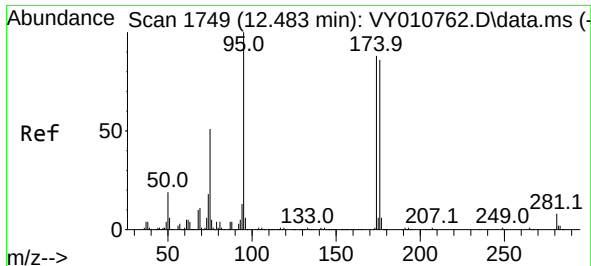
Tgt Ion: 98 Resp: 386267

Ion Ratio Lower Upper

98 100

100 63.8 50.2 75.2

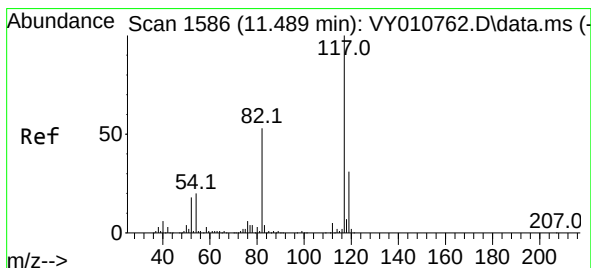
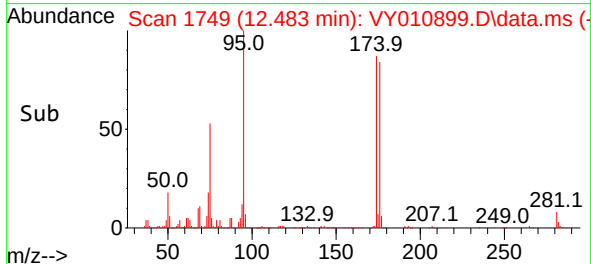
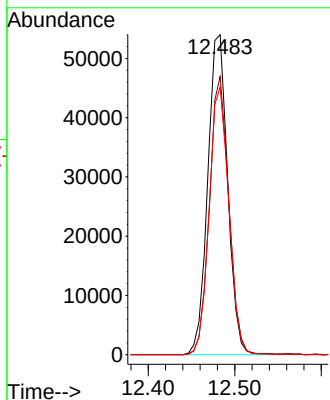
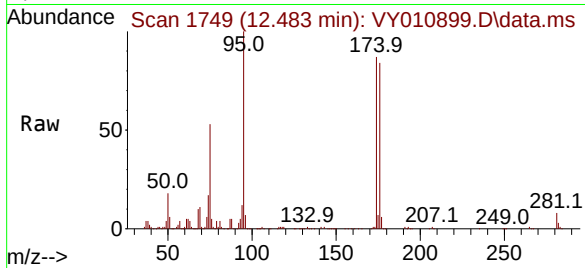




#62  
4-Bromofluorobenzene  
Concen: 22.941 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

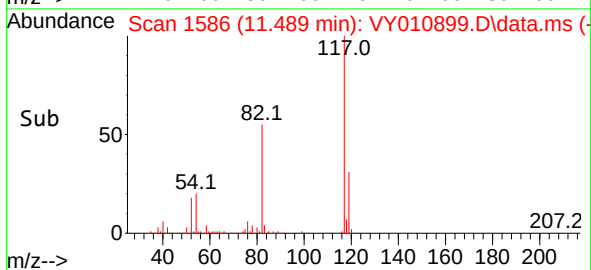
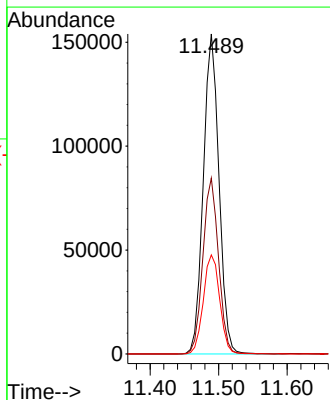
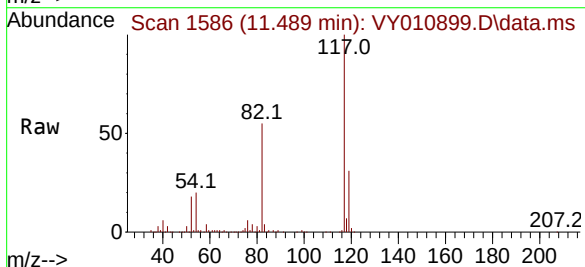
Instrument :  
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SASP2-T-3-(14-16)

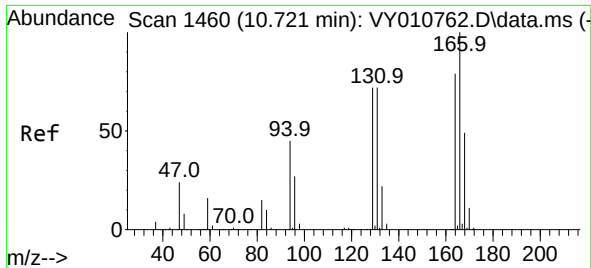
Tgt Ion: 95 Resp: 86183  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 177.0  
176 83.0 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

Tgt Ion: 117 Resp: 244837  
Ion Ratio Lower Upper  
117 100  
82 55.0 43.0 64.4  
119 30.9 25.4 38.0



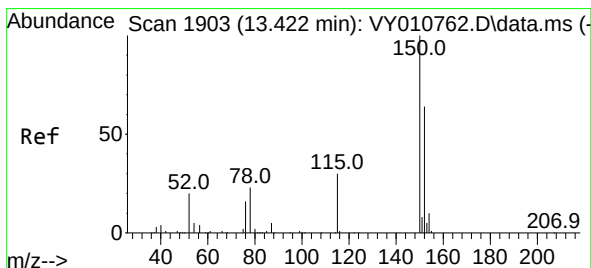
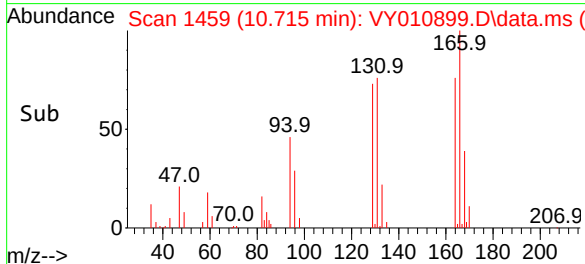
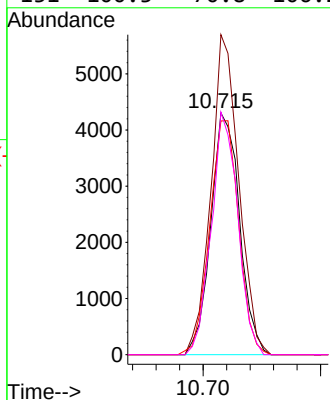
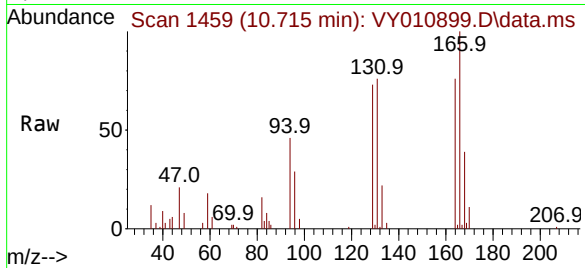


#64  
Tetrachloroethene  
Concen: 3.769 ug/l  
RT: 10.715 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SASP2-T-3-(14-16)

Tgt Ion:164 Resp: 7316

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 132.3 | 100.4 | 150.6 |
| 129 | 96.7  | 71.4  | 107.0 |
| 131 | 100.3 | 70.8  | 106.2 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY010899.D  
Acq: 10 Oct 2022 18:35

Tgt Ion:152 Resp: 57220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 57.1  | 28.2  | 84.7  |
| 150 | 155.4 | 0.0   | 347.6 |

