

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY010623\  
 Data File : VY012090.D  
 Acq On : 06 Jan 2023 14:16  
 Operator : KP/MD  
 Sample : VIBLK  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VIBLK

Quant Time: Jan 07 01:48:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jan 07 01:46:48 2023  
 Response via : Initial Calibration

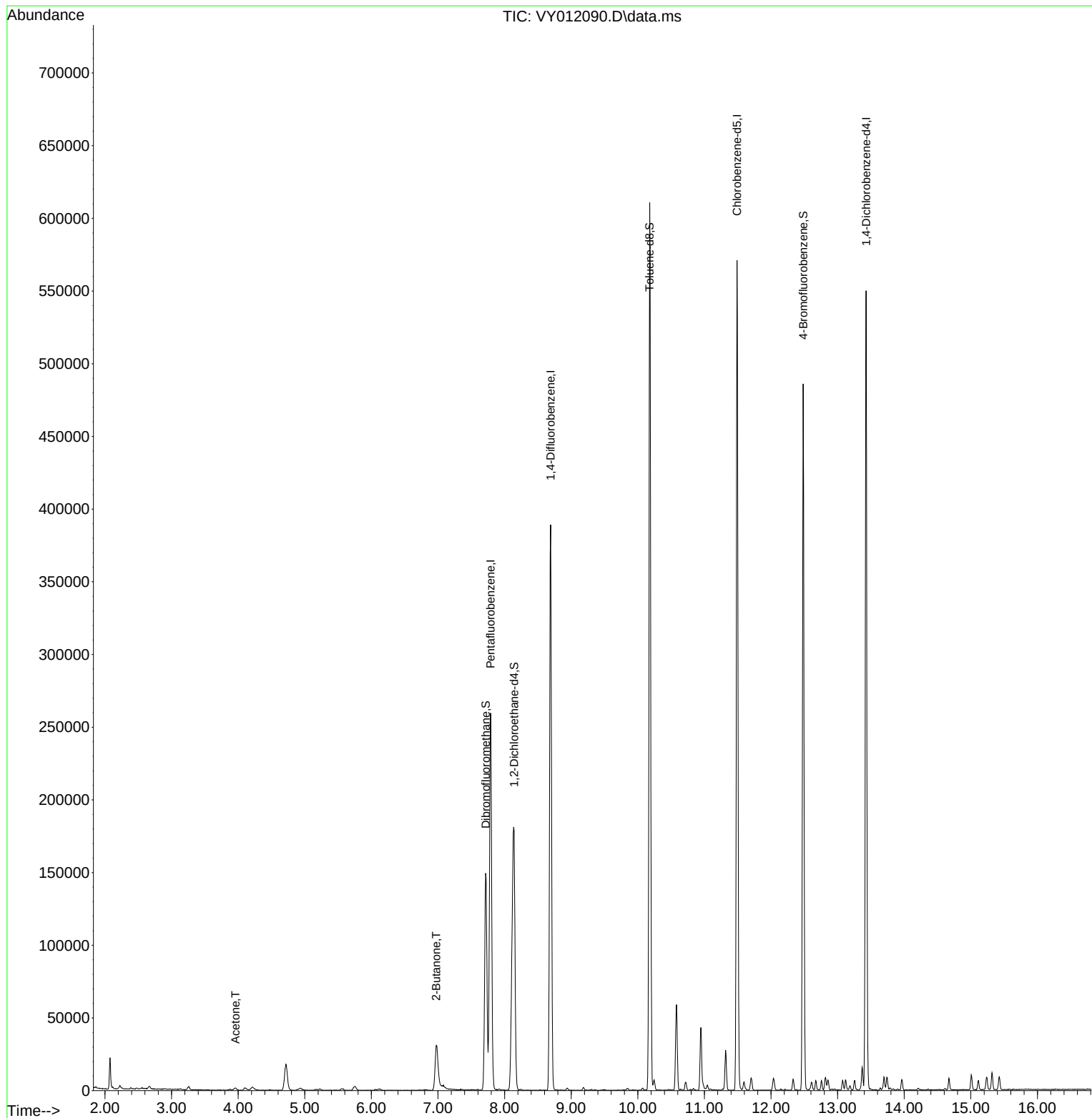
| Compound                    | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|-----------|--------|----------|
| -----                       |        |       |          |           |        |          |
| Internal Standards          |        |       |          |           |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 204760   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 345117   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 319856   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 146851   | 50.000    | ug/l   | 0.00     |
|                             |        |       |          |           |        |          |
| System Monitoring Compounds |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 116179   | 50.495    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery  | =      | 100.980% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 105339   | 46.438    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery  | =      | 92.880%  |
| 50) Toluene-d8              | 10.179 | 98    | 409950   | 45.787    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery  | =      | 91.580%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 135746   | 43.375    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery  | =      | 86.740%  |
|                             |        |       |          |           |        |          |
| Target Compounds            |        |       |          |           |        |          |
| 2) Dichlorodifluoromethane  | 1.900  | 85    | 123      | Below Cal | #      | 41       |
| 3) Chloromethane            | 2.119  | 50    | 635      | Below Cal | #      | 66       |
| 5) Bromomethane             | 2.668  | 94    | 1203     | Below Cal |        | 95       |
| 11) Tert butyl alcohol      | 4.936  | 59    | 1399     | Below Cal | #      | 74       |
| 13) Acrolein                | 3.741  | 56    | 132      | Below Cal | #      | 14       |
| 16) Acetone                 | 3.960  | 43    | 2857     | 5.279     | ug/l # | 79       |
| 17) Carbon Disulfide        | 4.198  | 76    | 697      | Below Cal | #      | 75       |
| 25) 2-Butanone              | 6.972  | 43    | 3043     | 4.261     | ug/l # | 76       |
| 31) Cyclohexane             | 7.789  | 56    | 4543     | Below Cal | #      | 39       |
| -----                       |        |       |          |           |        |          |

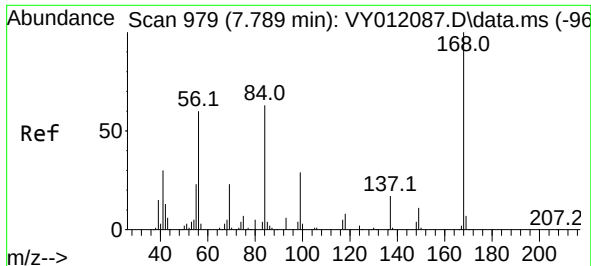
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

Quant Time: Jan 07 01:48:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010623S.M  
Quant Title : SW846 8260  
QLast Update : Sat Jan 07 01:46:48 2023  
Response via : Initial Calibration

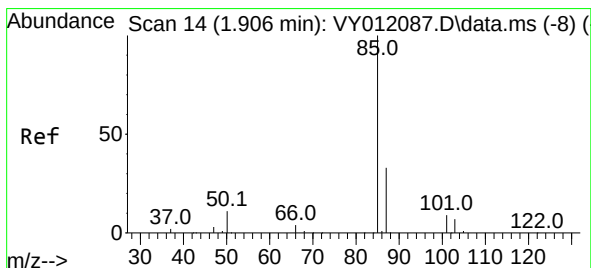
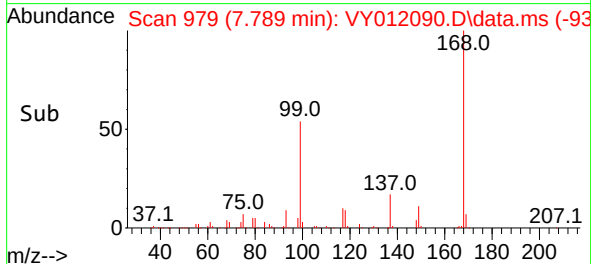
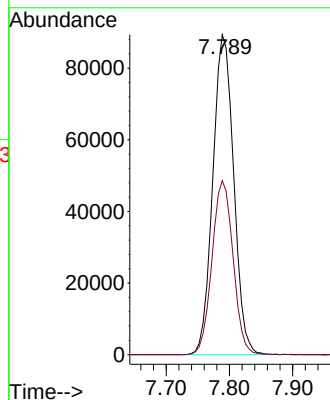
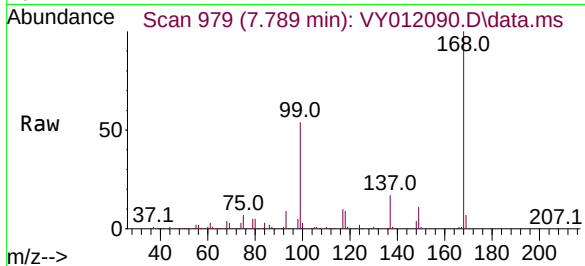




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

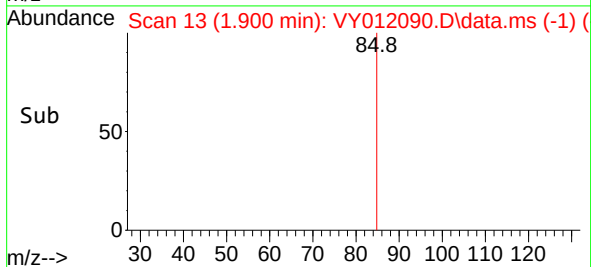
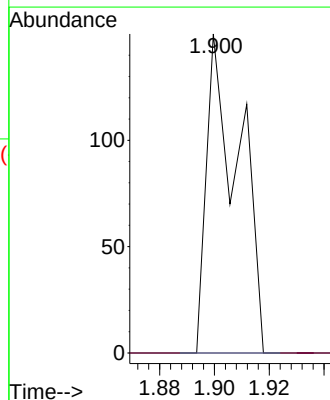
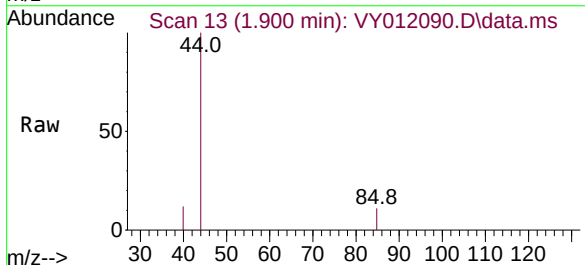
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

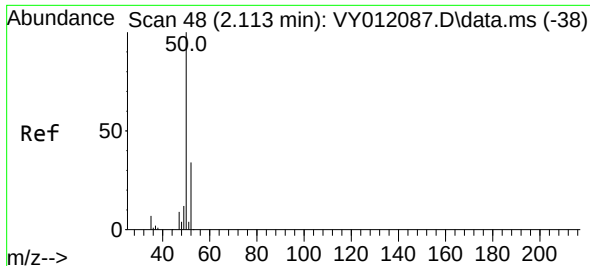
Tgt Ion:168 Resp: 204760  
Ion Ratio Lower Upper  
168 100  
99 54.4 44.0 66.0



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.900 min Scan# 13  
Delta R.T. -0.006 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 85 Resp: 123  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.8 50.4#

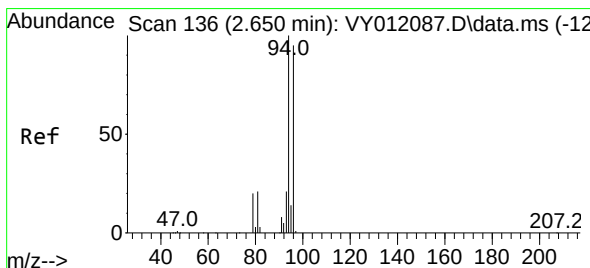
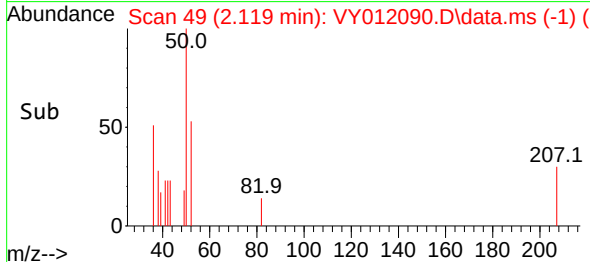
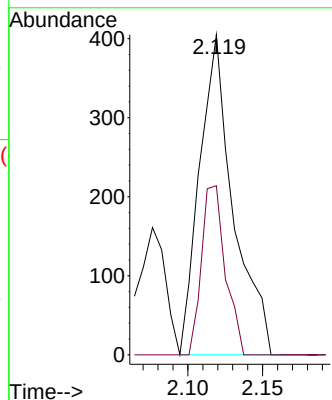
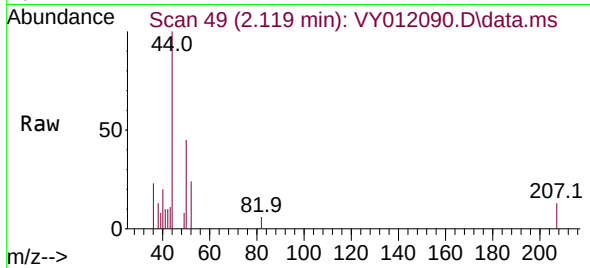




#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

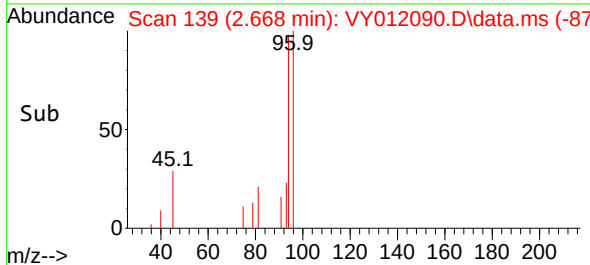
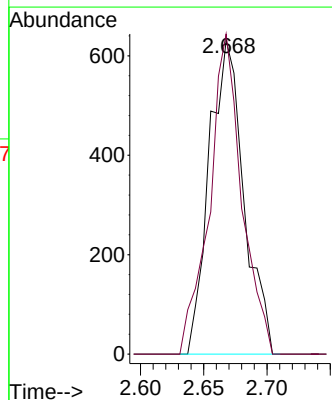
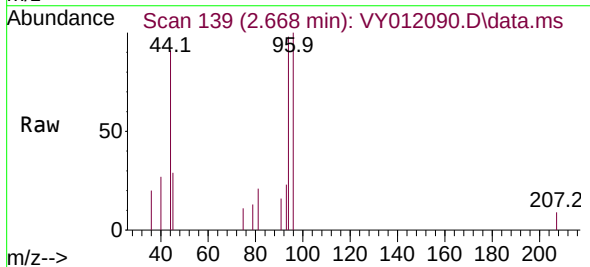
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

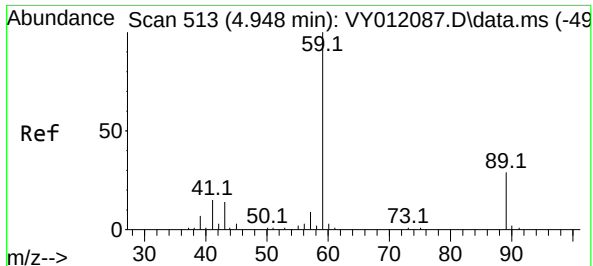
Tgt Ion: 50 Resp: 635  
Ion Ratio Lower Upper  
50 100  
52 52.8 26.8 40.2#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.668 min Scan# 139  
Delta R.T. 0.018 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 94 Resp: 1203  
Ion Ratio Lower Upper  
94 100  
96 102.1 77.4 116.2

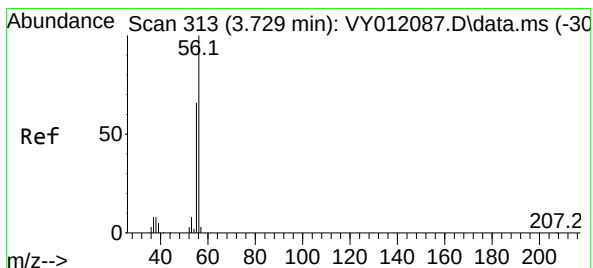
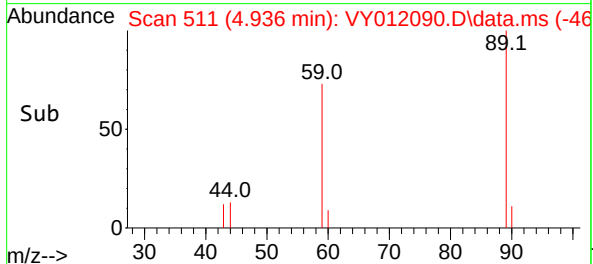
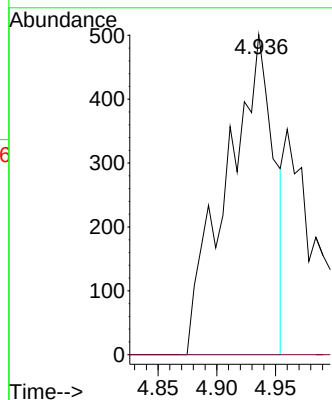
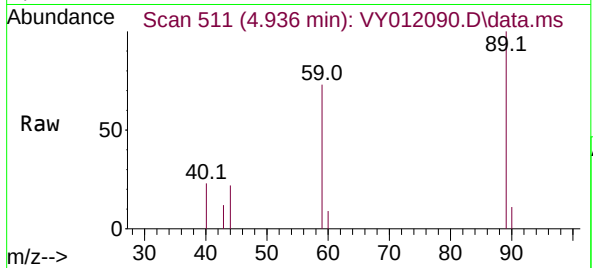




#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.936 min Scan# 513  
Delta R.T. -0.012 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

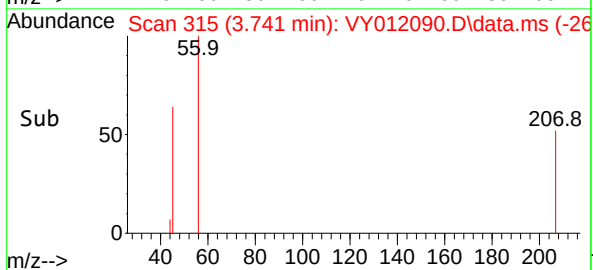
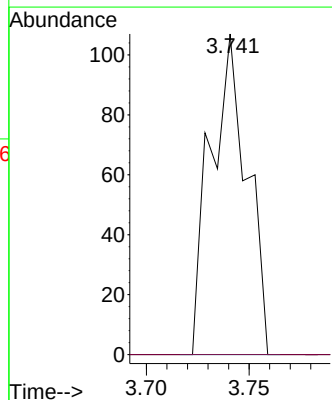
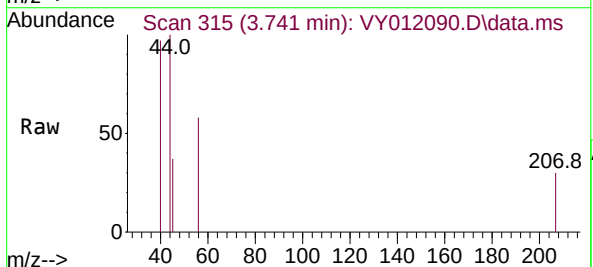
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

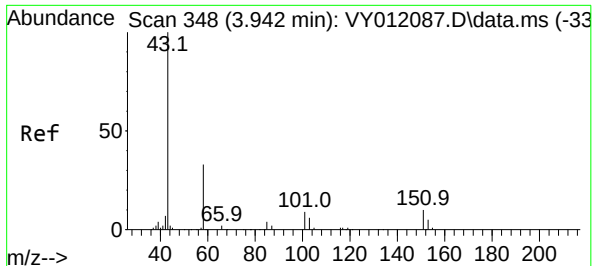
Tgt Ion: 59 Resp: 1399  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#



#13  
Acrolein  
Concen: Below Cal  
RT: 3.741 min Scan# 315  
Delta R.T. 0.012 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 56 Resp: 132  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.6 85.0#

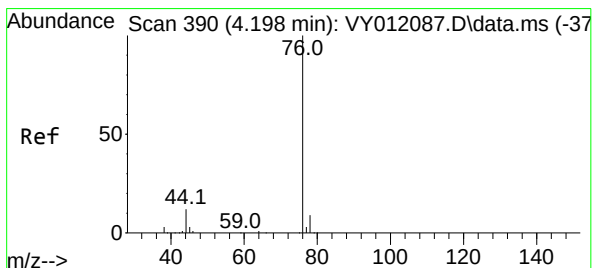
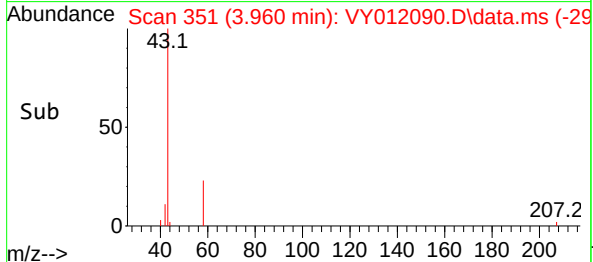
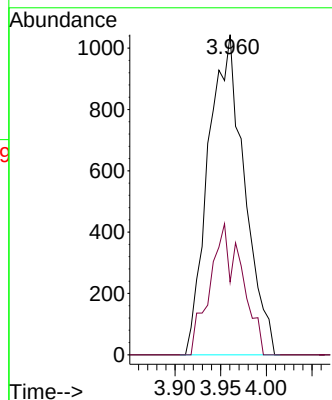
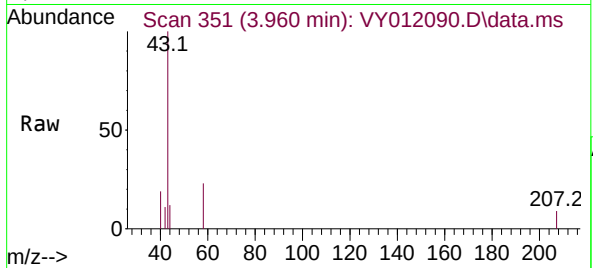




#16  
Acetone  
Concen: 5.279 ug/l  
RT: 3.960 min Scan# 31  
Delta R.T. 0.018 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

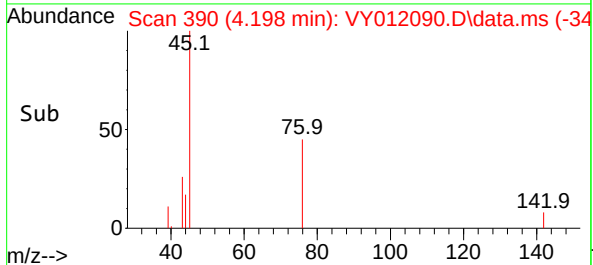
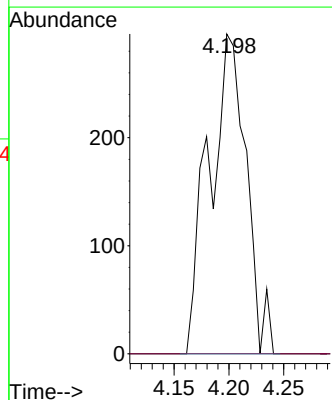
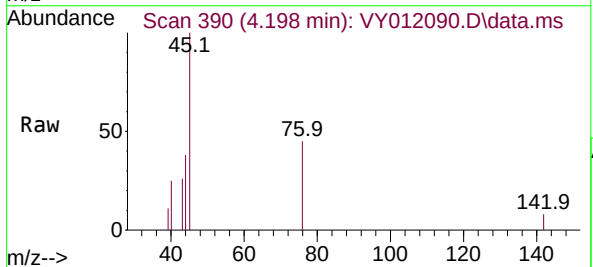
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

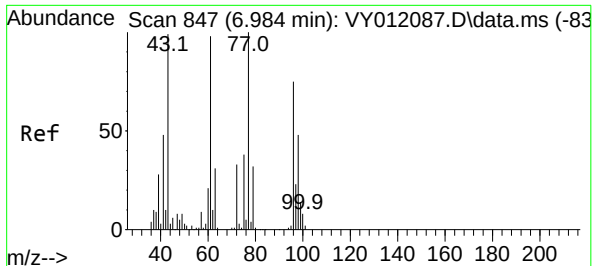
Tgt Ion: 43 Resp: 2857  
Ion Ratio Lower Upper  
43 100  
58 22.7 27.9 41.9#



#17  
Carbon Disulfide  
Concen: Below Cal  
RT: 4.198 min Scan# 390  
Delta R.T. -0.000 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 76 Resp: 697  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

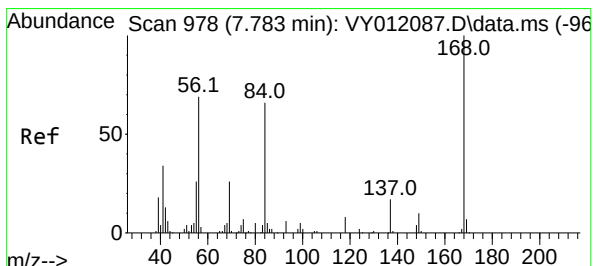
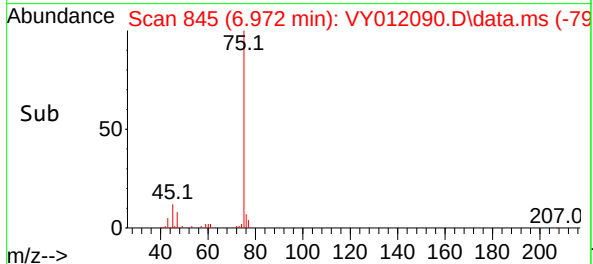
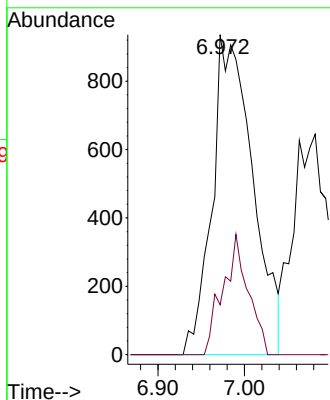
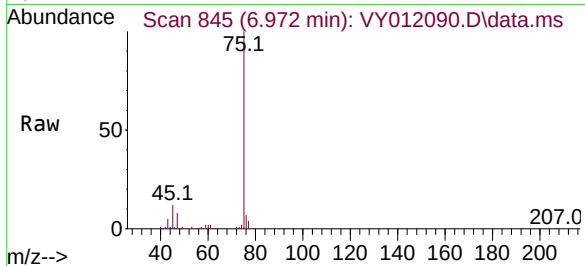




#25  
2-Butanone  
Concen: 4.261 ug/l  
RT: 6.972 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

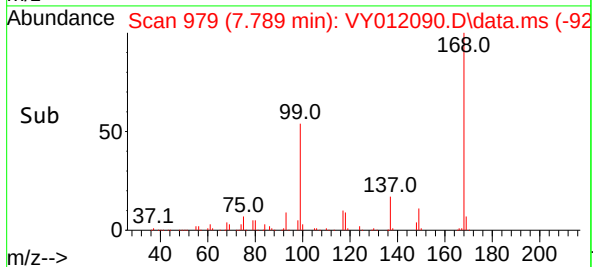
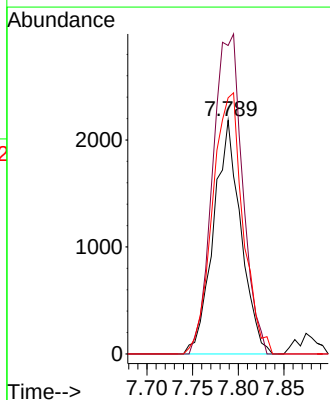
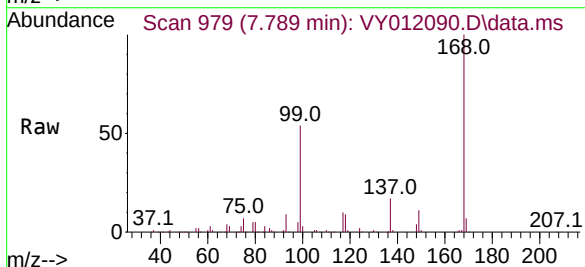
Instrument :  
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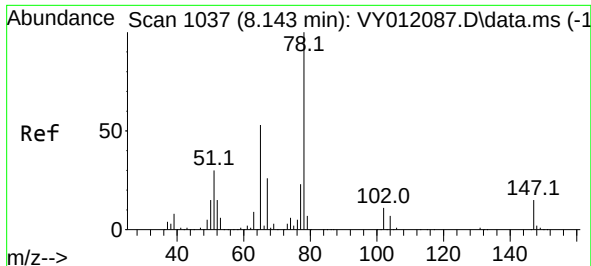
Tgt Ion: 43 Resp: 3043  
Ion Ratio Lower Upper  
43 100  
72 15.6 22.6 34.0#



#31  
Cyclohexane  
Concen: Below Cal  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 56 Resp: 4543  
Ion Ratio Lower Upper  
56 100  
69 132.1 29.2 43.8#  
84 109.7 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 50.495 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY012090.D

Acq: 06 Jan 2023 14:16

Instrument :

MSVOA\_Y

ClientSampleId :

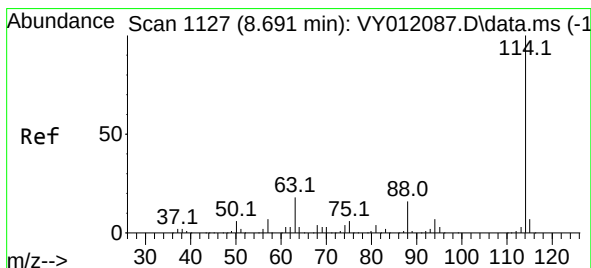
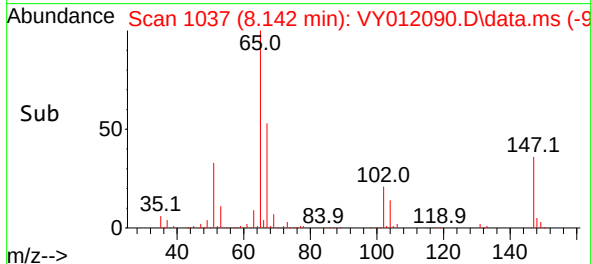
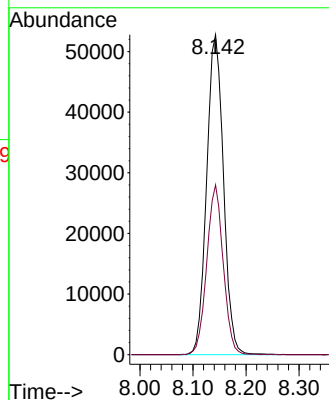
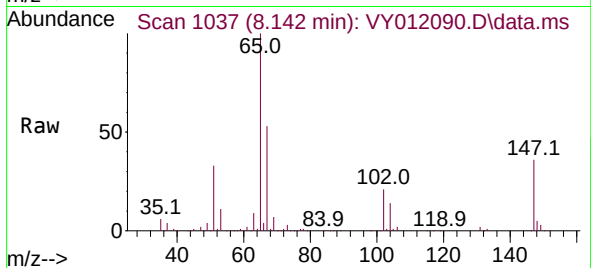
VIBLK

Tgt Ion: 65 Resp: 116179

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012090.D

Acq: 06 Jan 2023 14:16

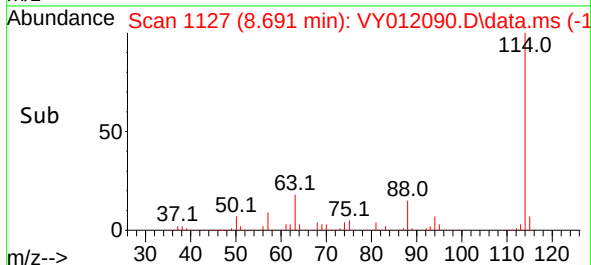
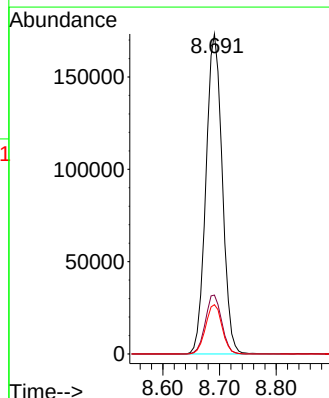
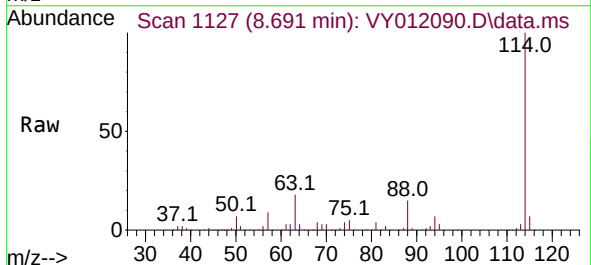
Tgt Ion:114 Resp: 345117

Ion Ratio Lower Upper

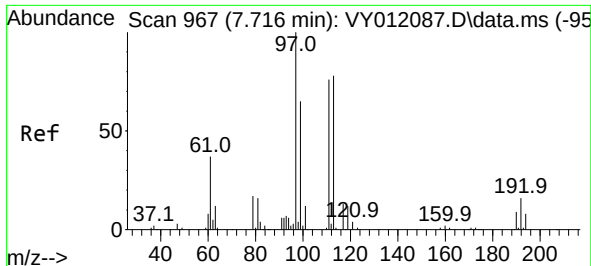
114 100

63 18.4 0.0 39.6

88 15.4 0.0 32.2



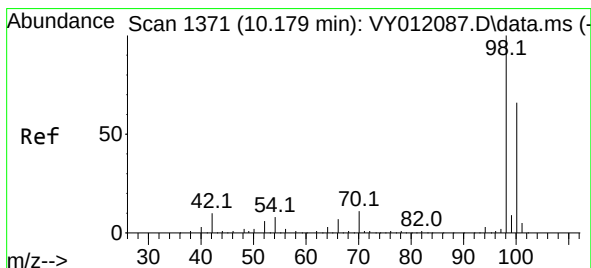
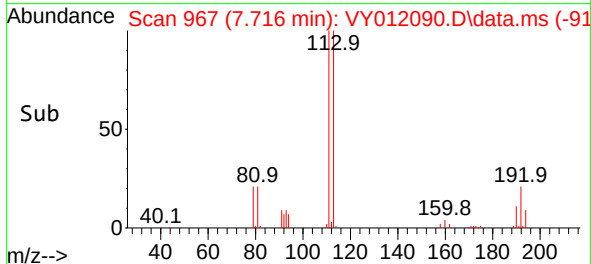
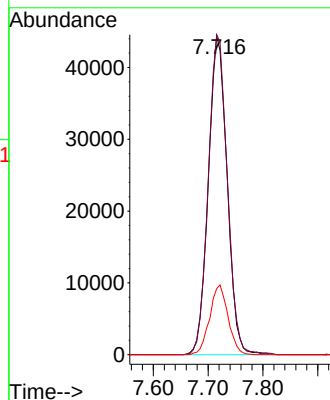
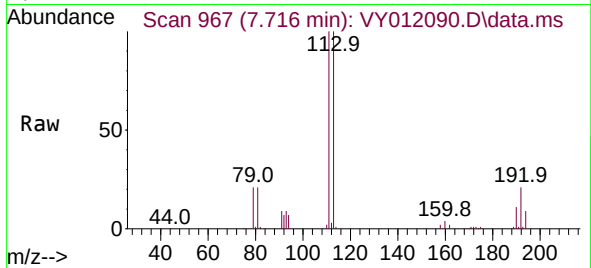




#35  
Dibromofluoromethane  
Concen: 46.438 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

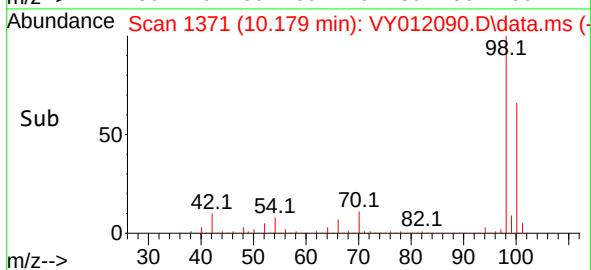
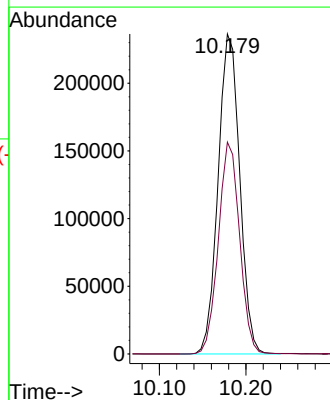
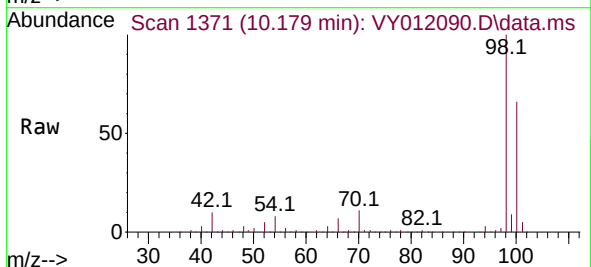
Instrument :  
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ClientSampleId :  
VIBLK

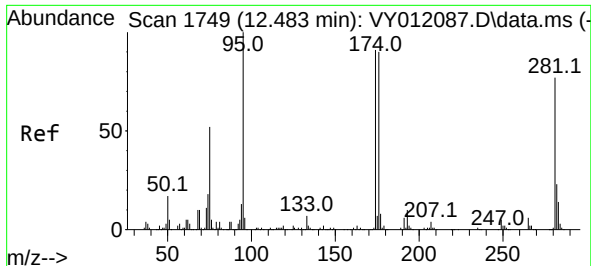
Tgt Ion:113 Resp: 105339  
Ion Ratio Lower Upper  
113 100  
111 102.0 83.0 124.4  
192 21.4 16.0 24.0



#50  
Toluene-d8  
Concen: 45.787 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 98 Resp: 409950  
Ion Ratio Lower Upper  
98 100  
100 65.2 51.9 77.9

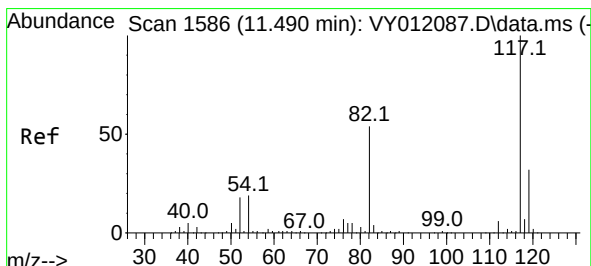
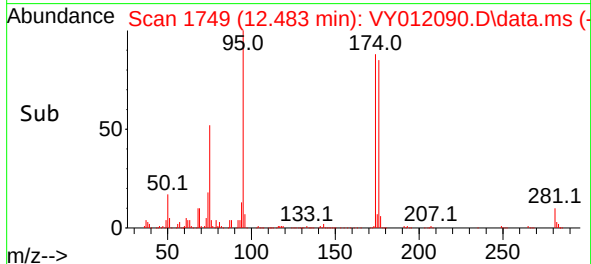
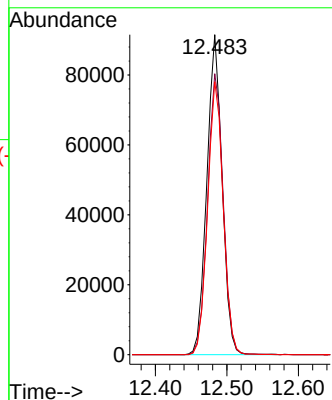
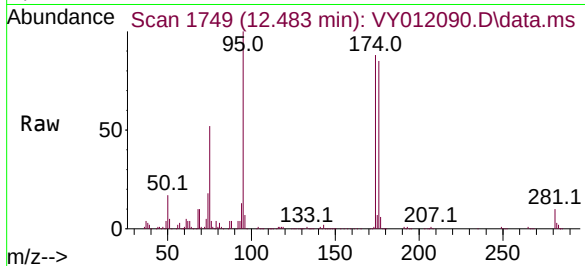




#62  
4-Bromofluorobenzene  
Concen: 43.375 ug/l  
RT: 12.483 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

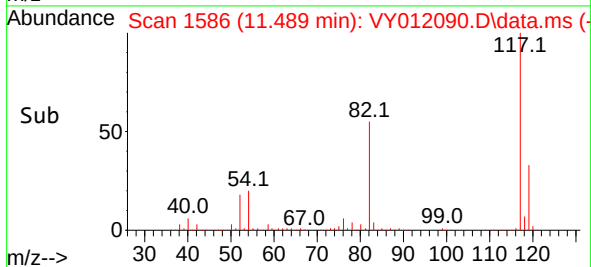
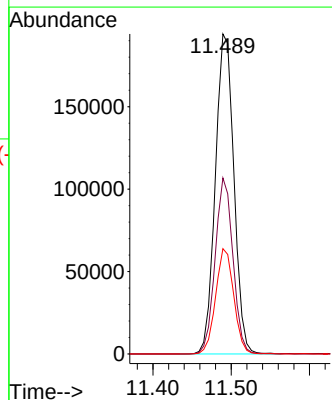
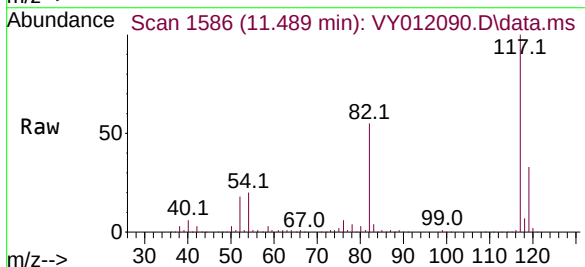
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VIBLK

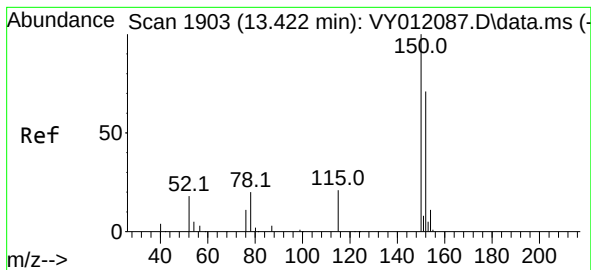
Tgt Ion: 95 Resp: 135746  
Ion Ratio Lower Upper  
95 100  
174 90.5 0.0 172.0  
176 86.9 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.001 min  
Lab File: VY012090.D  
Acq: 06 Jan 2023 14:16

Tgt Ion: 117 Resp: 319856  
Ion Ratio Lower Upper  
117 100  
82 55.0 44.8 67.2  
119 32.9 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012090.D

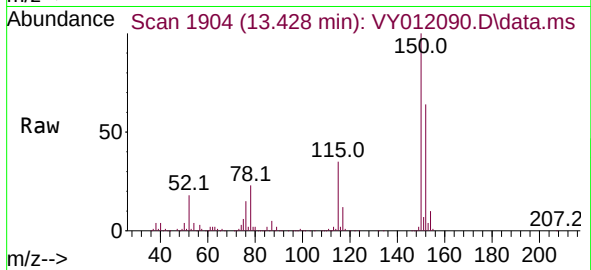
Acq: 06 Jan 2023 14:16

Instrument :

MSVOA\_Y

ClientSampleId :

VIBLK



Tgt Ion:152 Resp: 146851

Ion Ratio Lower Upper

152 100

115 57.1 29.1 87.3

150 156.4 0.0 342.6

