

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011322\  
 Data File : VD071708.D  
 Acq On : 13 Jan 2022 14:22  
 Operator : VA/SY  
 Sample : VIBLK  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Quant Time: Jan 14 04:05:53 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jan 07 15:39:14 2022  
 Response via : Initial Calibration

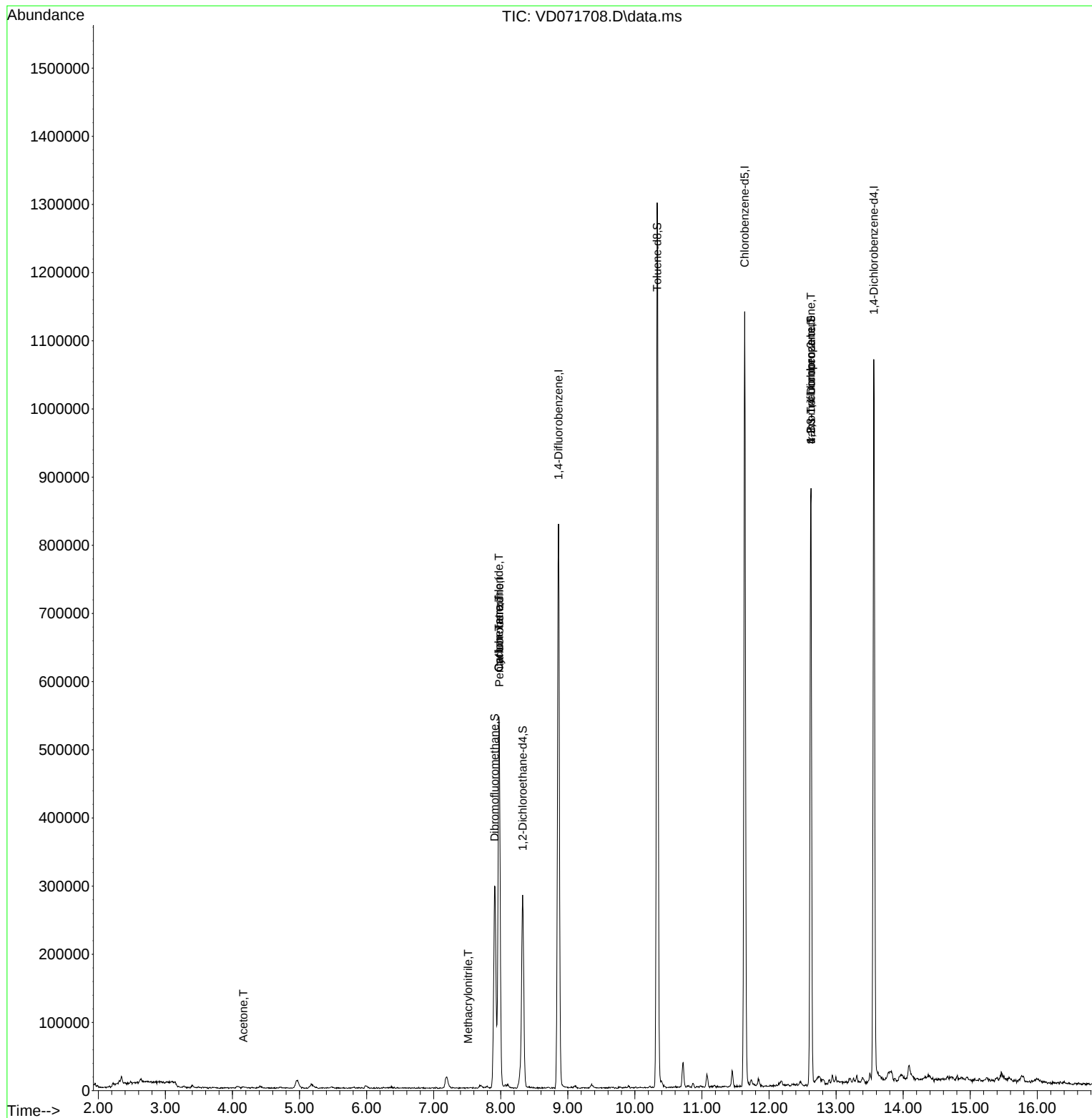
| Compound                      | R.T.   | QIon  | Response | Conc         | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|-------|----------|
| -----                         |        |       |          |              |       |          |
| Internal Standards            |        |       |          |              |       |          |
| 1) Pentafluorobenzene         | 7.979  | 168   | 360293   | 50.000       | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.861  | 114   | 650556   | 50.000       | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.638 | 117   | 584200   | 50.000       | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.561 | 152   | 252361   | 50.000       | ug/l  | 0.00     |
|                               |        |       |          |              |       |          |
| System Monitoring Compounds   |        |       |          |              |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.326  | 65    | 226790   | 48.920       | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery     | =     | 97.840%  |
| 35) Dibromofluoromethane      | 7.909  | 113   | 207903   | 48.357       | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery     | =     | 96.720%  |
| 50) Toluene-d8                | 10.332 | 98    | 828776   | 51.496       | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery     | =     | 103.000% |
| 62) 4-Bromofluorobenzene      | 12.626 | 95    | 256791   | 45.281       | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery     | =     | 90.560%  |
|                               |        |       |          |              |       |          |
| Target Compounds              |        |       |          |              |       |          |
| 2) Dichlorodifluoromethane    | 1.997  | 85    | 991      | Below Cal    |       | 79       |
| 3) Chloromethane              | 2.209  | 50    | 1466     | Below Cal    |       | 93       |
| 5) Bromomethane               | 2.785  | 94    | 1416     | Below Cal    |       | 87       |
| 11) Tert butyl alcohol        | 5.173  | 59    | 5226     | Below Cal    | #     | 75       |
| 16) Acetone                   | 4.162  | 43    | 3239     | 3.026 ug/l   | #     | 49       |
| 18) Methyl Acetate            | 4.726  | 43    | 140      | Below Cal    | #     | 56       |
| 20) Methylene Chloride        | 4.950  | 84    | 3752     | Below Cal    | #     | 74       |
| 31) Cyclohexane               | 7.973  | 56    | 12677    | 2.284 ug/l   | #     | 48       |
| 38) Carbon Tetrachloride      | 7.973  | 117   | 42770    | 6.886 ug/l   | #     | 19       |
| 41) Methacrylonitrile         | 7.514  | 41    | 74       | 1.172 ug/l   | #     | 1        |
| 76) 1,2,3-Trichloropropane    | 12.626 | 75    | 147248   | 60.384 ug/l  | #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.626 | 75    | 147248   | 168.345 ug/l | #     | 3        |
| -----                         |        |       |          |              |       |          |

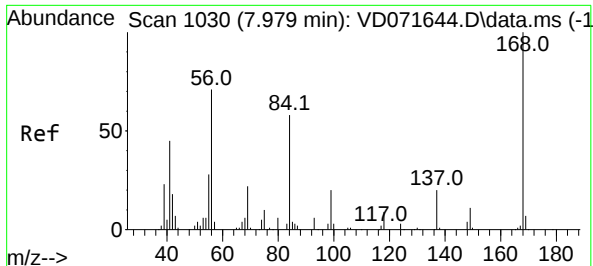
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD011322\  
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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

Quant Time: Jan 14 04:05:53 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D010722S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jan 07 15:39:14 2022  
Response via : Initial Calibration

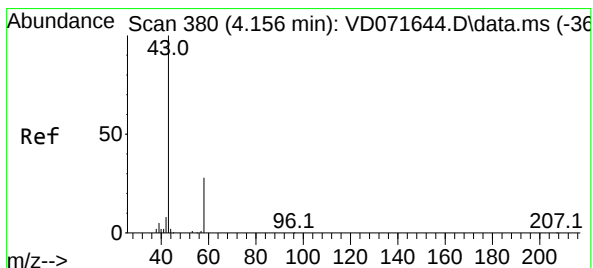
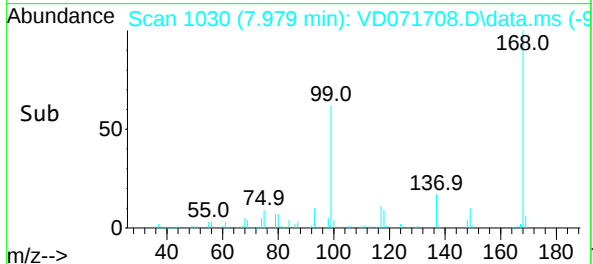
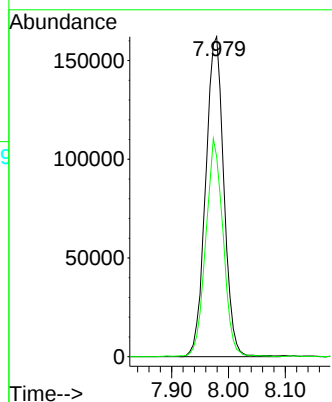
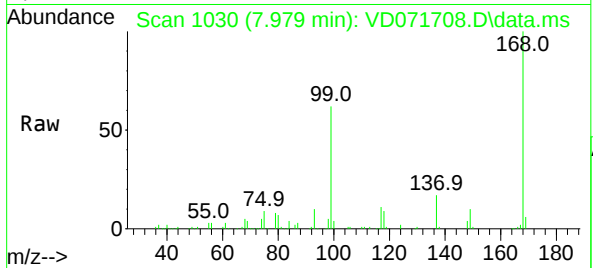




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.979 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

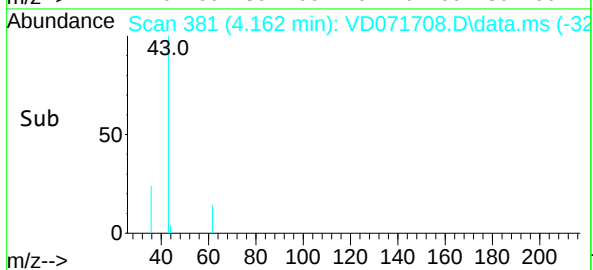
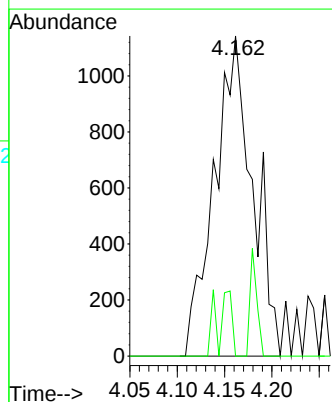
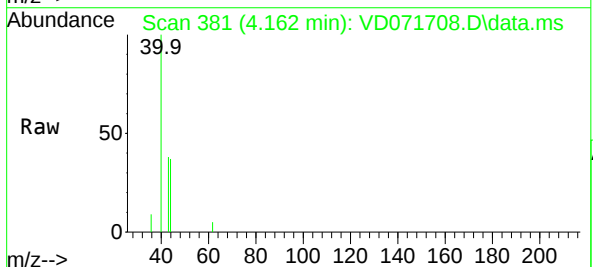
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

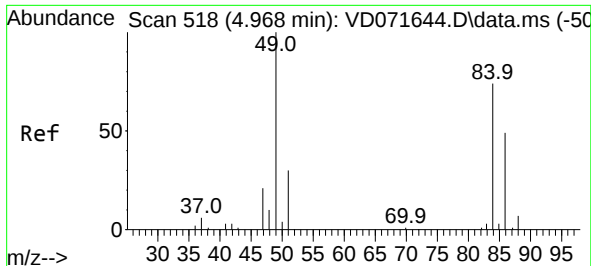
Tgt Ion:168 Resp: 360293  
Ion Ratio Lower Upper  
168 100  
99 62.4 51.8 77.6



#16  
Acetone  
Concen: 3.026 ug/l  
RT: 4.162 min Scan# 381  
Delta R.T. 0.007 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

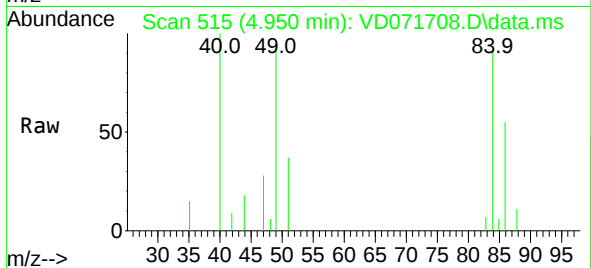
Tgt Ion: 43 Resp: 3239  
Ion Ratio Lower Upper  
43 100  
58 0.0 21.0 31.6#





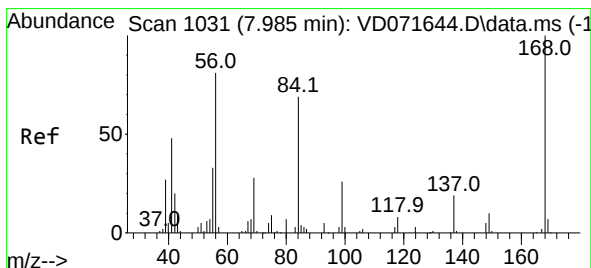
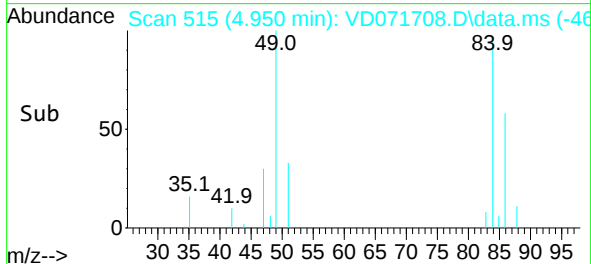
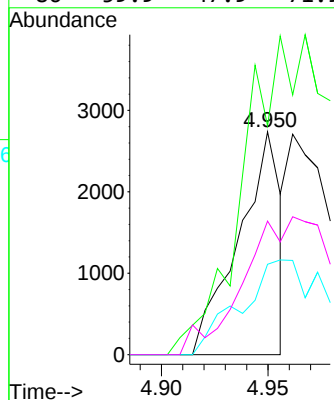
#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.950 min Scan# 518  
Delta R.T. -0.017 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK



Tgt Ion: 84 Resp: 3752

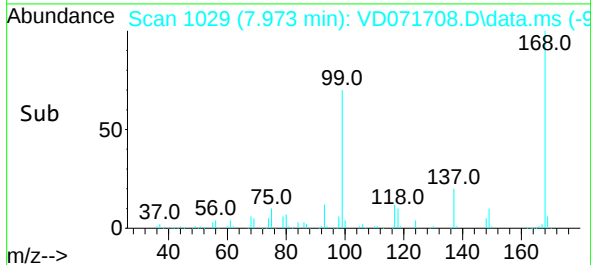
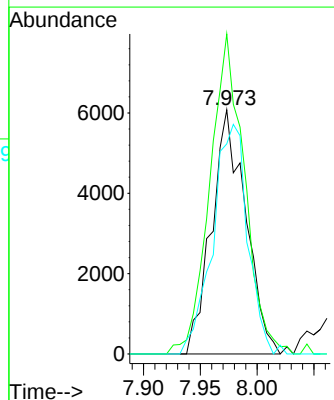
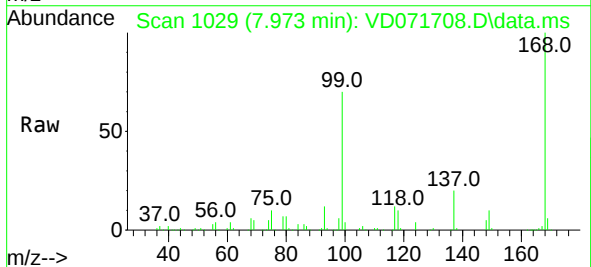
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 95.0  | 118.6 | 178.0# |
| 51  | 40.5  | 37.8  | 56.6   |
| 86  | 59.9  | 47.9  | 71.9   |

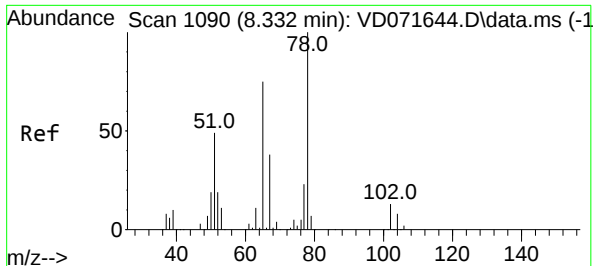


#31  
Cyclohexane  
Concen: 2.284 ug/l  
RT: 7.973 min Scan# 1029  
Delta R.T. -0.017 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

Tgt Ion: 56 Resp: 12677

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 128.1 | 21.7  | 32.5# |
| 84  | 86.1  | 65.7  | 98.5  |





#33

1,2-Dichloroethane-d4

Concen: 48.920 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071708.D

Acq: 13 Jan 2022 14:22

Instrument :

MSVOA\_D

ClientSampleId :

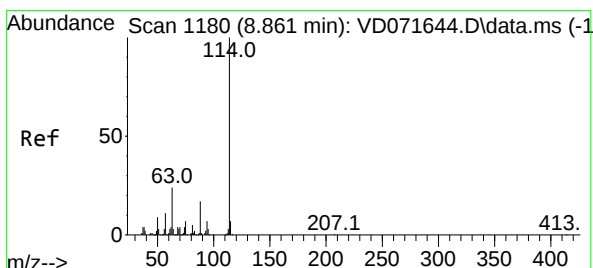
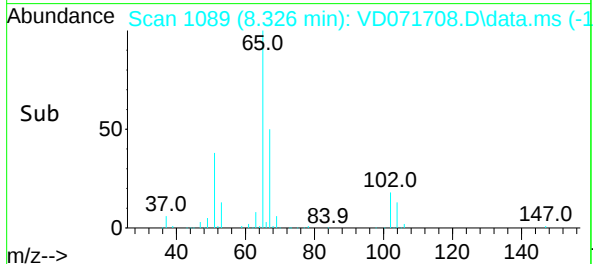
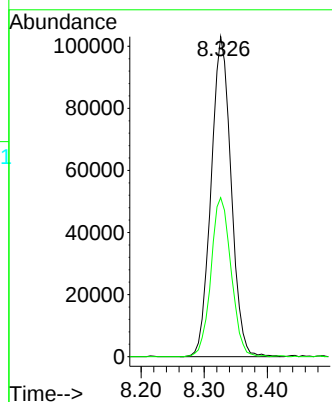
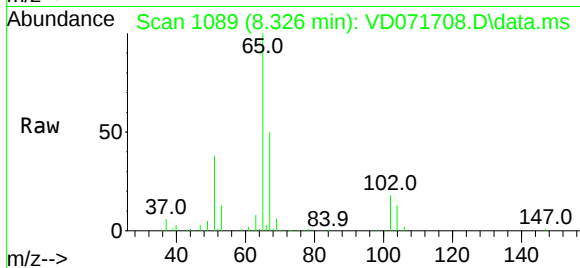
VIBLK

Tgt Ion: 65 Resp: 226790

Ion Ratio Lower Upper

65 100

67 50.1 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071708.D

Acq: 13 Jan 2022 14:22

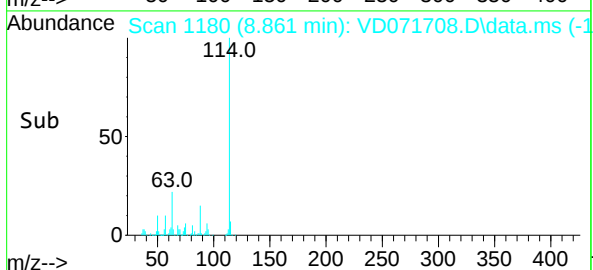
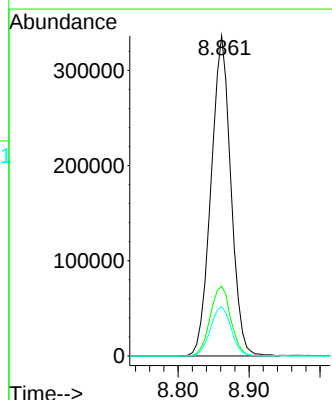
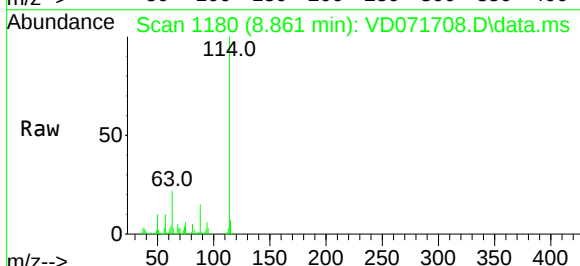
Tgt Ion: 114 Resp: 650556

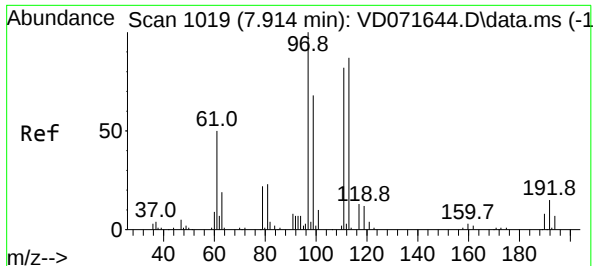
Ion Ratio Lower Upper

114 100

63 21.8 0.0 46.2

88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.357 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD071708.D

Acq: 13 Jan 2022 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

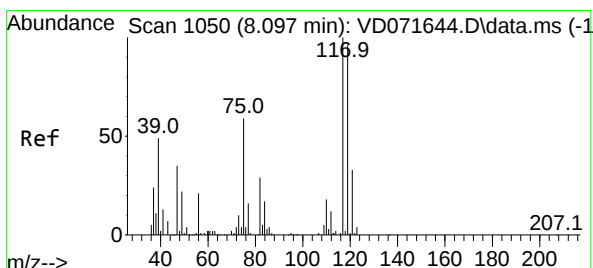
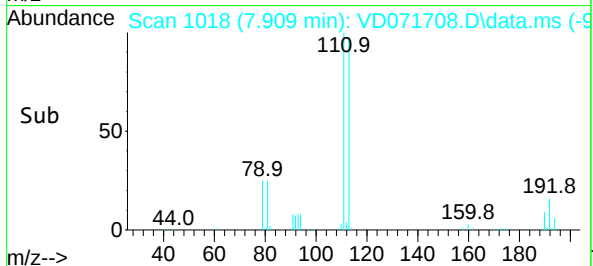
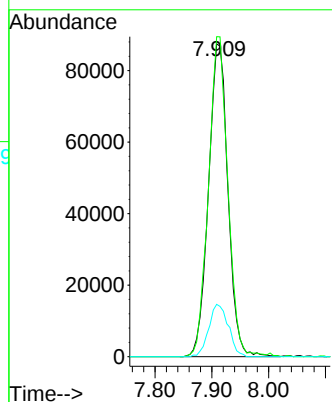
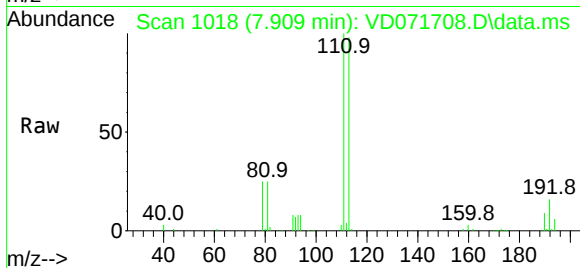
Tgt Ion:113 Resp: 207903

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 16.9 14.2 21.2



#38

Carbon Tetrachloride

Concen: 6.886 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD071708.D

Acq: 13 Jan 2022 14:22

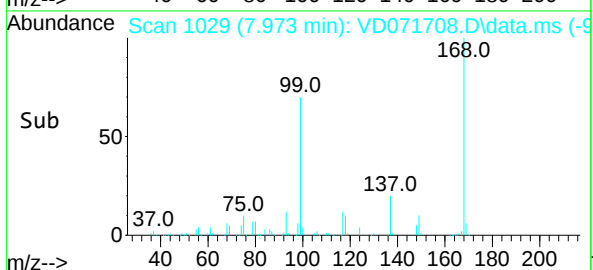
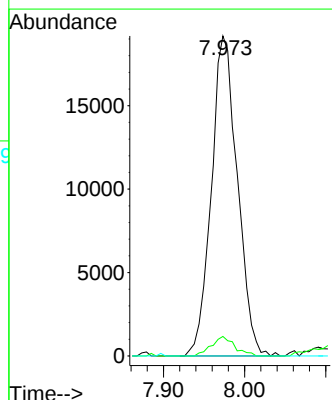
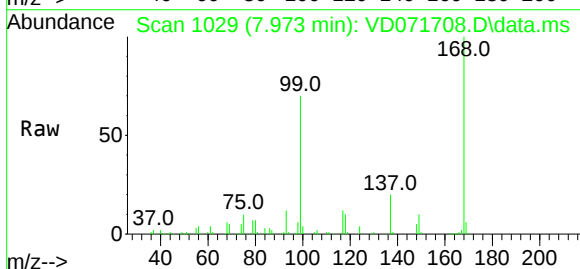
Tgt Ion:117 Resp: 42770

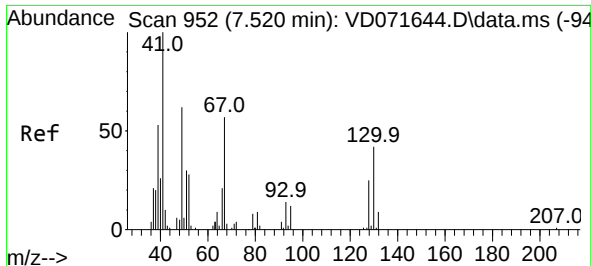
Ion Ratio Lower Upper

117 100

119 6.1 73.4 110.2#

121 0.0 23.9 35.9#

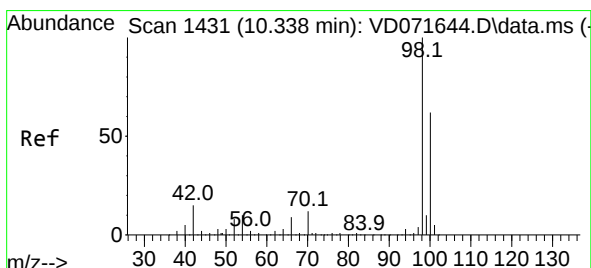
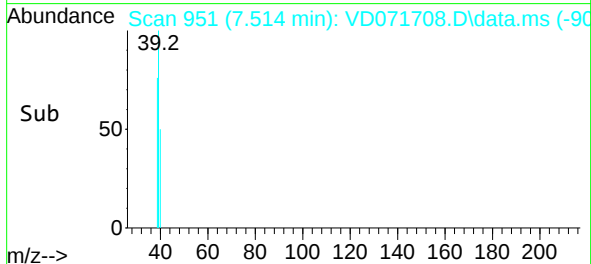
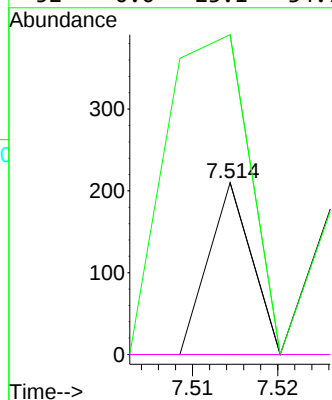
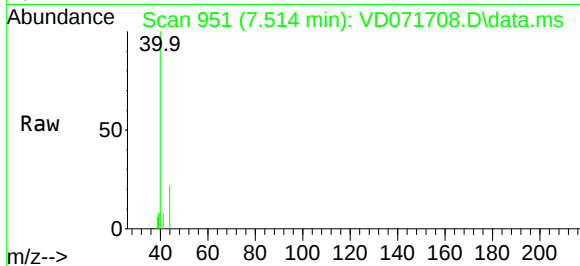




#41  
Methacrylonitrile  
Concen: 1.172 ug/l  
RT: 7.514 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

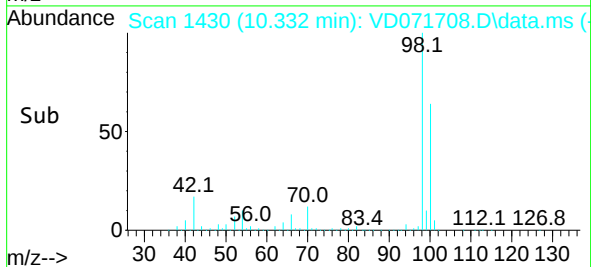
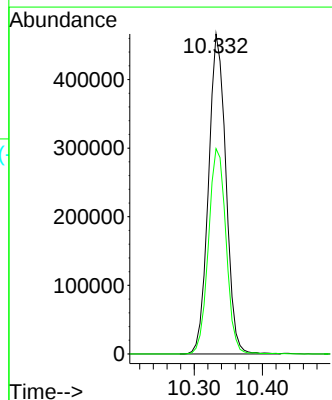
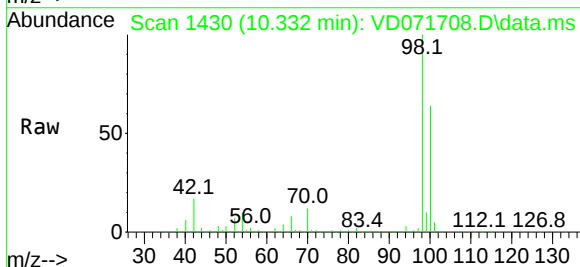
Instrument :  
MSVOA\_D  
ClientSampleId :  
VIBLK

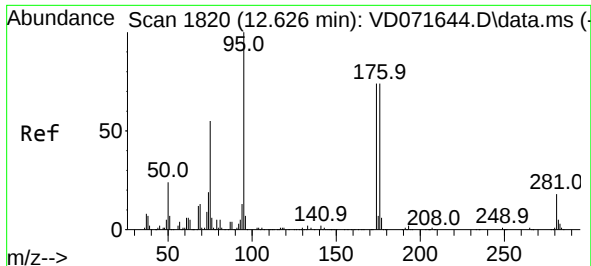
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 74    |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 540.5    | 46.9 70.3#  |
| 67 0.0      | 49.3 73.9#  |
| 52 0.0      | 23.1 34.7#  |



#50  
Toluene-d8  
Concen: 51.496 ug/l  
RT: 10.332 min Scan# 1430  
Delta R.T. -0.005 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

|             |              |
|-------------|--------------|
| Tgt Ion: 98 | Resp: 828776 |
| Ion Ratio   | Lower Upper  |
| 98 100      |              |
| 100 64.8    | 52.1 78.1    |

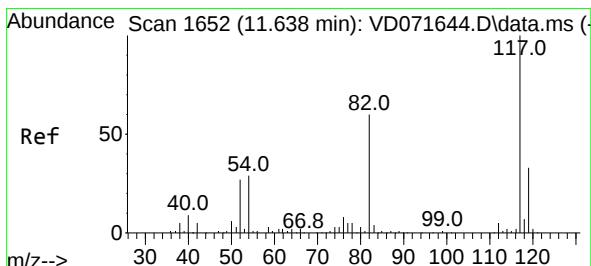
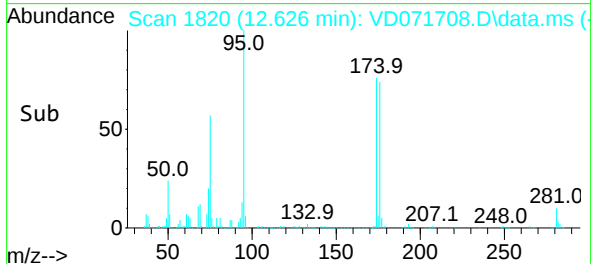
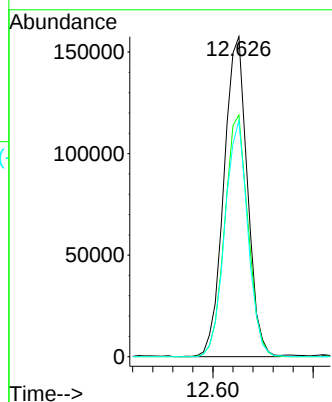
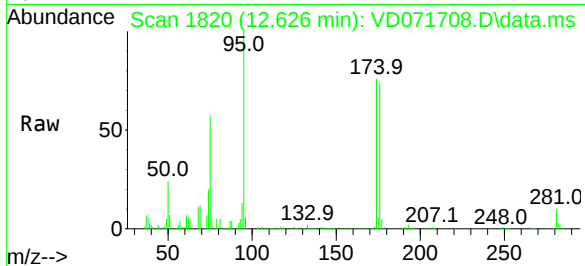




#62  
4-Bromofluorobenzene  
Concen: 45.281 ug/l  
RT: 12.626 min Scan# 1820  
Delta R.T. -0.000 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

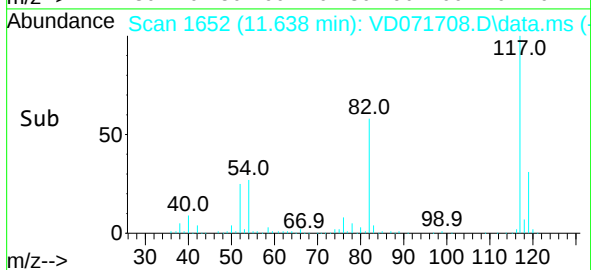
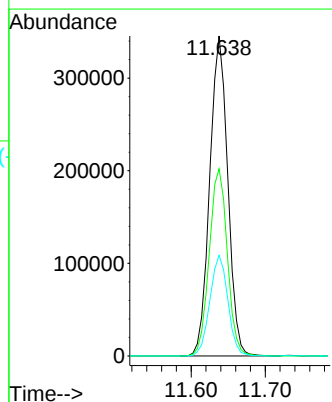
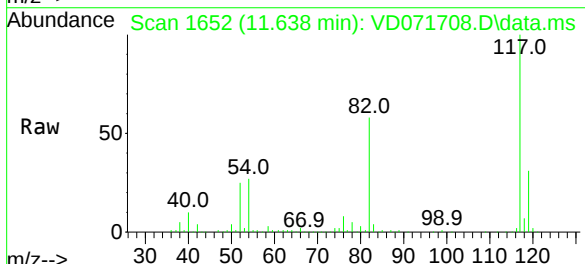
Instrument :  
MSVOA\_D  
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VIBLK

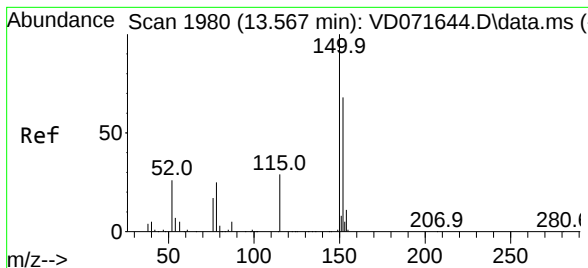
Tgt Ion: 95 Resp: 256791  
Ion Ratio Lower Upper  
95 100  
174 75.1 0.0 150.0  
176 72.0 0.0 146.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.638 min Scan# 1652  
Delta R.T. 0.001 min  
Lab File: VD071708.D  
Acq: 13 Jan 2022 14:22

Tgt Ion: 117 Resp: 584200  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.9 70.3  
119 31.4 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1980

Delta R.T. -0.006 min

Lab File: VD071708.D

Acq: 13 Jan 2022 14:22

Instrument :

MSVOA\_D

ClientSampleId :

VIBLK

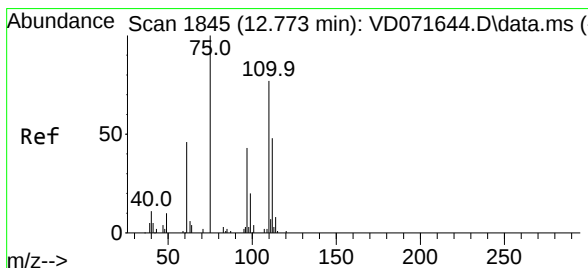
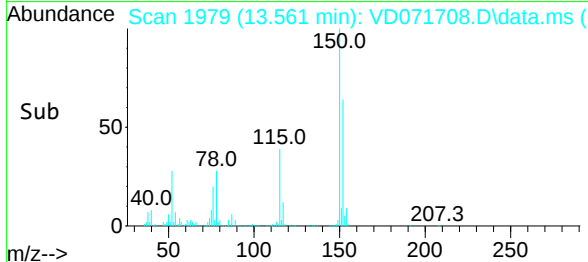
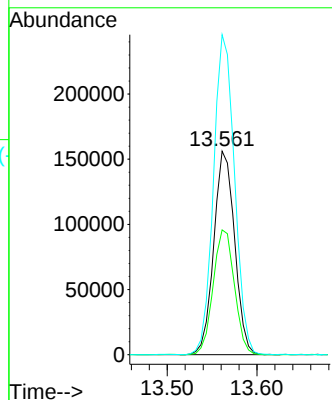
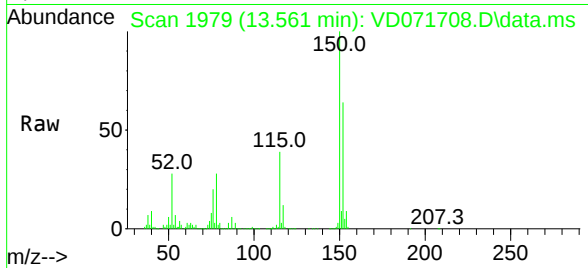
Tgt Ion:152 Resp: 252361

Ion Ratio Lower Upper

152 100

115 62.4 31.5 94.5

150 158.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 60.384 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD071708.D

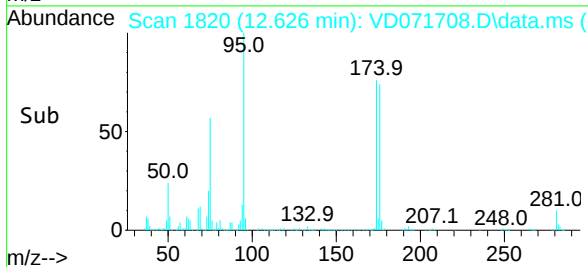
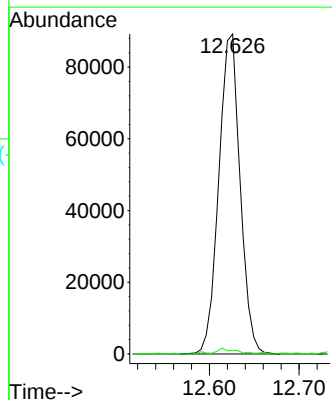
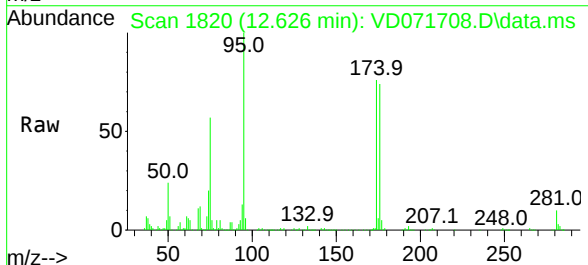
Acq: 13 Jan 2022 14:22

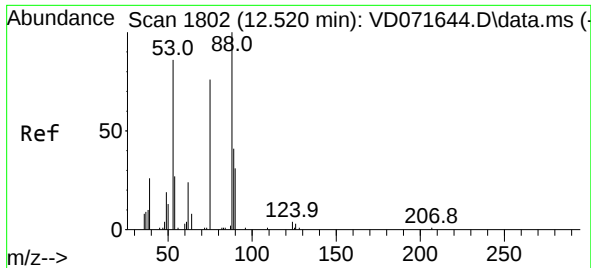
Tgt Ion: 75 Resp: 147248

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 168.345 ug/l  
 RT: 12.626 min Scan# 11  
 Delta R.T. 0.106 min  
 Lab File: VD071708.D  
 Acq: 13 Jan 2022 14:22

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VIBLK

Tgt Ion: 75 Resp: 147248  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 95.4 143.0#  
 89 0.3 37.2 55.8#

