

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110722\  
 Data File : VD074763.D  
 Acq On : 07 Nov 2022 16:05  
 Operator : VA/SY  
 Sample : N5494-07  
 Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 SB-16

Quant Time: Nov 08 00:22:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 03 02:30:45 2022  
 Response via : Initial Calibration

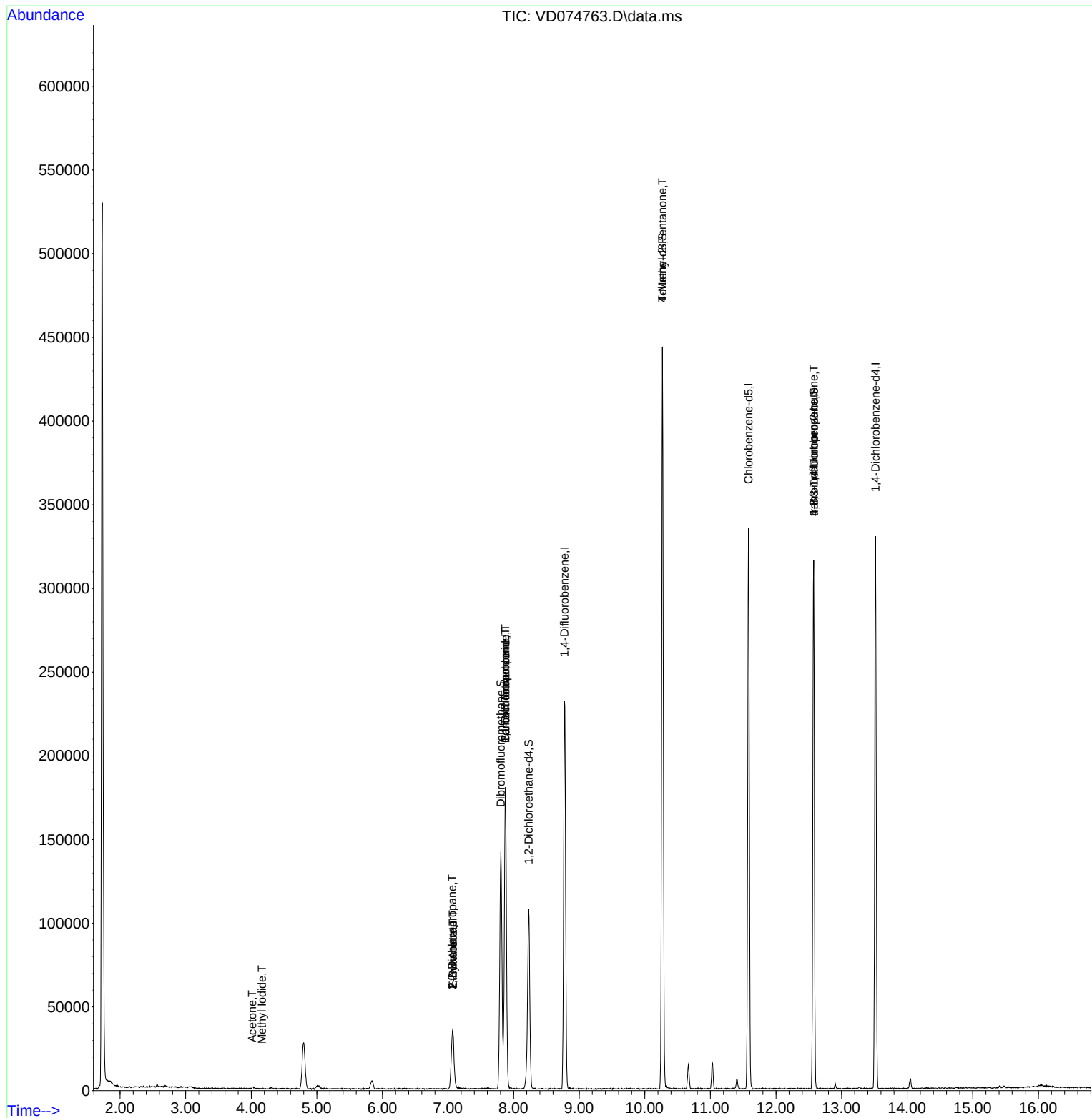
| Compound                      | R.T.   | QIon  | Response | Conc      | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|-------------|----------|
| -----                         |        |       |          |           |             |          |
| Internal Standards            |        |       |          |           |             |          |
| 1) Pentafluorobenzene         | 7.875  | 168   | 148561   | 50.000    | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775  | 114   | 226776   | 50.000    | ug/l        | 0.00     |
| 63) Chlorobenzene-d5          | 11.581 | 117   | 208992   | 50.000    | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 94103    | 50.000    | ug/l        | 0.00     |
| System Monitoring Compounds   |        |       |          |           |             |          |
| 33) 1,2-Dichloroethane-d4     | 8.228  | 65    | 80841    | 68.705    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 137.420%  |          |
| 35) Dibromofluoromethane      | 7.805  | 113   | 104007   | 77.532    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 155.060%# |          |
| 50) Toluene-d8                | 10.269 | 98    | 317071   | 64.797    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 129.600%  |          |
| 62) 4-Bromofluorobenzene      | 12.575 | 95    | 95467    | 67.570    | ug/l        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 135.140%  |          |
| Target Compounds              |        |       |          |           |             |          |
|                               |        |       |          |           | Qvalue      |          |
| 10) Methyl Iodide             | 4.164  | 142   | 353      | 5.710     | ug/l #      | 61       |
| 11) Tert butyl alcohol        | 5.017  | 59    | 2292     | Below Cal | #           | 84       |
| 16) Acetone                   | 4.017  | 43    | 2138     | 8.707     | ug/l        | 98       |
| 25) 2-Butanone                | 7.075  | 43    | 1867     | 5.530     | ug/l #      | 42       |
| 26) 2,2-Dichloropropane       | 7.063  | 77    | 2857     | 1.161     | ug/l #      | 50       |
| 36) 1,1-Dichloropropene       | 7.875  | 75    | 10424    | 5.119     | ug/l #      | 45       |
| 37) Ethyl Acetate             | 7.075  | 43    | 1867     | 2.749     | ug/l #      | 1        |
| 38) Carbon Tetrachloride      | 7.875  | 117   | 13720    | 7.112     | ug/l #      | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.269 | 43    | 958      | 1.563     | ug/l #      | 1        |
| 76) 1,2,3-Trichloropropane    | 12.575 | 75    | 48589    | 66.607    | ug/l #      | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.575 | 75    | 48589    | 158.108   | ug/l #      | 17       |
| -----                         |        |       |          |           |             |          |

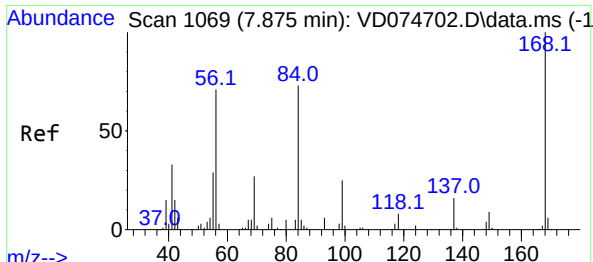
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110722\  
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Sample : N5494-07  
Misc : 5.08G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-16

Quant Time: Nov 08 00:22:03 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D110222S.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 03 02:30:45 2022  
Response via : Initial Calibration

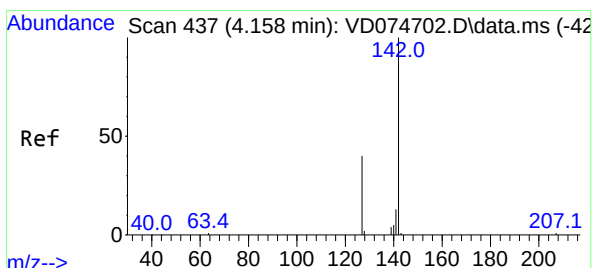
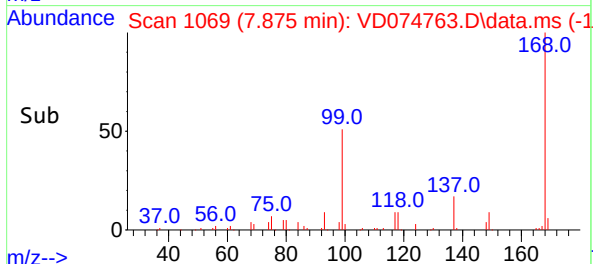
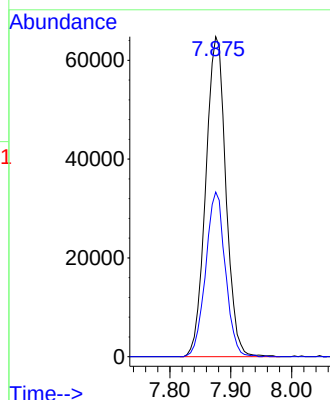
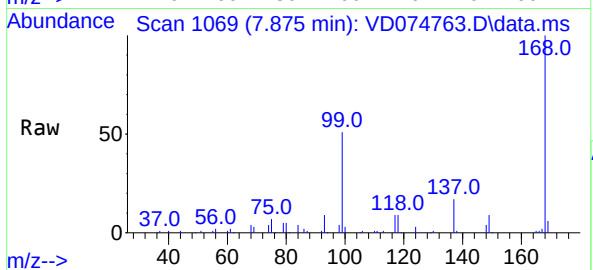




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

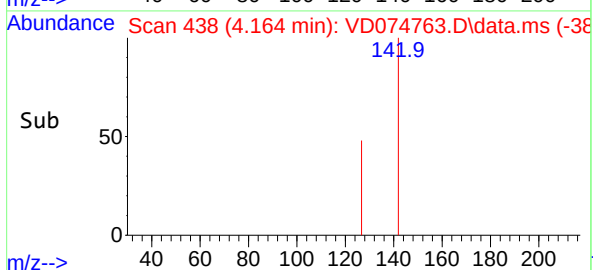
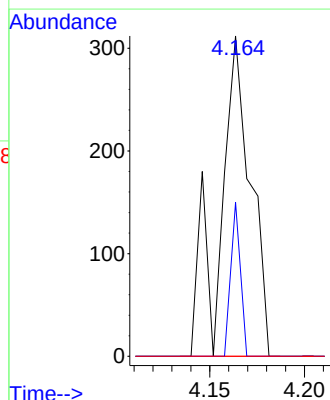
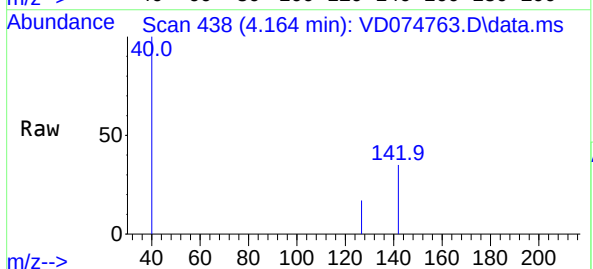
Instrument :  
MSVOA\_D  
ClientSampleId :  
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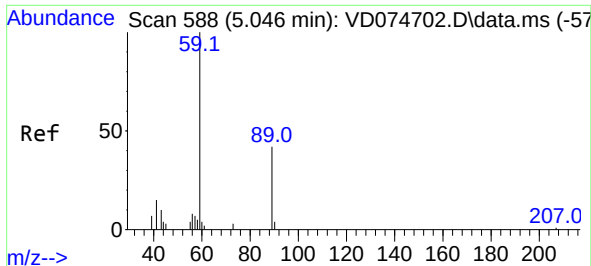
Tgt Ion:168 Resp: 148561  
Ion Ratio Lower Upper  
168 100  
99 51.5 40.9 61.3



#10  
Methyl Iodide  
Concen: 5.710 ug/l  
RT: 4.164 min Scan# 438  
Delta R.T. 0.006 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

Tgt Ion:142 Resp: 353  
Ion Ratio Lower Upper  
142 100  
127 15.0 31.9 47.9#  
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.017 min Scan# 51

Delta R.T. -0.029 min

Lab File: VD074763.D

Acq: 07 Nov 2022 16:05

Instrument :

MSVOA\_D

ClientSampleId :

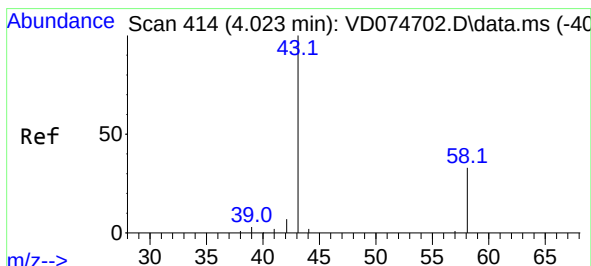
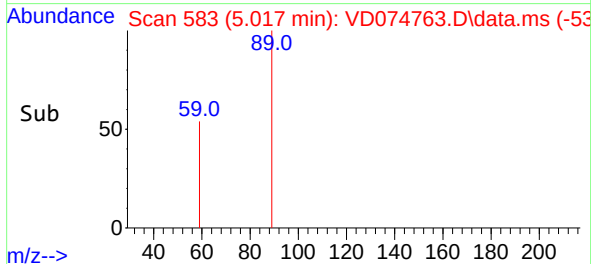
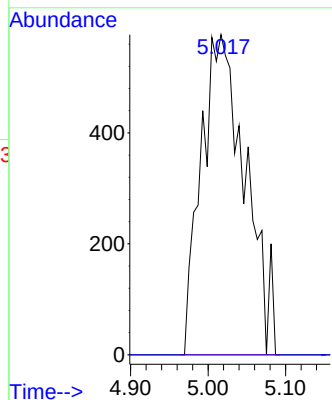
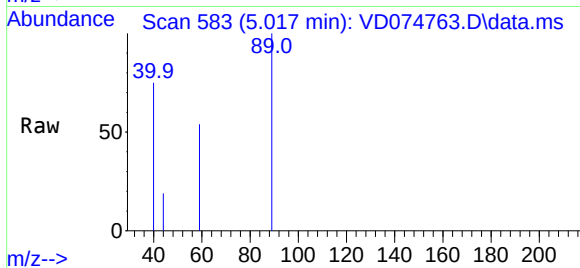
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Tgt Ion: 59 Resp: 2292

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 8.707 ug/l

RT: 4.017 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD074763.D

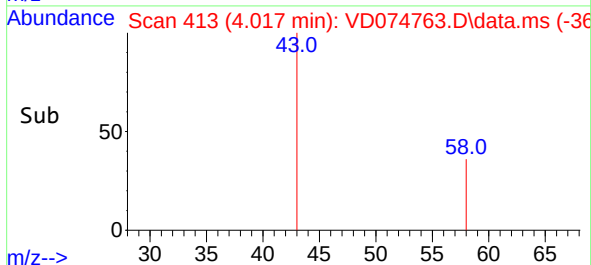
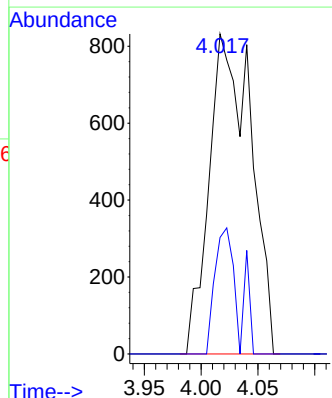
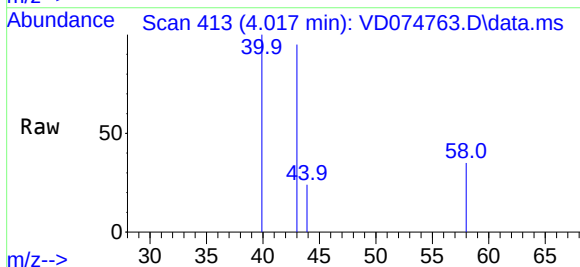
Acq: 07 Nov 2022 16:05

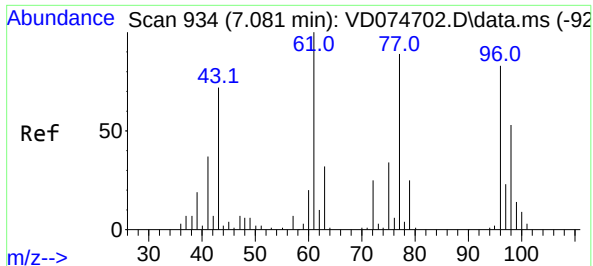
Tgt Ion: 43 Resp: 2138

Ion Ratio Lower Upper

43 100

58 36.4 30.2 45.2

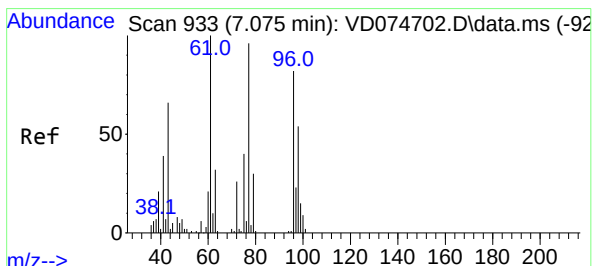
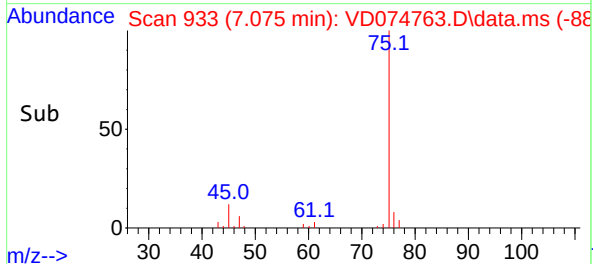
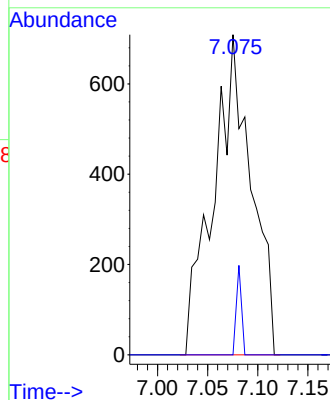
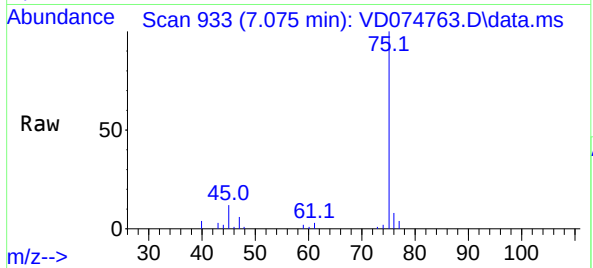




#25  
2-Butanone  
Concen: 5.530 ug/l  
RT: 7.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

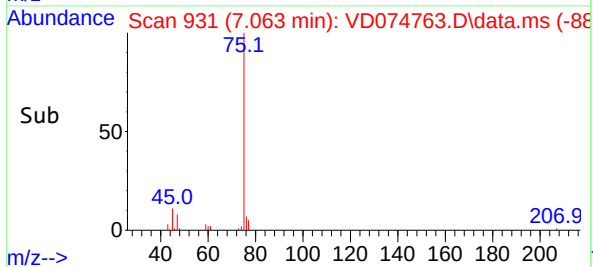
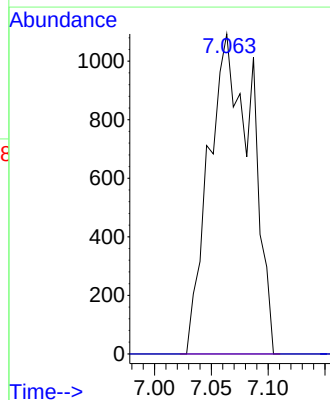
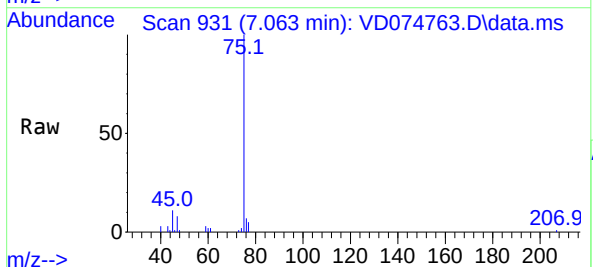
Instrument :  
MSVOA\_D  
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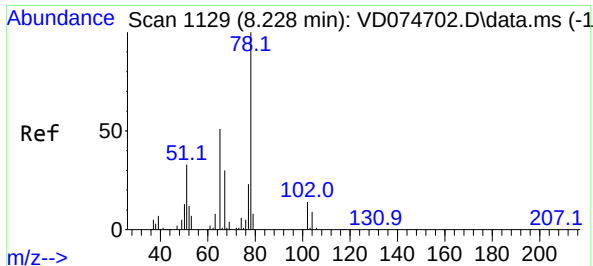
Tgt Ion: 43 Resp: 1867  
Ion Ratio Lower Upper  
43 100  
72 0.0 25.8 38.8#



#26  
2,2-Dichloropropane  
Concen: 1.161 ug/l  
RT: 7.063 min Scan# 931  
Delta R.T. -0.012 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

Tgt Ion: 77 Resp: 2857  
Ion Ratio Lower Upper  
77 100  
97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 68.705 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074763.D

Acq: 07 Nov 2022 16:05

Instrument :

MSVOA\_D

ClientSampleId :

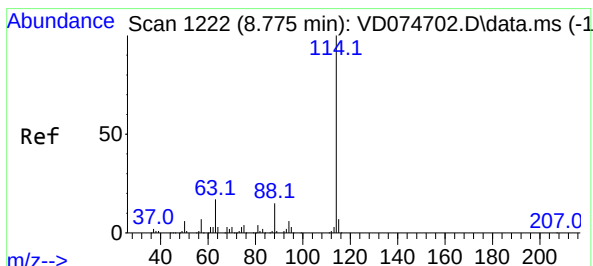
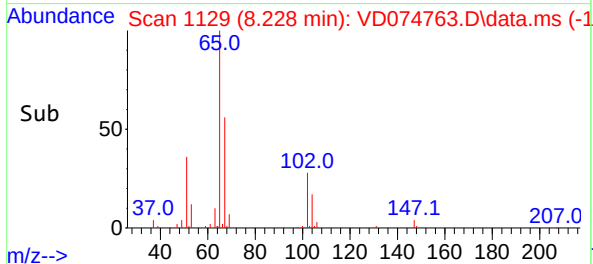
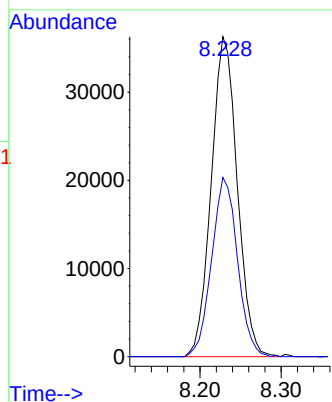
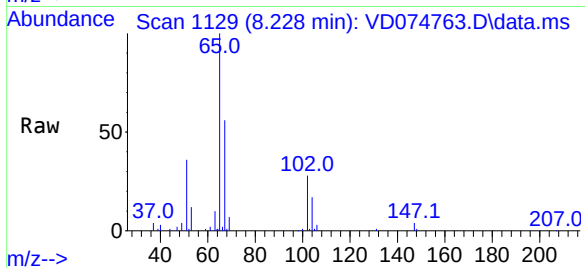
SB-16

Tgt Ion: 65 Resp: 80841

Ion Ratio Lower Upper

65 100

67 55.6 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074763.D

Acq: 07 Nov 2022 16:05

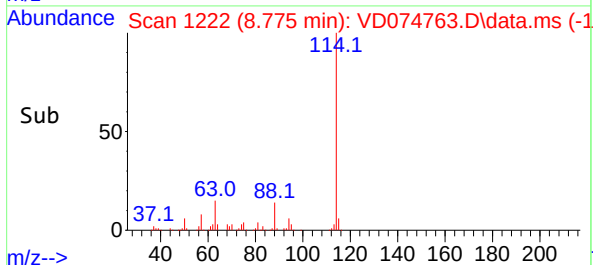
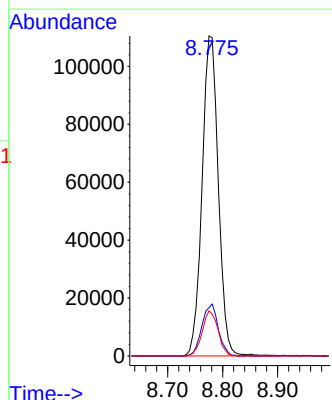
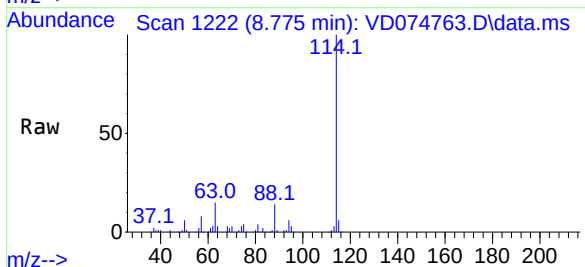
Tgt Ion: 114 Resp: 226776

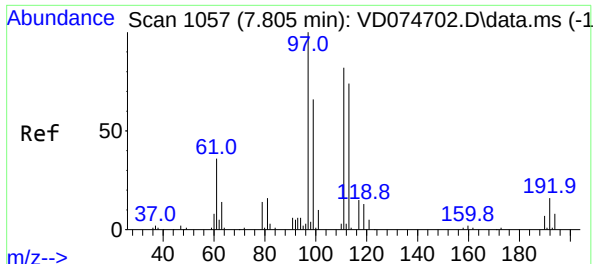
Ion Ratio Lower Upper

114 100

63 15.1 0.0 33.2

88 14.1 0.0 28.2

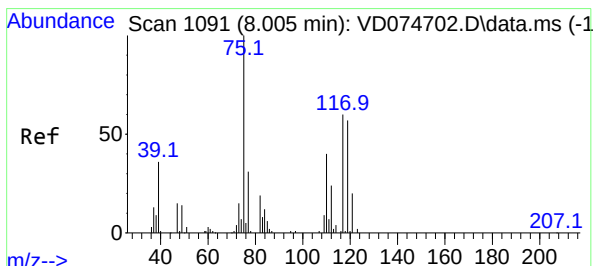
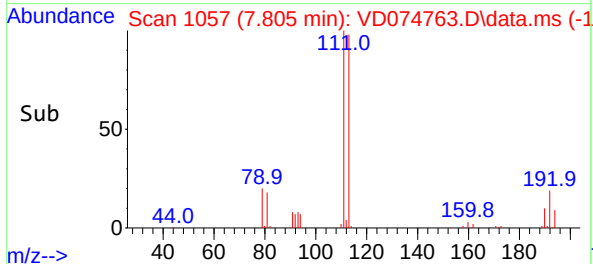
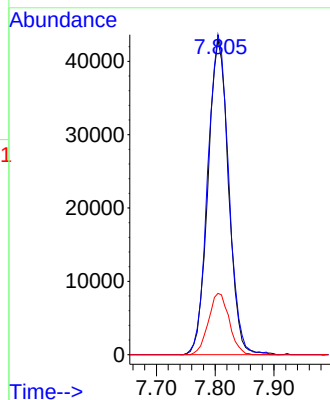
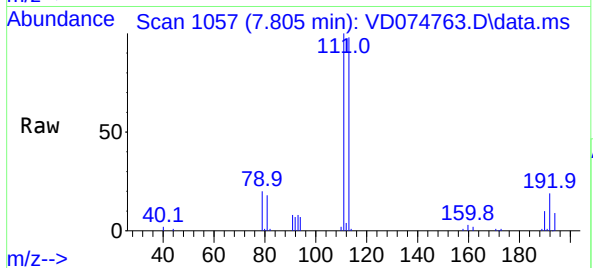




#35  
Dibromofluoromethane  
Concen: 77.532 ug/l  
RT: 7.805 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

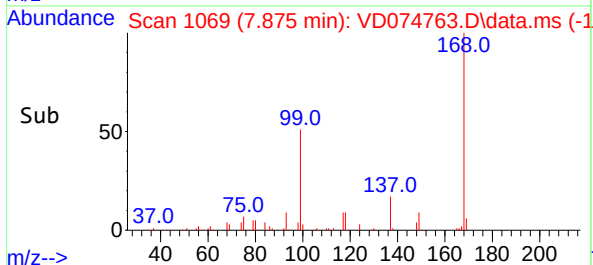
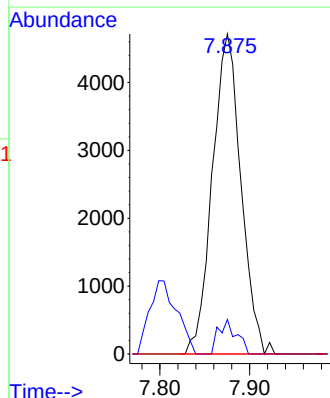
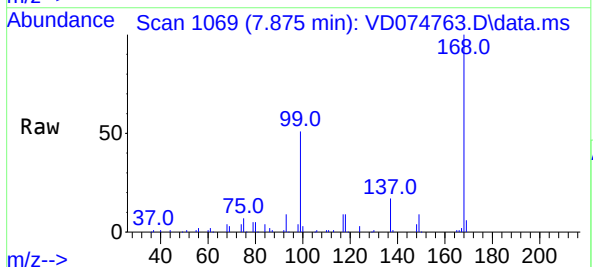
Instrument :  
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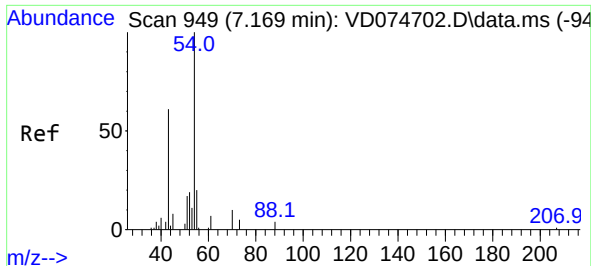
Tgt Ion:113 Resp: 104007  
Ion Ratio Lower Upper  
113 100  
111 103.7 82.3 123.5  
192 19.7 16.4 24.6



#36  
1,1-Dichloropropene  
Concen: 5.119 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.130 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

Tgt Ion: 75 Resp: 10424  
Ion Ratio Lower Upper  
75 100  
110 6.7 19.7 59.0#  
77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 2.749 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD074763.D

Acq: 07 Nov 2022 16:05

Instrument :

MSVOA\_D

ClientSampleId :

SB-16

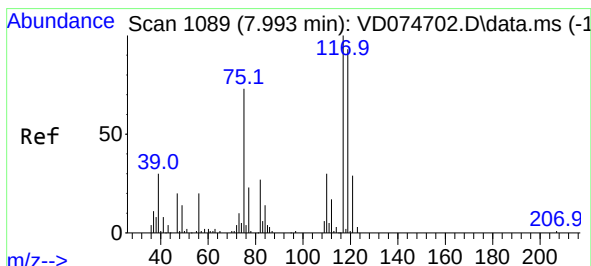
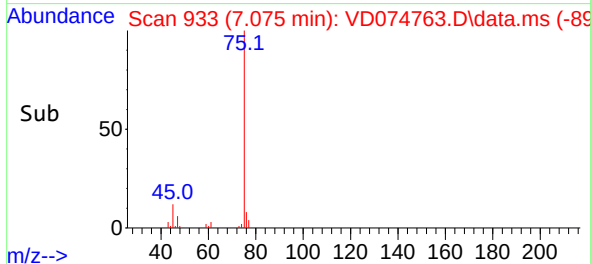
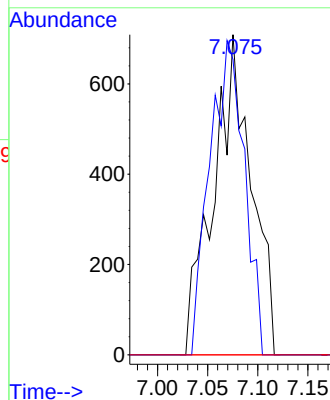
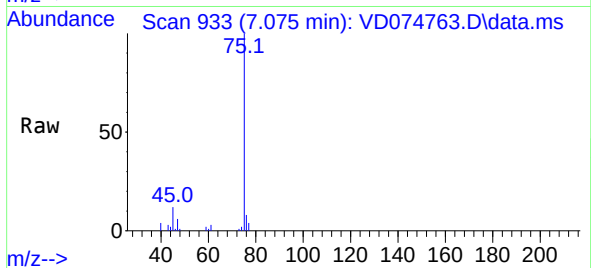
Tgt Ion: 43 Resp: 1867

Ion Ratio Lower Upper

43 100

61 89.3 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 7.112 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074763.D

Acq: 07 Nov 2022 16:05

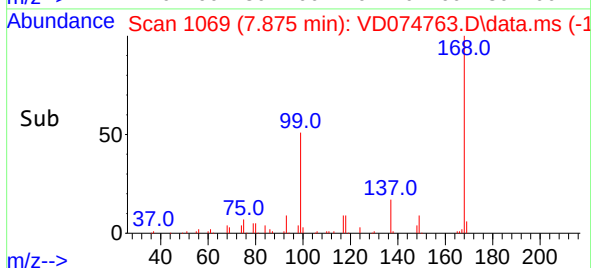
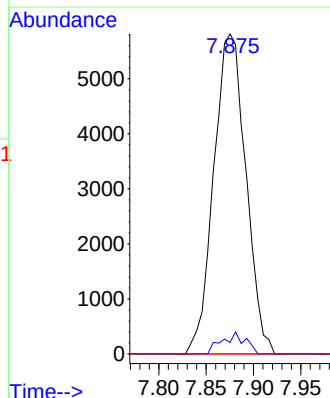
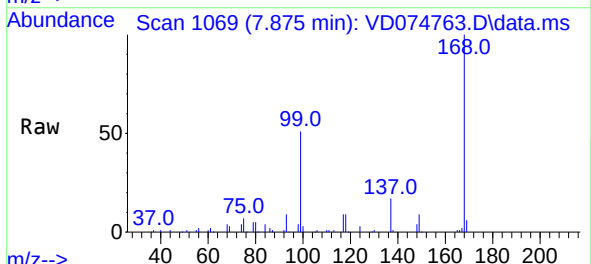
Tgt Ion: 117 Resp: 13720

Ion Ratio Lower Upper

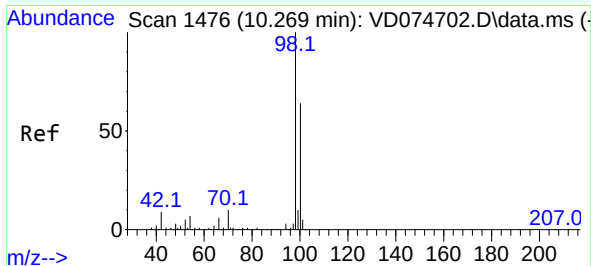
117 100

119 3.6 73.1 109.7#

121 0.0 25.0 37.6#



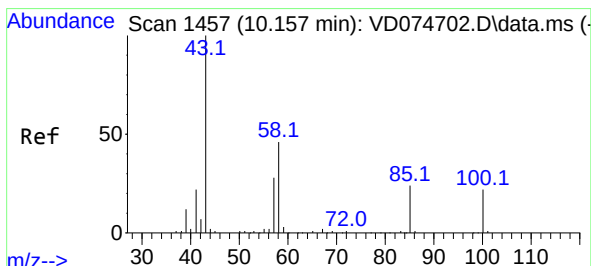
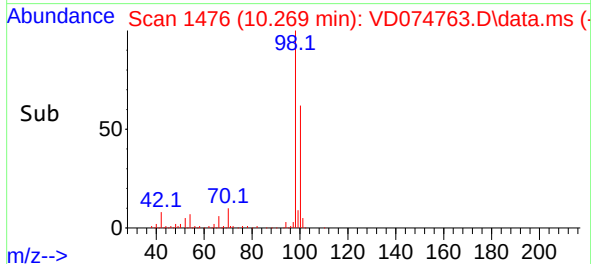
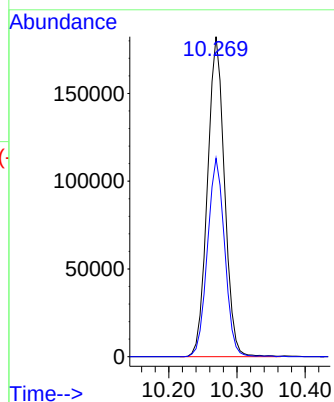
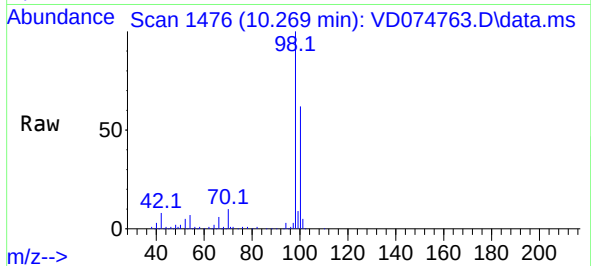




#50  
Toluene-d8  
Concen: 64.797 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

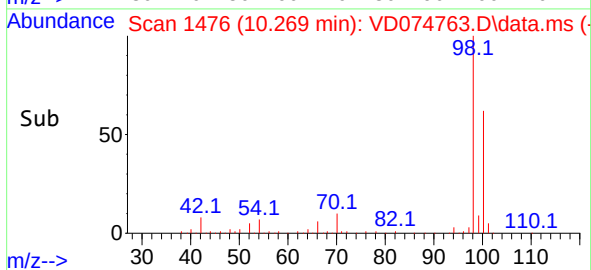
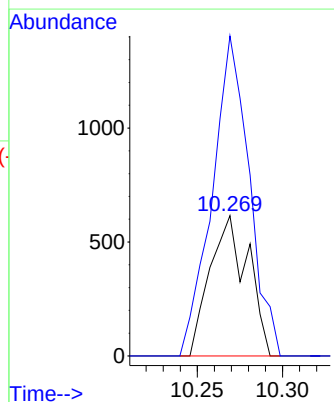
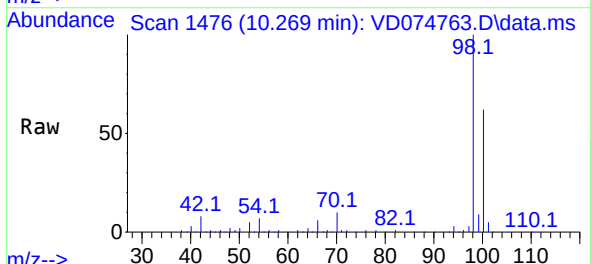
Instrument :  
MSVOA\_D  
ClientSampleId :  
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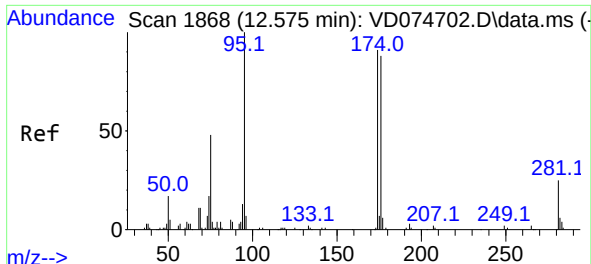
Tgt Ion: 98 Resp: 317071  
Ion Ratio Lower Upper  
98 100  
100 62.7 51.4 77.0



#51  
4-Methyl-2-Pentanone  
Concen: 1.563 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.112 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

Tgt Ion: 43 Resp: 958  
Ion Ratio Lower Upper  
43 100  
58 222.0 37.8 56.6#

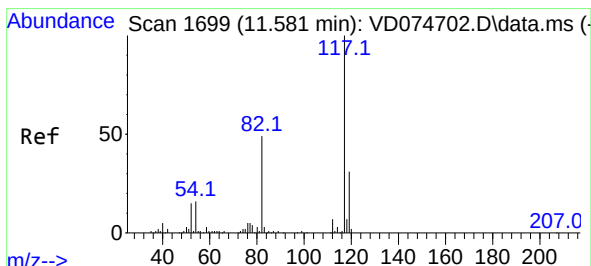
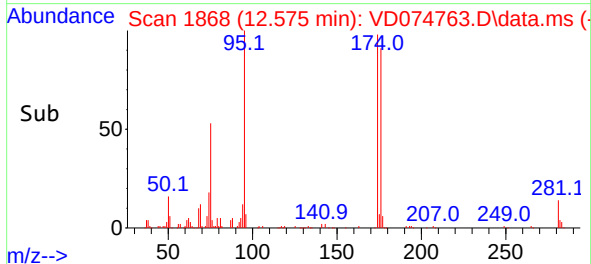
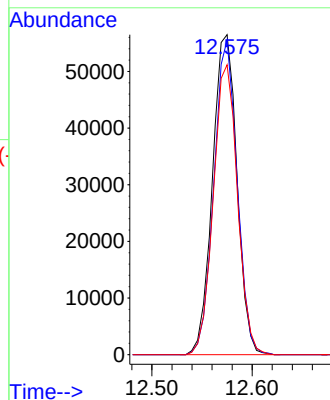
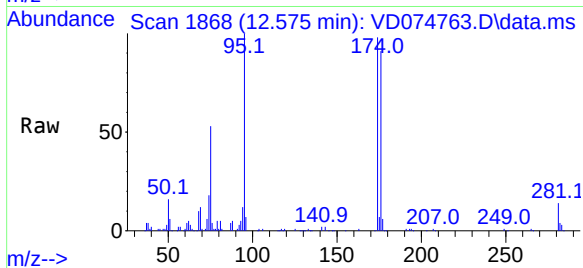




#62  
4-Bromofluorobenzene  
Concen: 67.570 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

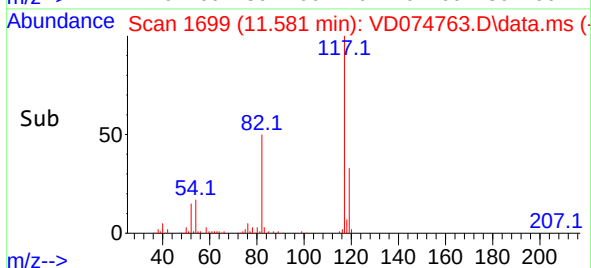
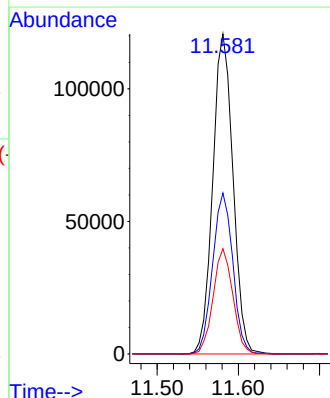
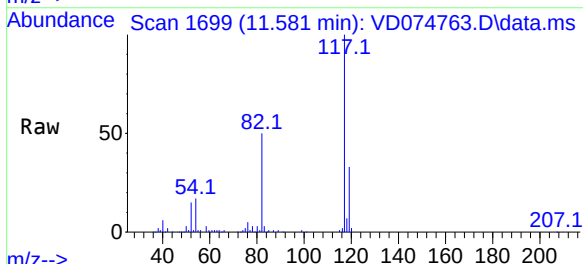
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-16

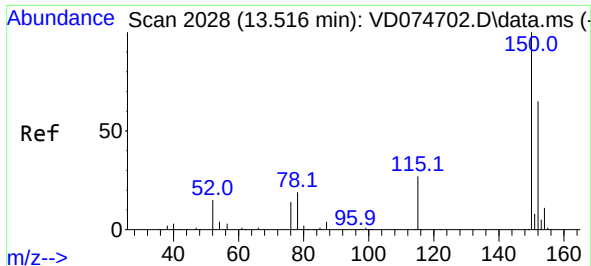
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 95467 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 93.7  | 0.0   | 197.0 |
| 176      | 89.5  | 0.0   | 182.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 208992 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 50.3  | 41.6  | 62.4   |
| 119      | 32.9  | 25.2  | 37.8   |

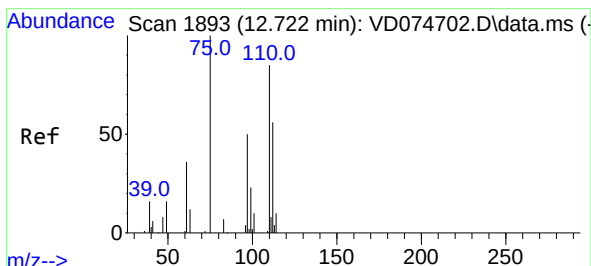
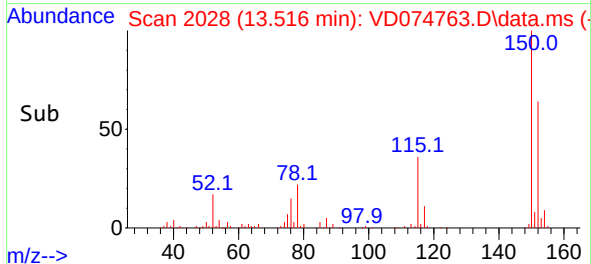
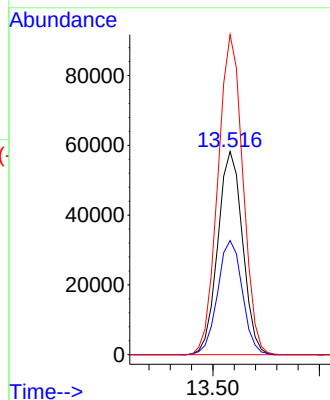
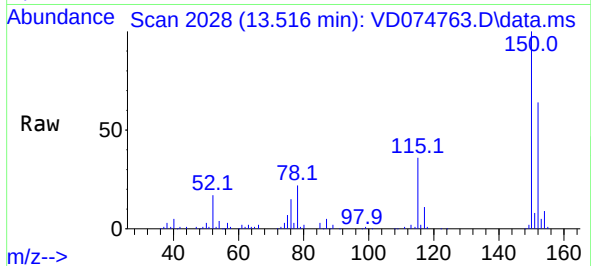




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

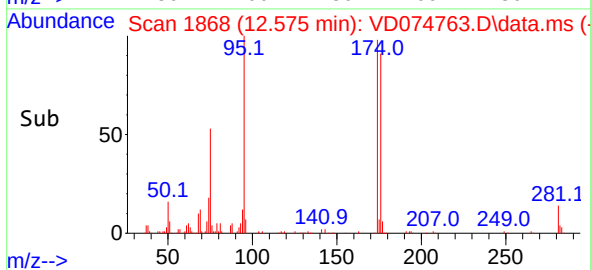
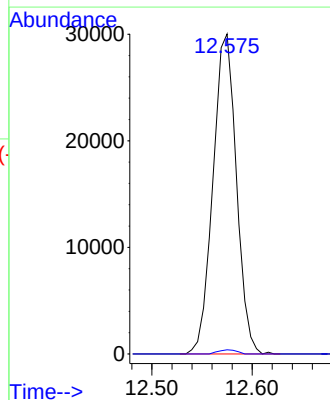
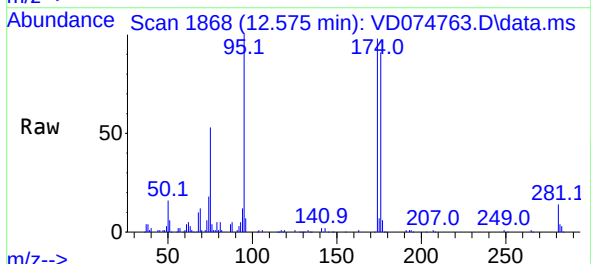
Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-16

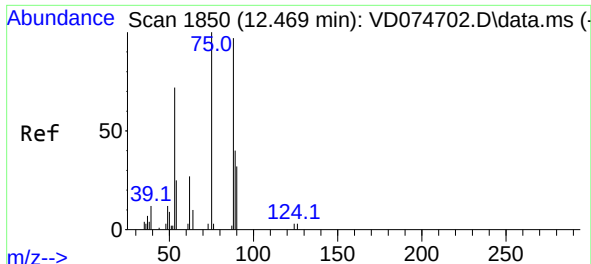
Tgt Ion:152 Resp: 94103  
Ion Ratio Lower Upper  
152 100  
115 55.9 26.8 80.4  
150 158.6 0.0 348.2



#76  
1,2,3-Trichloropropane  
Concen: 66.607 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.147 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

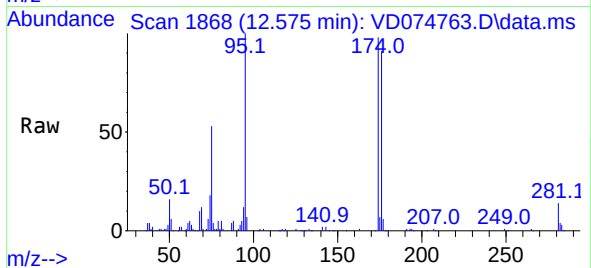
Tgt Ion: 75 Resp: 48589  
Ion Ratio Lower Upper  
75 100  
77 1.0 185.8 557.5#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 158.108 ug/l  
RT: 12.575 min Scan# 11  
Delta R.T. 0.106 min  
Lab File: VD074763.D  
Acq: 07 Nov 2022 16:05

Instrument :  
MSVOA\_D  
ClientSampleId :  
SB-16



Tgt Ion: 75 Resp: 48589  
Ion Ratio Lower Upper  
75 100  
53 0.0 63.8 95.6#  
89 0.0 38.2 57.4#

