

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012023\
 Data File : VD075156.D
 Acq On : 20 Jan 2023 16:31
 Operator : KP/SY
 Sample : 01233-03
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P34B

Quant Time: Jan 23 00:32:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 19 01:32:27 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

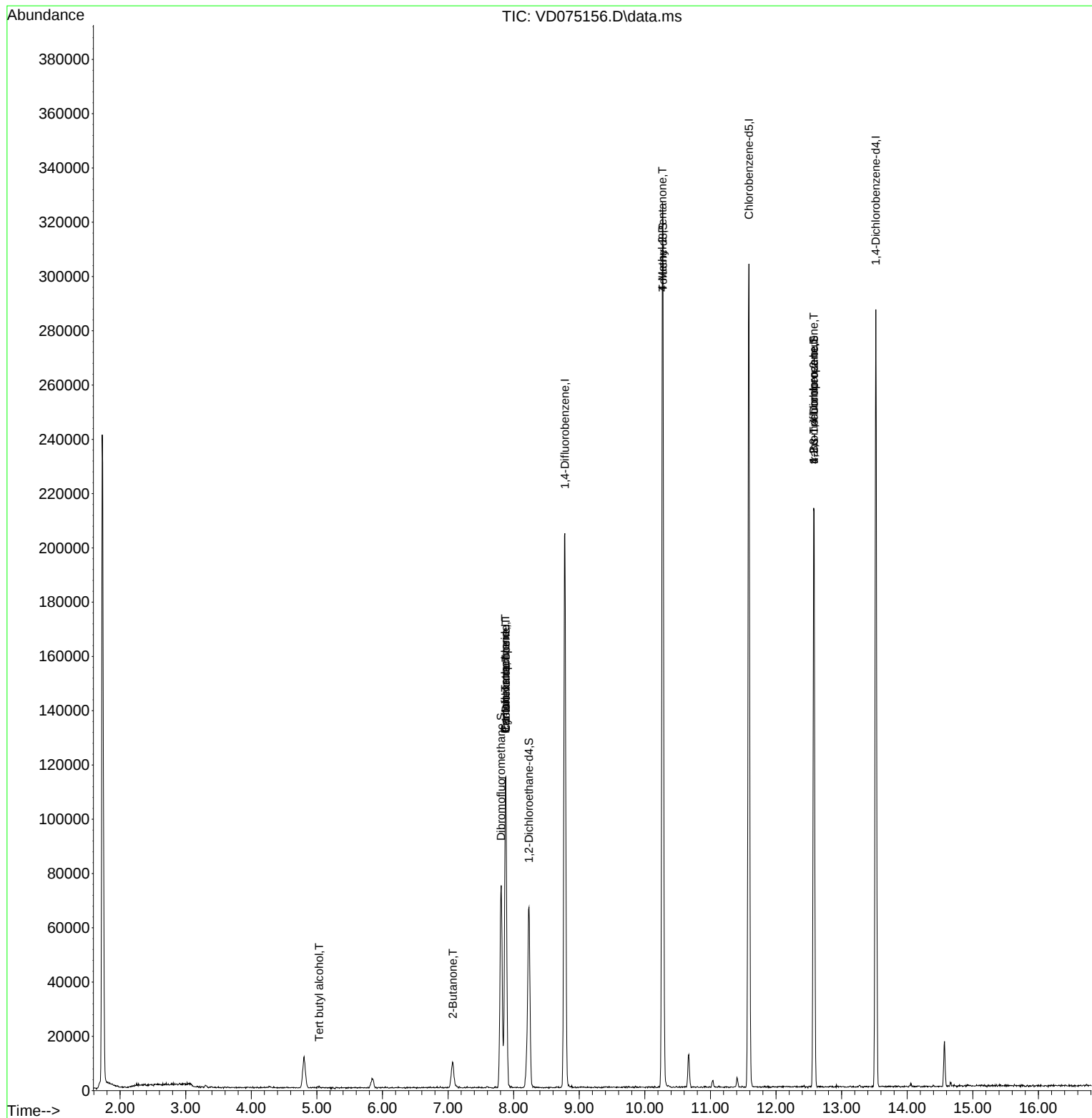
Internal Standards						
1) Pentafluorobenzene	7.875	168	84972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	180305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.586	117	168970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	72096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50474	58.212	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.420%	
35) Dibromofluoromethane	7.810	113	54900	50.389	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.780%	
50) Toluene-d8	10.275	98	225923	52.664	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	12.575	95	70837	52.029	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.034	59	167	2.761	ug/l #	89
20) Methylene Chloride	4.804	84	8155	Below Cal		98
25) 2-Butanone	7.075	43	555	2.008	ug/l #	50
31) Cyclohexane	7.881	56	2331	1.340	ug/l #	27
36) 1,1-Dichloropropene	7.881	75	7661	4.376	ug/l #	47
38) Carbon Tetrachloride	7.875	117	8819	5.983	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	945	1.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	35955	58.885	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	35955	136.588	ug/l #	14

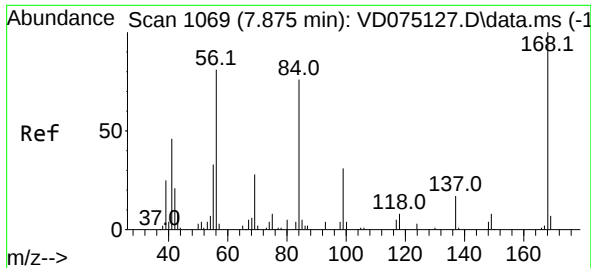
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011823S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 19 01:32:27 2023
Response via : Initial Calibration

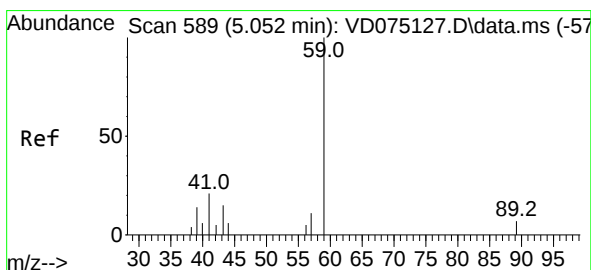
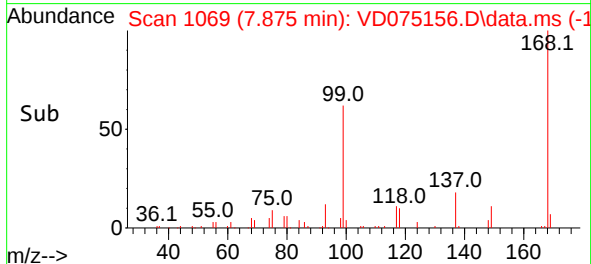
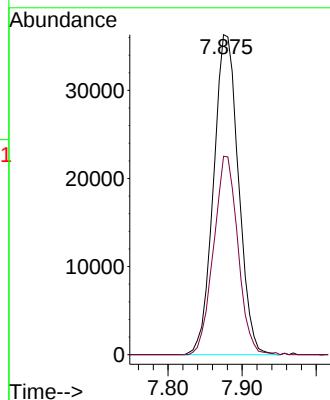
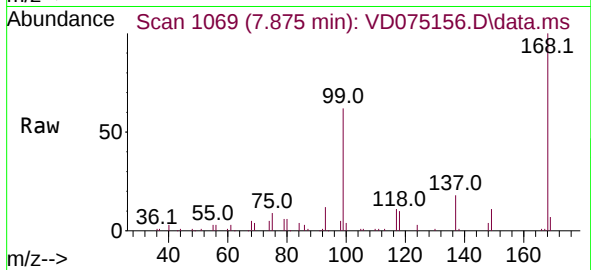




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

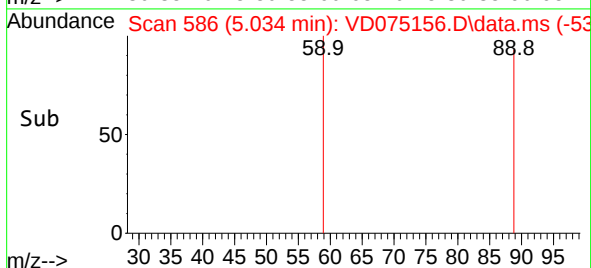
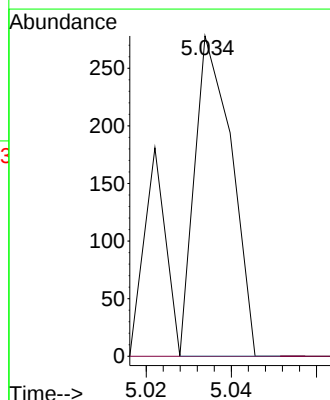
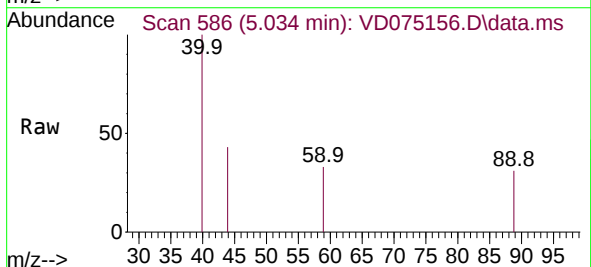
Instrument :
MSVOA_D
ClientSampleId :
B-P34B

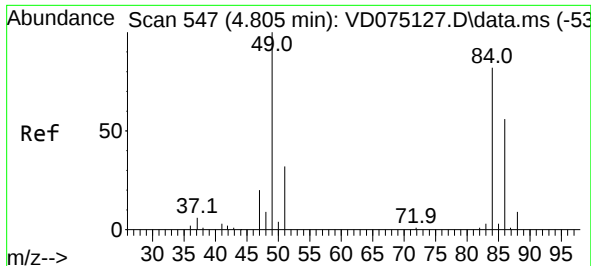
Tgt Ion:168 Resp: 84972
Ion Ratio Lower Upper
168 100
99 62.0 45.2 67.8



#11
Tert butyl alcohol
Concen: 2.761 ug/l
RT: 5.034 min Scan# 586
Delta R.T. -0.018 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

Tgt Ion: 59 Resp: 167
Ion Ratio Lower Upper
59 100
57 0.0 2.9 4.3#

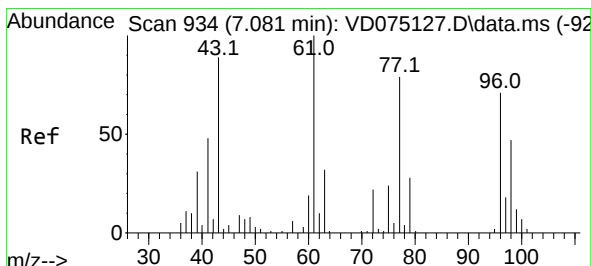
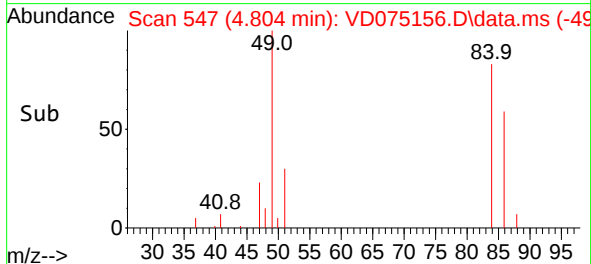
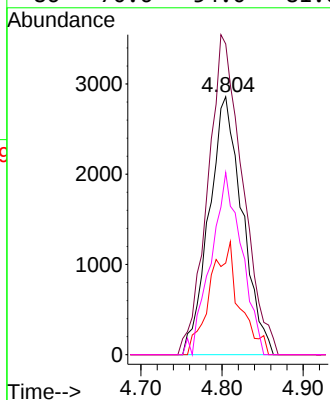
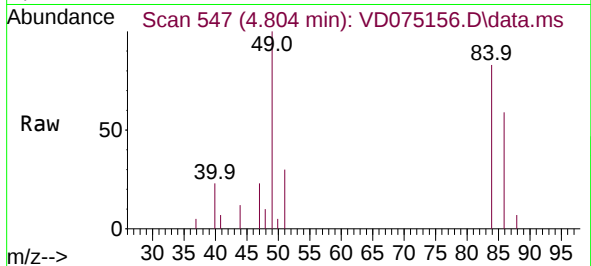




#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 54
Delta R.T. -0.001 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

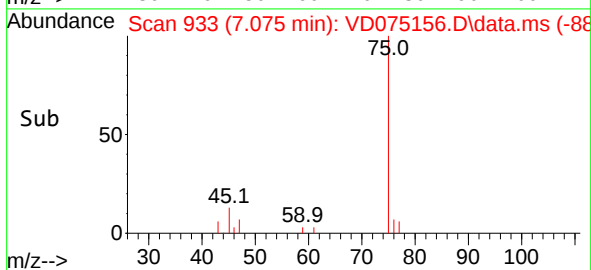
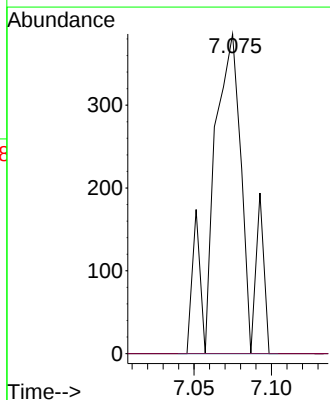
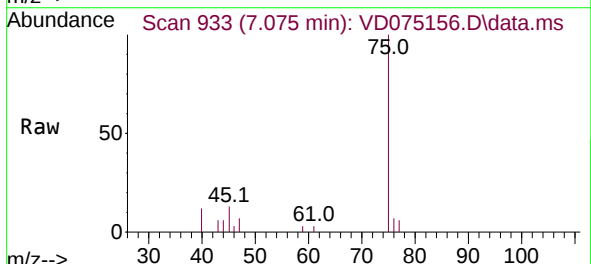
Instrument :
MSVOA_D
ClientSampleId :
B-P34B

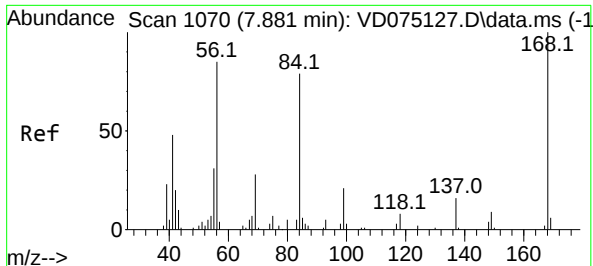
Tgt Ion:	84	Resp:	8155
Ion	Ratio	Lower	Upper
84	100		
49	120.5	97.0	145.6
51	35.6	30.9	46.3
86	70.6	54.0	81.0



#25
2-Butanone
Concen: 2.008 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

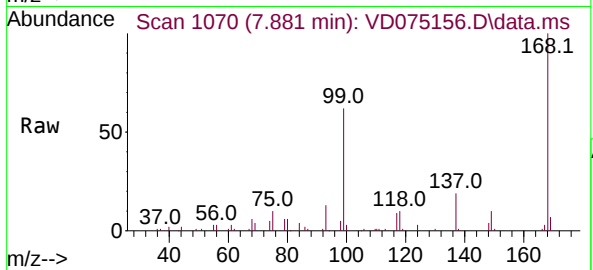
Tgt Ion:	43	Resp:	555
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.8#



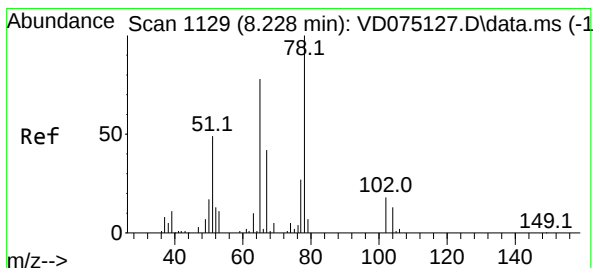
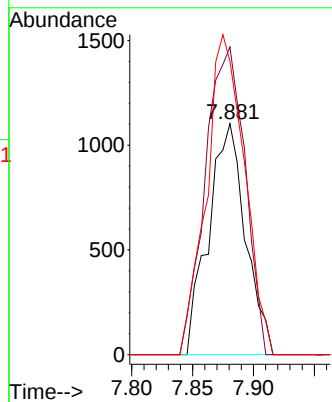
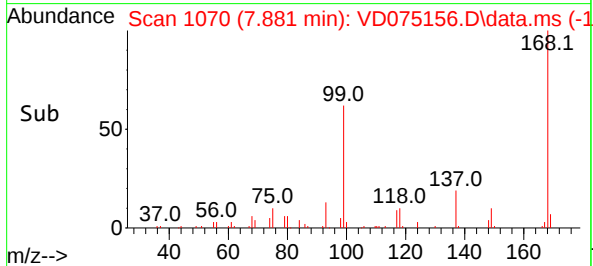


#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

Instrument :
MSVOA_D
ClientSampleId :
B-P34B

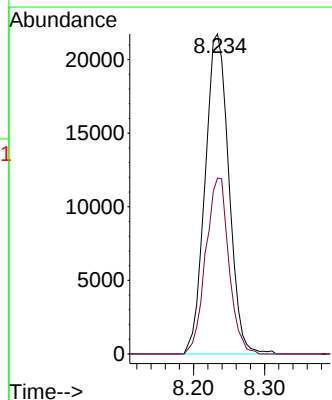
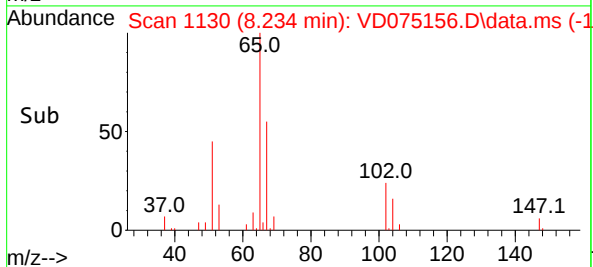
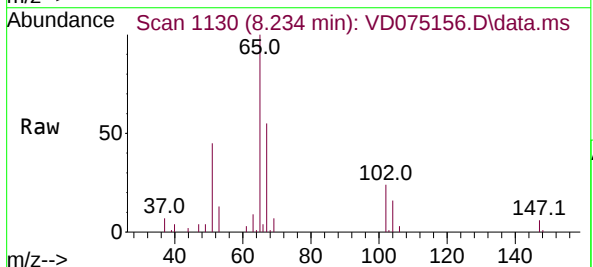


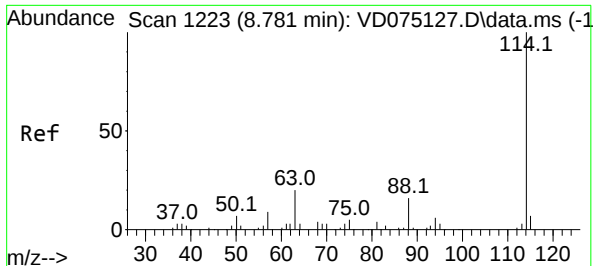
Tgt Ion: 56 Resp: 2331
Ion Ratio Lower Upper
56 100
69 133.2 26.6 40.0#
84 127.0 74.1 111.1#



#33
1,2-Dichloroethane-d4
Concen: 58.212 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

Tgt Ion: 65 Resp: 50474
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075156.D

Acq: 20 Jan 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

B-P34B

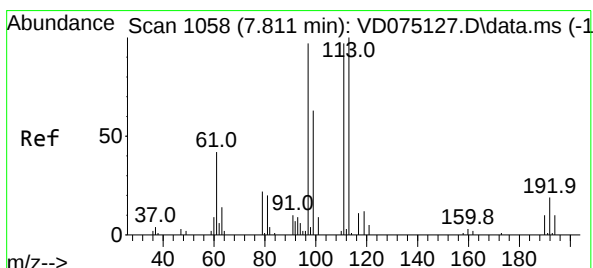
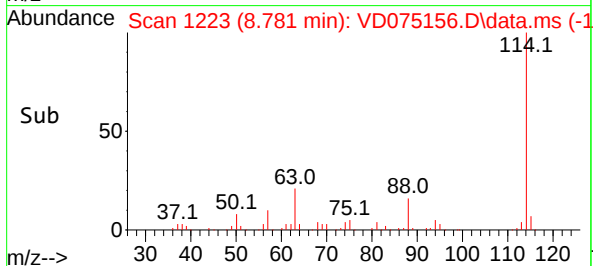
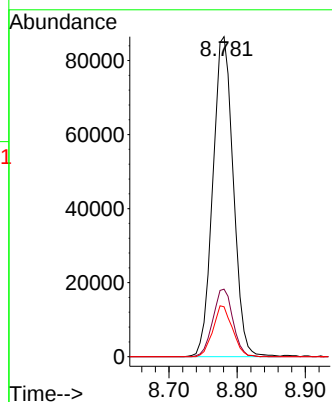
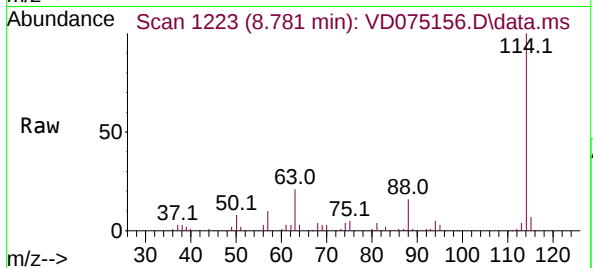
Tgt Ion:114 Resp: 180305

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.2

88 15.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.389 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD075156.D

Acq: 20 Jan 2023 16:31

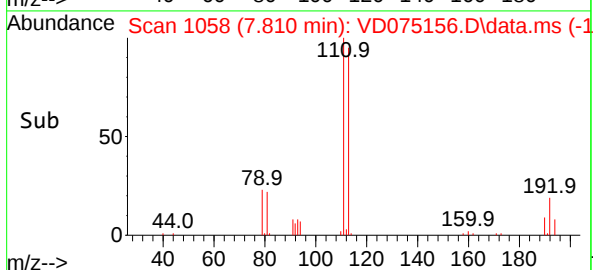
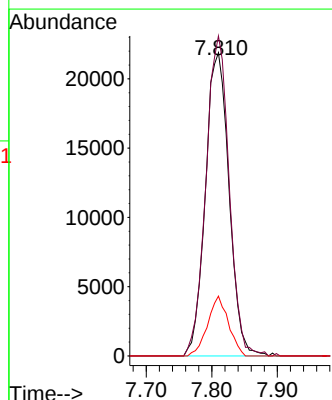
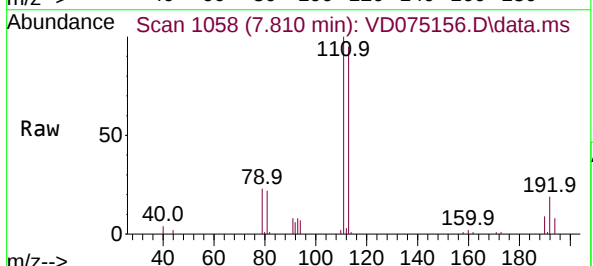
Tgt Ion:113 Resp: 54900

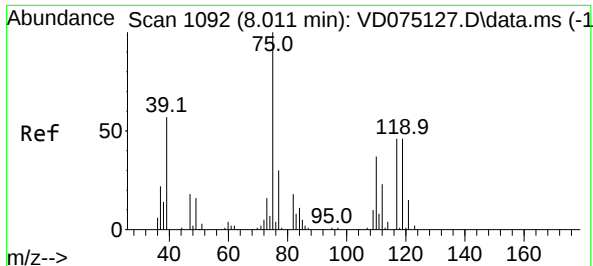
Ion Ratio Lower Upper

113 100

111 103.7 80.1 120.1

192 17.3 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.376 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD075156.D

Acq: 20 Jan 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

B-P34B

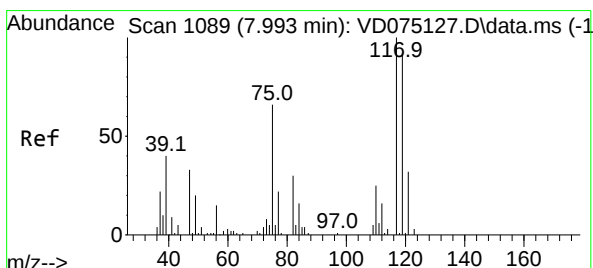
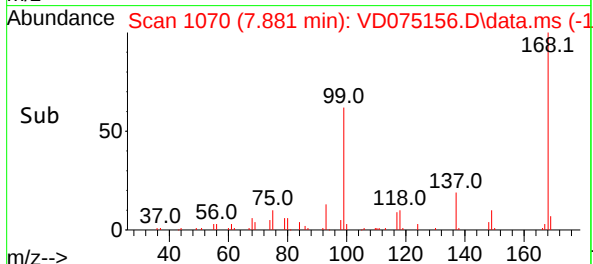
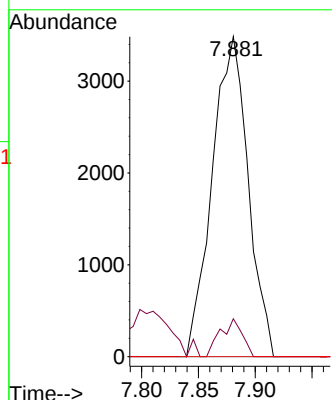
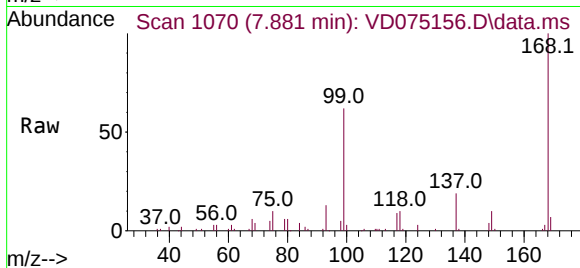
Tgt Ion: 75 Resp: 7661

Ion Ratio Lower Upper

75 100

110 7.2 18.1 54.4#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075156.D

Acq: 20 Jan 2023 16:31

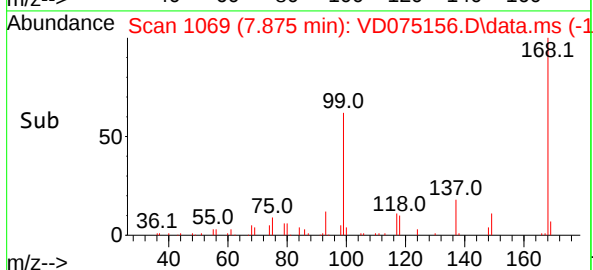
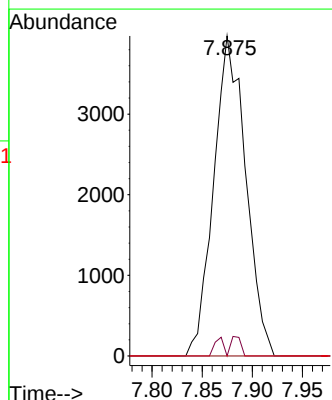
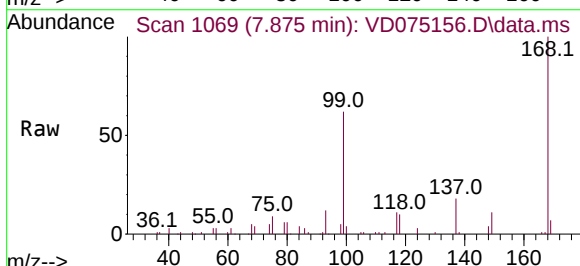
Tgt Ion: 117 Resp: 8819

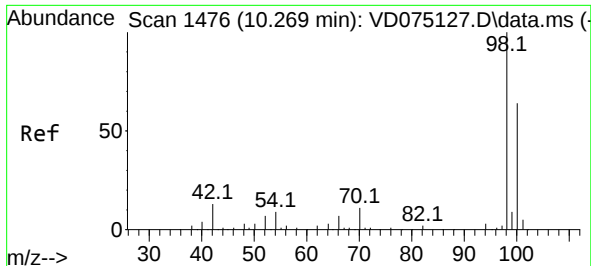
Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

121 0.0 25.4 38.0#

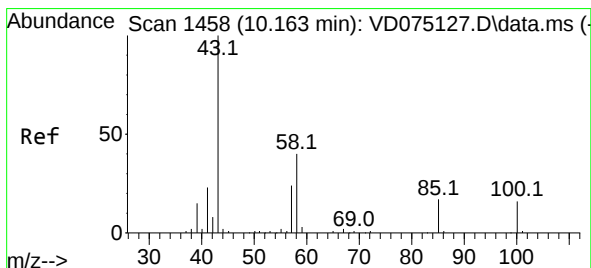
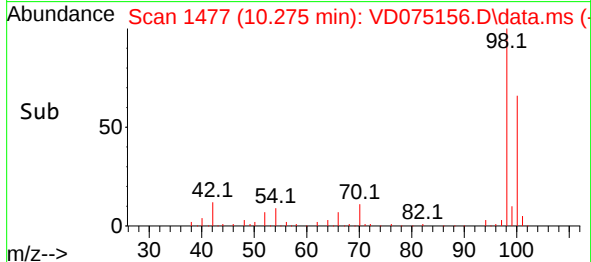
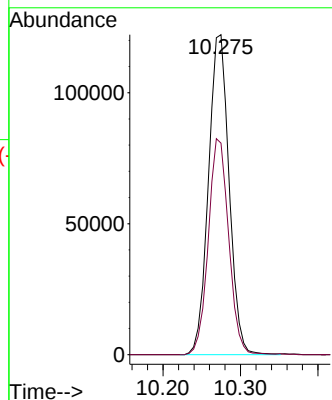
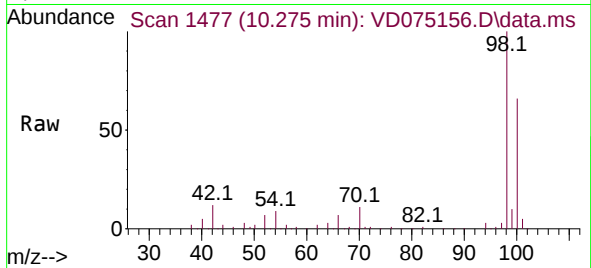




#50
Toluene-d8
Concen: 52.664 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.005 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

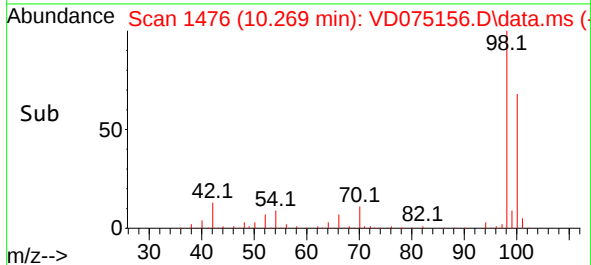
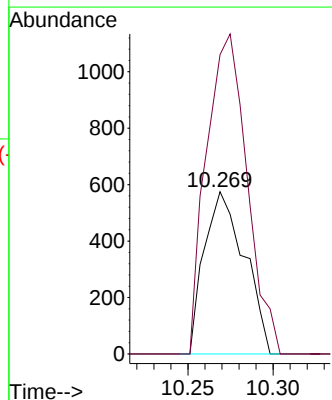
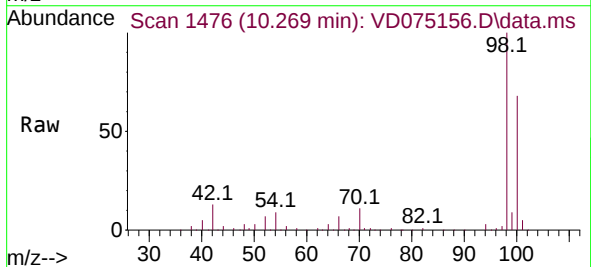
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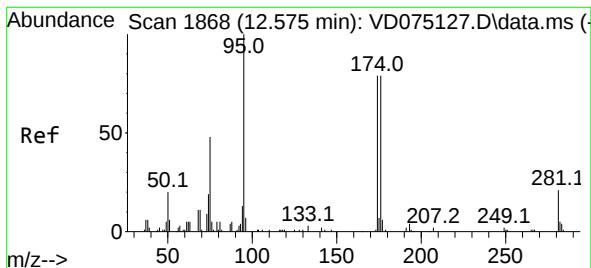
Tgt Ion: 98 Resp: 225923
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.434 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.105 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 199.3 31.4 47.0#

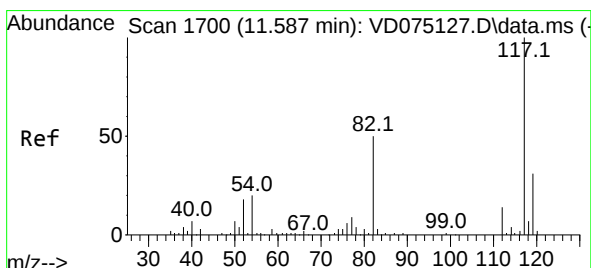
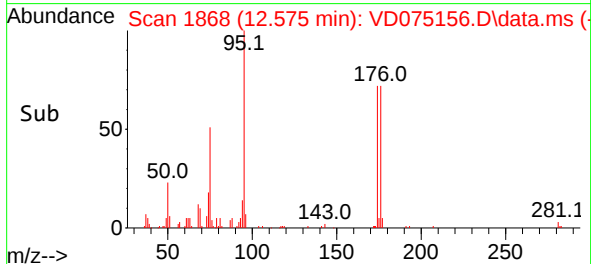
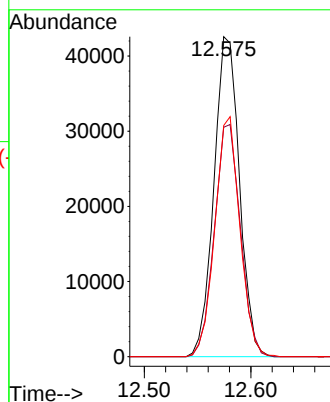
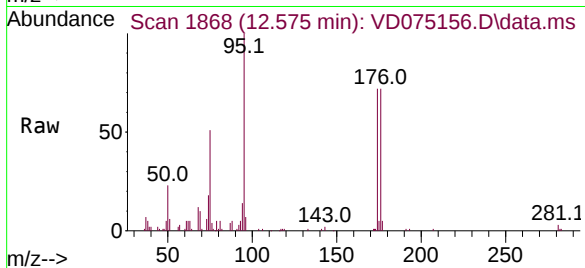




#62
4-Bromofluorobenzene
Concen: 52.029 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

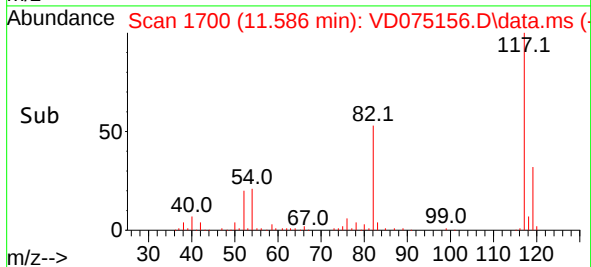
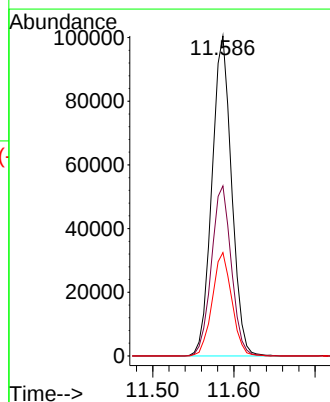
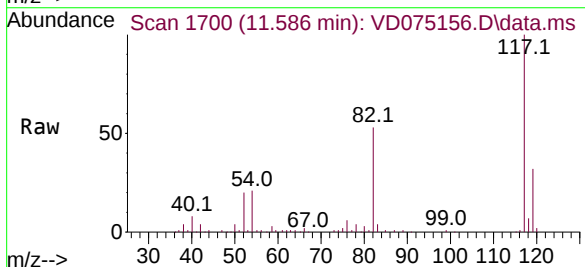
Instrument :
MSVOA_D
ClientSampleId :
B-P34B

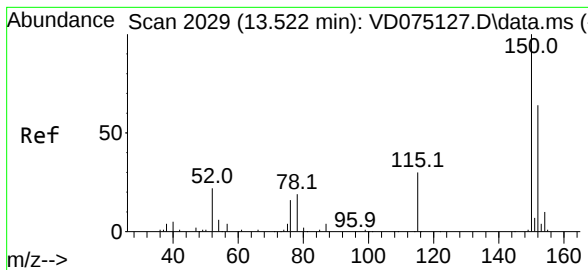
Tgt Ion: 95 Resp: 70837
Ion Ratio Lower Upper
95 100
174 73.8 0.0 161.2
176 73.5 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.586 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075156.D
Acq: 20 Jan 2023 16:31

Tgt Ion: 117 Resp: 168970
Ion Ratio Lower Upper
117 100
82 53.2 39.6 59.4
119 32.3 24.6 37.0

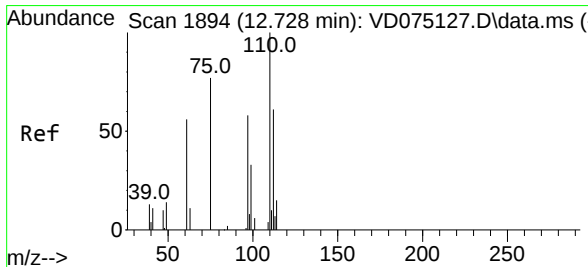
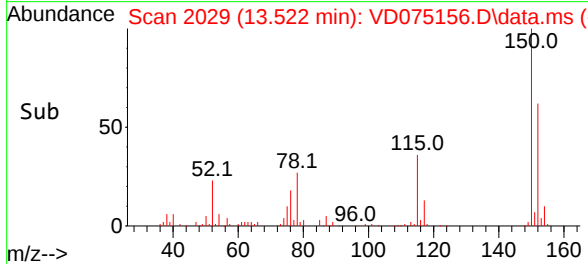
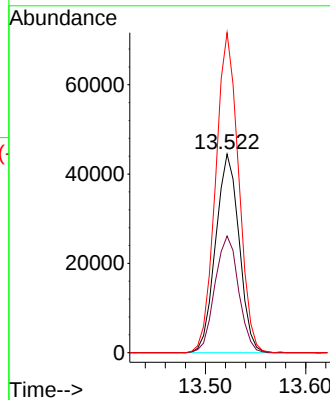
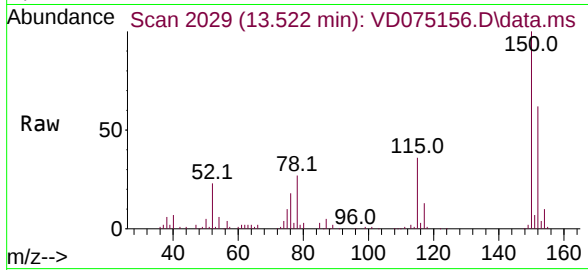




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD075156.D
 Acq: 20 Jan 2023 16:31

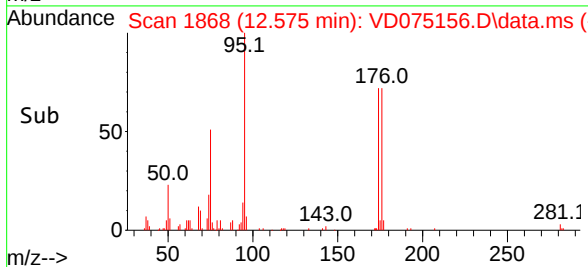
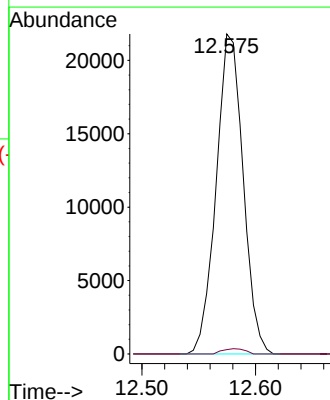
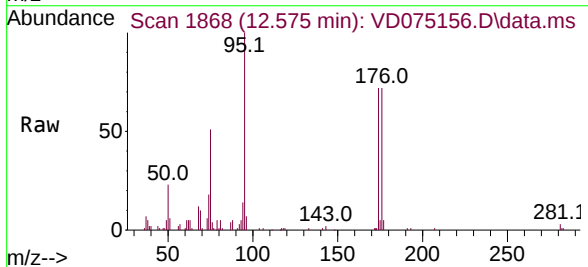
Instrument :
 MSVOA_D
 ClientSampleId :
 B-P34B

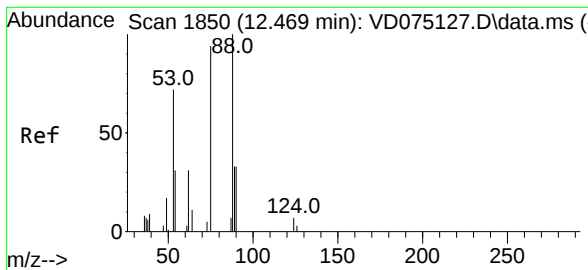
Tgt Ion:152 Resp: 72096
 Ion Ratio Lower Upper
 152 100
 115 59.4 28.8 86.4
 150 157.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 58.885 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD075156.D
 Acq: 20 Jan 2023 16:31

Tgt Ion: 75 Resp: 35955
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.588 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VD075156.D
 Acq: 20 Jan 2023 16:31

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P34B

Tgt Ion: 75 Resp: 35955
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.5 105.7#
 89 0.0 34.6 52.0#

