

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082923\
 Data File : VD077067.D
 Acq On : 29 Aug 2023 17:41
 Operator : JC/SY
 Sample : 04198-03
 Misc : 4.52G/5.6ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 29 21:01:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 02:15:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	116199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	264758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140613	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73987	64.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.340%
35) Dibromofluoromethane	7.805	113	94438	53.392	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.780%
50) Toluene-d8	10.269	98	351913	54.996	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.000%
62) 4-Bromofluorobenzene	12.575	95	113192	59.998	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	120.000%

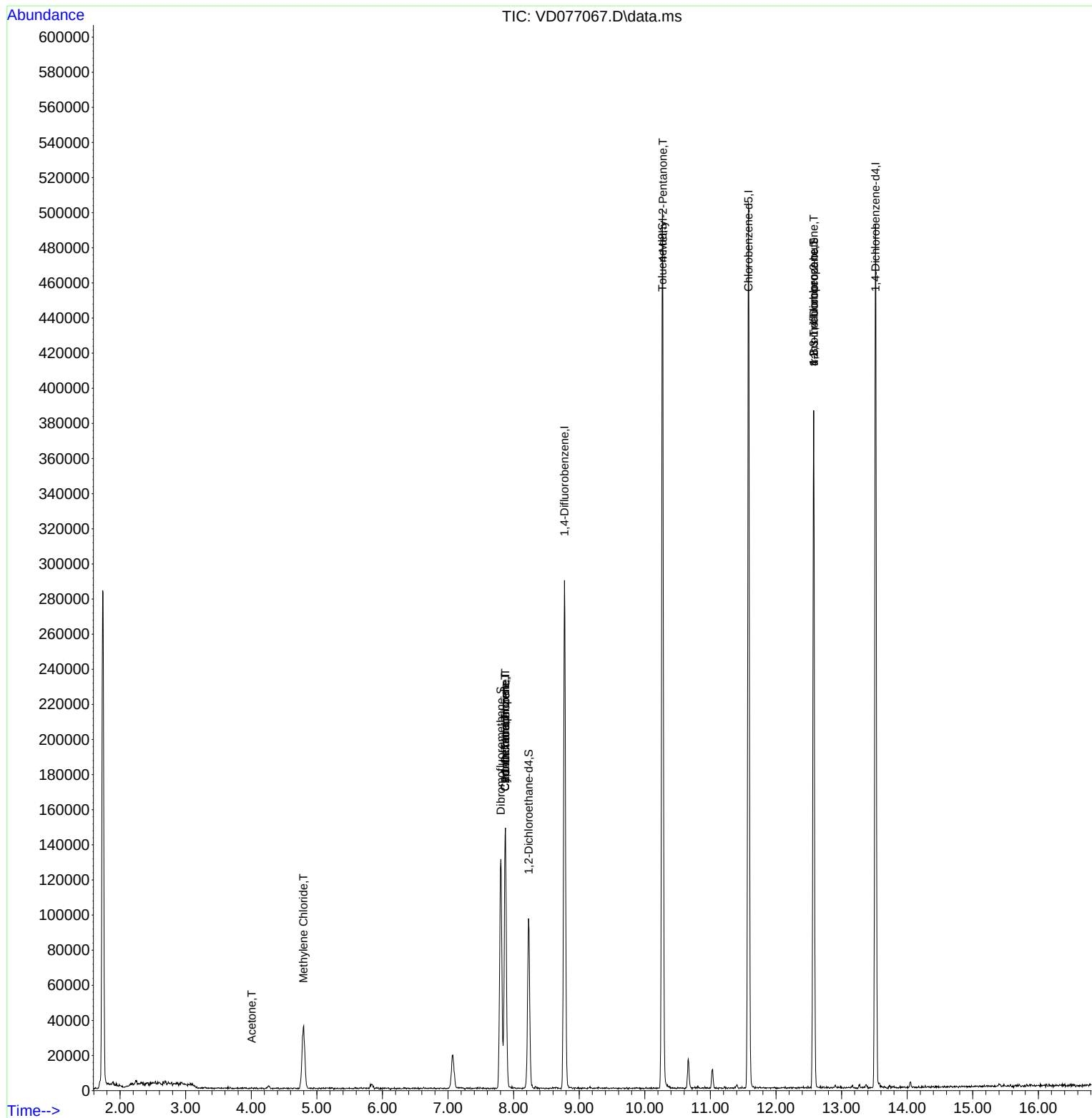
Target Compounds					Qvalue	
3) Chloromethane	2.146	50	203	Below Cal	#	41
16) Acetone	4.005	43	418	1.603	ug/l #	32
20) Methylene Chloride	4.793	84	29269	15.174	ug/l	92
31) Cyclohexane	7.869	56	2219	1.214	ug/l #	35
36) 1,1-Dichloropropene	7.875	75	9431	3.743	ug/l #	48
38) Carbon Tetrachloride	7.869	117	11281	4.428	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	1168	1.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	57957	42.733	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57957	99.218	ug/l #	17

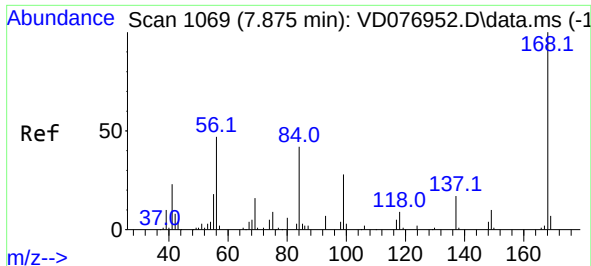
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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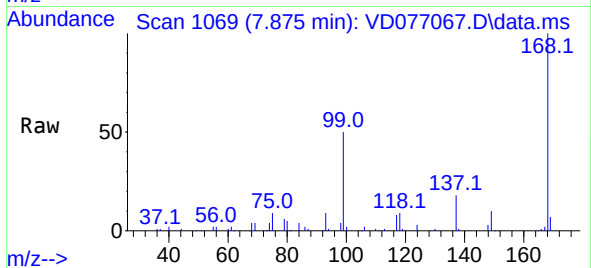
Quant Time: Aug 29 21:01:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082823S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 02:15:23 2023
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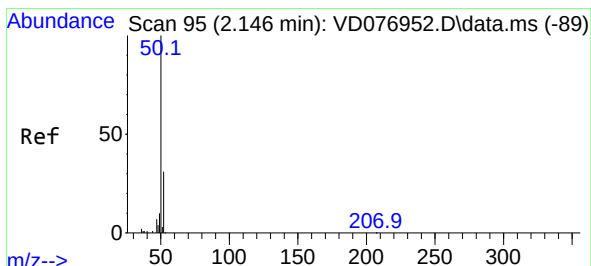
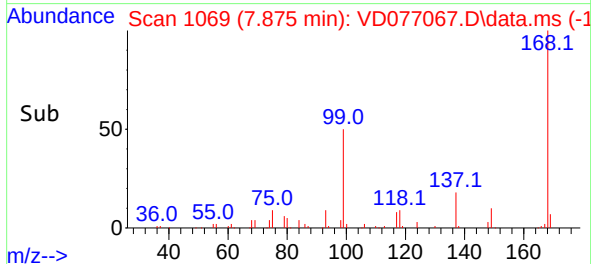
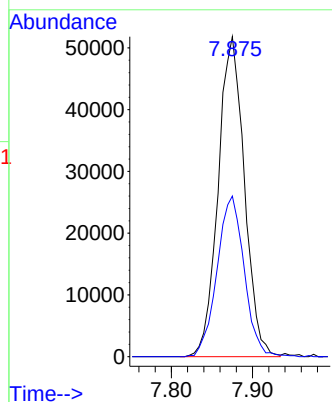


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Instrument :
MSVOA_D
ClientSampleId :

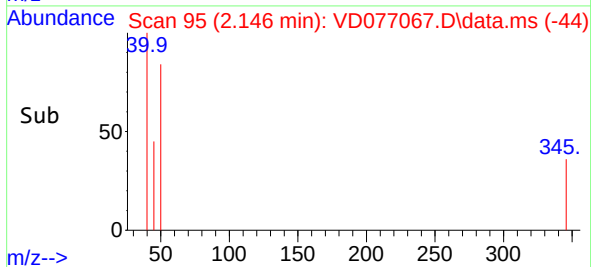
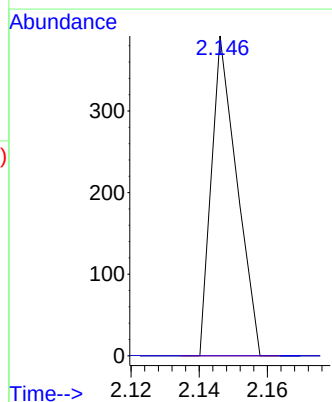
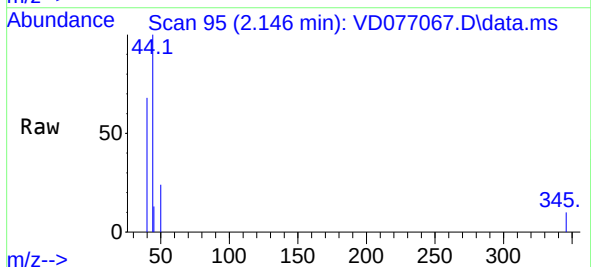


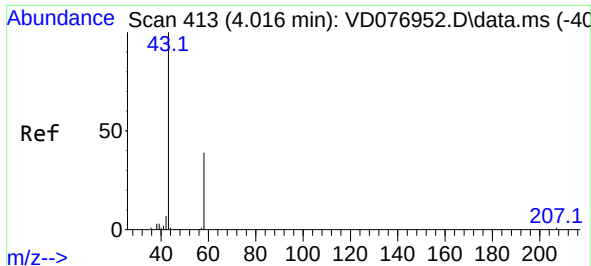
Tgt Ion:168 Resp: 116199
Ion Ratio Lower Upper
168 100
99 50.2 36.7 55.1



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

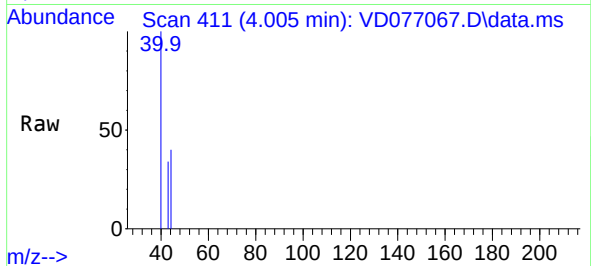
Tgt Ion: 50 Resp: 203
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



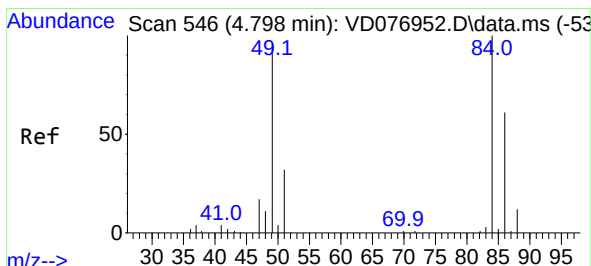
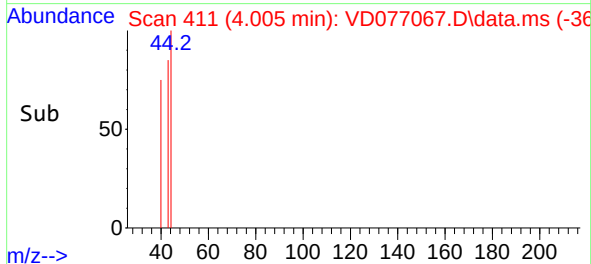
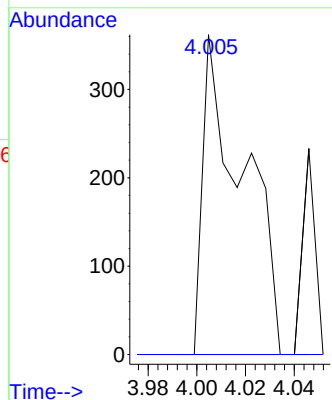


#16
Acetone
Concen: 1.603 ug/l
RT: 4.005 min Scan# 411
Delta R.T. -0.011 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Instrument :
MSVOA_D
ClientSampleId :

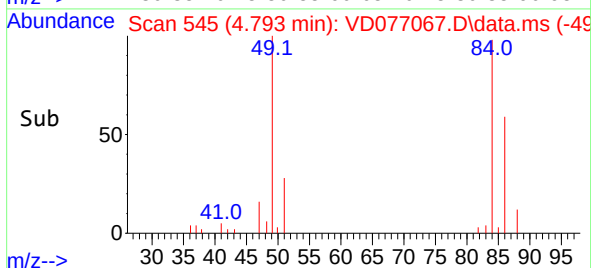
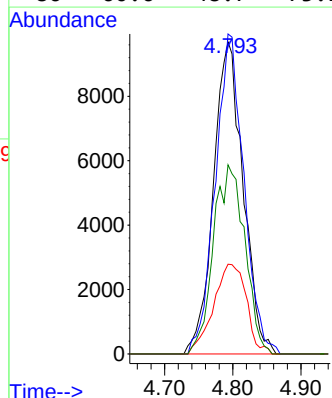
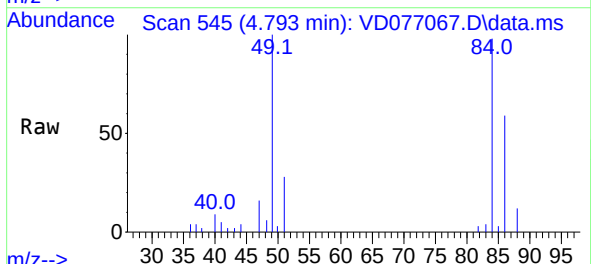


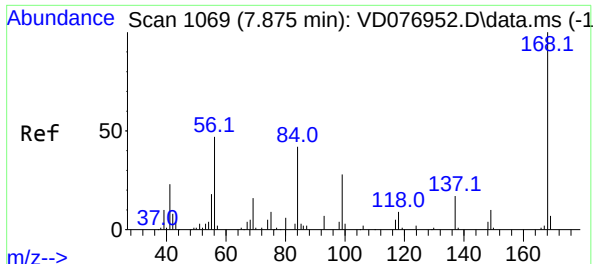
Tgt Ion: 43 Resp: 418
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 15.174 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.005 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

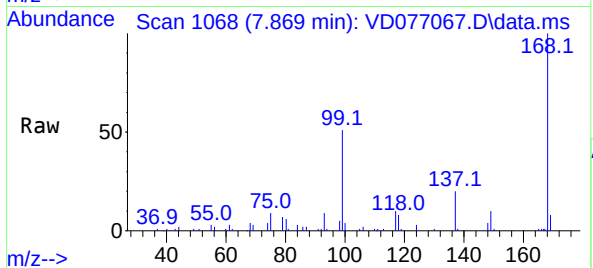
Tgt Ion: 84 Resp: 29269
Ion Ratio Lower Upper
84 100
49 102.6 71.4 107.2
51 28.8 24.5 36.7
86 60.6 48.7 73.1



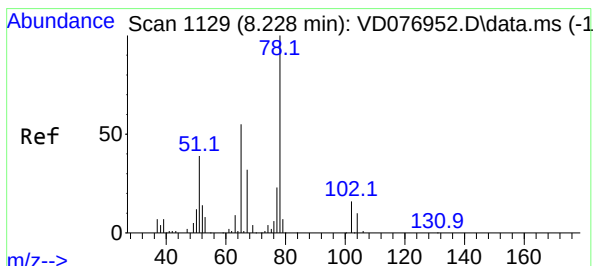
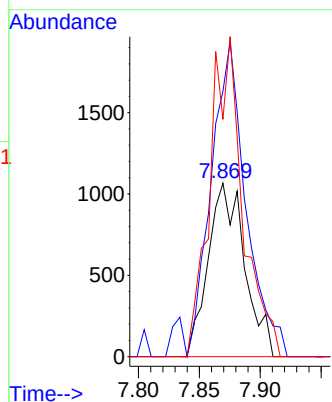
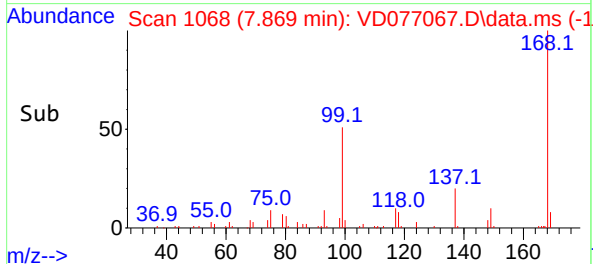


#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Instrument :
MSVOA_D
ClientSampleId :

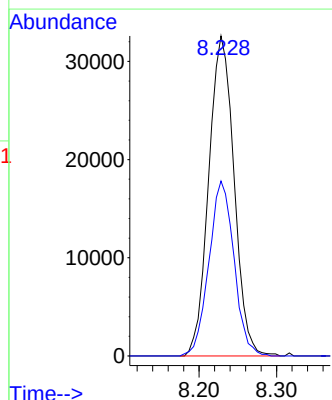
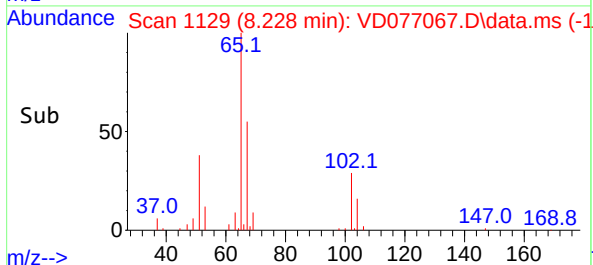
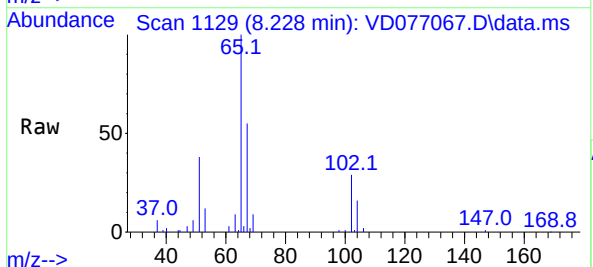


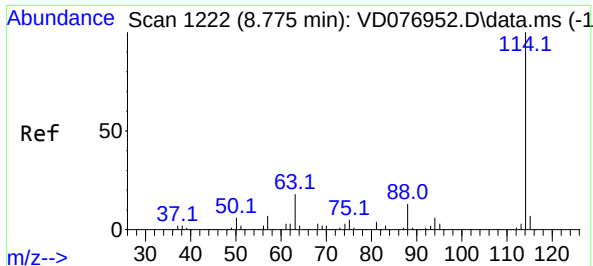
Tgt Ion: 56 Resp: 2219
Ion Ratio Lower Upper
56 100
69 135.9 28.6 43.0#
84 136.9 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 64.671 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Tgt Ion: 65 Resp: 73987
Ion Ratio Lower Upper
65 100
67 54.1 0.0 115.0

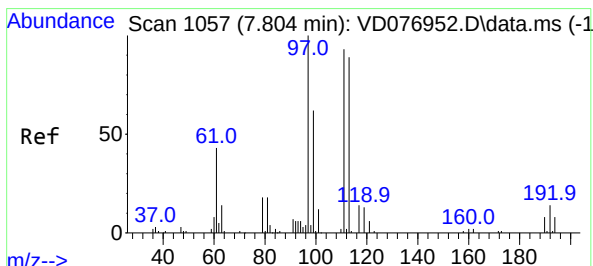
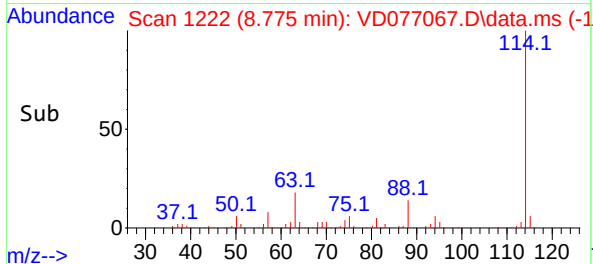
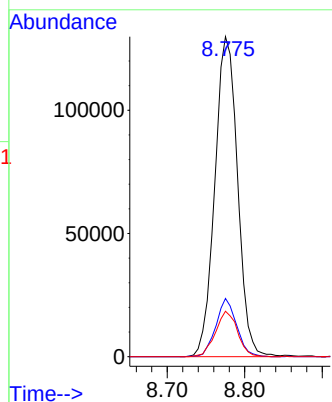
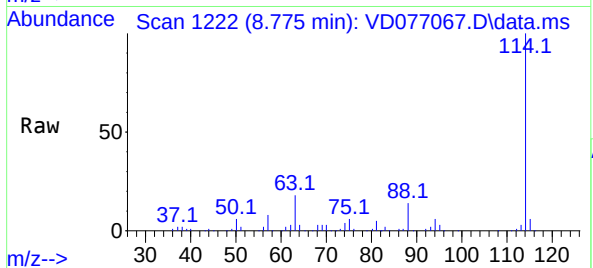




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

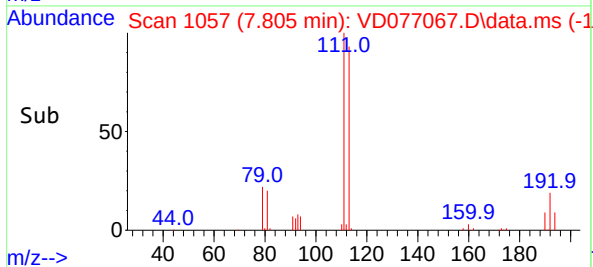
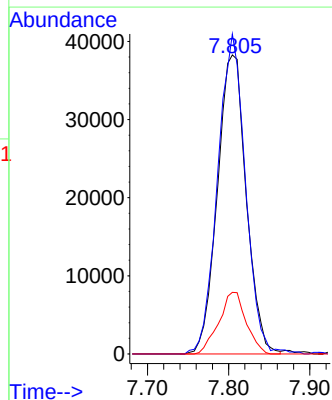
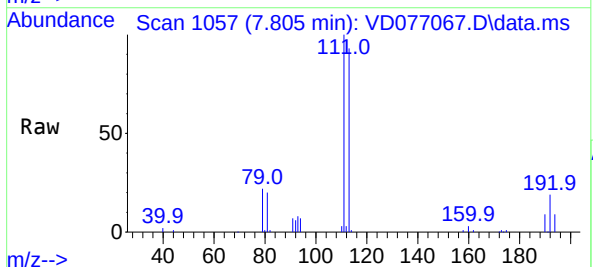
Instrument :
MSVOA_D
ClientSampleId :

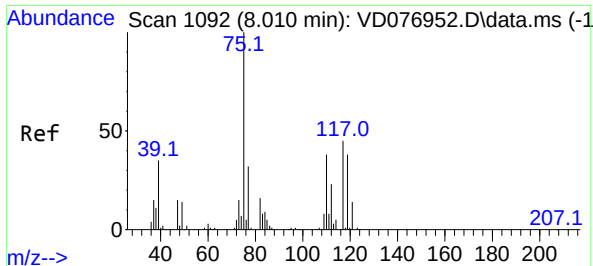
Tgt Ion:114 Resp: 264758
Ion Ratio Lower Upper
114 100
63 18.2 0.0 33.4
88 14.2 0.0 26.2



#35
Dibromofluoromethane
Concen: 53.392 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Tgt Ion:113 Resp: 94438
Ion Ratio Lower Upper
113 100
111 103.2 84.7 127.1
192 19.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.743 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

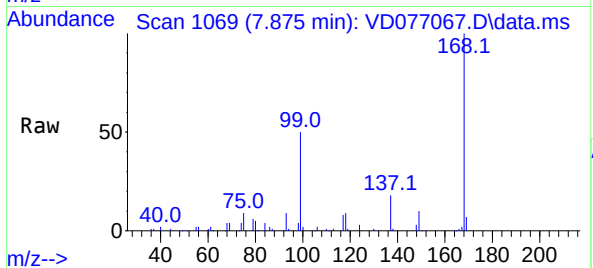
Lab File: VD077067.D

Acq: 29 Aug 2023 17:41

Instrument :

MSVOA_D

ClientSampleId :



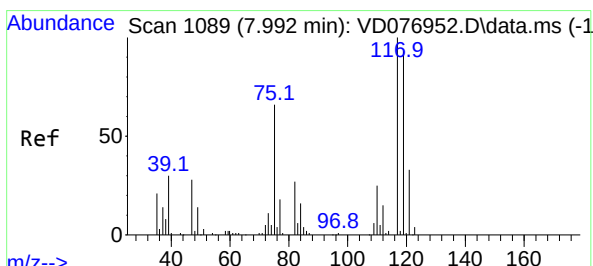
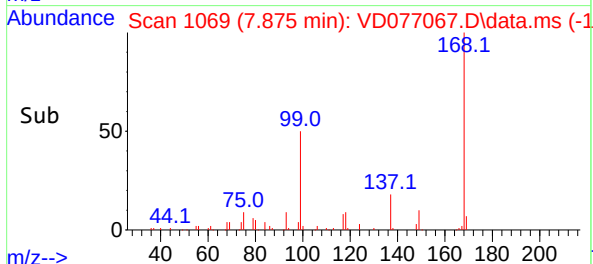
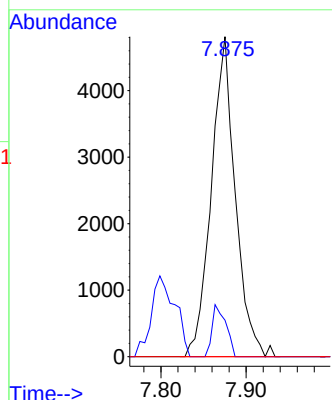
Tgt Ion: 75 Resp: 9431

Ion Ratio Lower Upper

75 100

110 9.3 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.428 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.123 min

Lab File: VD077067.D

Acq: 29 Aug 2023 17:41

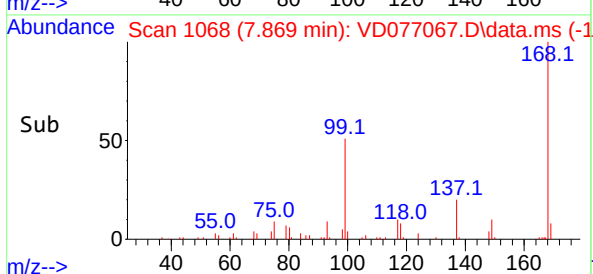
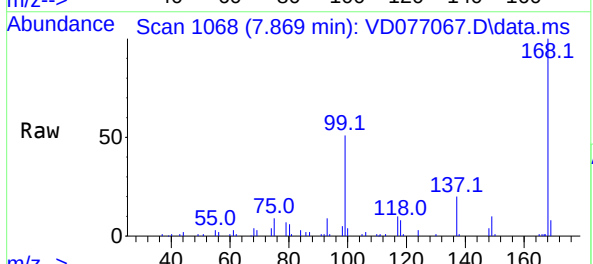
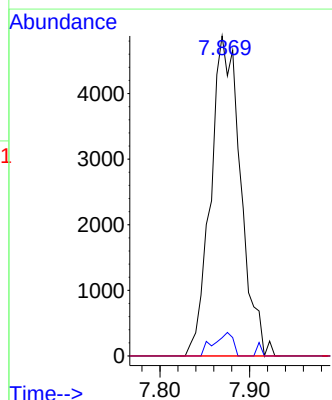
Tgt Ion: 117 Resp: 11281

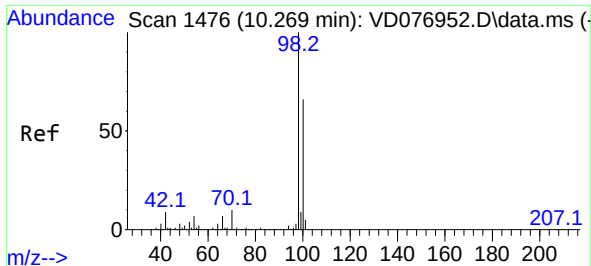
Ion Ratio Lower Upper

117 100

119 5.7 78.0 117.0#

121 0.0 24.2 36.2#

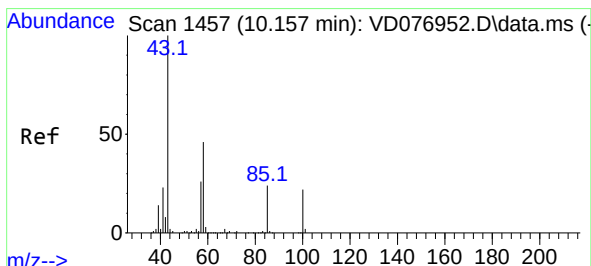
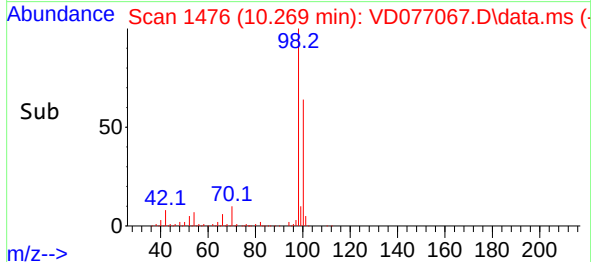
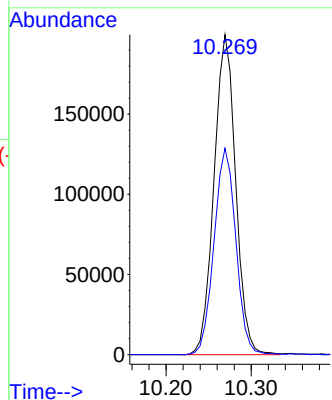
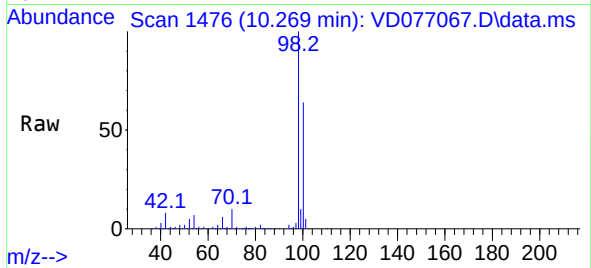




#50
Toluene-d8
Concen: 54.996 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

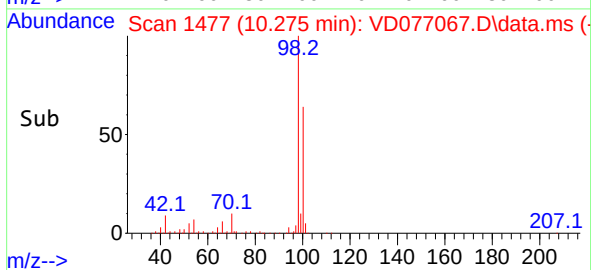
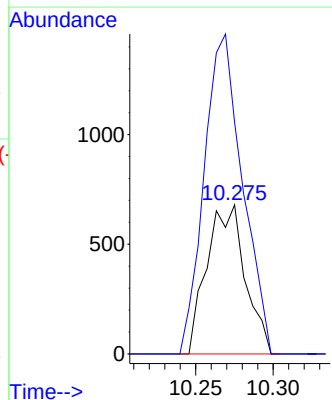
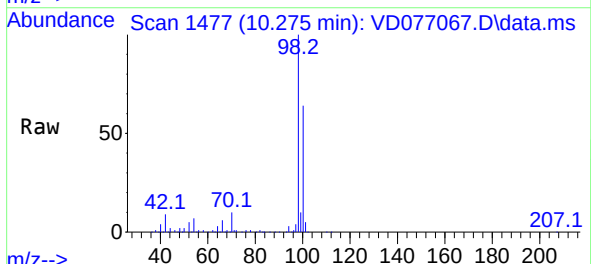
Instrument :
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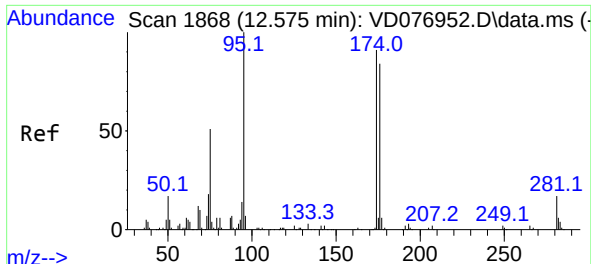
Tgt Ion: 98 Resp: 351913
Ion Ratio Lower Upper
98 100
100 65.0 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.315 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
58 214.6 38.9 58.3#

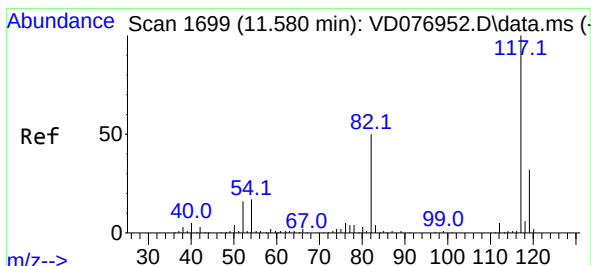
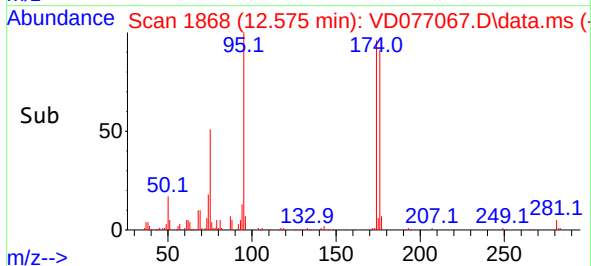
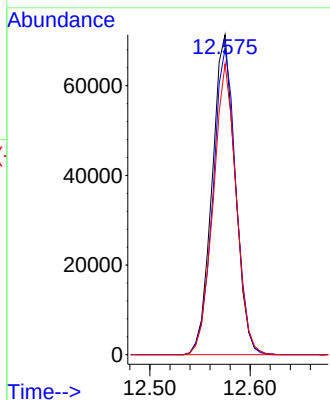
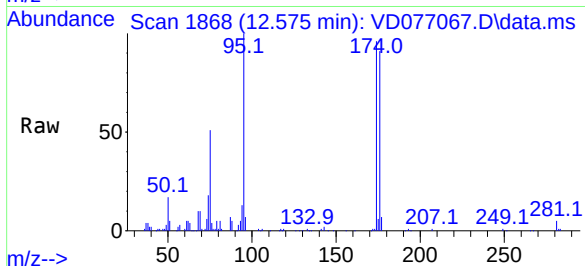




#62
4-Bromofluorobenzene
Concen: 59.998 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

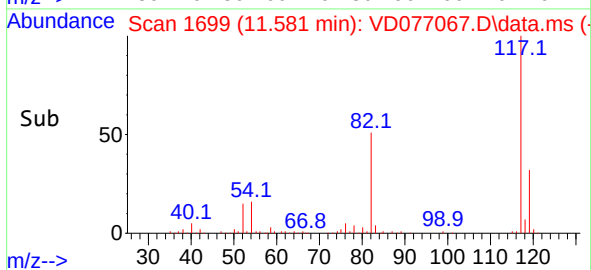
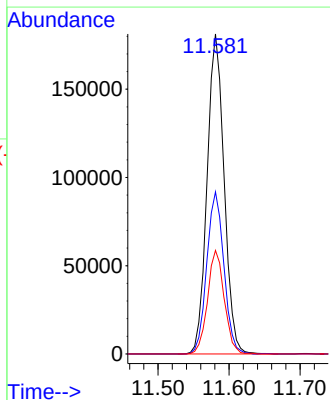
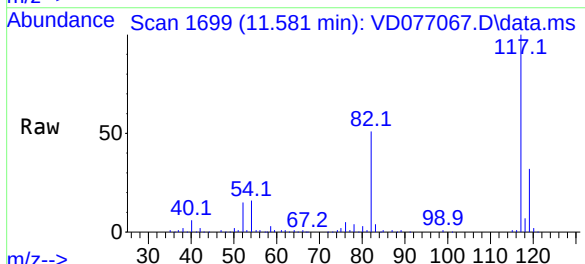
Instrument :
MSVOA_D
ClientSampleId :

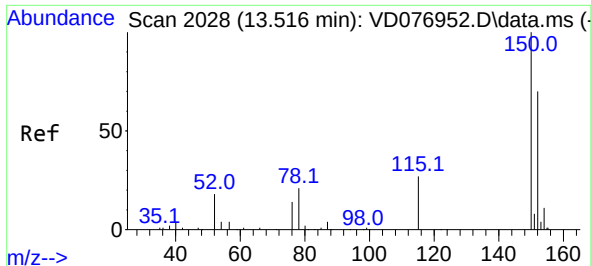
Tgt Ion: 95 Resp: 113192
Ion Ratio Lower Upper
95 100
174 95.8 0.0 201.8
176 90.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

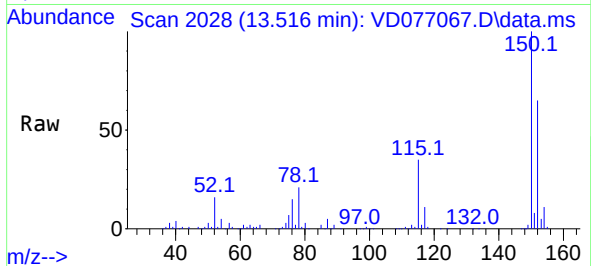
Tgt Ion: 117 Resp: 302285
Ion Ratio Lower Upper
117 100
82 50.7 38.3 57.5
119 32.3 25.0 37.4



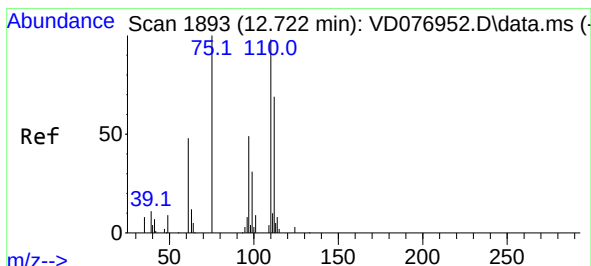
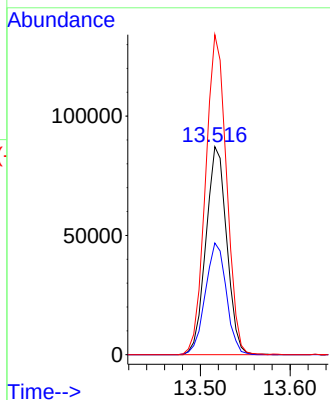
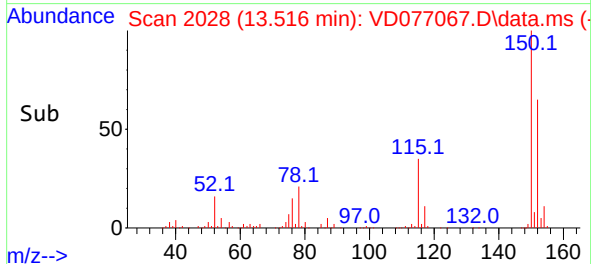


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.000 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

Instrument :
MSVOA_D
ClientSampleId :

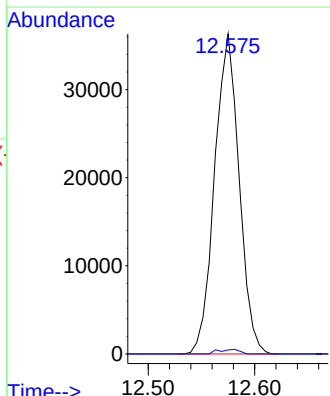
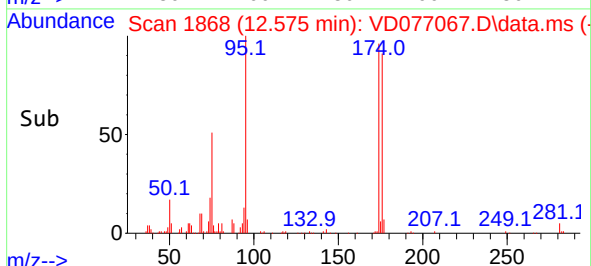
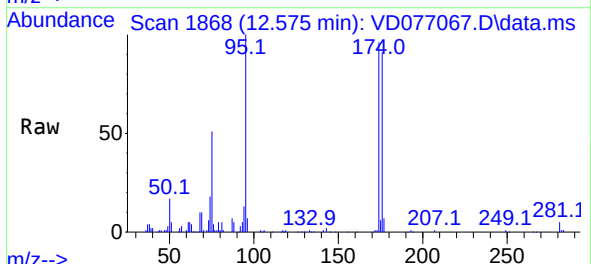


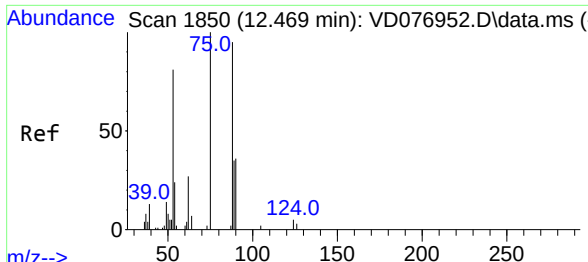
Tgt Ion:152 Resp: 140613
Ion Ratio Lower Upper
152 100
115 54.2 27.1 81.3
150 154.8 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 42.733 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077067.D
Acq: 29 Aug 2023 17:41

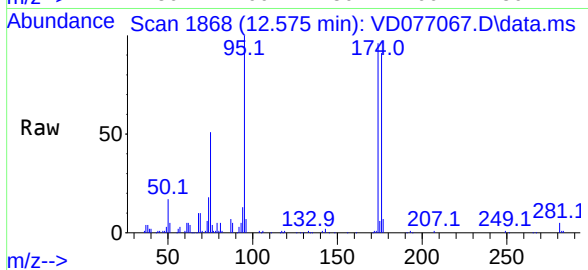
Tgt Ion: 75 Resp: 57957
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.218 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077067.D
 Acq: 29 Aug 2023 17:41

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	57957
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

