

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020821\
 Data File : VD068320.D
 Acq On : 08 Feb 2021 16:19
 Operator : VA/SY
 Sample : M1337-01
 Misc : 4.65G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 09 00:15:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

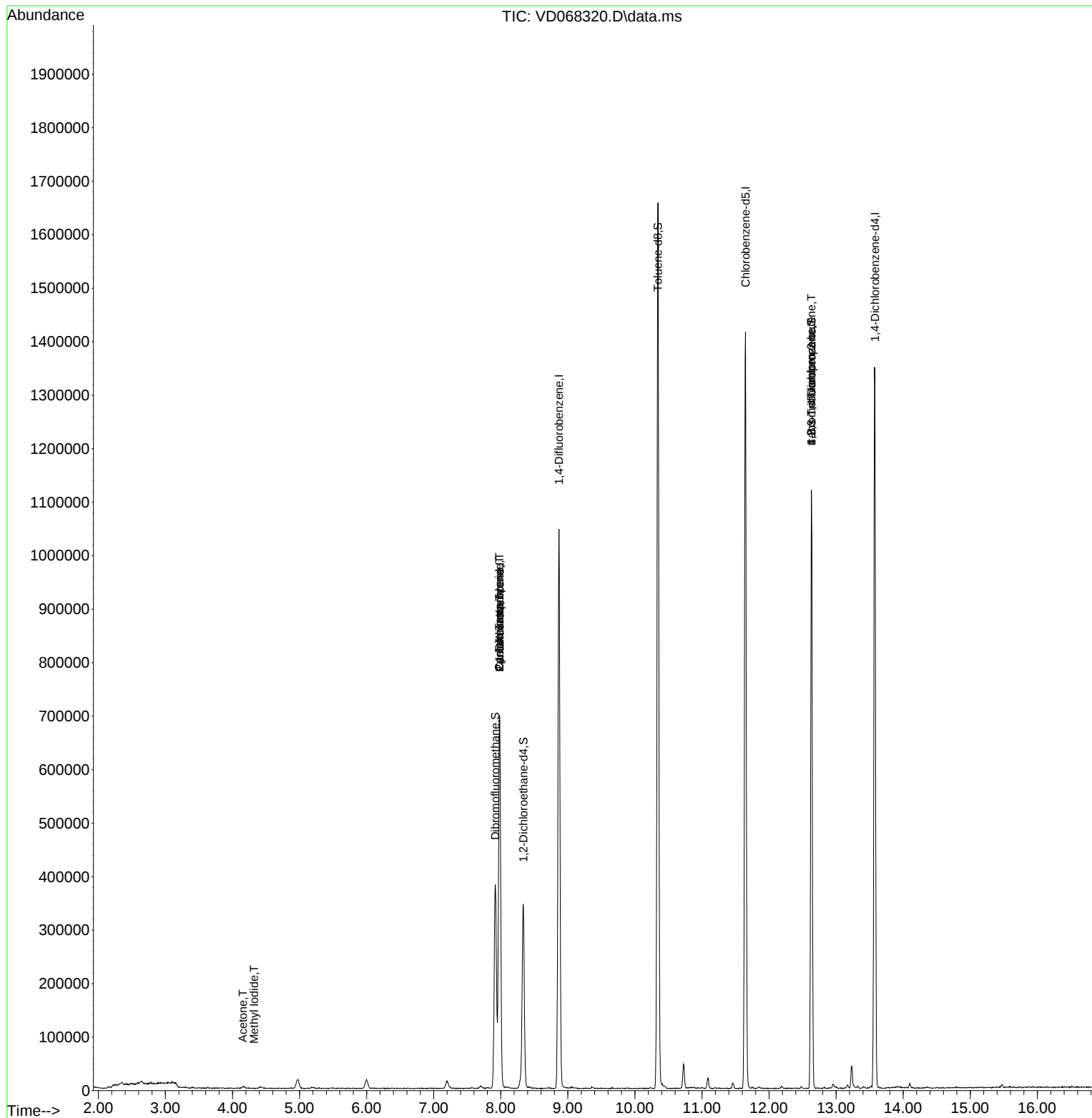
Internal Standards						
1) Pentafluorobenzene	7.985	168	538996	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	954821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	850153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	377023	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	276077	53.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.08%
35) Dibromofluoromethane	7.920	113	283324	53.67	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.34%
50) Toluene-d8	10.344	98	1179264	55.85	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	111.70%
62) 4-Bromofluorobenzene	12.632	95	375667	49.40	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.80%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.320	142	121	3.18	ug/l #	77
11) Tert butyl alcohol	5.191	59	194	Below Cal	#	74
16) Acetone	4.156	43	6411	6.96	ug/l	94
20) Methylene Chloride	4.979	84	14543	Below Cal		94
31) Cyclohexane	7.979	56	11659	1.04	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	42038	4.37	ug/l #	47
38) Carbon Tetrachloride	7.979	117	55555	6.16	ug/l #	16
76) 1,2,3-Trichloropropane	12.632	75	190115	52.15	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	190115	105.53	ug/l #	13

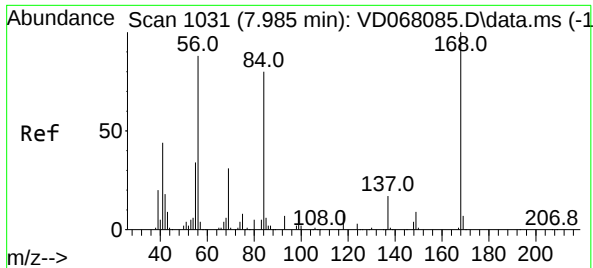
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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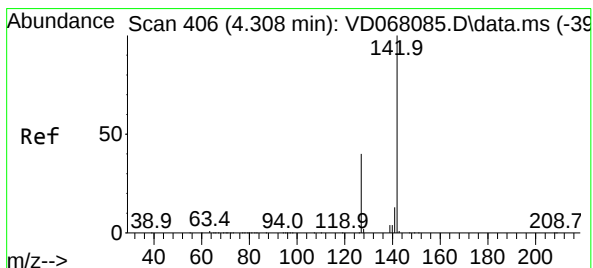
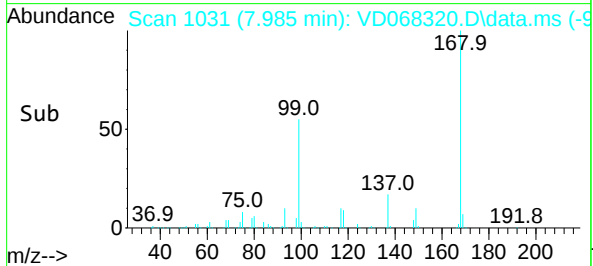
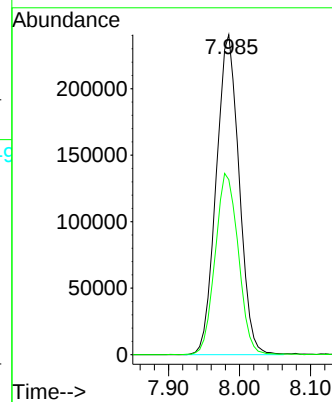
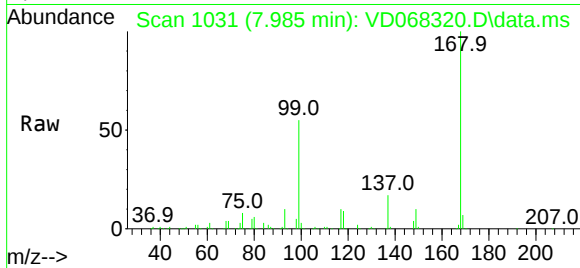




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

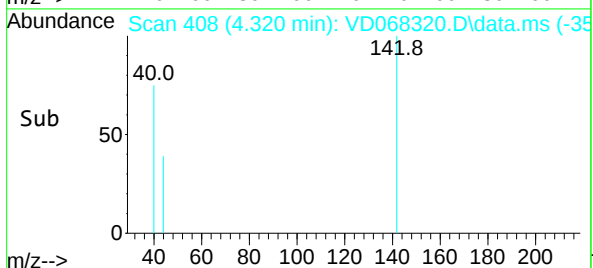
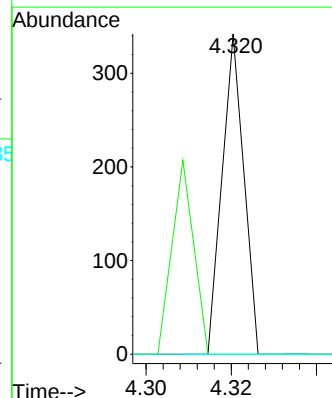
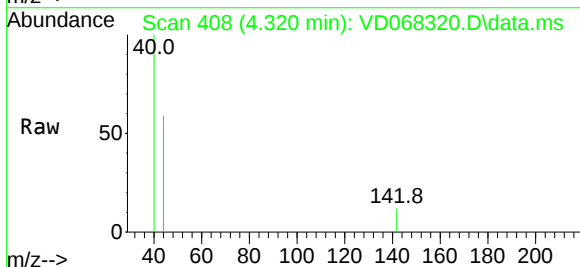
Instrument :
MSVOA_D
ClientSampled :

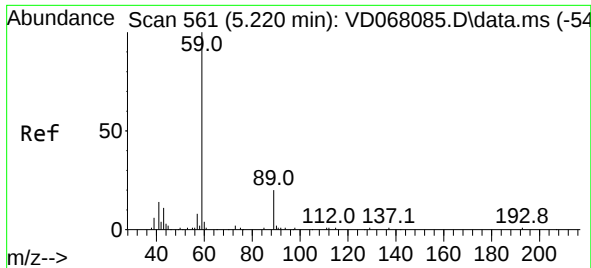
Tgt Ion:168 Resp: 538996
Ion Ratio Lower Upper
168 100
99 54.6 43.5 65.3



#10
Methyl Iodide
Concen: 3.18 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

Tgt Ion:142 Resp: 121
Ion Ratio Lower Upper
142 100
127 60.3 37.9 56.9#
141 0.0 11.5 17.3#

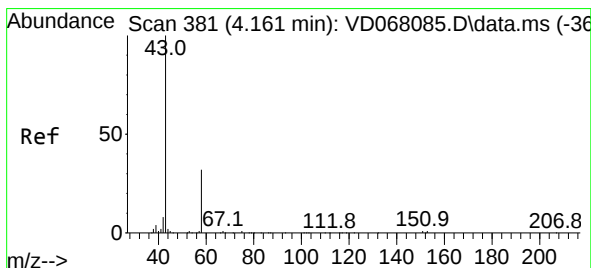
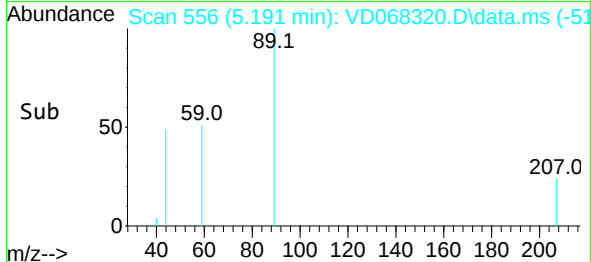
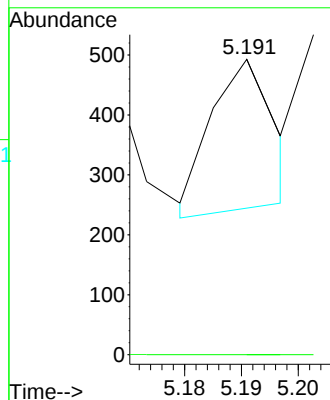
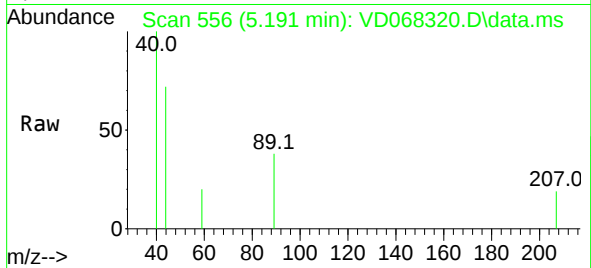




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

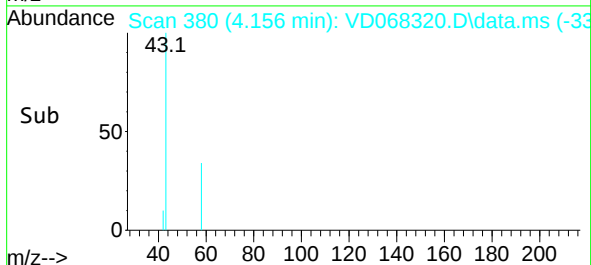
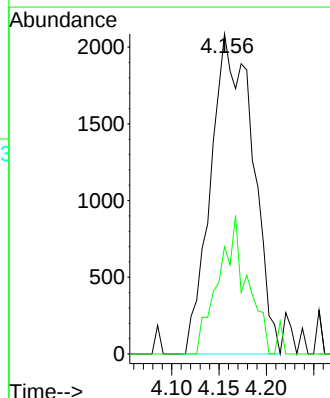
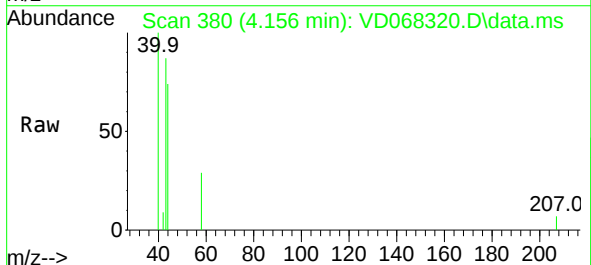
Instrument :
MSVOA_D
ClientSampled :

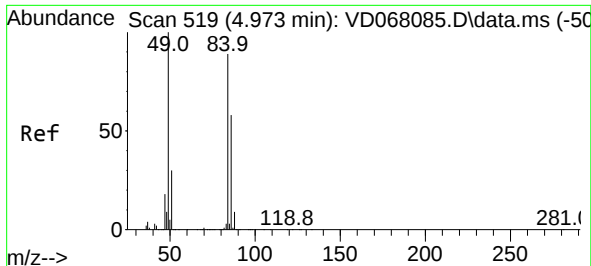
Tgt Ion: 59 Resp: 194
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 6.96 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

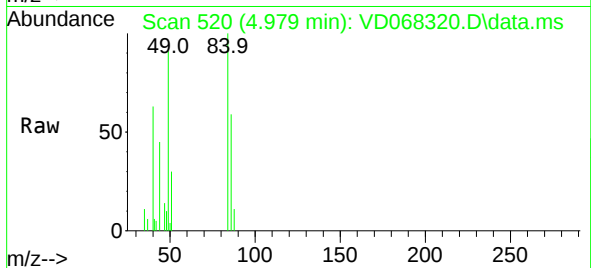
Tgt Ion: 43 Resp: 6411
Ion Ratio Lower Upper
43 100
58 33.5 24.2 36.4



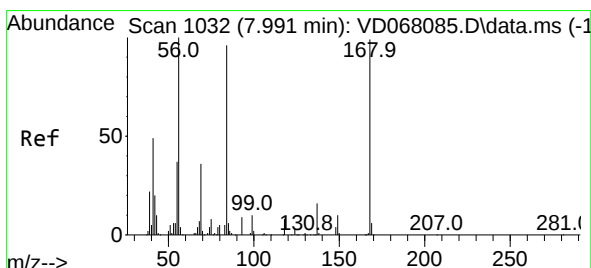
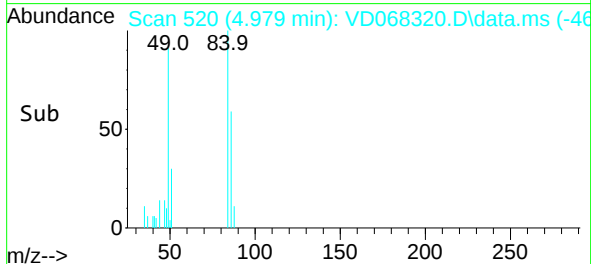
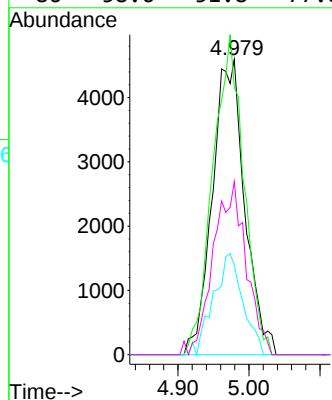


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

Instrument :
MSVOA_D
ClientSampleId :

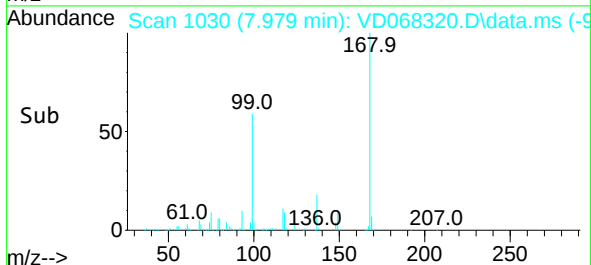
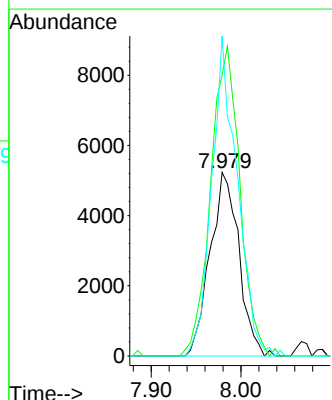
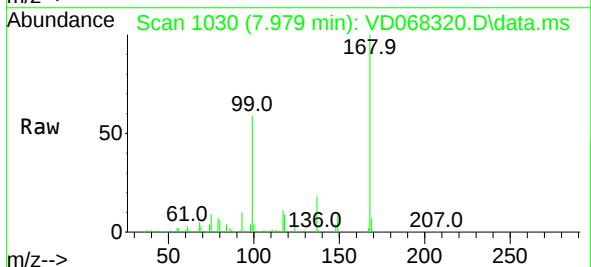


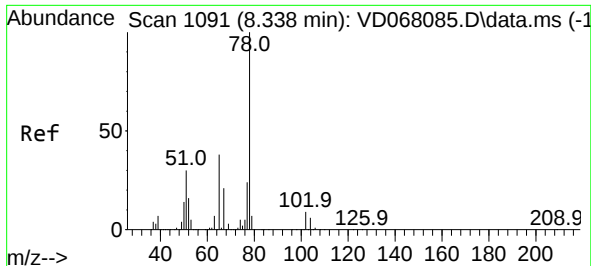
Tgt Ion:	84	Resp:	14543
Ion	Ratio	Lower	Upper
84	100		
49	90.5	77.4	116.2
51	30.4	26.1	39.1
86	58.6	51.8	77.8



#31
Cyclohexane
Concen: 1.04 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

Tgt Ion:	56	Resp:	11659
Ion	Ratio	Lower	Upper
56	100		
69	153.1	30.1	45.1#
84	174.4	82.1	123.1#

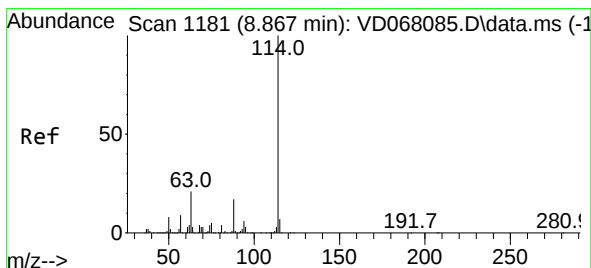
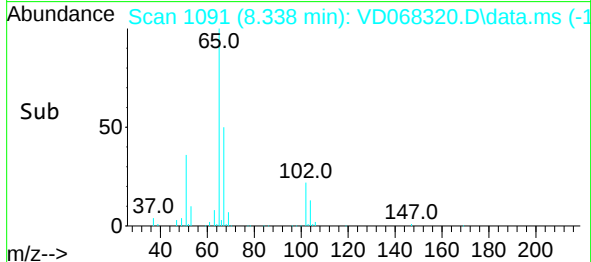
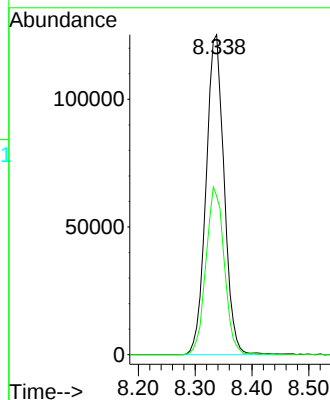
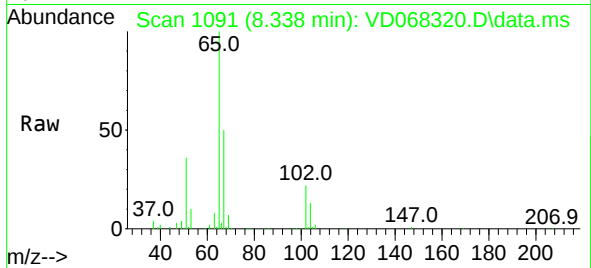




#33
1,2-Dichloroethane-d4
Concen: 53.54 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

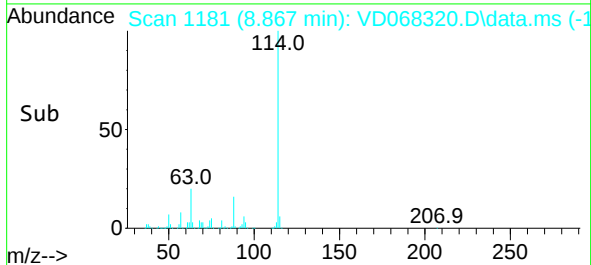
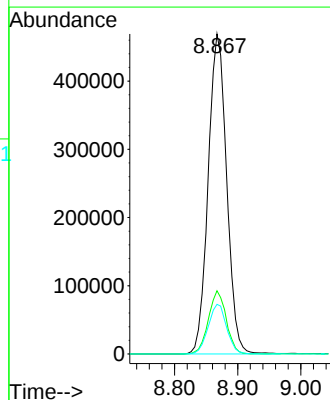
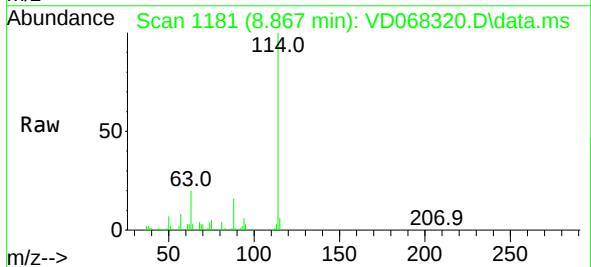
Instrument :
MSVOA_D
ClientSampled :

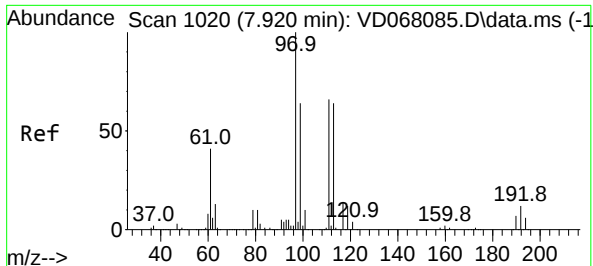
Tgt Ion: 65 Resp: 276077
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

Tgt Ion: 114 Resp: 954821
Ion Ratio Lower Upper
114 100
63 19.8 0.0 34.8
88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.67 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068320.D

Acq: 08 Feb 2021 16:19

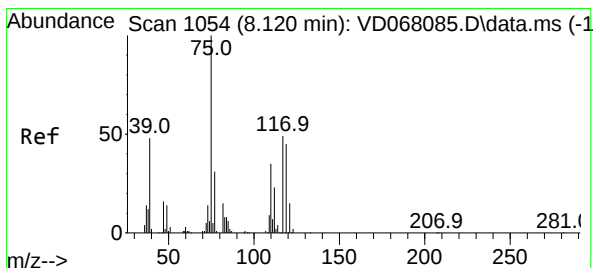
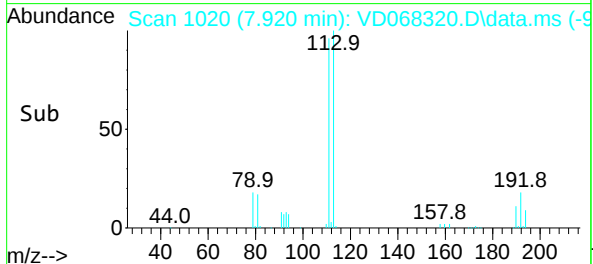
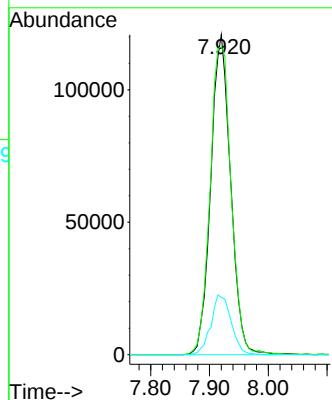
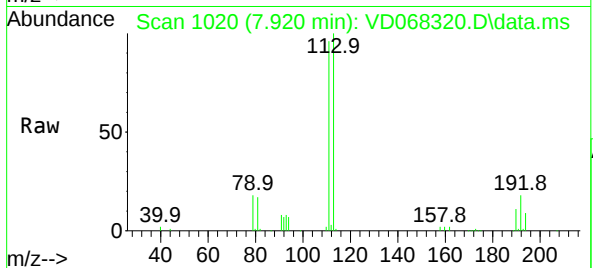
Tgt Ion:113 Resp: 283324

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 19.1 16.1 24.1



#36

1,1-Dichloropropene

Concen: 4.37 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.141 min

Lab File: VD068320.D

Acq: 08 Feb 2021 16:19

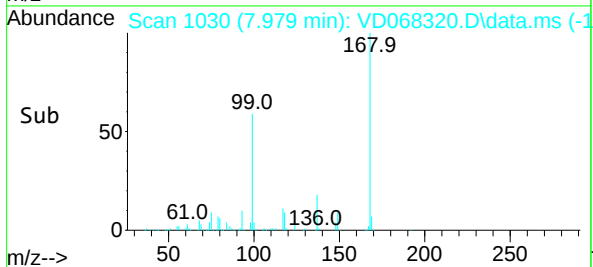
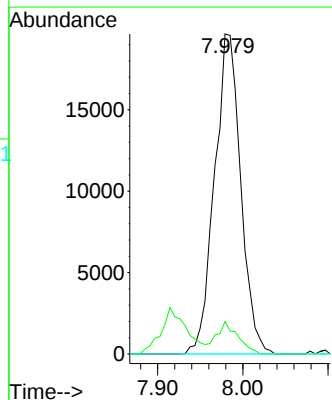
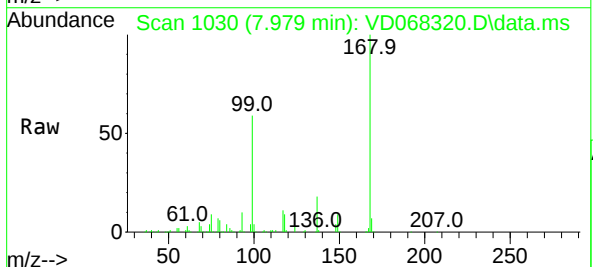
Tgt Ion: 75 Resp: 42038

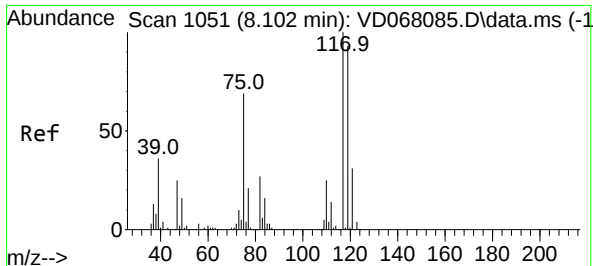
Ion Ratio Lower Upper

75 100

110 8.3 19.4 58.2#

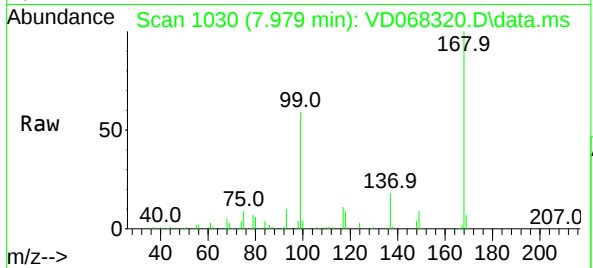
77 0.0 25.3 37.9#



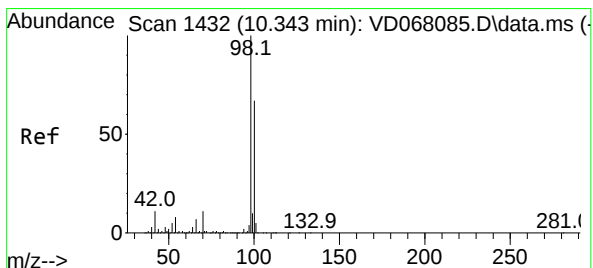
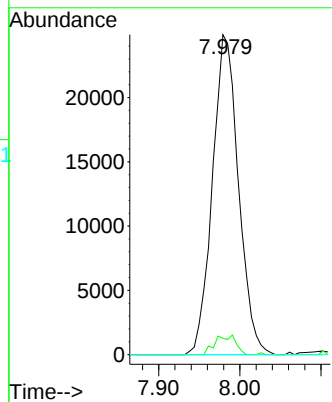
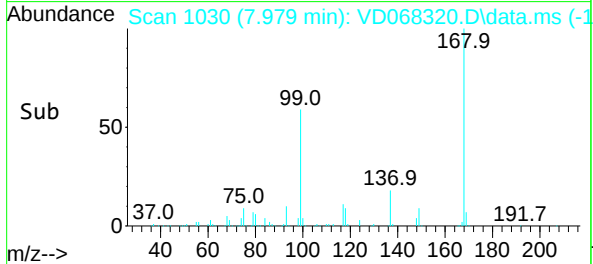


#38
Carbon Tetrachloride
Concen: 6.16 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

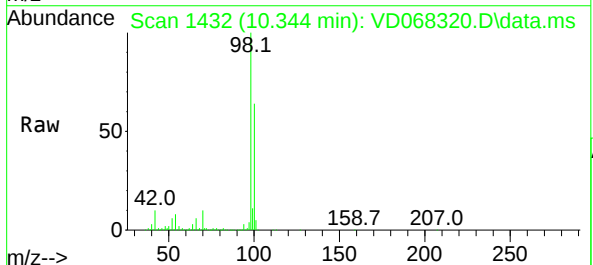
Instrument :
MSVOA_D
ClientSampled :



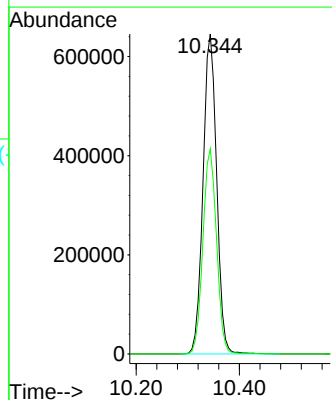
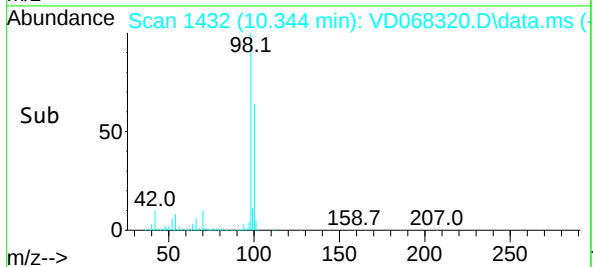
Tgt Ion:117 Resp: 55555
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.7 37.1#

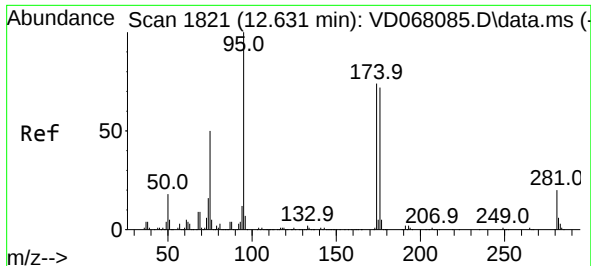


#50
Toluene-d8
Concen: 55.85 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19



Tgt Ion: 98 Resp: 1179264
Ion Ratio Lower Upper
98 100
100 64.0 53.0 79.4

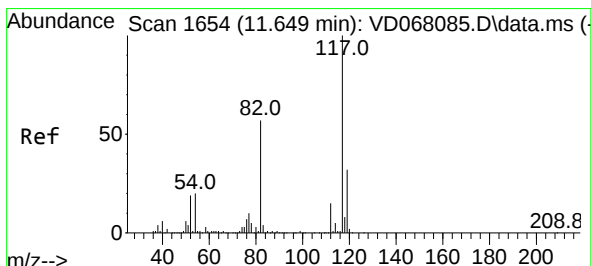
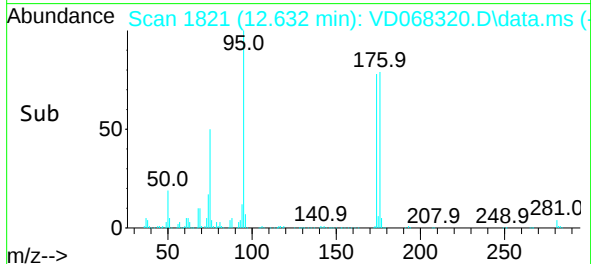
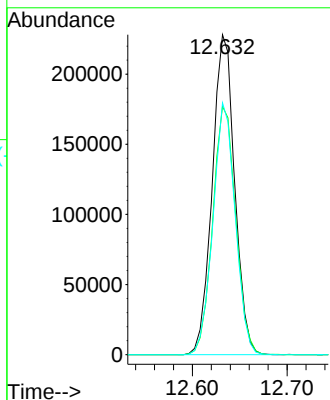
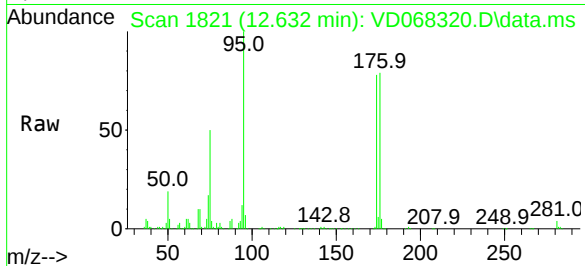




#62
4-Bromofluorobenzene
Concen: 49.40 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

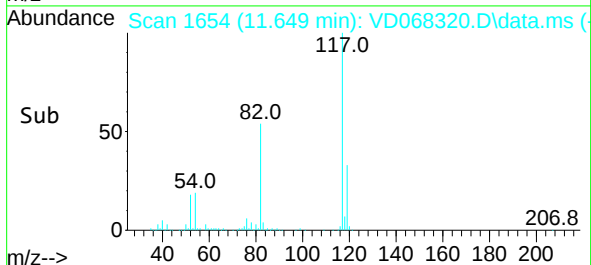
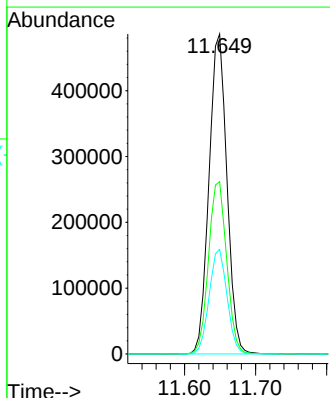
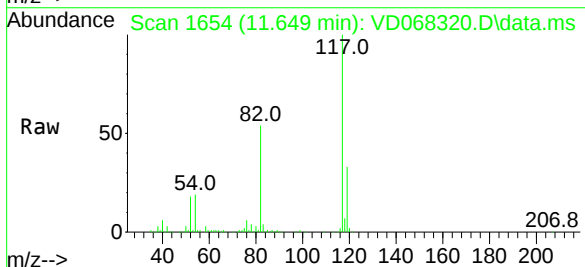
Instrument :
MSVOA_D
ClientSampled :

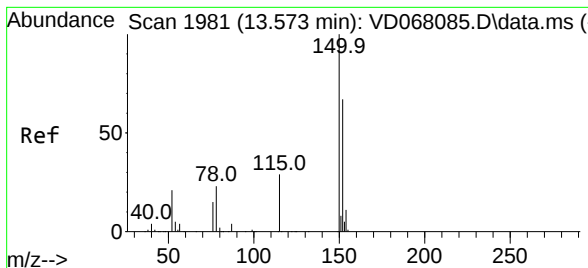
Tgt Ion: 95 Resp: 375667
Ion Ratio Lower Upper
95 100
174 79.6 0.0 172.4
176 77.9 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068320.D
Acq: 08 Feb 2021 16:19

Tgt Ion: 117 Resp: 850153
Ion Ratio Lower Upper
117 100
82 53.9 41.4 62.0
119 32.7 26.1 39.1

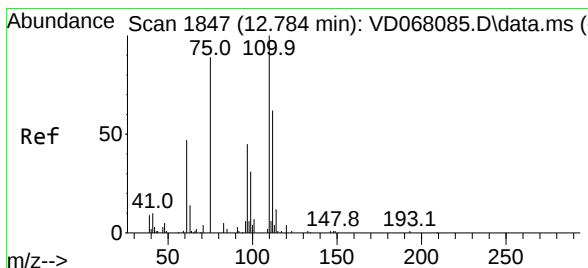
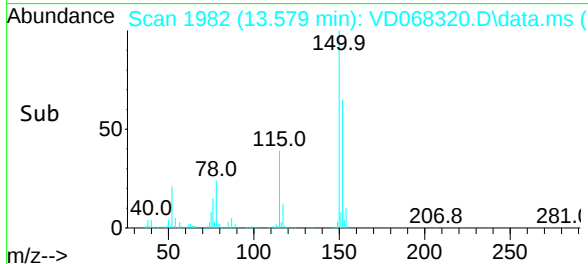
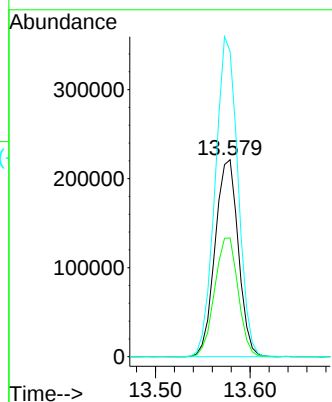
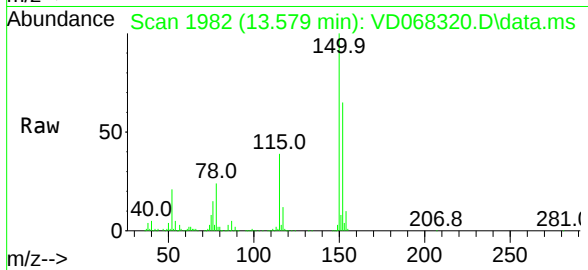




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.579 min Scan# 1982
 Delta R.T. 0.006 min
 Lab File: VD068320.D
 Acq: 08 Feb 2021 16:19

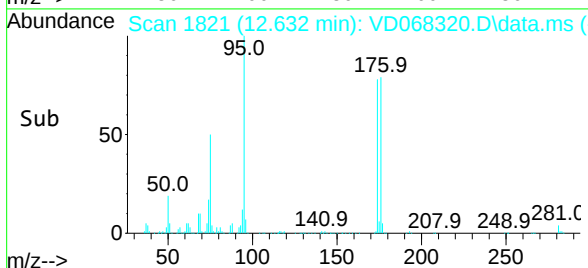
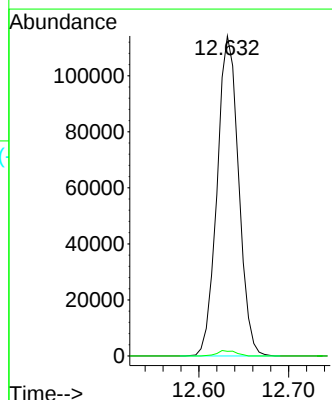
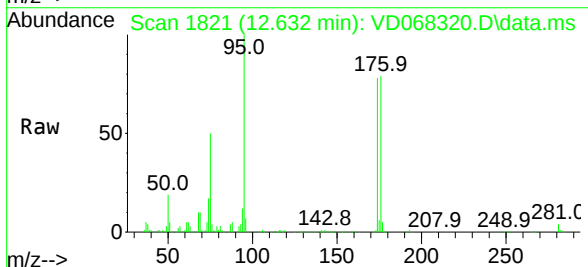
Instrument :
 MSVOA_D
 ClientSampleId :

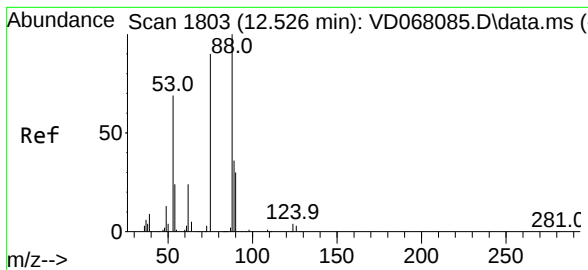
Tgt Ion:152 Resp: 377023
 Ion Ratio Lower Upper
 152 100
 115 60.9 28.9 86.8
 150 159.2 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 52.15 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. -0.153 min
 Lab File: VD068320.D
 Acq: 08 Feb 2021 16:19

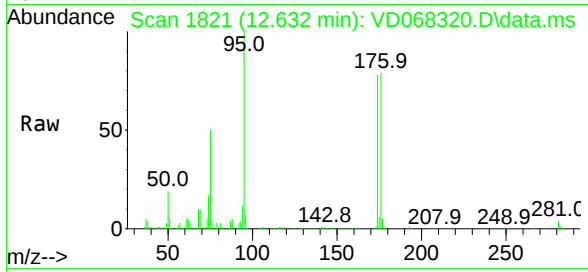
Tgt Ion: 75 Resp: 190115
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.53 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068320.D
 Acq: 08 Feb 2021 16:19

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 190115
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.2 105.2#
 89 0.0 40.3 60.5#

