

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042221\
 Data File : VD068953.D
 Acq On : 22 Apr 2021 15:23
 Operator : VA/SY
 Sample : M2107-06
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 23 08:46:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

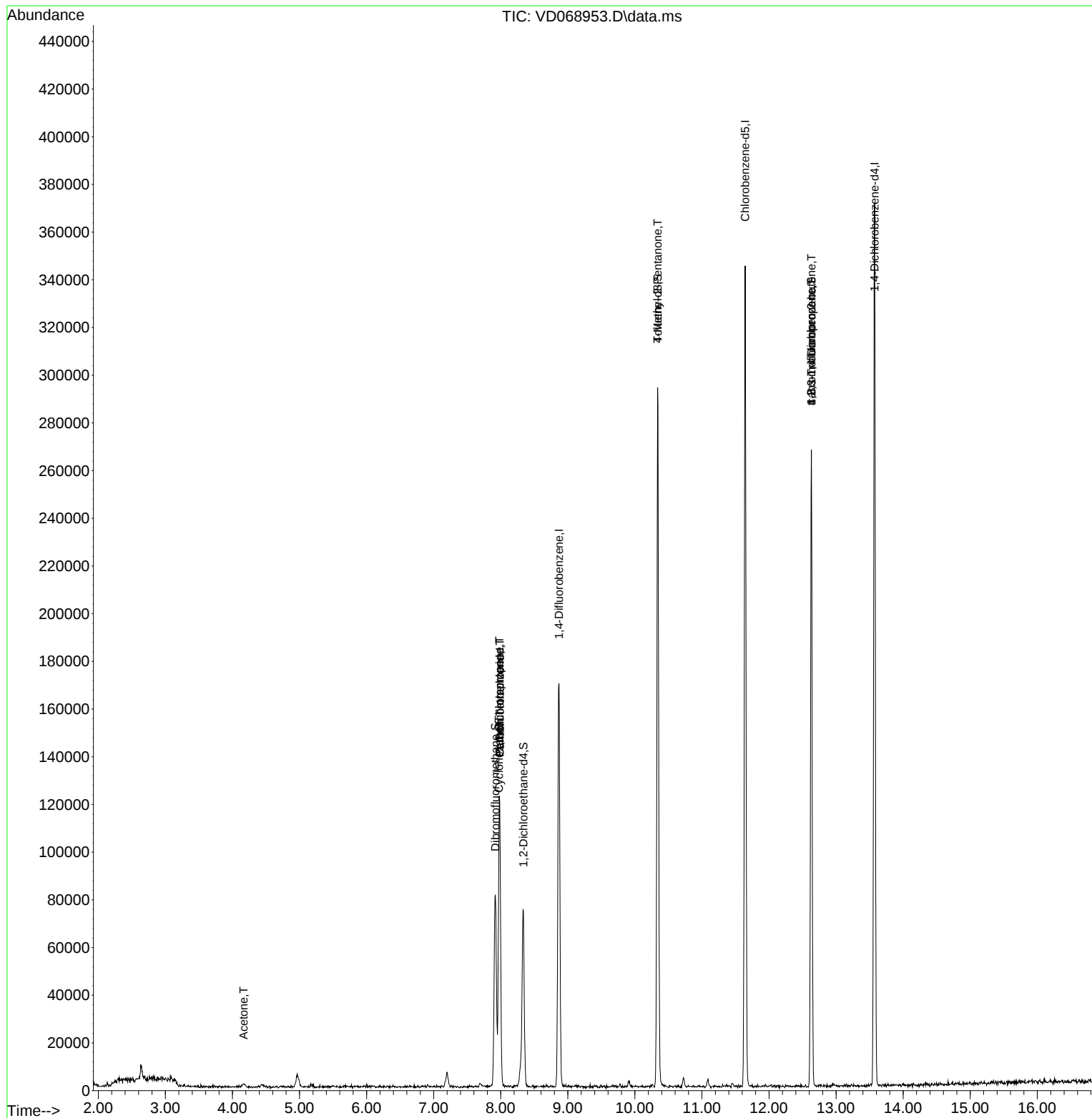
Internal Standards						
1) Pentafluorobenzene	7.985	168	95864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	157632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	204166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	107330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	57286	56.54	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.08%
35) Dibromofluoromethane	7.920	113	59704	58.23	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.46%
50) Toluene-d8	10.338	98	206381	53.36	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.72%
62) 4-Bromofluorobenzene	12.632	95	82093	63.91	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	127.82%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.191	59	741	Below Cal	#	73
16) Acetone	4.168	43	2031	14.48	ug/l #	82
20) Methylene Chloride	4.967	84	4371	Below Cal	#	78
31) Cyclohexane	7.973	56	1799	1.07	ug/l #	39
36) 1,1-Dichloropropene	7.979	75	7150	4.48	ug/l #	44
38) Carbon Tetrachloride	7.985	117	9216	5.83	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	764	1.59	ug/l #	1
76) 1,2,3-Trichloropropane	12.632	75	42227	43.07	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	42227	99.94	ug/l #	16

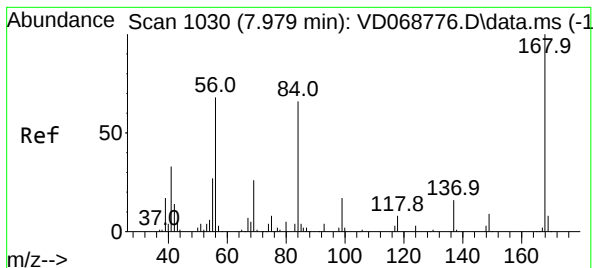
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

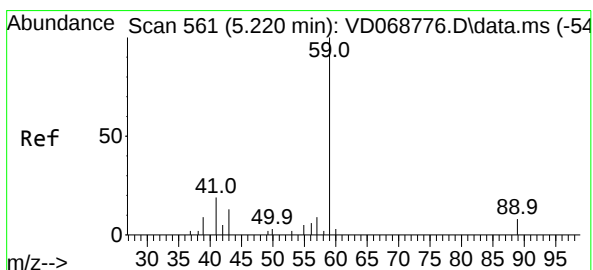
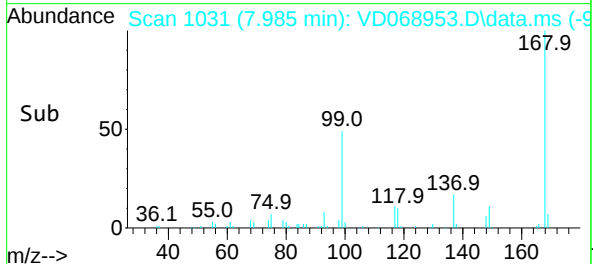
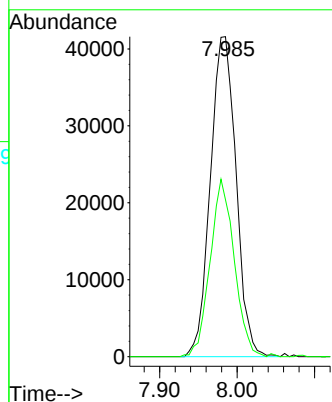
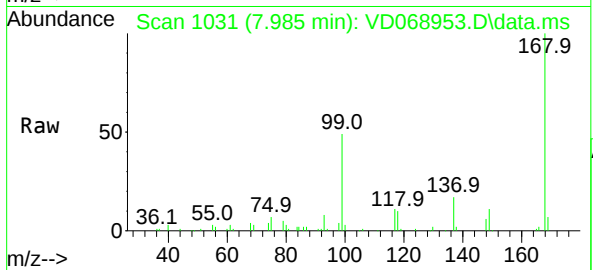




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

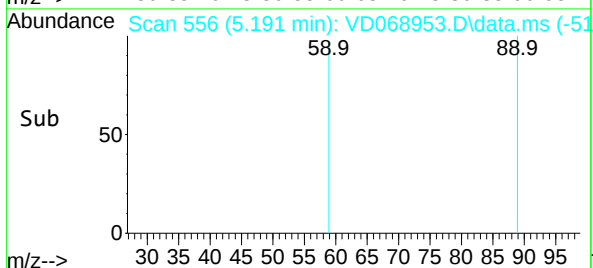
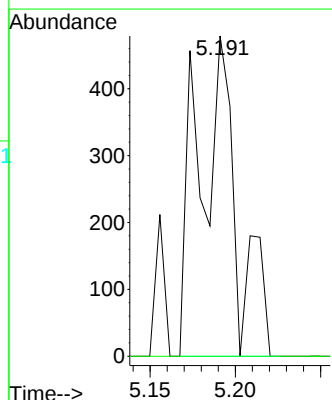
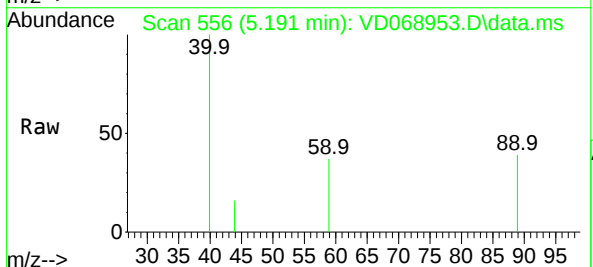
Instrument :
MSVOA_D
ClientSampled :

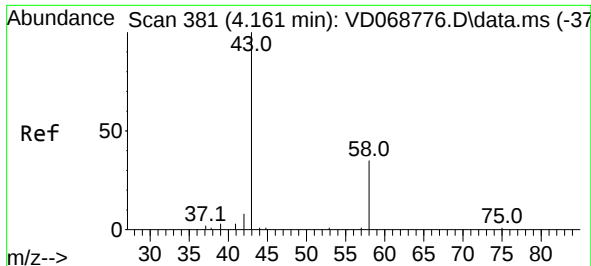
Tgt Ion:168 Resp: 95864
Ion Ratio Lower Upper
168 100
99 49.1 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

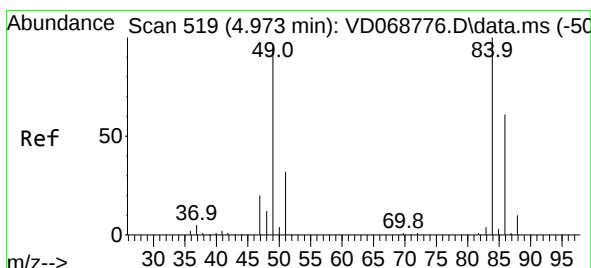
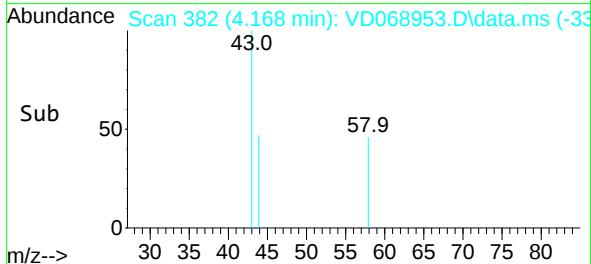
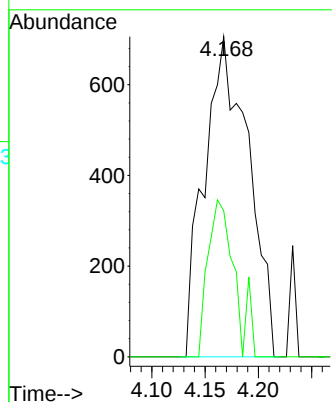
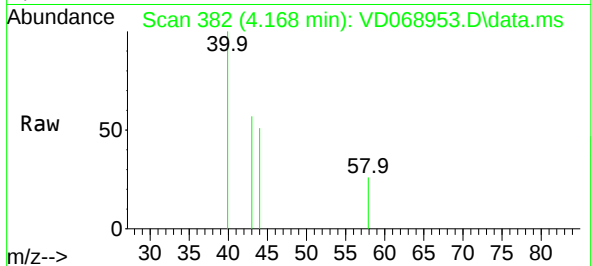




#16
Acetone
Concen: 14.48 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.007 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

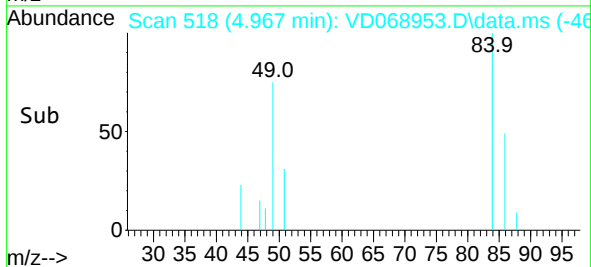
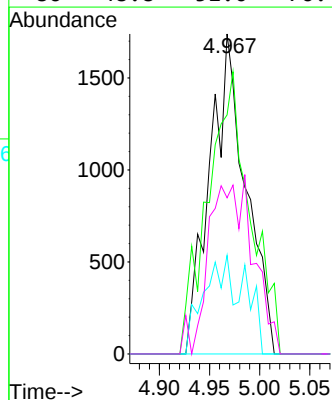
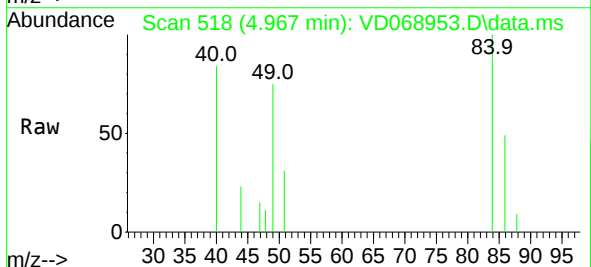
Instrument :
MSVOA_D
ClientSampleId :

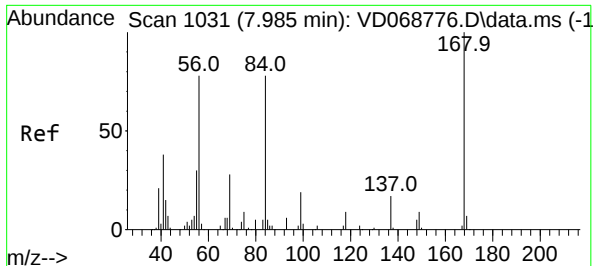
Tgt Ion: 43 Resp: 2031
Ion Ratio Lower Upper
43 100
58 45.6 28.0 42.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

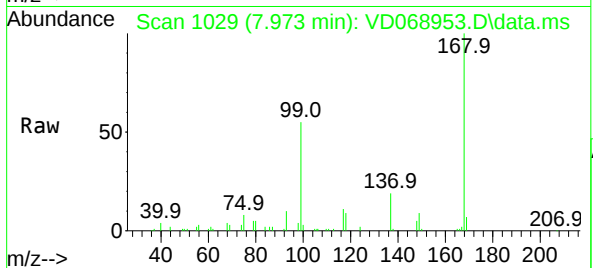
Tgt Ion: 84 Resp: 4371
Ion Ratio Lower Upper
84 100
49 74.7 83.4 125.0#
51 30.8 23.4 35.2
86 48.8 51.0 76.4#



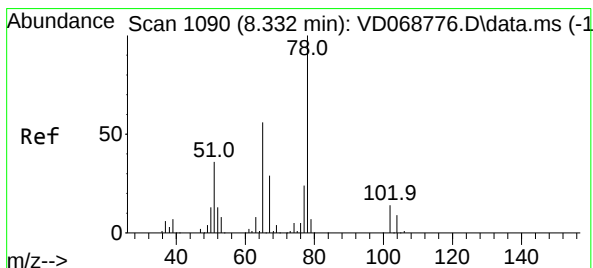
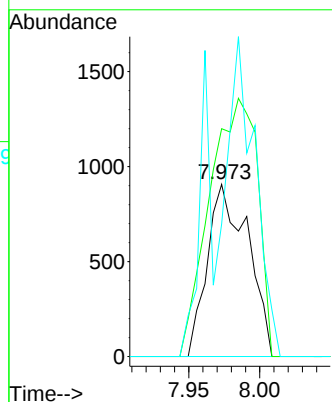
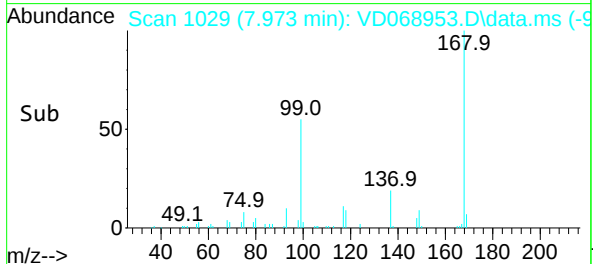


#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

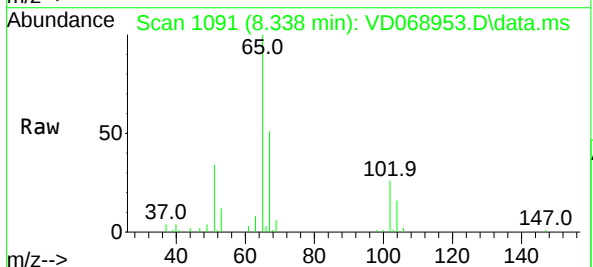
Instrument :
MSVOA_D
ClientSampleId :



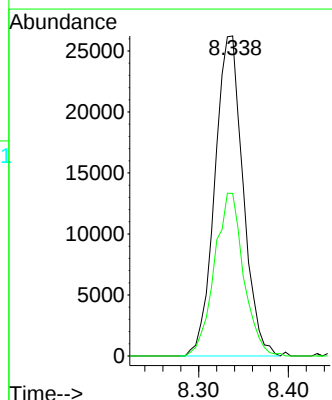
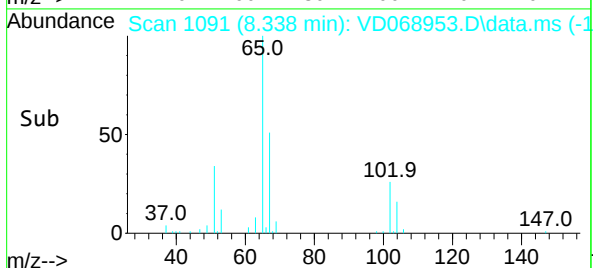
Tgt Ion: 56 Resp: 1799
Ion Ratio Lower Upper
56 100
69 132.3 30.0 45.0#
84 77.0 82.0 123.0#

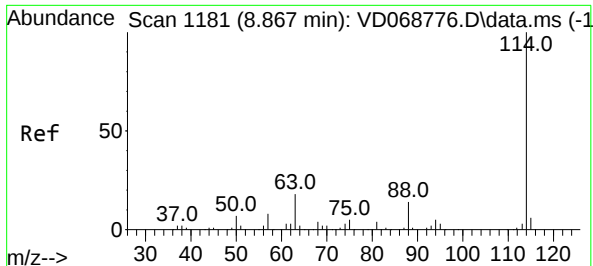


#33
1,2-Dichloroethane-d4
Concen: 56.54 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.006 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23



Tgt Ion: 65 Resp: 57286
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0

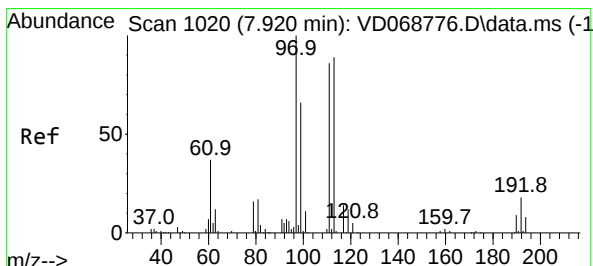
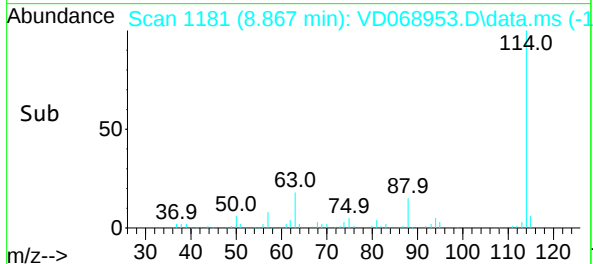
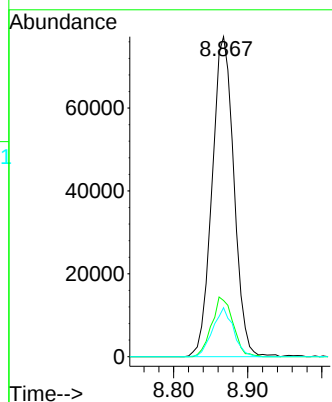
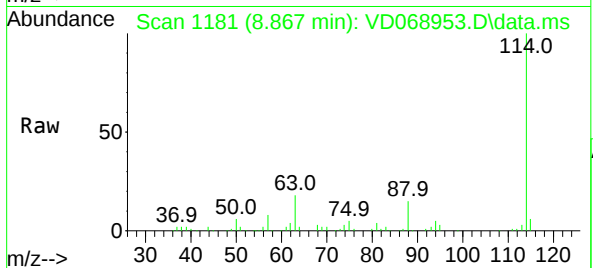




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

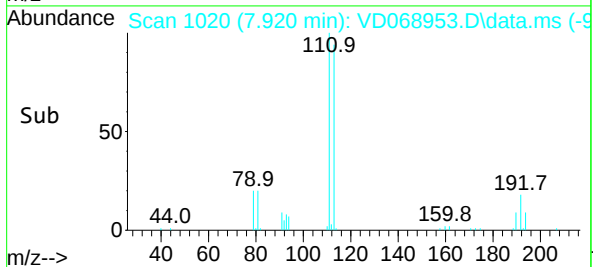
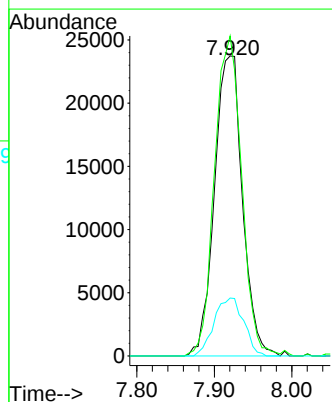
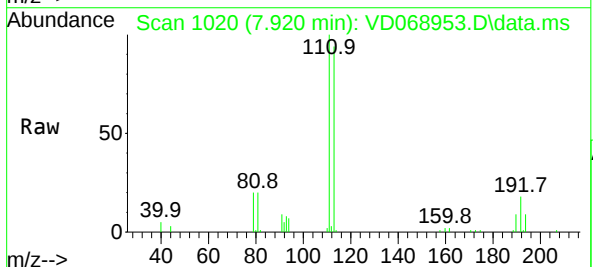
Instrument :
MSVOA_D
ClientSampled :

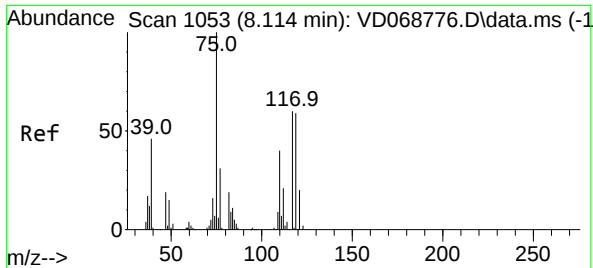
Tgt Ion:114 Resp: 157632
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.2
88 15.3 0.0 29.4



#35
Dibromofluoromethane
Concen: 58.23 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

Tgt Ion:113 Resp: 59704
Ion Ratio Lower Upper
113 100
111 103.1 82.5 123.7
192 20.4 15.1 22.7

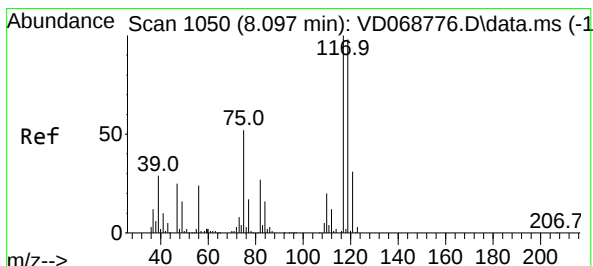
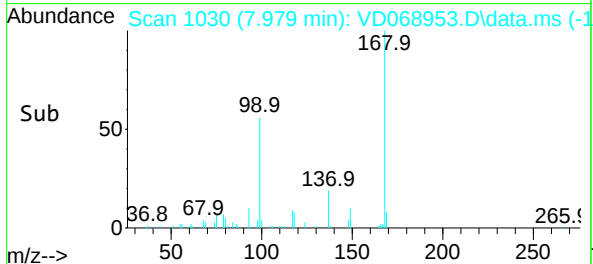
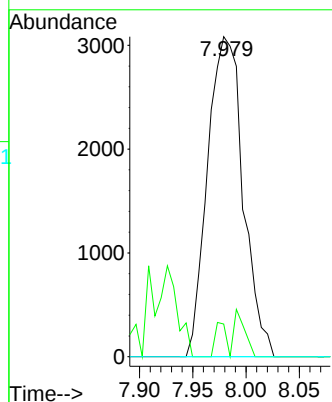
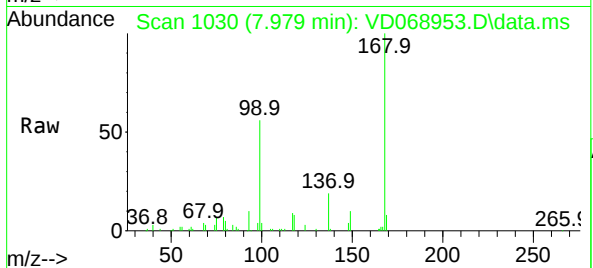




#36
1,1-Dichloropropene
Concen: 4.48 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

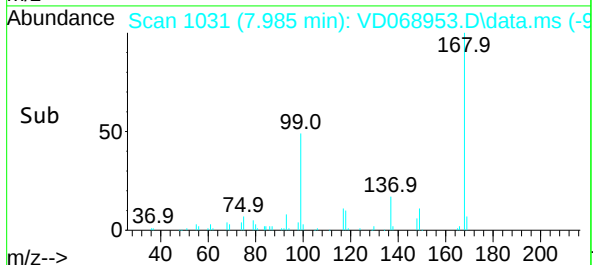
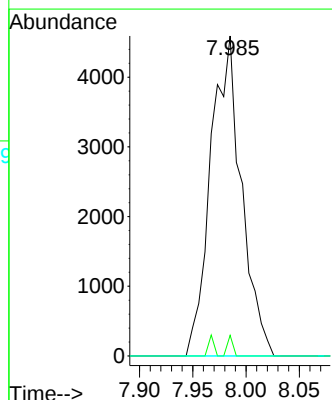
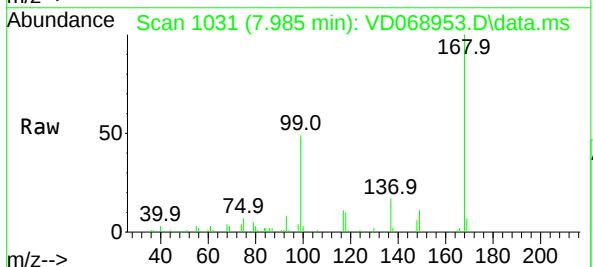
Instrument :
MSVOA_D
ClientSampled :

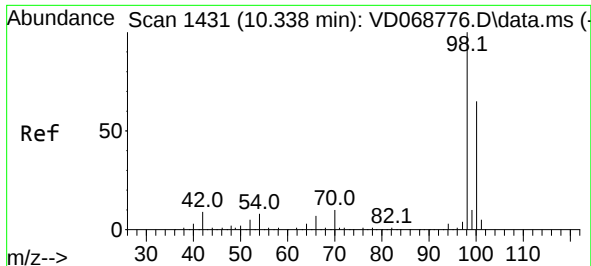
Tgt Ion: 75 Resp: 7150
Ion Ratio Lower Upper
75 100
110 3.2 18.1 54.4#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.83 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

Tgt Ion: 117 Resp: 9216
Ion Ratio Lower Upper
117 100
119 6.4 76.6 115.0#
121 0.0 26.1 39.1#

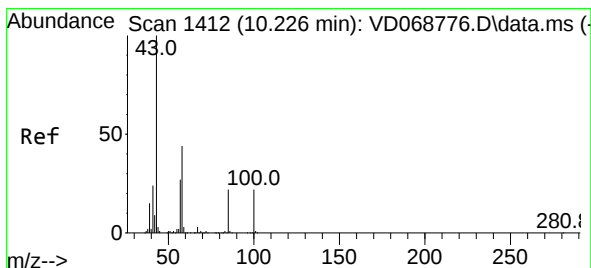
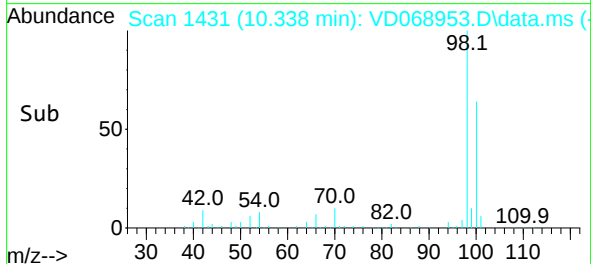
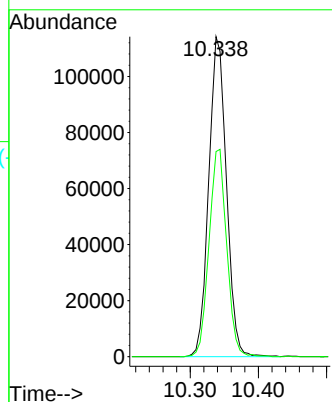
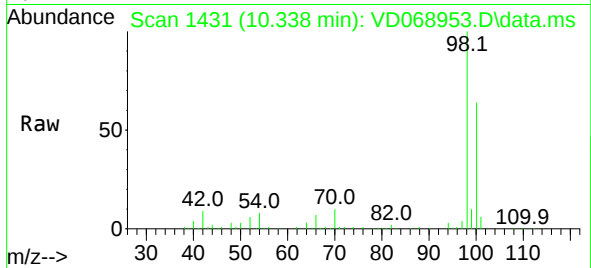




#50
Toluene-d8
Concen: 53.36 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

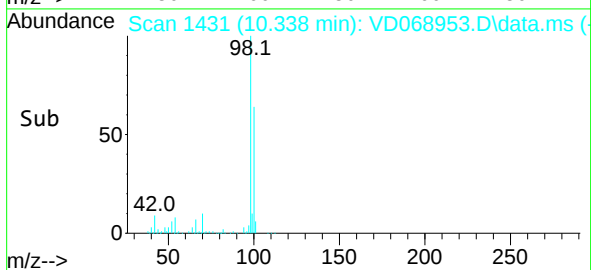
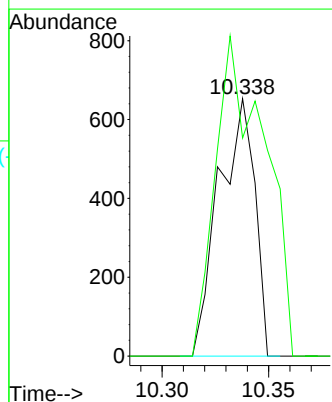
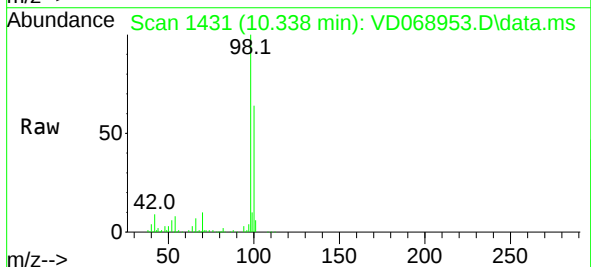
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MSVOA_D
ClientSampleId :

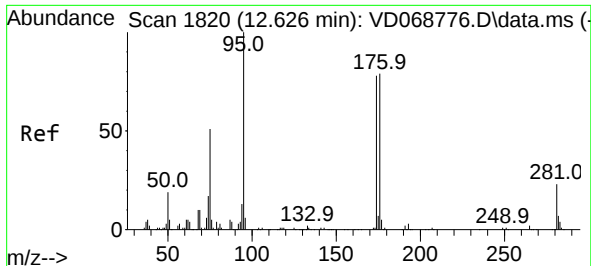
Tgt Ion: 98 Resp: 206381
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.59 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

Tgt Ion: 43 Resp: 764
Ion Ratio Lower Upper
43 100
58 170.7 37.3 55.9#

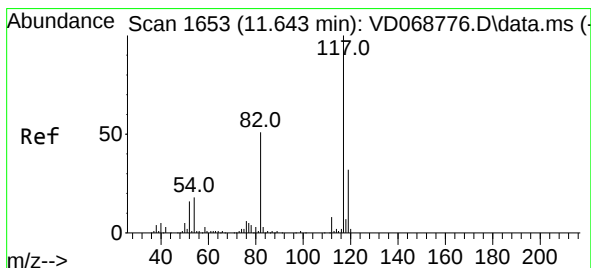
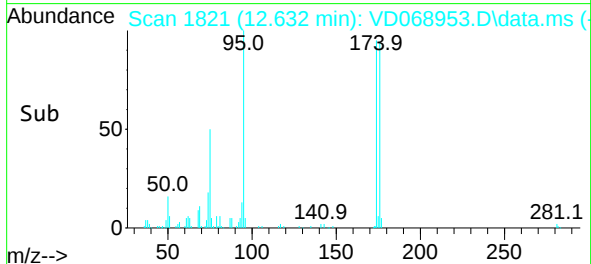
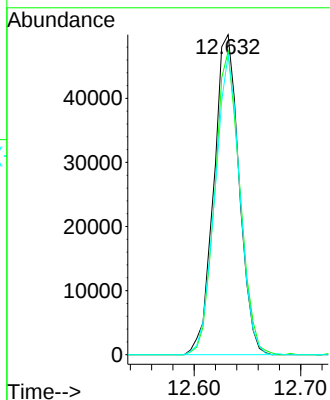
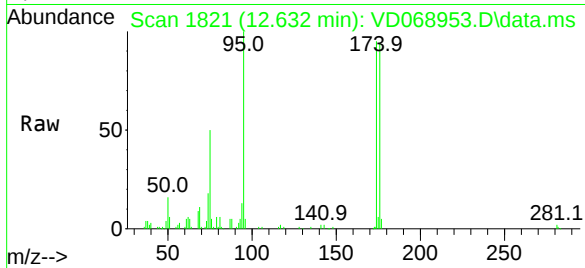




#62
4-Bromofluorobenzene
Concen: 63.91 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

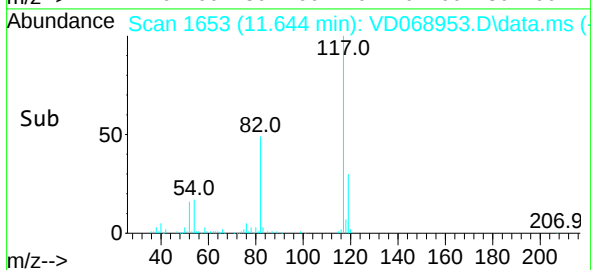
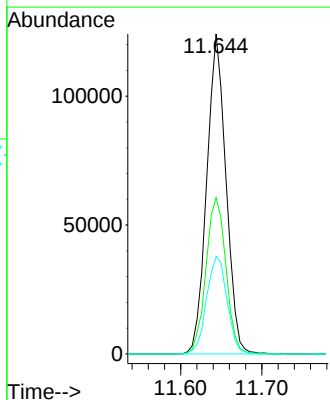
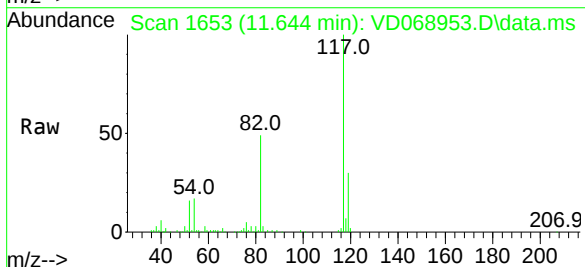
Instrument :
MSVOA_D
ClientSampleId :

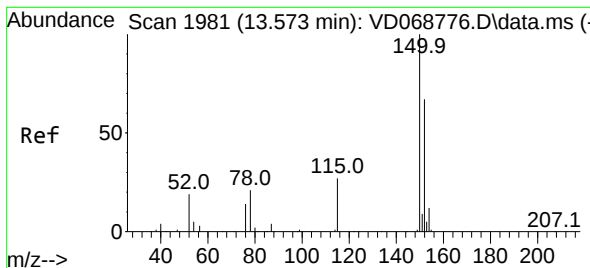
Tgt Ion: 95 Resp: 82093
Ion Ratio Lower Upper
95 100
174 93.9 0.0 168.0
176 91.9 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

Tgt Ion:117 Resp: 204166
Ion Ratio Lower Upper
117 100
82 48.9 43.5 65.3
119 30.4 26.7 40.1

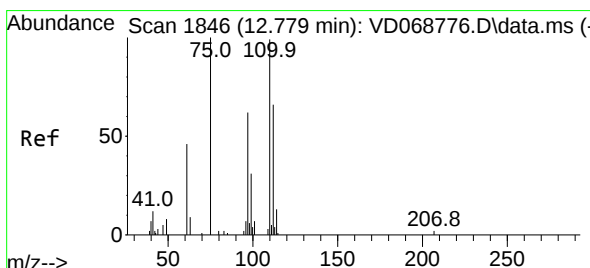
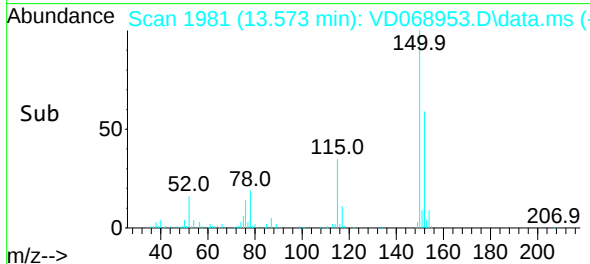
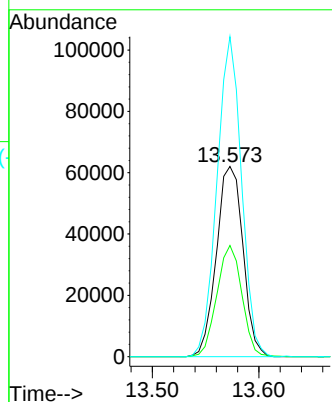
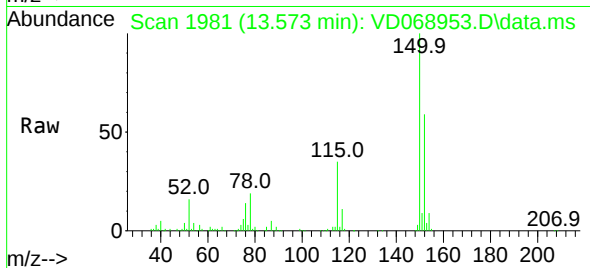




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

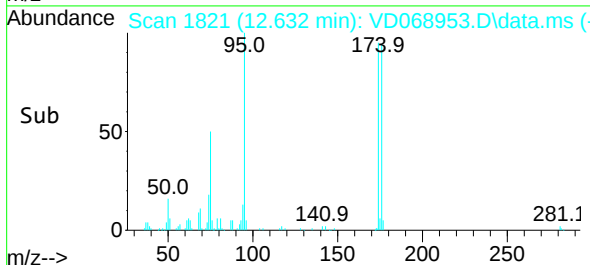
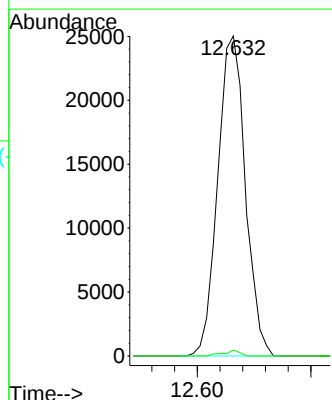
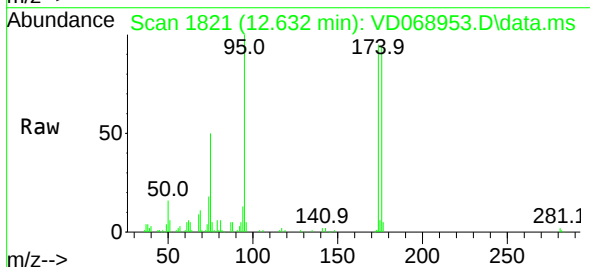
Instrument :
MSVOA_D
ClientSampled :

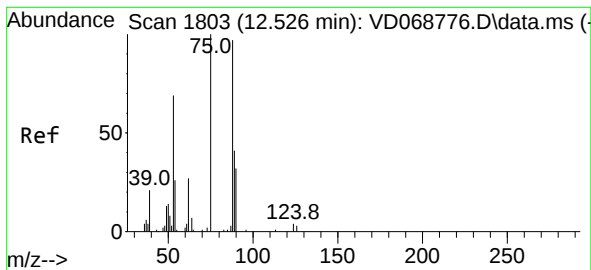
Tgt Ion:152 Resp: 107330
Ion Ratio Lower Upper
152 100
115 55.1 29.3 87.8
150 155.2 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 43.07 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068953.D
Acq: 22 Apr 2021 15:23

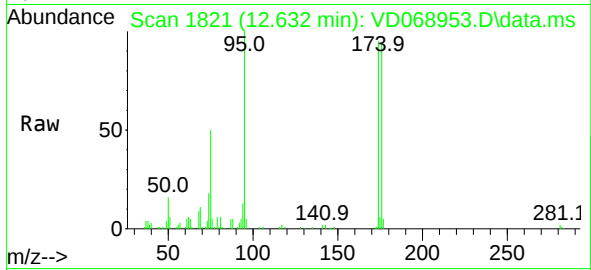
Tgt Ion: 75 Resp: 42227
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.94 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068953.D
 Acq: 22 Apr 2021 15:23

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 42227

Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	36.6	54.8#

