

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042121\
 Data File : VD068922.D
 Acq On : 21 Apr 2021 12:53
 Operator : VA/SY
 Sample : VD0421SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 22 10:18:46 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)

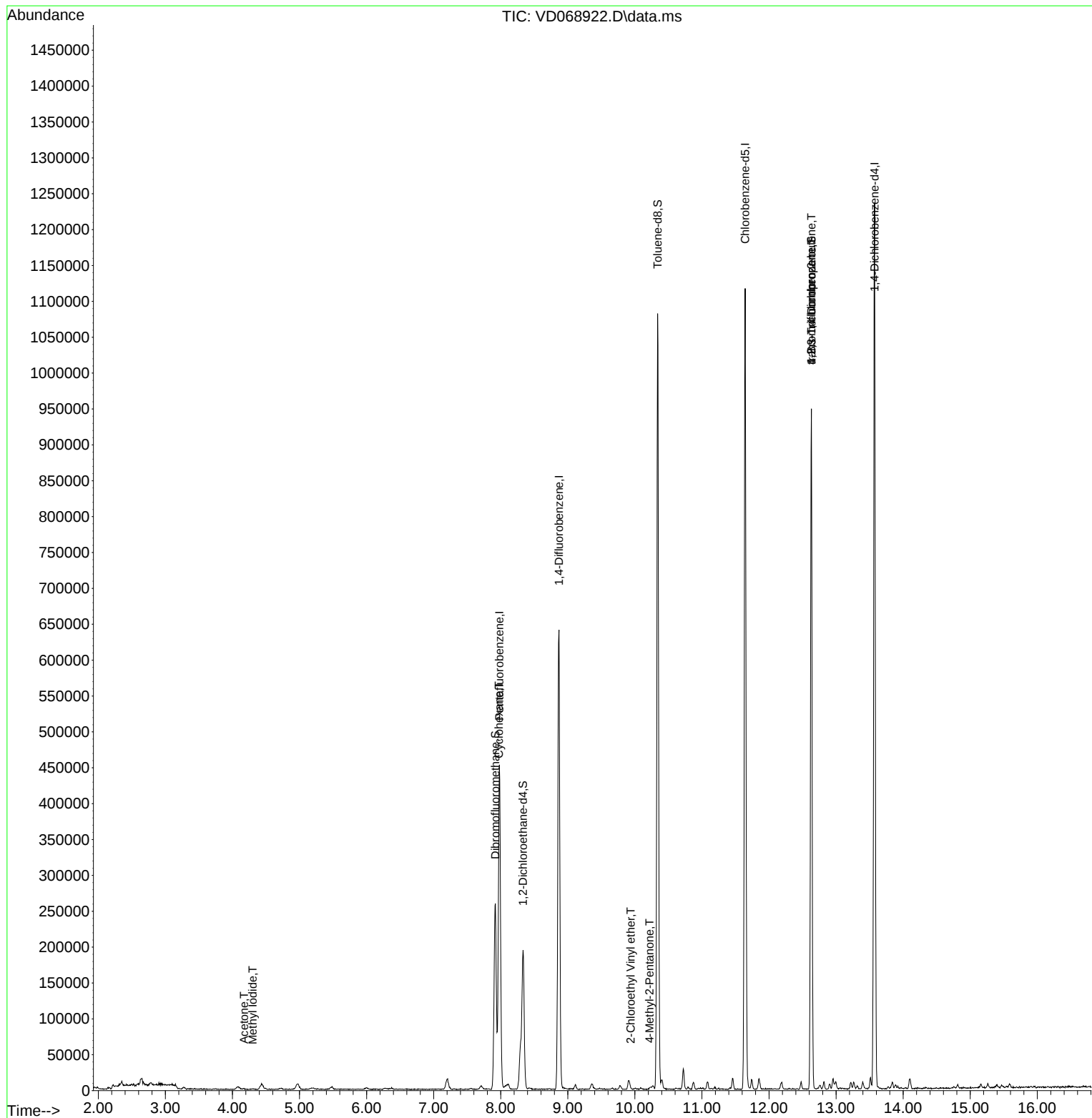
Internal Standards						
1) Pentafluorobenzene	7.979	168	338974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	594077	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	662247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	340264	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	149919	41.85	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.70%		
35) Dibromofluoromethane	7.920	113	187168	48.44	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.88%		
50) Toluene-d8	10.338	98	757145	51.94	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.88%		
62) 4-Bromofluorobenzene	12.632	95	298160	61.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	123.18%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	1107	2.50	ug/l #	83
11) Tert butyl alcohol	5.185	59	1111	Below Cal	#	73
16) Acetone	4.173	43	1908	3.85	ug/l #	81
20) Methylene Chloride	4.979	84	6849	Below Cal	#	86
31) Cyclohexane	7.973	56	9755	1.64	ug/l #	32
51) 4-Methyl-2-Pentanone	10.220	43	2624	1.45	ug/l #	72
58) 2-Chloroethyl Vinyl ether	9.938	63	613	17.31	ug/l #	62
76) 1,2,3-Trichloropropane	12.632	75	146366	47.09	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	146366	109.27	ug/l #	16

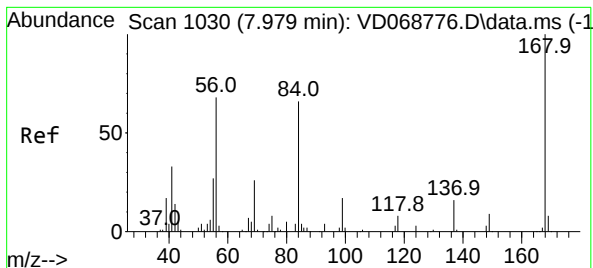
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

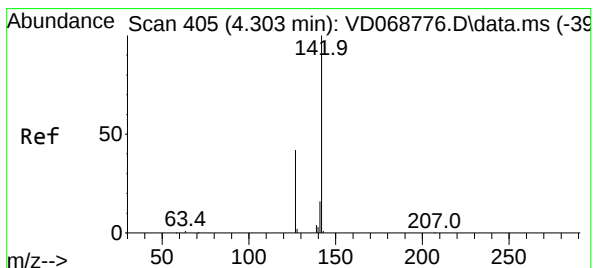
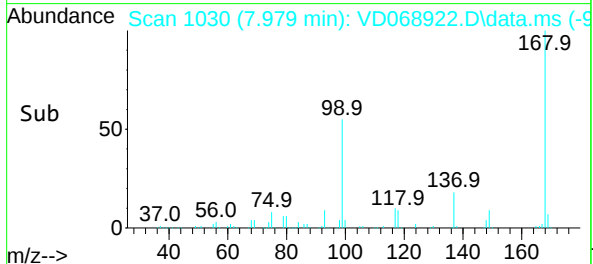
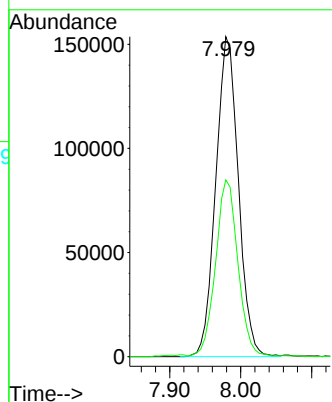
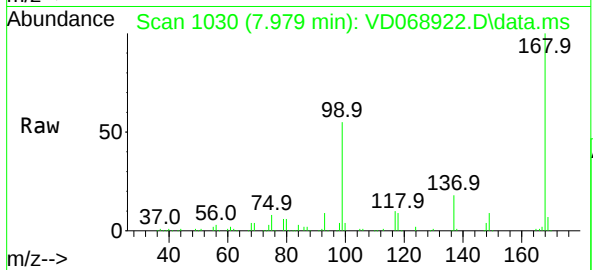




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

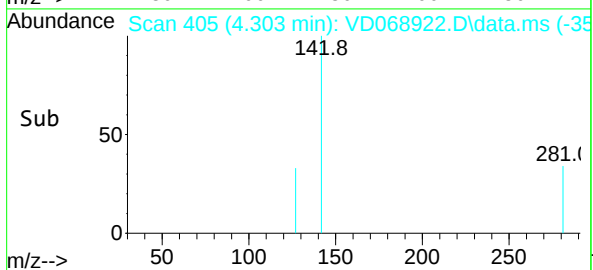
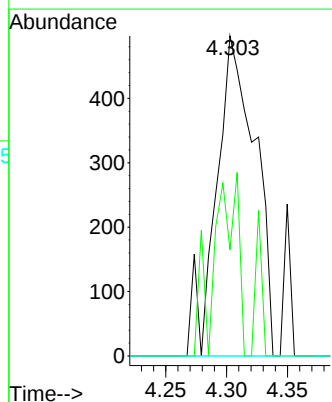
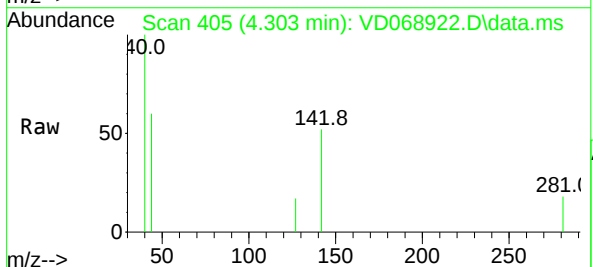
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 338974
Ion Ratio Lower Upper
168 100
99 55.0 46.2 69.2



#10
Methyl Iodide
Concen: 2.50 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

Tgt Ion:142 Resp: 1107
Ion Ratio Lower Upper
142 100
127 35.5 34.7 52.1
141 0.0 11.0 16.4#

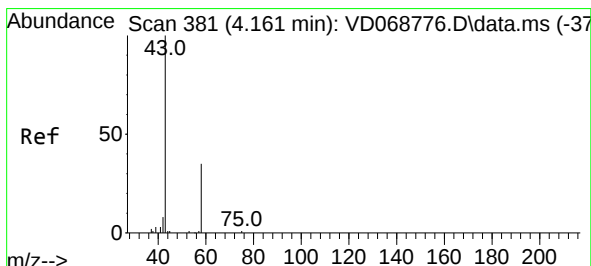
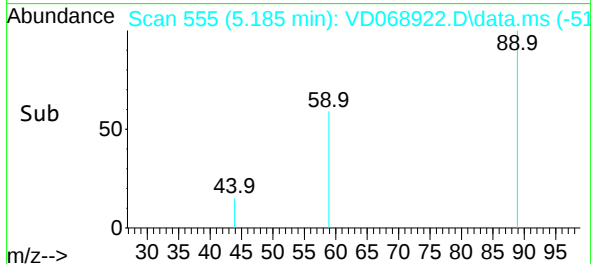
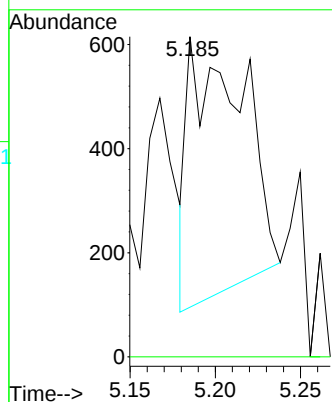
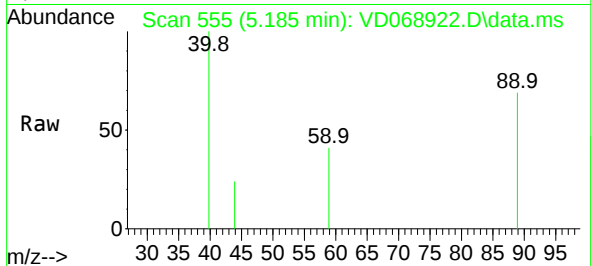




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

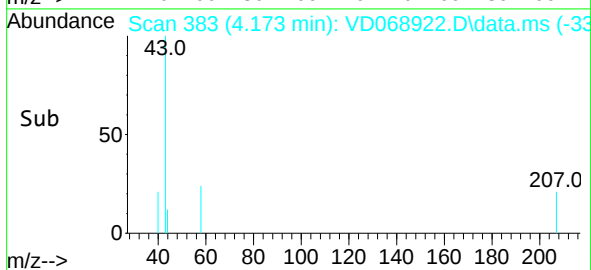
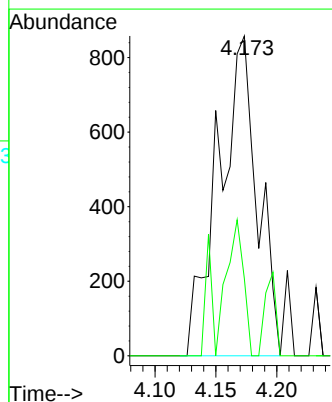
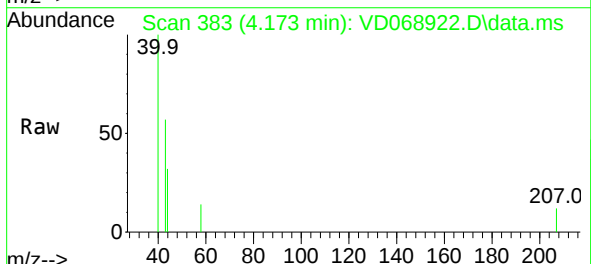
Instrument :
MSVOA_D
ClientSampleId :

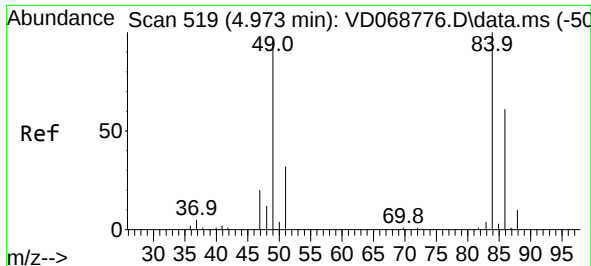
Tgt Ion: 59 Resp: 1111
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 3.85 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

Tgt Ion: 43 Resp: 1908
Ion Ratio Lower Upper
43 100
58 24.1 28.0 42.0#





#20

Methylene Chloride

Concen: Below Cal

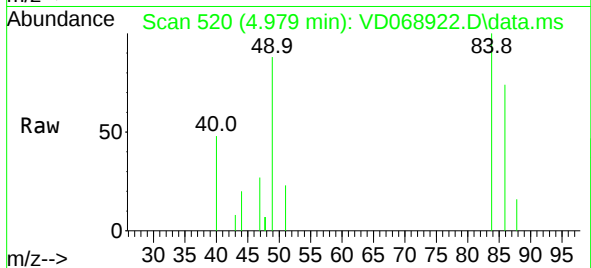
RT: 4.979 min Scan# 520

Delta R.T. 0.006 min

Lab File: VD068922.D

Acq: 21 Apr 2021 12:53

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 6849

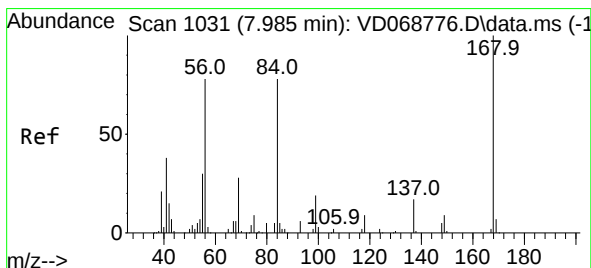
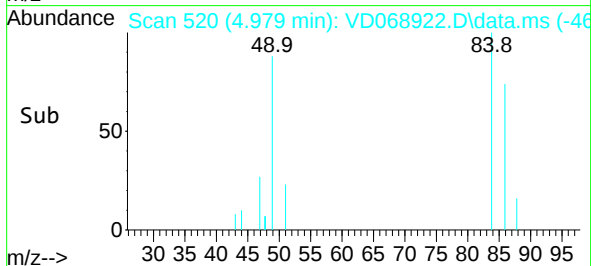
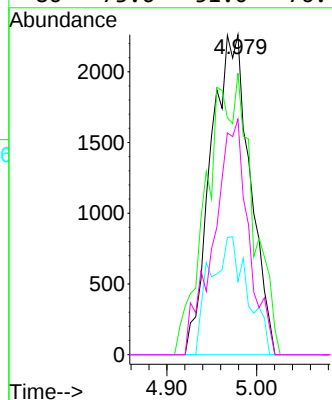
Ion Ratio Lower Upper

84 100

49 87.9 83.4 125.0

51 22.9 23.4 35.2#

86 73.6 51.0 76.4



#31

Cyclohexane

Concen: 1.64 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD068922.D

Acq: 21 Apr 2021 12:53

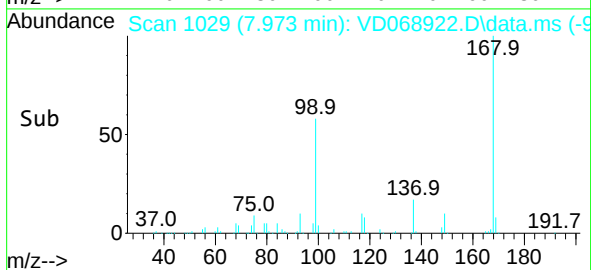
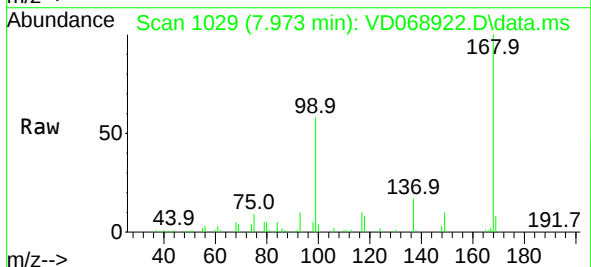
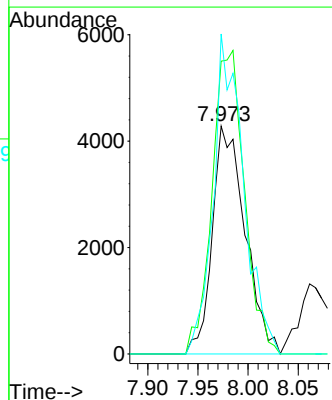
Tgt Ion: 56 Resp: 9755

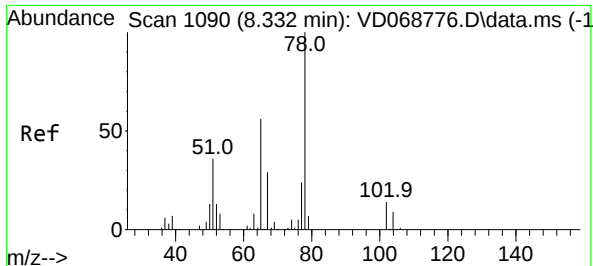
Ion Ratio Lower Upper

56 100

69 128.5 30.0 45.0#

84 140.4 82.0 123.0#

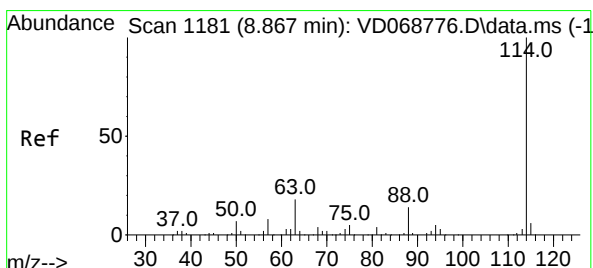
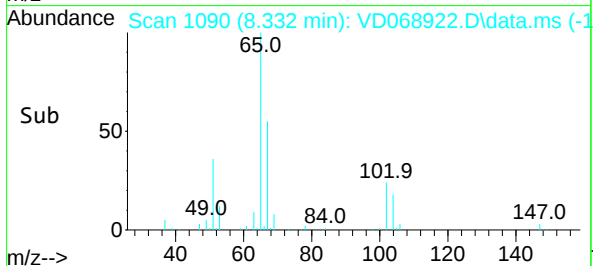
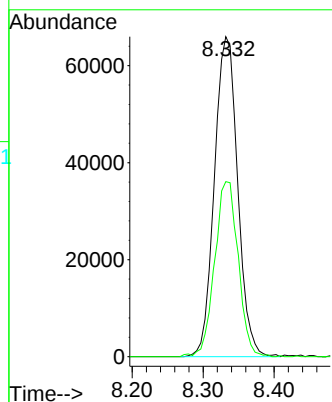
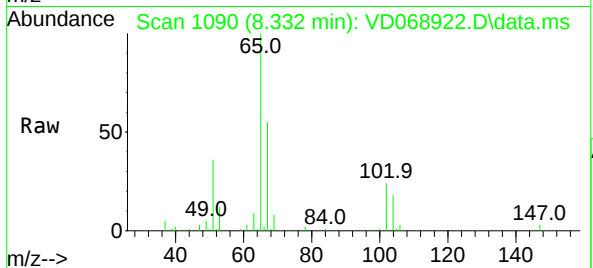




#33
1,2-Dichloroethane-d4
Concen: 41.85 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

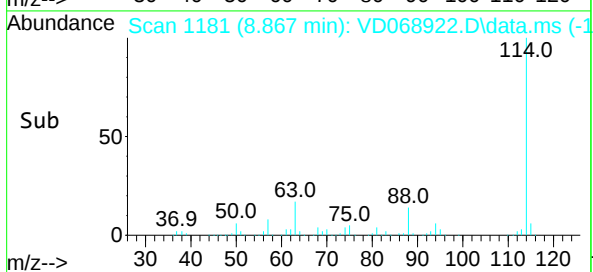
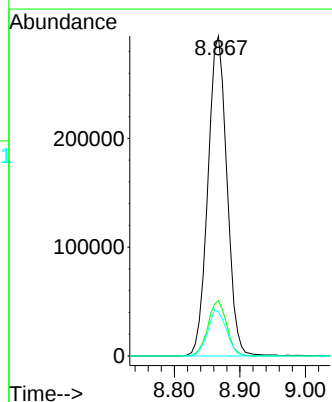
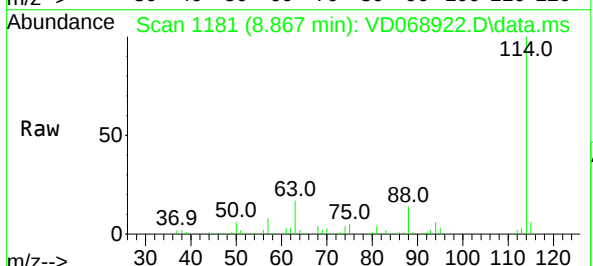
Instrument :
MSVOA_D
ClientSampleId :

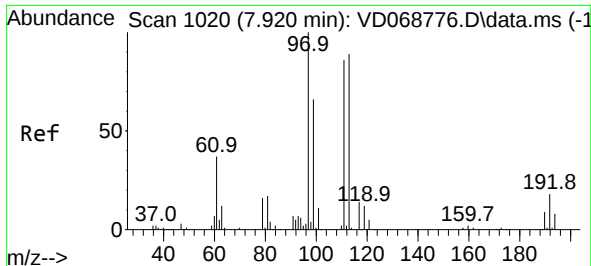
Tgt Ion: 65 Resp: 149919
Ion Ratio Lower Upper
65 100
67 55.2 0.0 106.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

Tgt Ion: 114 Resp: 594077
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.2
88 13.9 0.0 29.4





#35

Dibromofluoromethane

Concen: 48.44 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068922.D

Acq: 21 Apr 2021 12:53

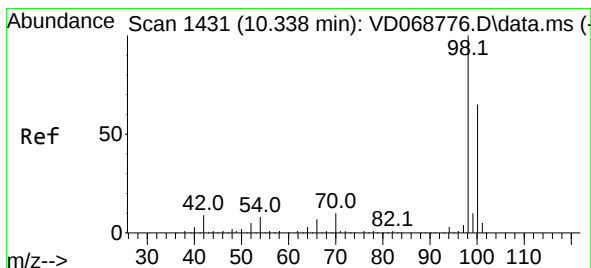
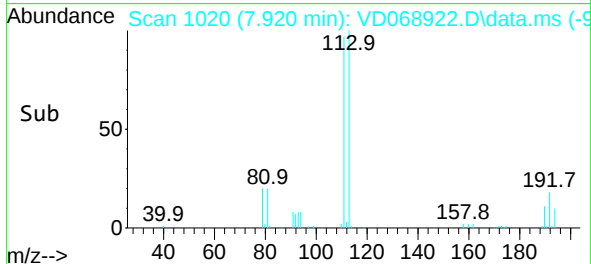
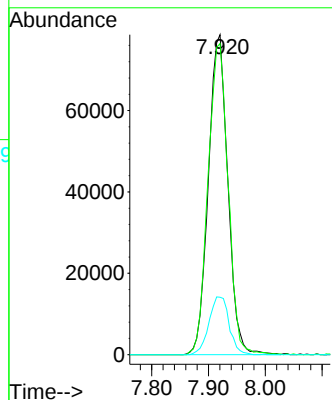
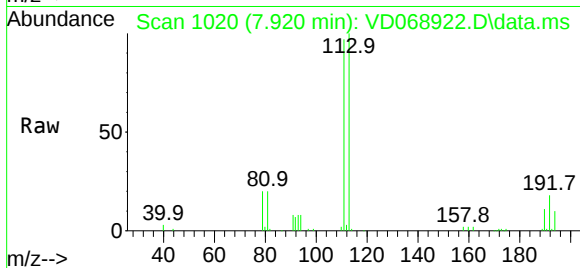
Tgt Ion:113 Resp: 187168

Ion Ratio Lower Upper

113 100

111 100.0 82.5 123.7

192 18.7 15.1 22.7



#50

Toluene-d8

Concen: 51.94 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD068922.D

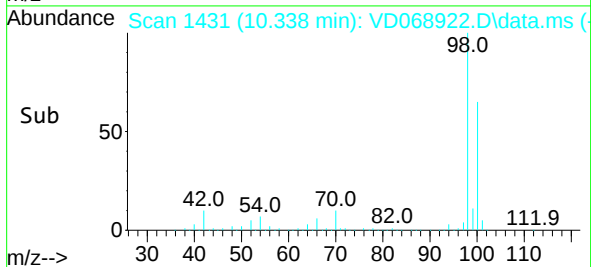
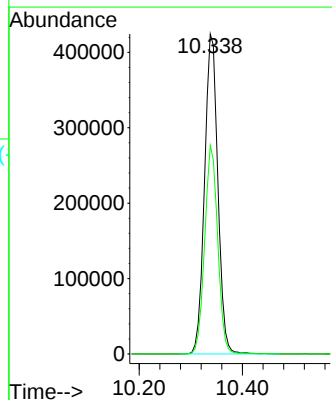
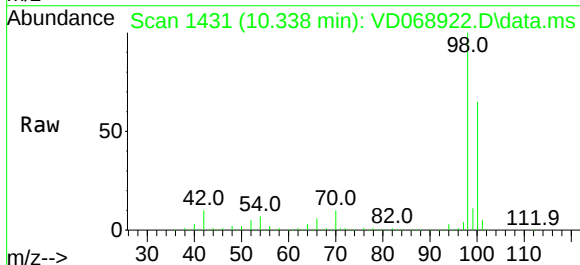
Acq: 21 Apr 2021 12:53

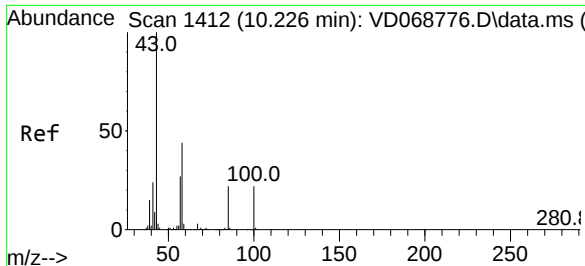
Tgt Ion: 98 Resp: 757145

Ion Ratio Lower Upper

98 100

100 64.0 51.8 77.6

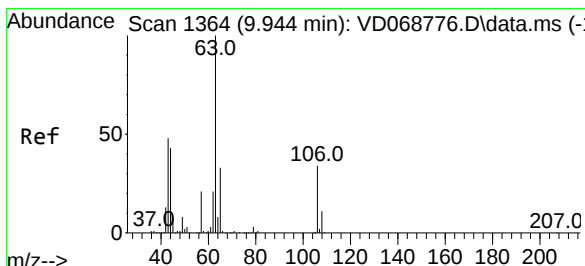
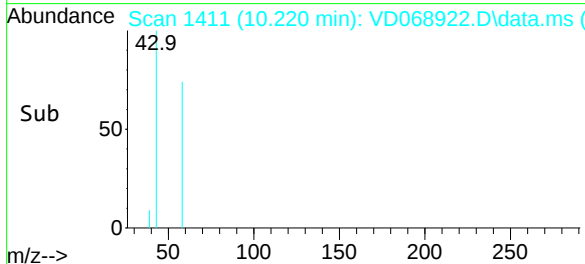
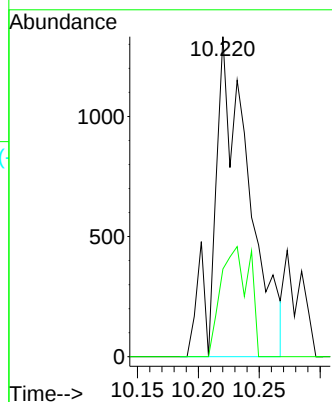
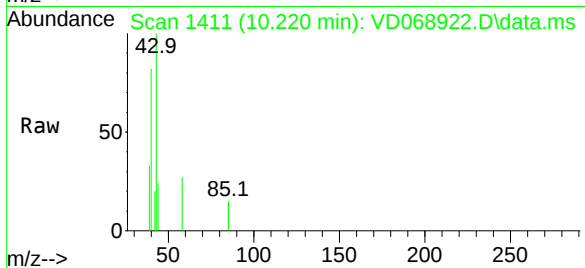




#51
4-Methyl-2-Pentanone
Concen: 1.45 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

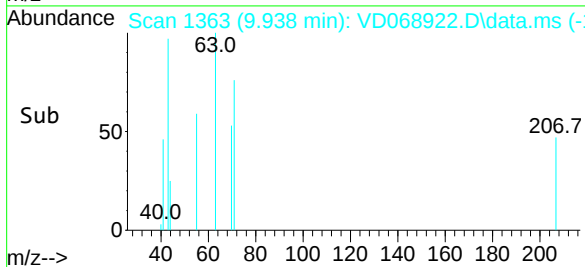
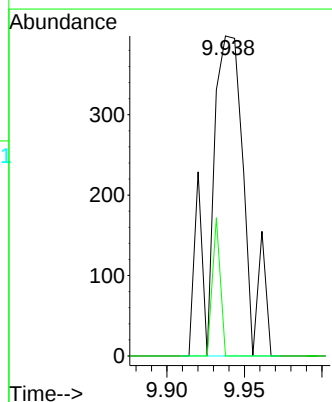
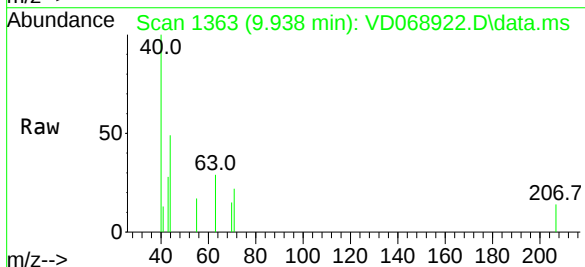
Instrument :
MSVOA_D
ClientSampleId :

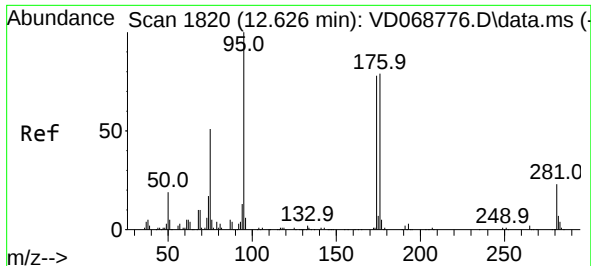
Tgt Ion: 43 Resp: 2624
Ion Ratio Lower Upper
43 100
58 28.2 37.3 55.9#



#58
2-Chloroethyl Vinyl ether
Concen: 17.31 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.006 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

Tgt Ion: 63 Resp: 613
Ion Ratio Lower Upper
63 100
106 10.0 24.6 36.8#

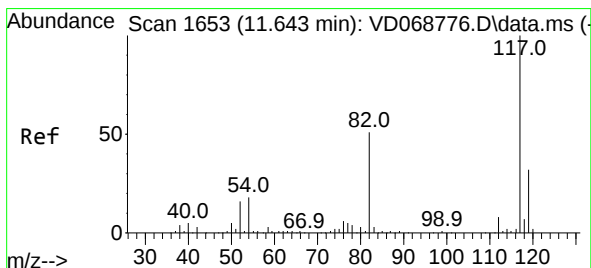
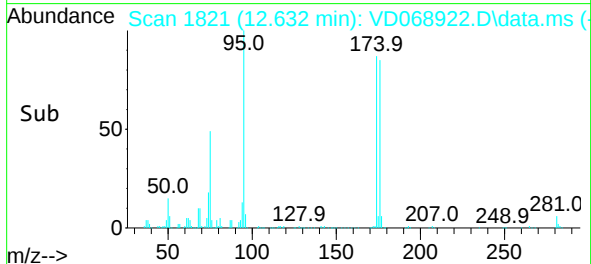
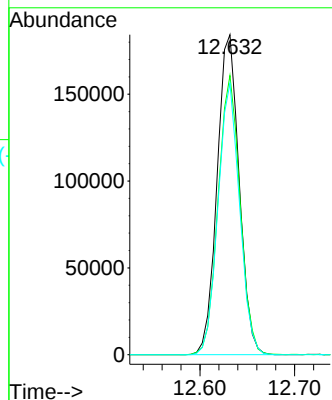
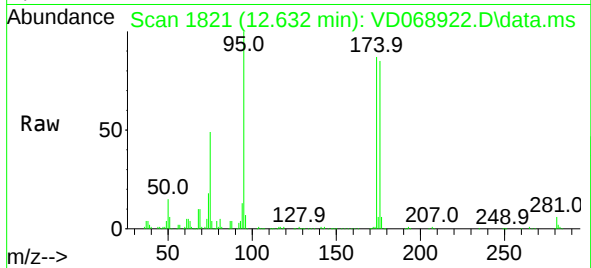




#62
4-Bromofluorobenzene
Concen: 61.59 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

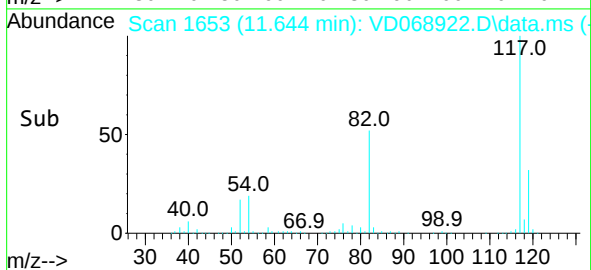
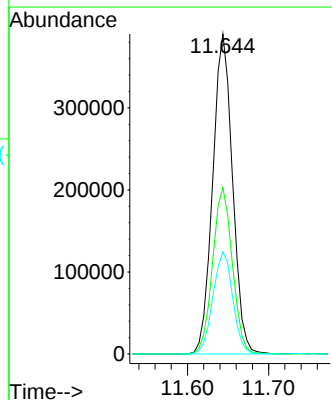
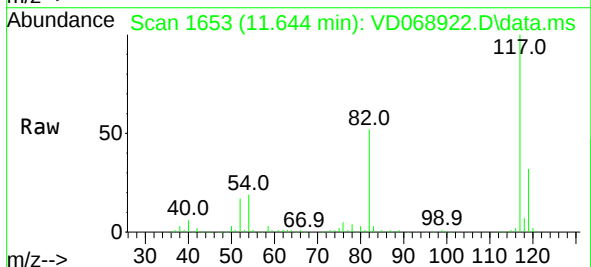
Instrument :
MSVOA_D
ClientSampleId :

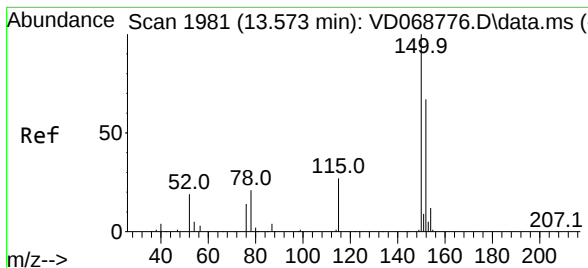
Tgt Ion: 95 Resp: 298160
Ion Ratio Lower Upper
95 100
174 86.7 0.0 168.0
176 82.6 0.0 160.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.001 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

Tgt Ion: 117 Resp: 662247
Ion Ratio Lower Upper
117 100
82 52.0 43.5 65.3
119 31.9 26.7 40.1

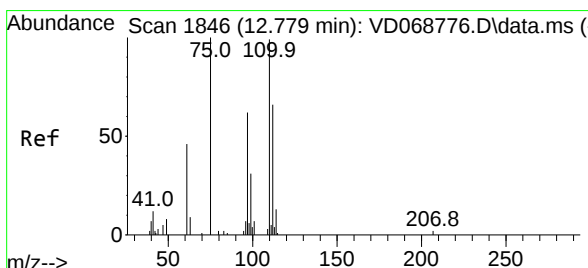
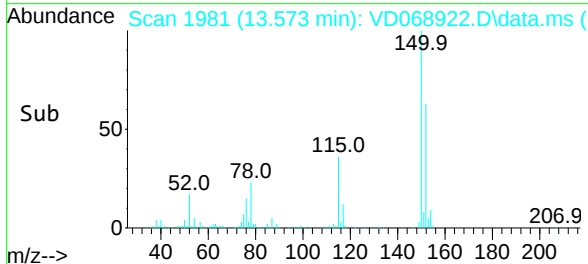
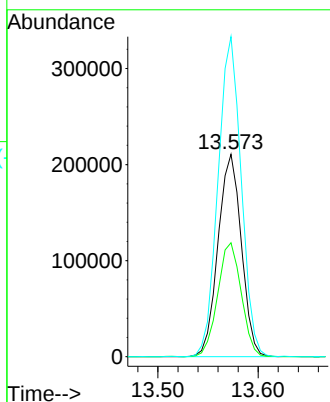
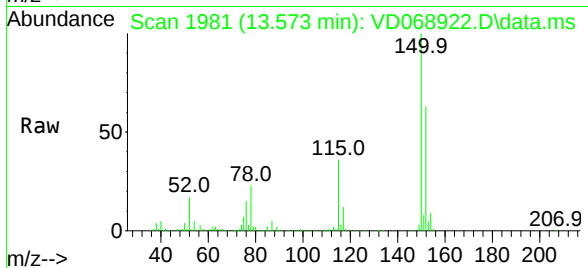




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

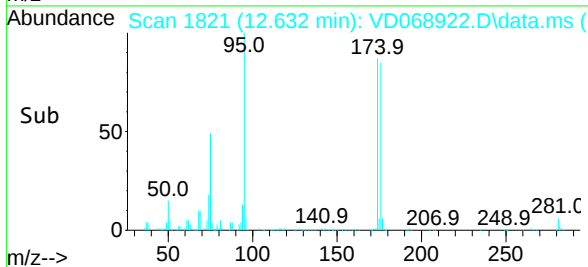
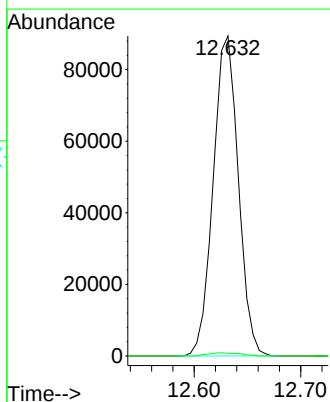
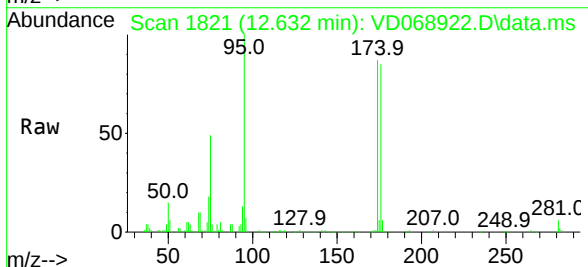
Instrument :
MSVOA_D
ClientSampleId :

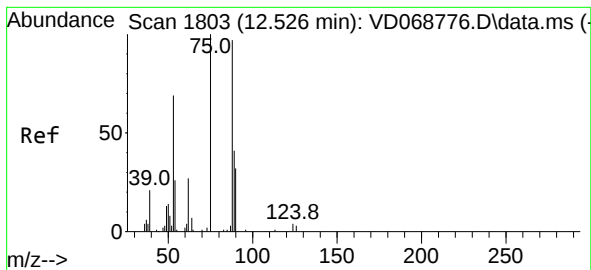
Tgt Ion:152 Resp: 340264
Ion Ratio Lower Upper
152 100
115 56.8 29.3 87.8
150 157.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.09 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068922.D
Acq: 21 Apr 2021 12:53

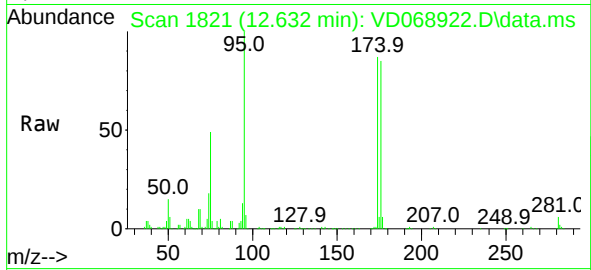
Tgt Ion: 75 Resp: 146366
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.27 ug/l
 RT: 12.632 min Scan# 1821
 Delta R.T. 0.106 min
 Lab File: VD068922.D
 Acq: 21 Apr 2021 12:53

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 146366
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 36.6 54.8#

