

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068520.D
 Acq On : 04 Mar 2021 12:48
 Operator : VA/SY
 Sample : M1552-02
 Misc : 6.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 05 00:00:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	357825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	616380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	553165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	215812	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	181103	50.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.32%
35) Dibromofluoromethane	7.914	113	186656	50.27	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.54%
50) Toluene-d8	10.344	98	740233	50.05	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.10%
62) 4-Bromofluorobenzene	12.632	95	220086	46.17	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.34%

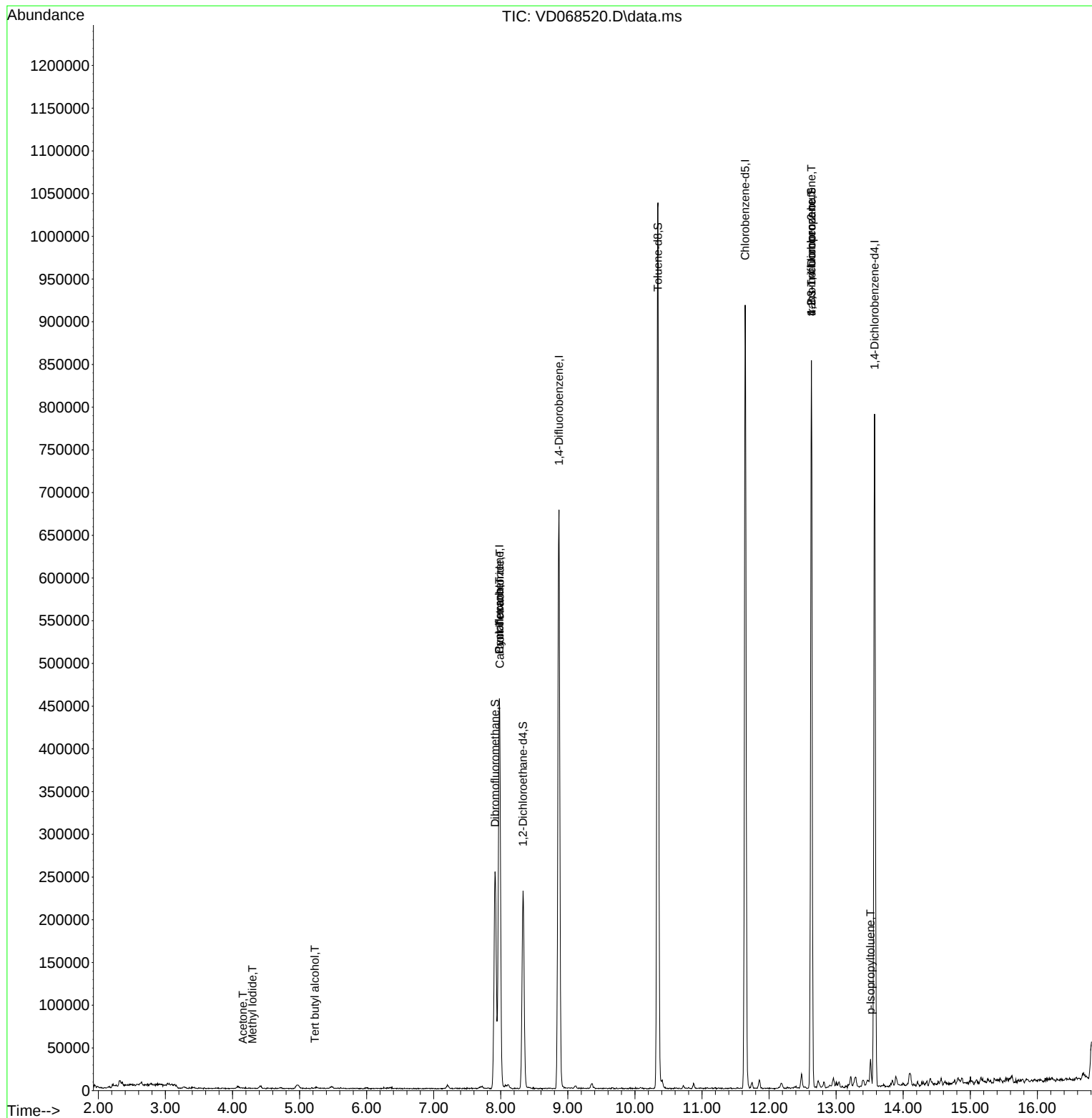
Target Compounds					Qvalue	
10) Methyl Iodide	4.297	142	348	2.69	ug/l	# 40
11) Tert butyl alcohol	5.226	59	735	3.85	ug/l	# 74
16) Acetone	4.156	43	1513	2.66	ug/l	# 66
20) Methylene Chloride	4.956	84	2169	Below Cal		# 82
31) Cyclohexane	7.979	56	8643	1.33	ug/l	# 15
38) Carbon Tetrachloride	7.985	117	33437	6.07	ug/l	# 15
76) 1,2,3-Trichloropropane	12.632	75	112180	58.55	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	112180	136.64	ug/l	# 14
86) p-Isopropyltoluene	13.514	119	14984	1.05	ug/l	94

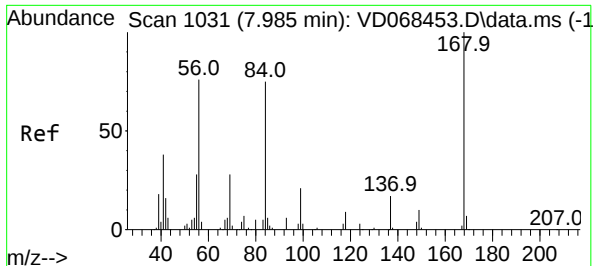
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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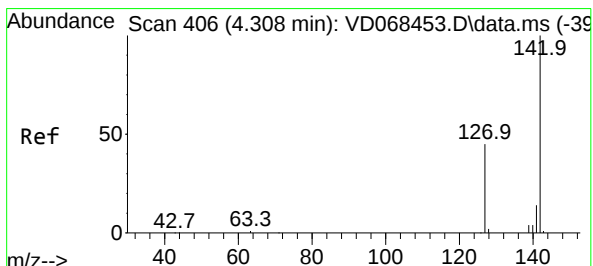
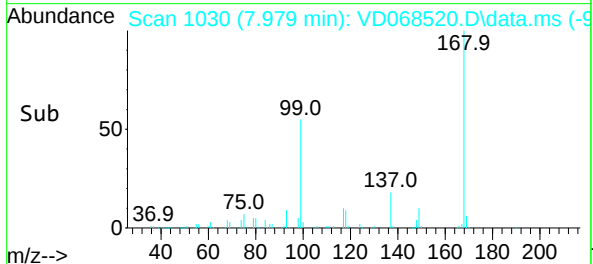
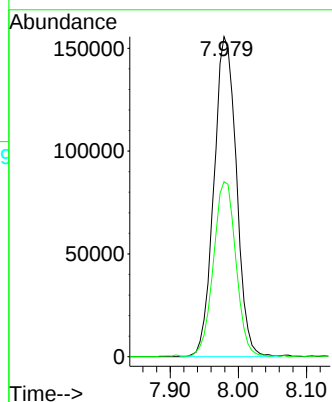
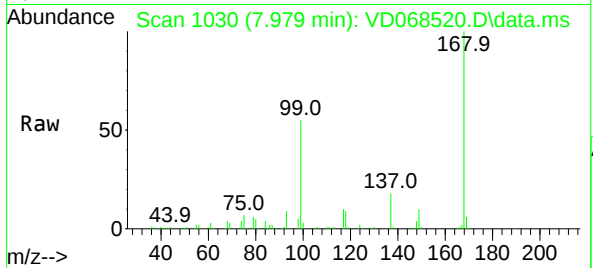




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

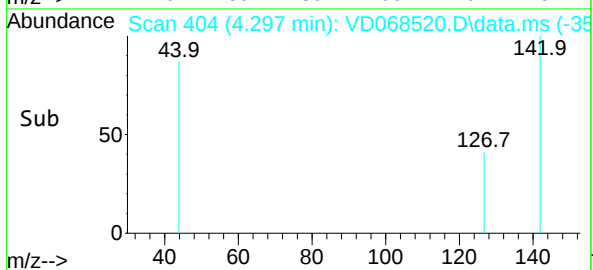
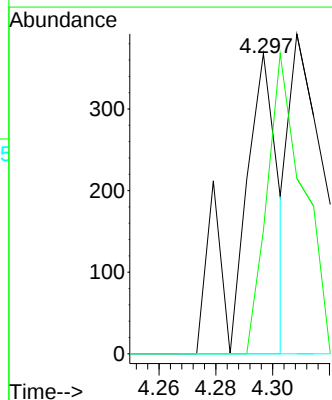
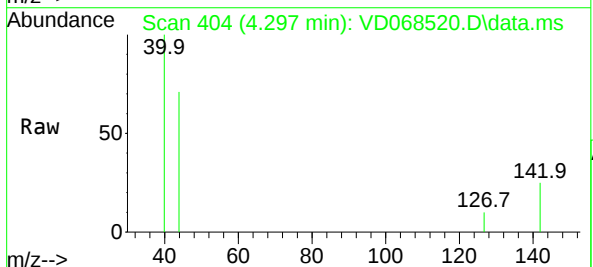
Instrument :
MSVOA_D
ClientSampleId :

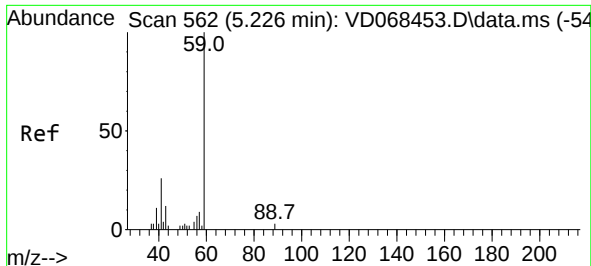
Tgt Ion:168 Resp: 357825
Ion Ratio Lower Upper
168 100
99 54.5 43.5 65.3



#10
Methyl Iodide
Concen: 2.69 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.011 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

Tgt Ion:142 Resp: 348
Ion Ratio Lower Upper
142 100
127 92.8 37.9 56.9#
141 0.0 11.5 17.3#



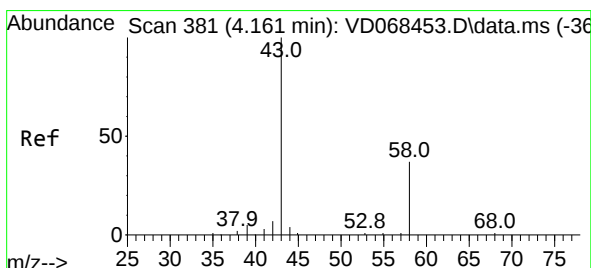
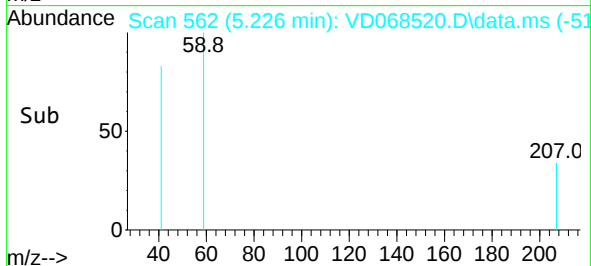
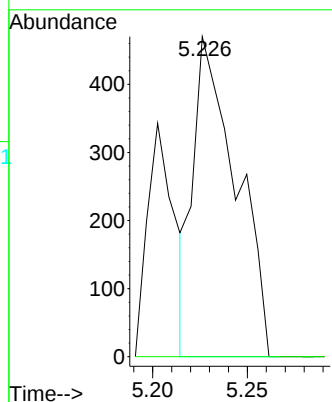
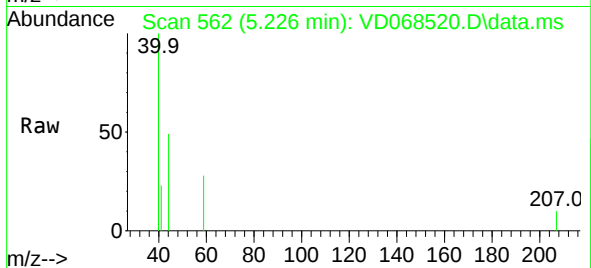


#11

Tert butyl alcohol
Concen: 3.85 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

Instrument :
MSVOA_D
ClientSampled :

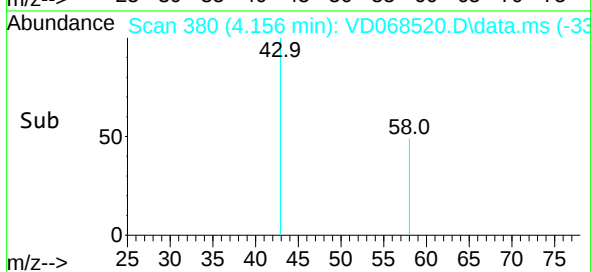
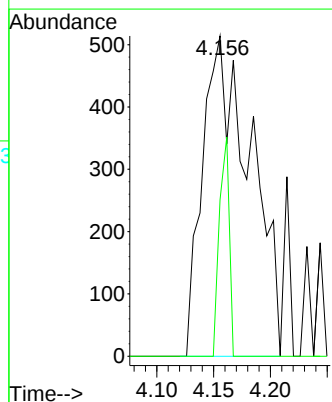
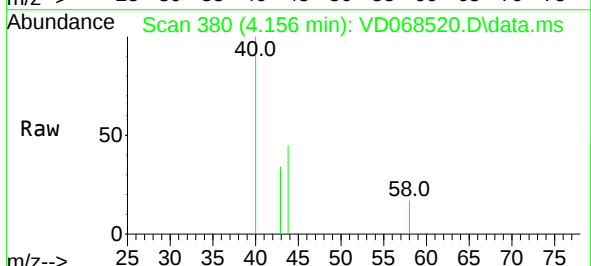
Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

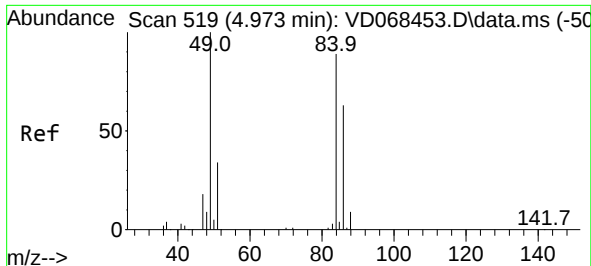


#16

Acetone
Concen: 2.66 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

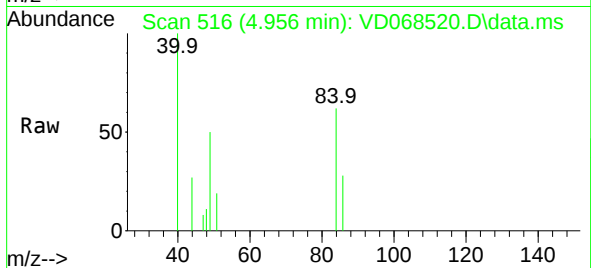
Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
58 48.8 24.2 36.4#



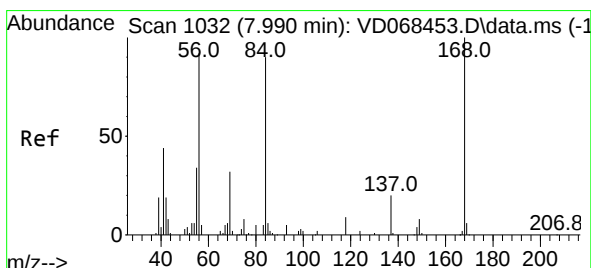
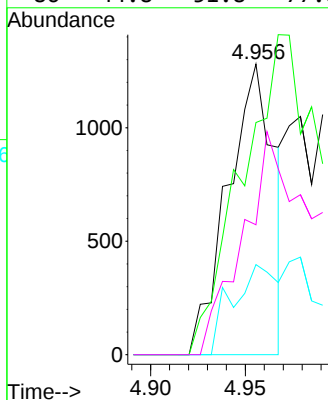
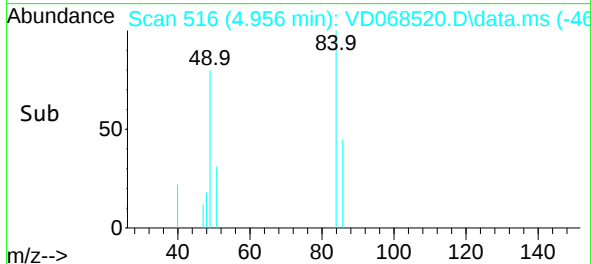


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.017 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

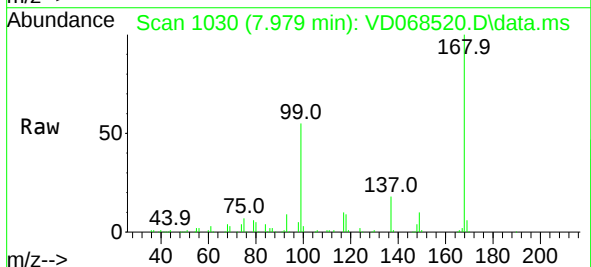
Instrument :
MSVOA_D
ClientSampleId :



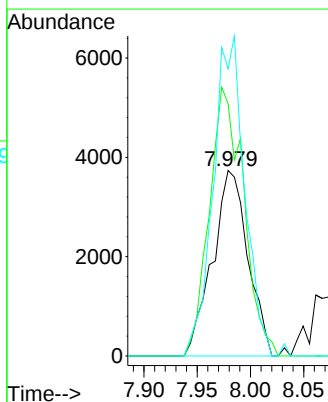
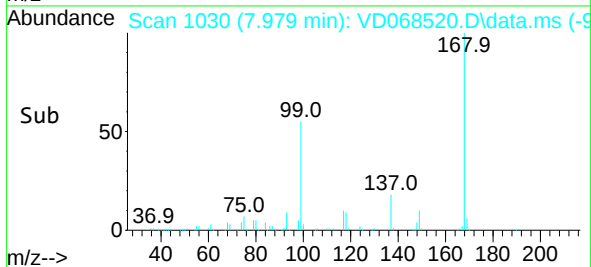
Tgt Ion:	84	Resp:	2169
Ion	Ratio	Lower	Upper
84	100		
49	79.9	77.4	116.2
51	31.0	26.1	39.1
86	44.8	51.8	77.8#

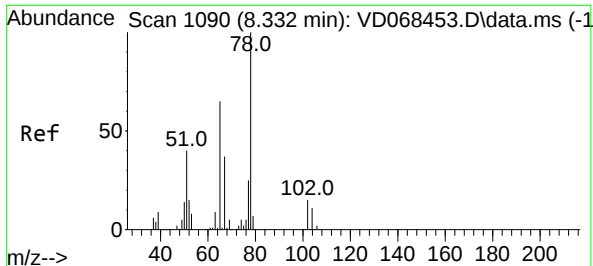


#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48



Tgt Ion:	56	Resp:	8643
Ion	Ratio	Lower	Upper
56	100		
69	136.0	30.1	45.1#
84	160.1	82.1	123.1#

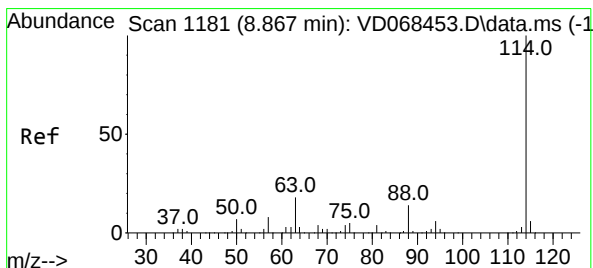
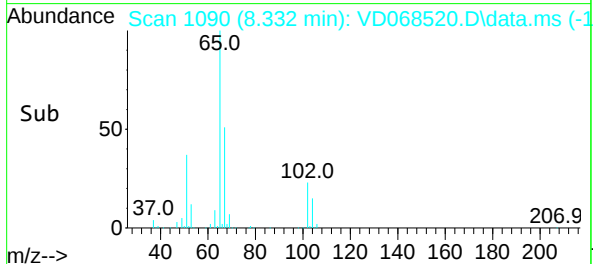
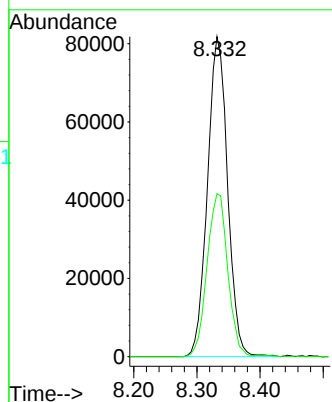
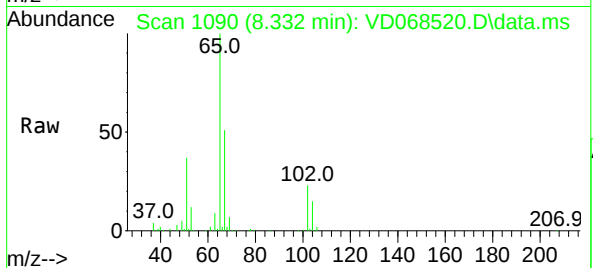




#33
1,2-Dichloroethane-d4
Concen: 50.66 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

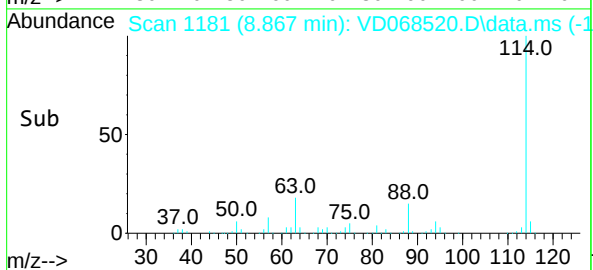
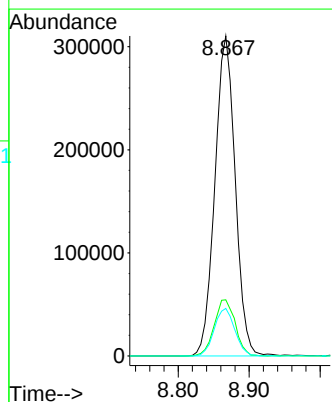
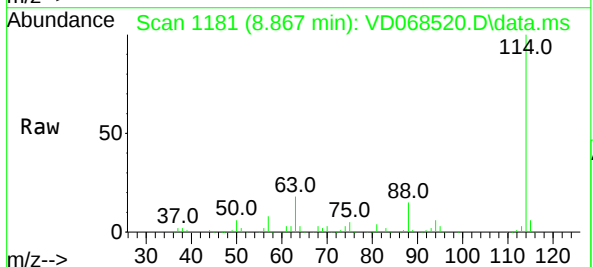
Instrument :
MSVOA_D
ClientSampled :

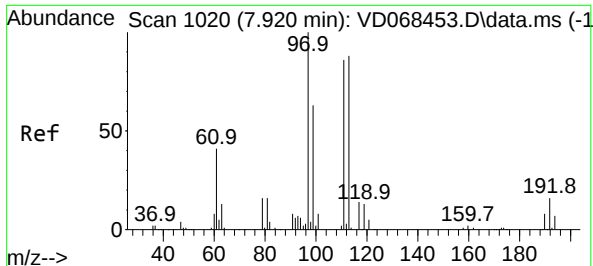
Tgt Ion: 65 Resp: 181103
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

Tgt Ion: 114 Resp: 616380
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.8
88 14.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.27 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068520.D

Acq: 04 Mar 2021 12:48

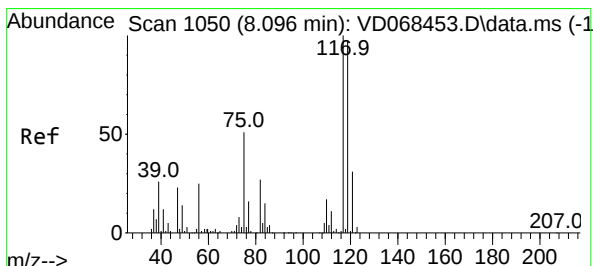
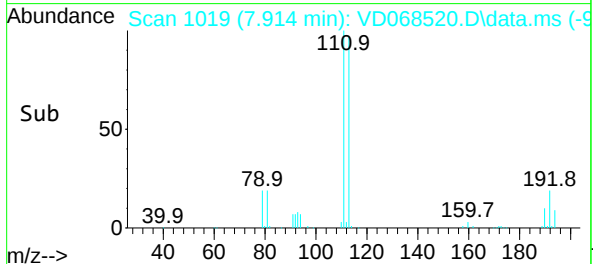
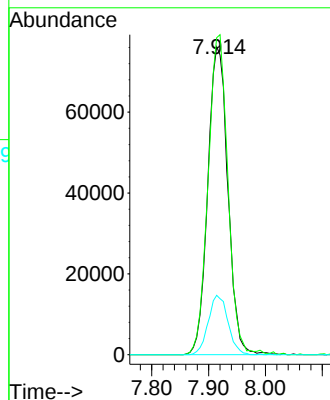
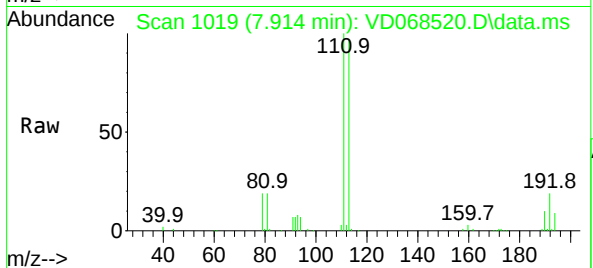
Tgt Ion:113 Resp: 186656

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 18.9 16.1 24.1



#38

Carbon Tetrachloride

Concen: 6.07 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.111 min

Lab File: VD068520.D

Acq: 04 Mar 2021 12:48

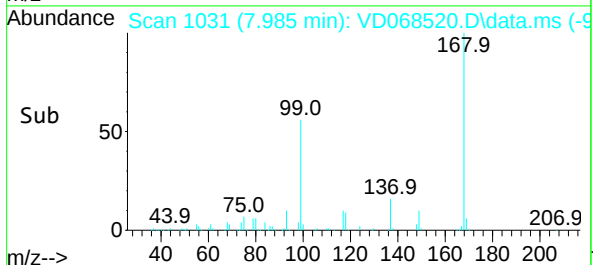
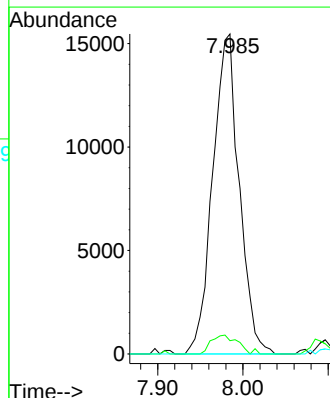
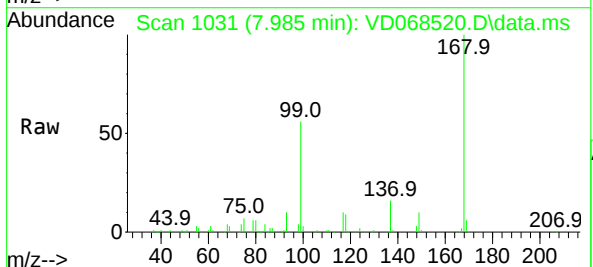
Tgt Ion:117 Resp: 33437

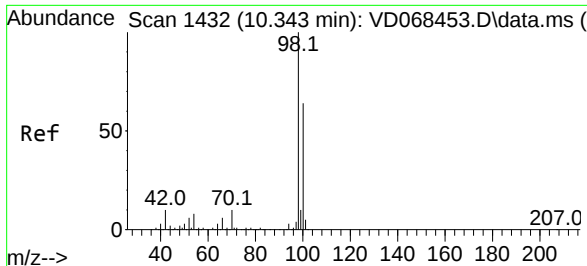
Ion Ratio Lower Upper

117 100

119 4.2 77.3 115.9#

121 0.0 24.7 37.1#

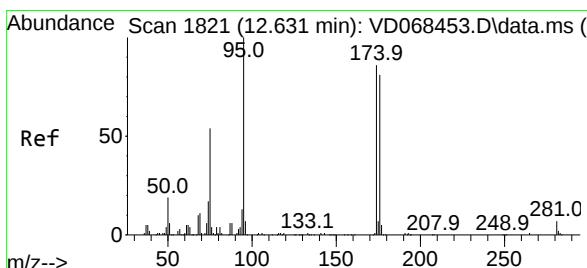
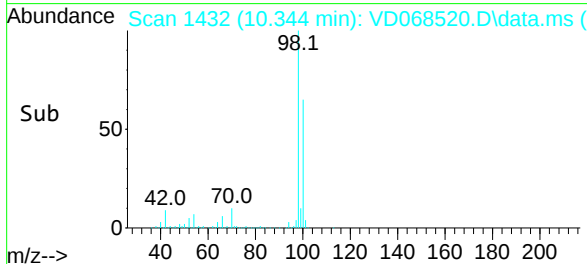
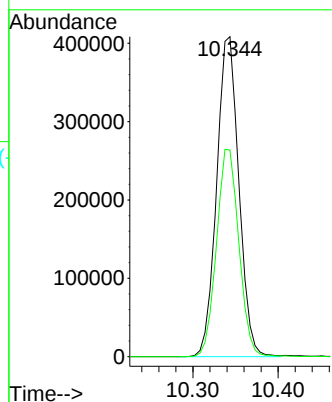
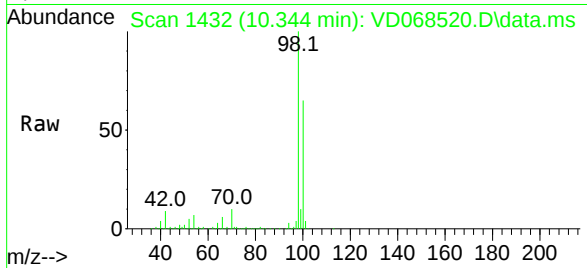




#50
Toluene-d8
Concen: 50.05 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

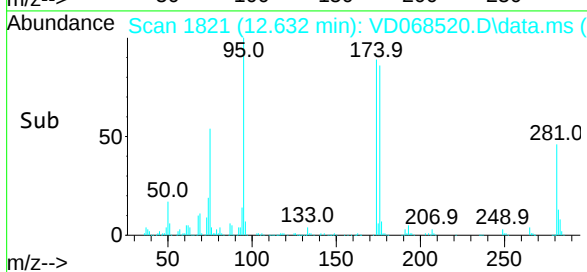
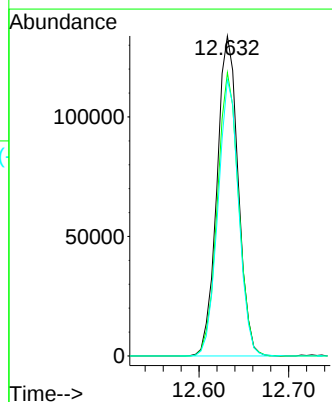
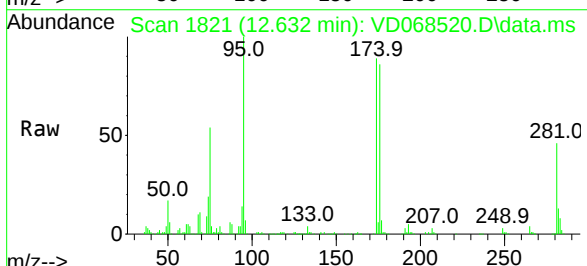
Instrument :
MSVOA_D
ClientSampleId :

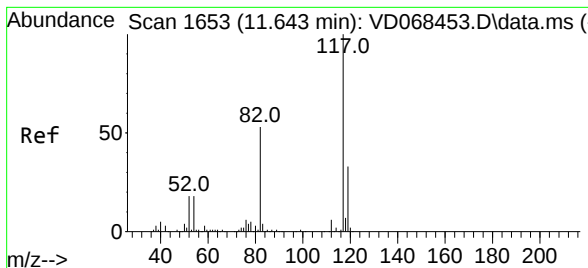
Tgt Ion: 98 Resp: 740233
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.17 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

Tgt Ion: 95 Resp: 220086
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.4
176 83.9 0.0 168.4

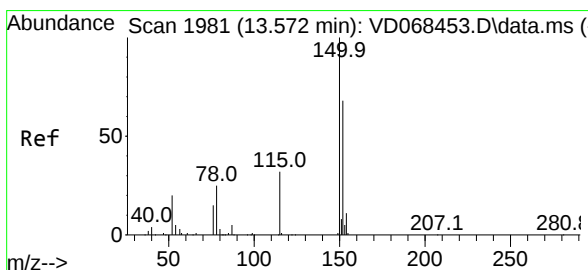
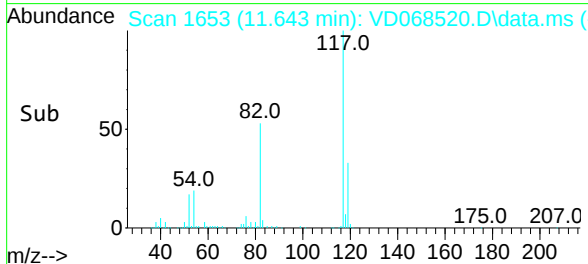
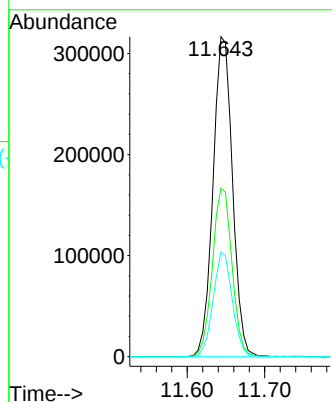
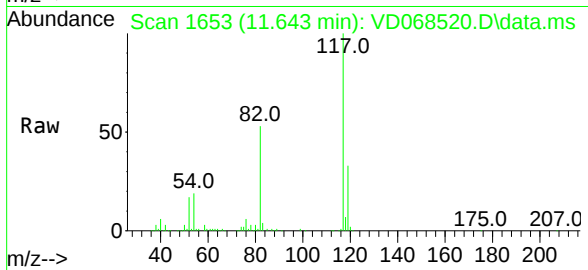




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

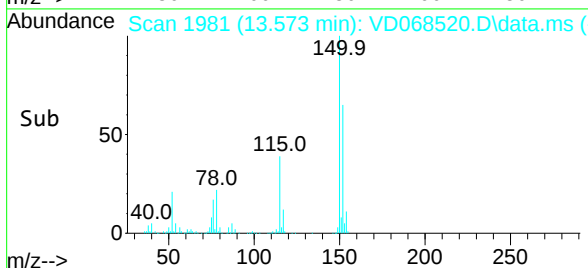
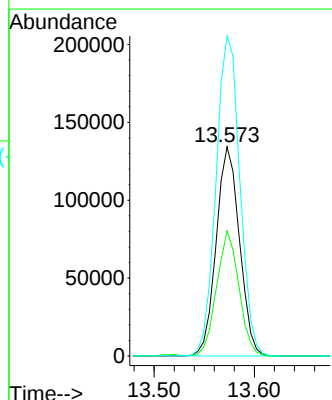
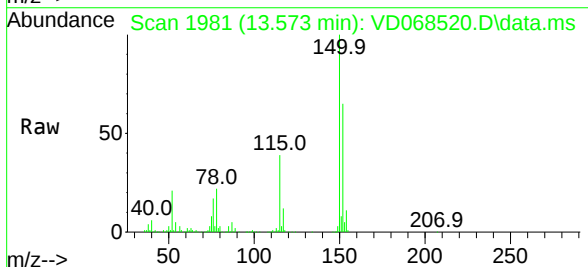
Instrument :
MSVOA_D
ClientSampleId :

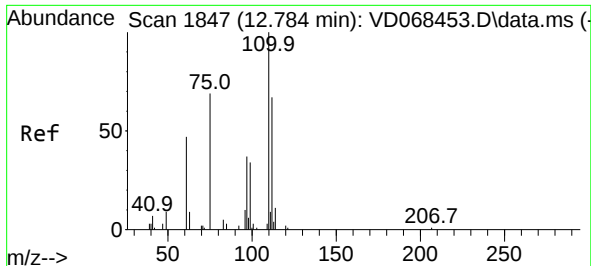
Tgt Ion:117 Resp: 553165
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.0
119 32.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.001 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

Tgt Ion:152 Resp: 215812
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.8
150 156.9 0.0 344.4

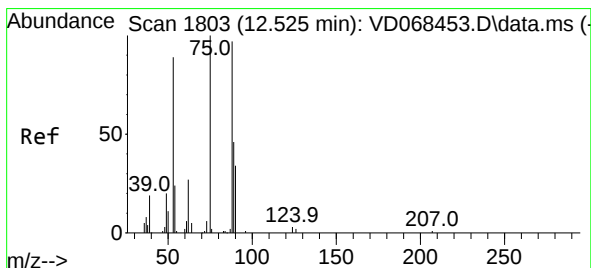
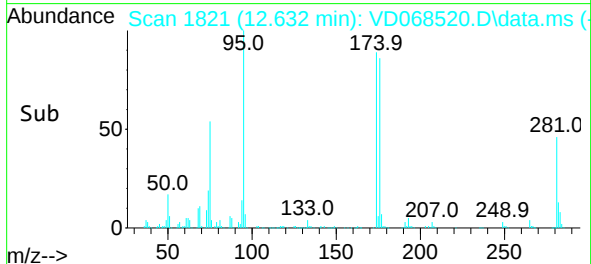
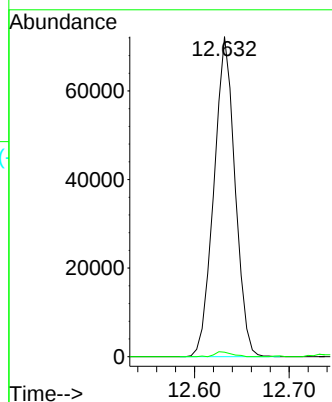
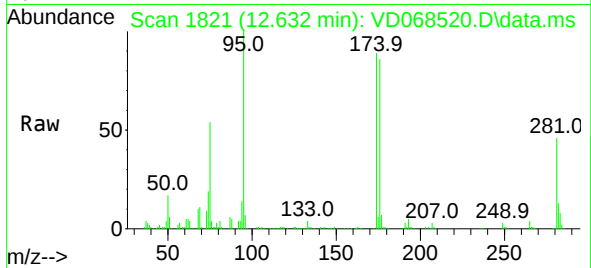




#76
1,2,3-Trichloropropane
Concen: 58.55 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.152 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

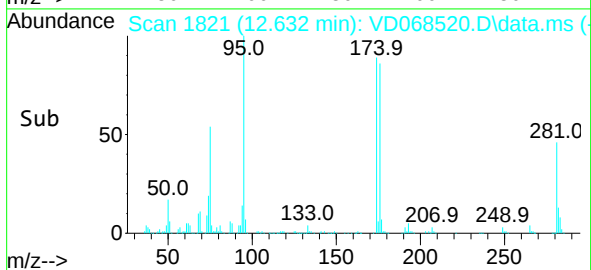
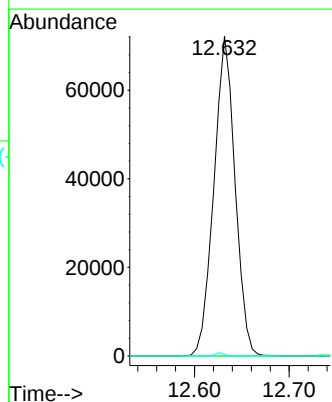
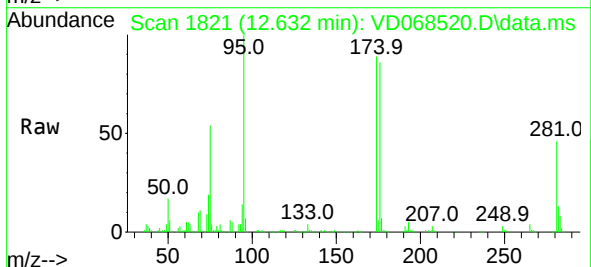
Instrument :
MSVOA_D
ClientSampleId :

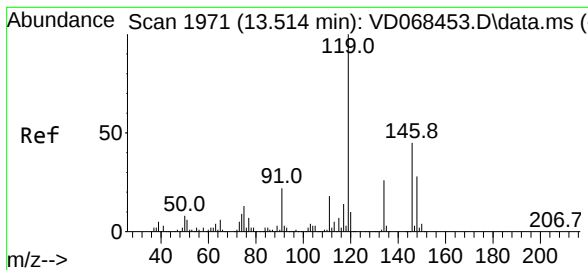
Tgt Ion: 75 Resp: 112180
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.64 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068520.D
Acq: 04 Mar 2021 12:48

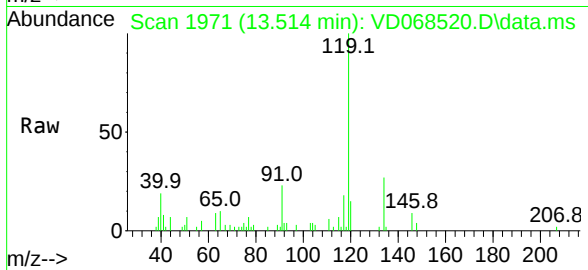
Tgt Ion: 75 Resp: 112180
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.4 40.3 60.5#





#86
 p-Isopropyltoluene
 Concen: 1.05 ug/l
 RT: 13.514 min Scan# 1971
 Delta R.T. 0.000 min
 Lab File: VD068520.D
 Acq: 04 Mar 2021 12:48

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	119	Resp:	14984
Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.9	38.7
91	28.5	11.7	35.0

