

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021021\
 Data File : VD068344.D
 Acq On : 10 Feb 2021 14:07
 Operator : VA/SY
 Sample : M1347-01
 Misc : 4.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 00:12:47 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	537005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	972499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	858797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	367699	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	272725	53.09	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.18%
35) Dibromofluoromethane	7.920	113	281459	52.35	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.70%
50) Toluene-d8	10.344	98	1214433	56.47	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	112.94%
62) 4-Bromofluorobenzene	12.632	95	375529	48.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.98%

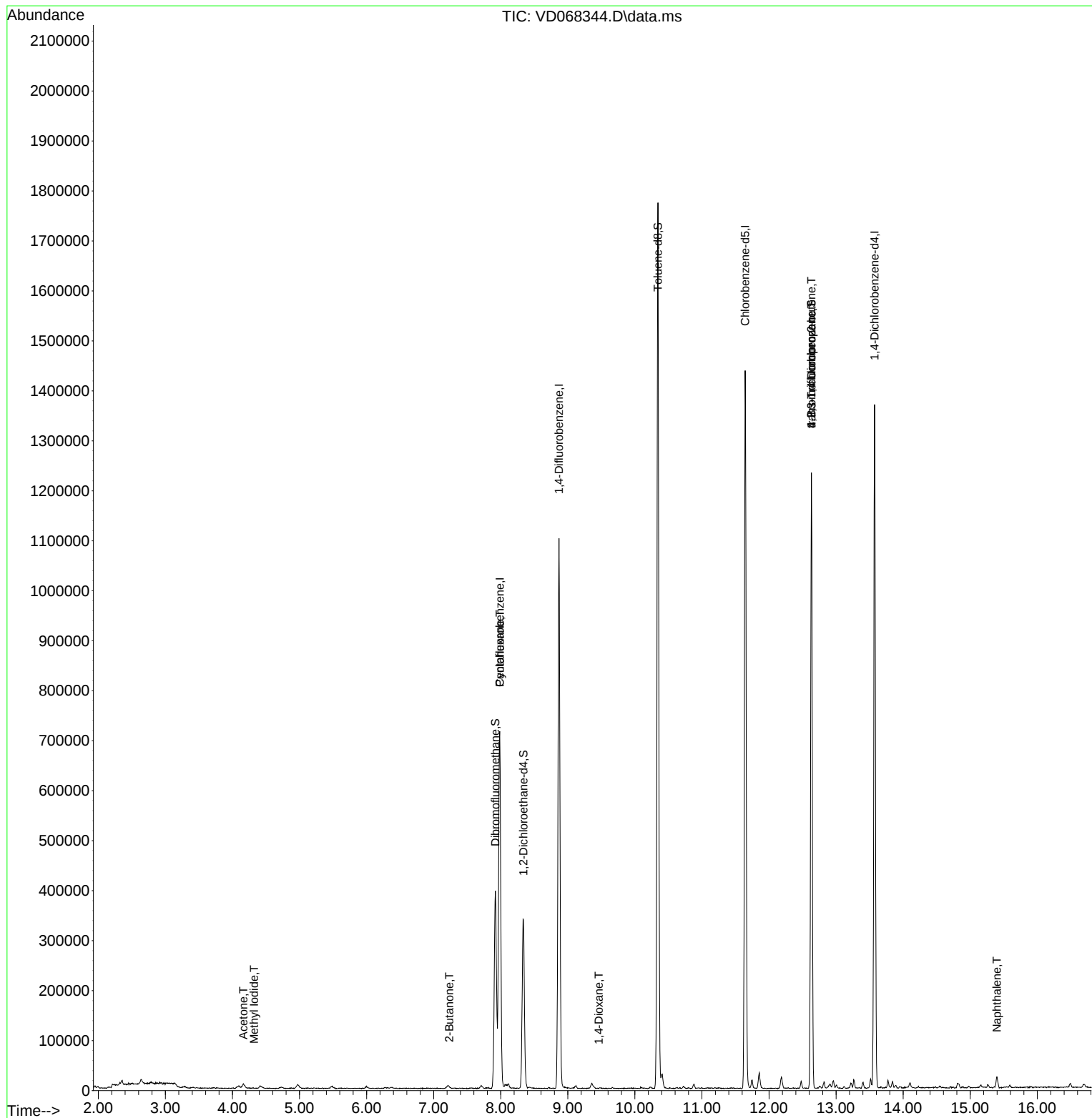
Target Compounds					Qvalue
10) Methyl Iodide	4.320	142	1356	3.35 ug/l	# 81
11) Tert butyl alcohol	5.220	59	582	Below Cal	# 74
16) Acetone	4.162	43	15848	17.28 ug/l	96
20) Methylene Chloride	4.979	84	5535	Below Cal	# 85
25) 2-Butanone	7.232	43	1522	1.10 ug/l	# 43
31) Cyclohexane	7.985	56	15293	1.37 ug/l	# 38
49) 1,4-Dioxane	9.461	88	73	1.83 ug/l	# 50
76) 1,2,3-Trichloropropane	12.632	75	192033	54.01 ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.632	75	192033	109.30 ug/l	# 14
95) Naphthalene	15.396	128	19430	1.40 ug/l	99

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

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MSVOA_D
ClientSampleId :

Quant Time: Feb 11 00:12:47 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

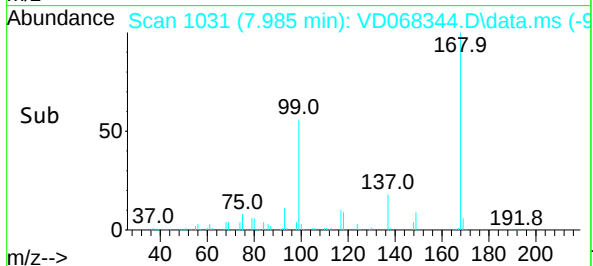
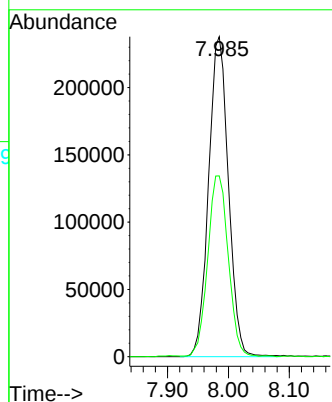
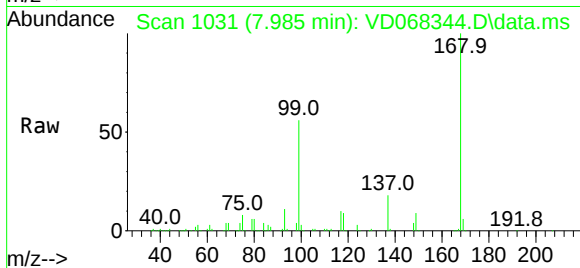




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

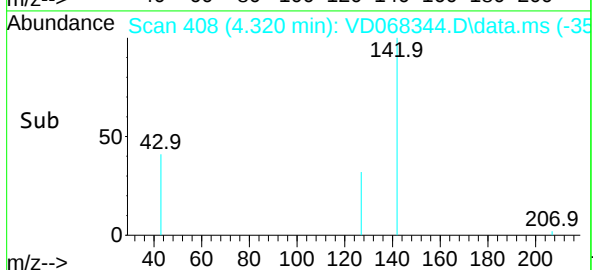
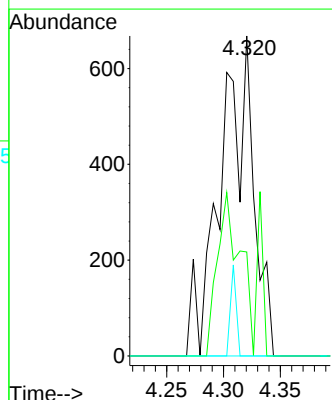
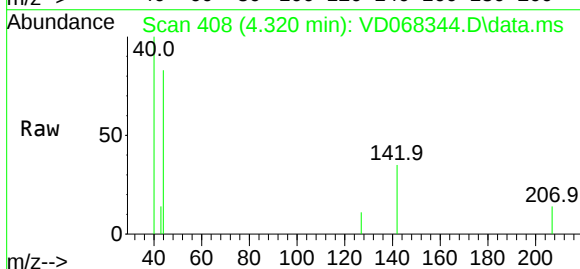
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 537005
Ion Ratio Lower Upper
168 100
99 56.4 43.5 65.3



#10
Methyl Iodide
Concen: 3.35 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

Tgt Ion:142 Resp: 1356
Ion Ratio Lower Upper
142 100
127 35.5 37.9 56.9#
141 4.9 11.5 17.3#

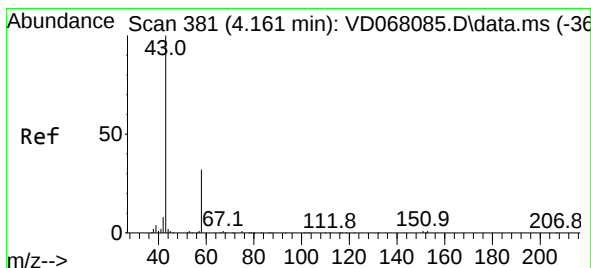
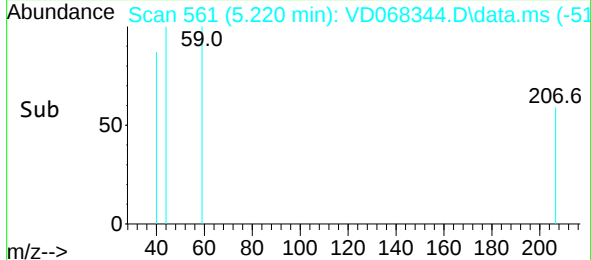
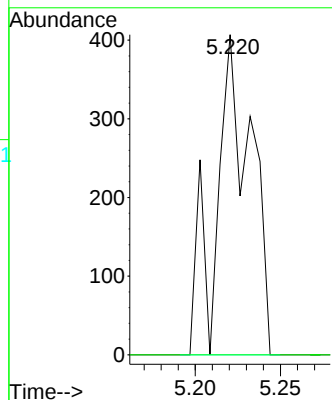
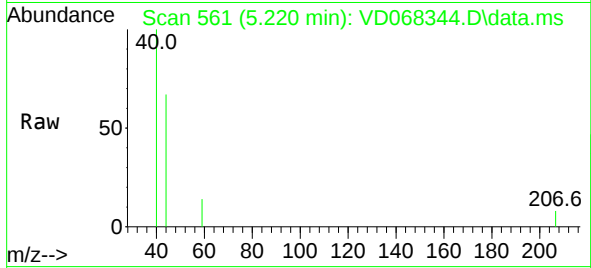




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

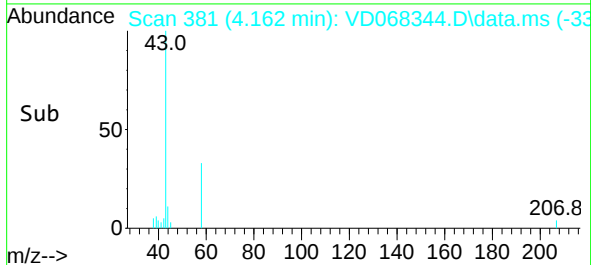
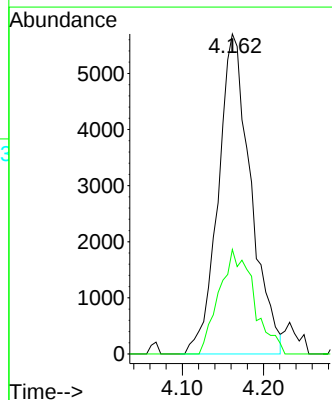
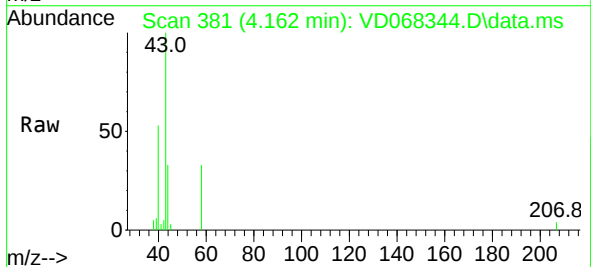
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 17.28 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

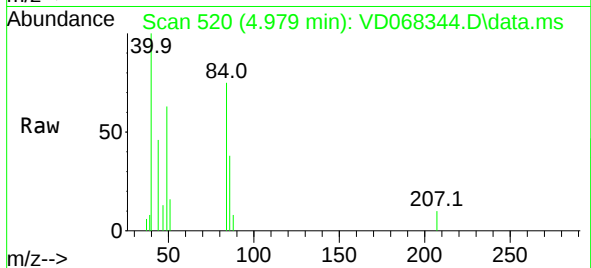
Tgt Ion: 43 Resp: 15848
Ion Ratio Lower Upper
43 100
58 32.6 24.2 36.4



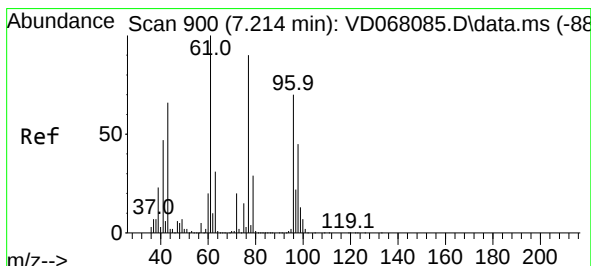
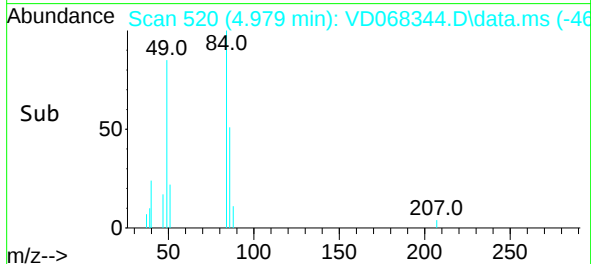
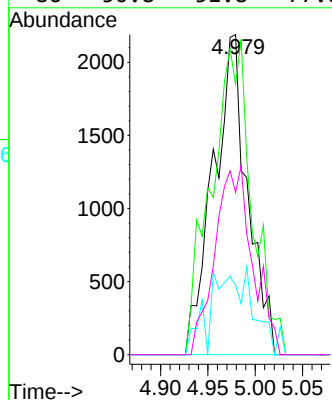


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.006 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

Instrument :
MSVOA_D
ClientSampled :

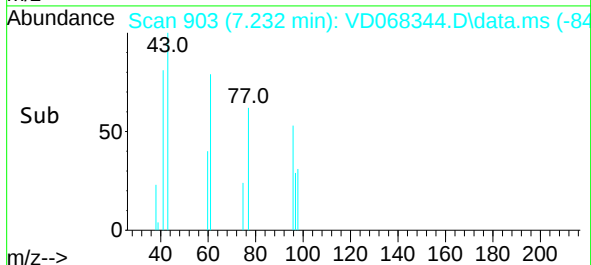
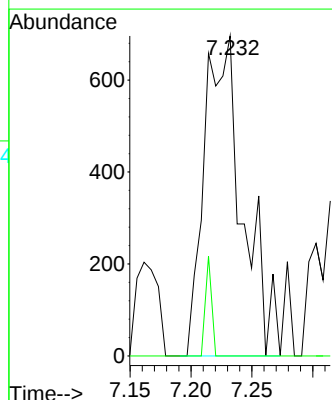
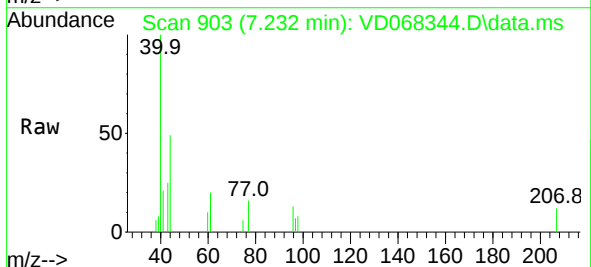


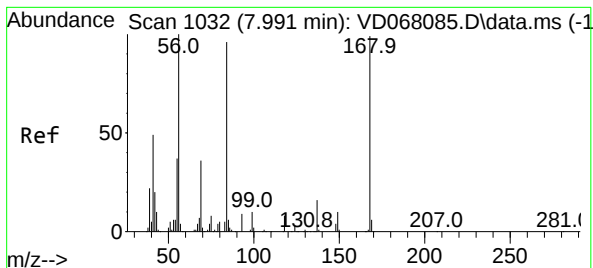
Tgt Ion: 84 Resp: 5535
Ion Ratio Lower Upper
84 100
49 84.6 77.4 116.2
51 21.7 26.1 39.1#
86 50.8 51.8 77.8#



#25
2-Butanone
Concen: 1.10 ug/l
RT: 7.232 min Scan# 903
Delta R.T. 0.018 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

Tgt Ion: 43 Resp: 1522
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#

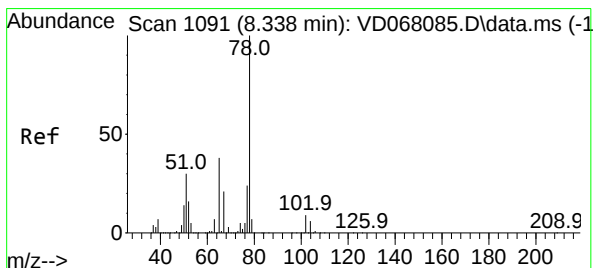
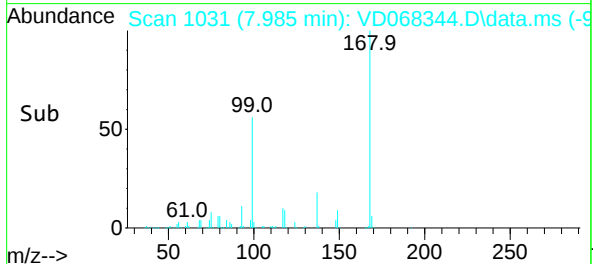
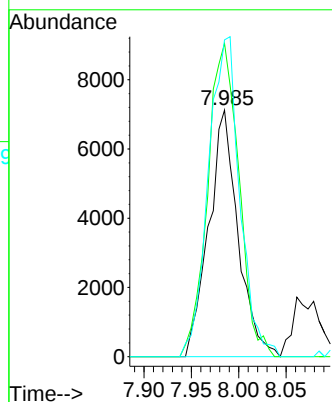
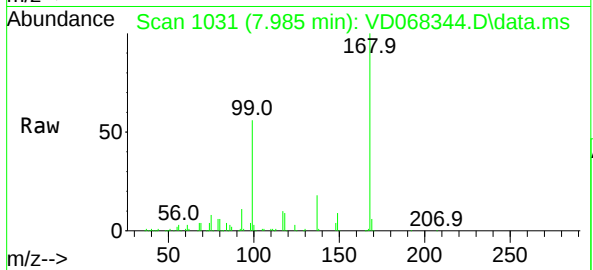




#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

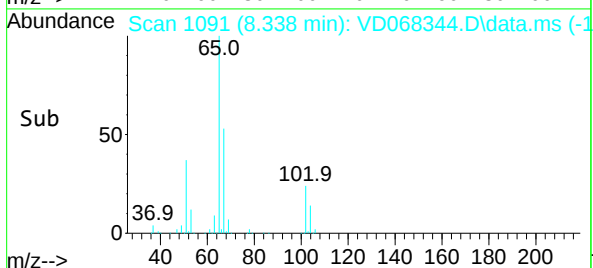
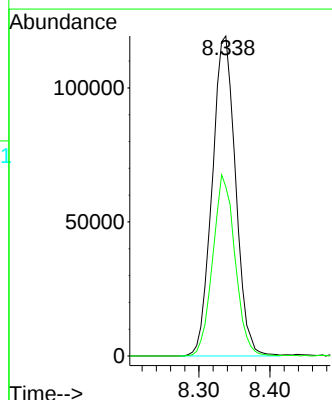
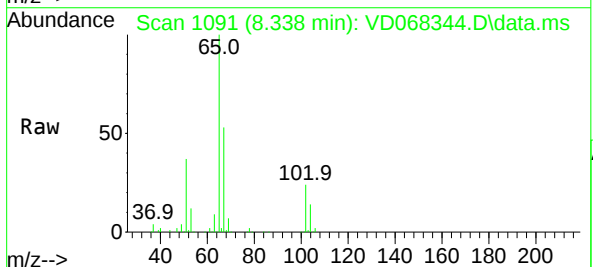
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 15293
Ion Ratio Lower Upper
56 100
69 127.0 30.1 45.1#
84 132.8 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 53.09 ug/l
RT: 8.338 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

Tgt Ion: 65 Resp: 272725
Ion Ratio Lower Upper
65 100
67 53.9 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: VD068344.D

Acq: 10 Feb 2021 14:07

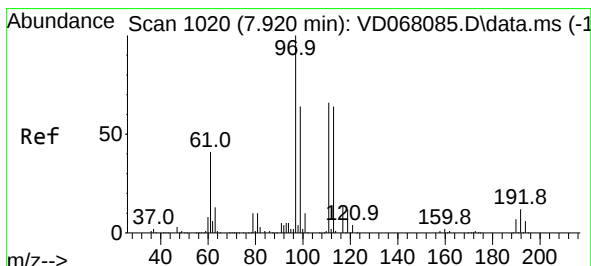
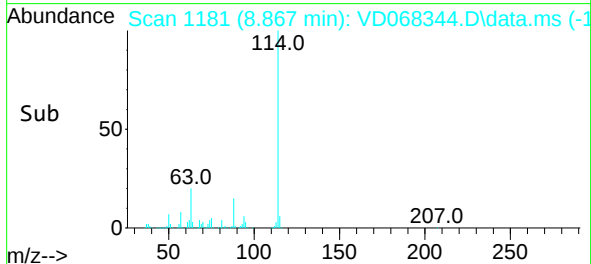
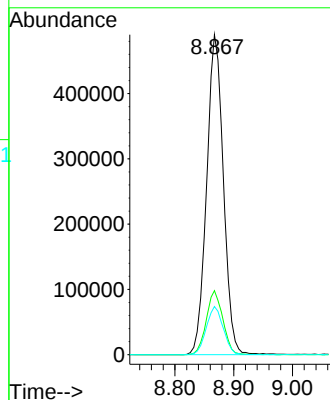
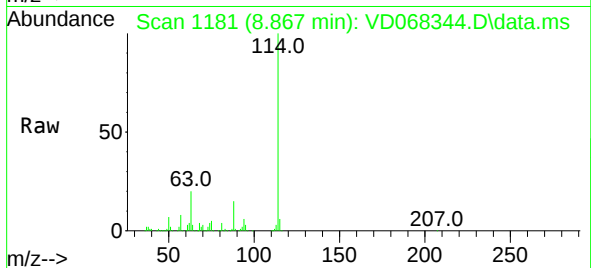
Tgt Ion:114 Resp: 972499

Ion Ratio Lower Upper

114 100

63 20.0 0.0 34.8

88 15.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 52.35 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VD068344.D

Acq: 10 Feb 2021 14:07

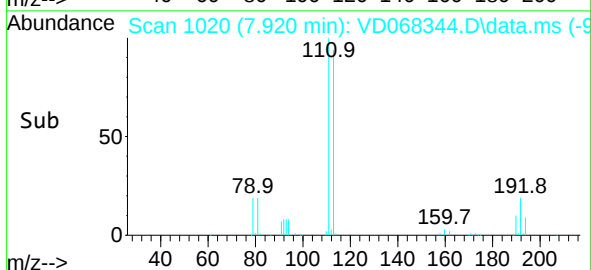
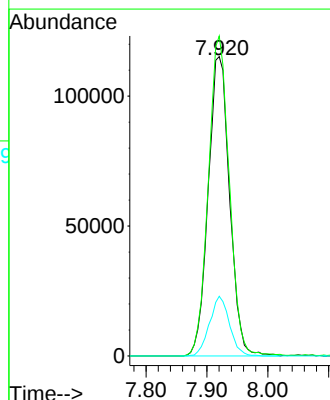
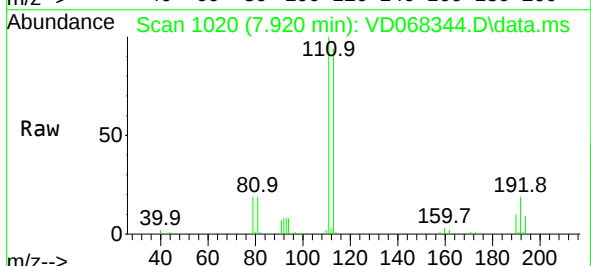
Tgt Ion:113 Resp: 281459

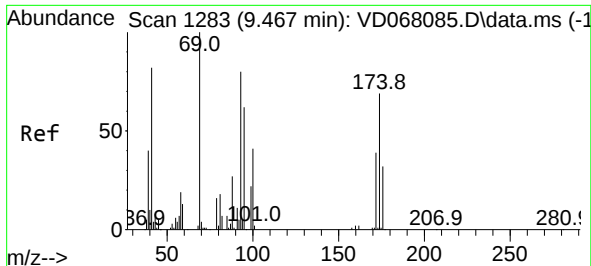
Ion Ratio Lower Upper

113 100

111 104.8 81.4 122.0

192 18.6 16.1 24.1

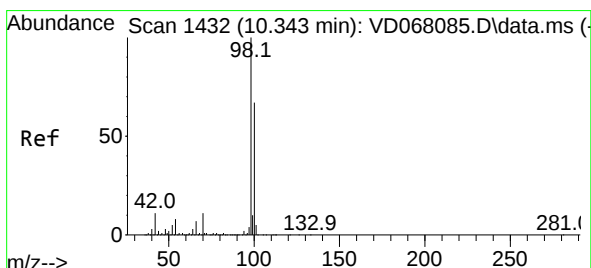
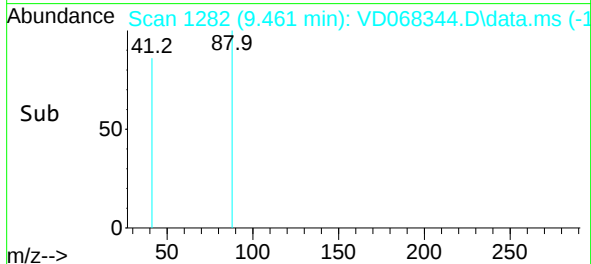
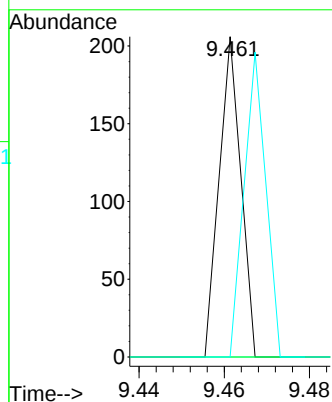
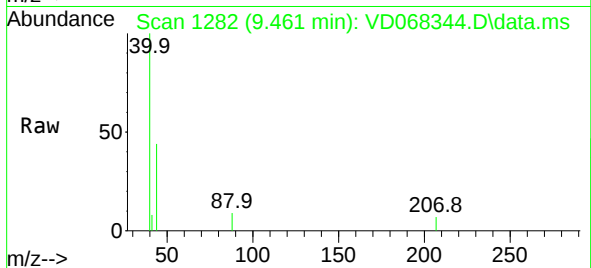




#49
1,4-Dioxane
Concen: 1.83 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. -0.006 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

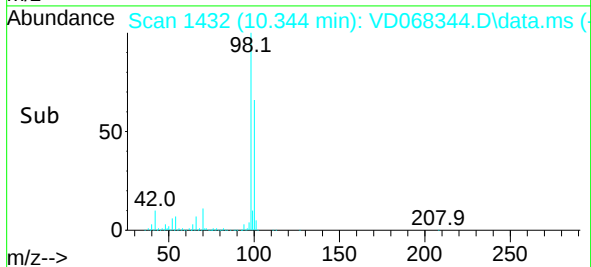
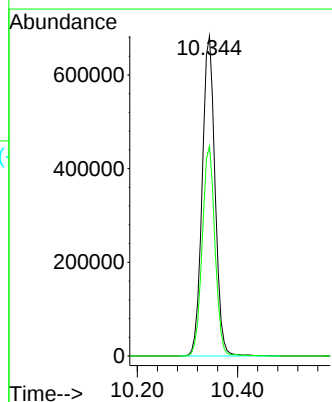
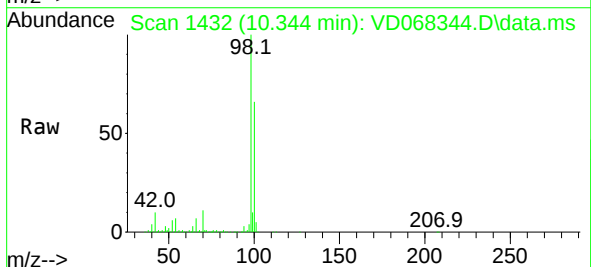
Instrument :
MSVOA_D
ClientSampleId :

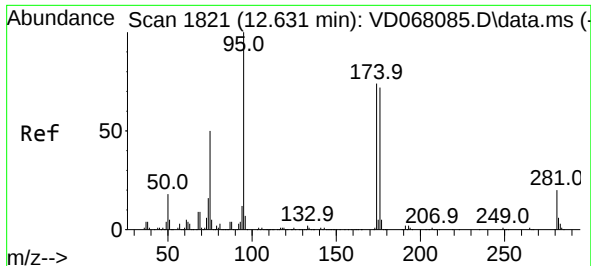
Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 0.0 22.1 33.1#
58 94.5 46.7 70.1#



#50
Toluene-d8
Concen: 56.47 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

Tgt Ion: 98 Resp: 1214433
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4

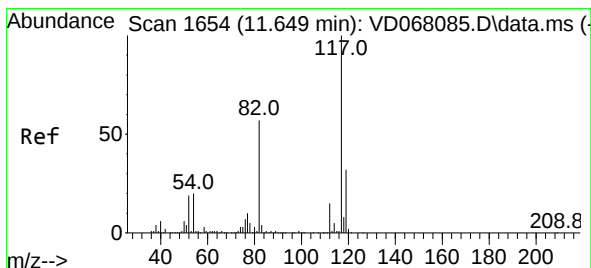
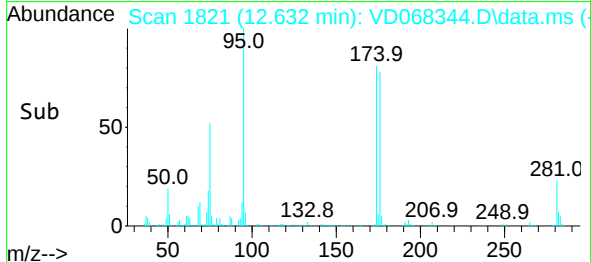
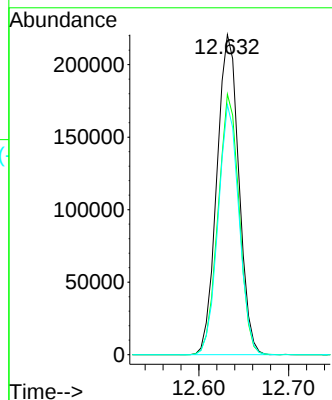
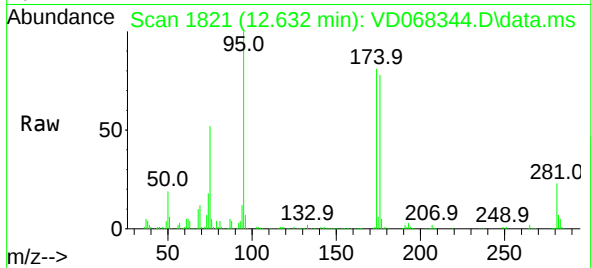




#62
4-Bromofluorobenzene
Concen: 48.49 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

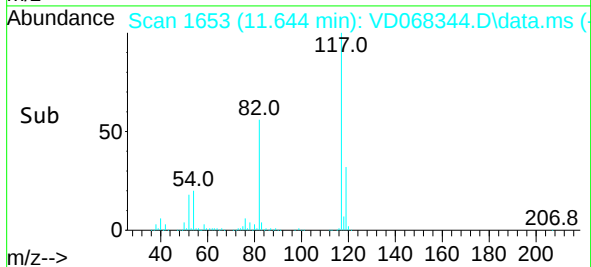
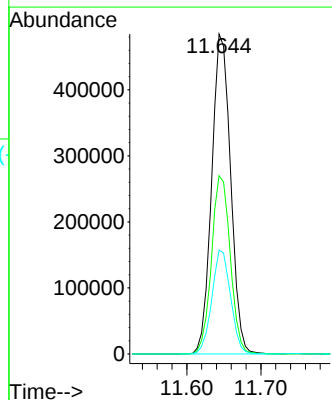
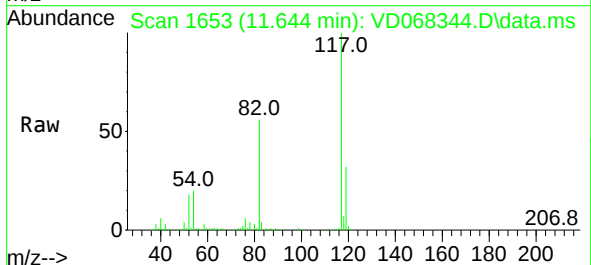
Instrument :
MSVOA_D
ClientSampleId :

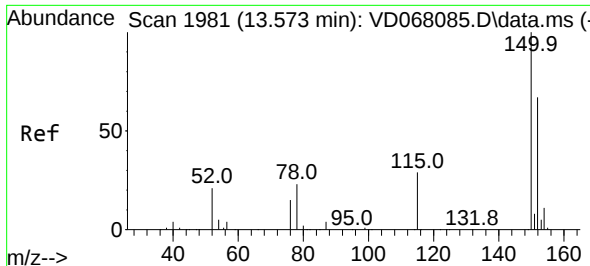
Tgt Ion: 95 Resp: 375529
Ion Ratio Lower Upper
95 100
174 77.7 0.0 172.4
176 74.3 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

Tgt Ion: 117 Resp: 858797
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.0
119 32.5 26.1 39.1

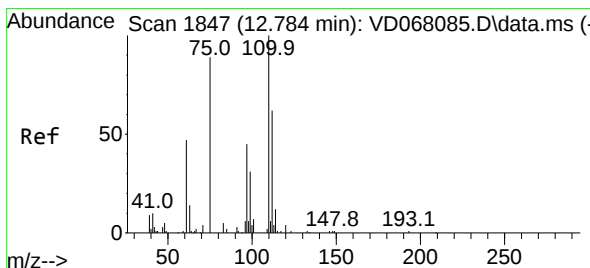
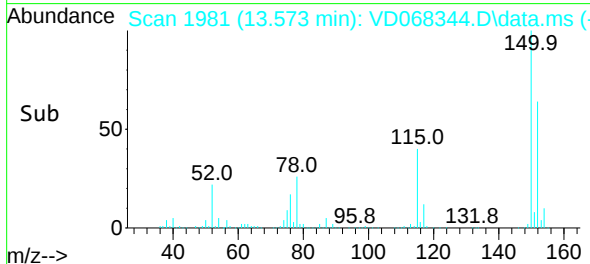
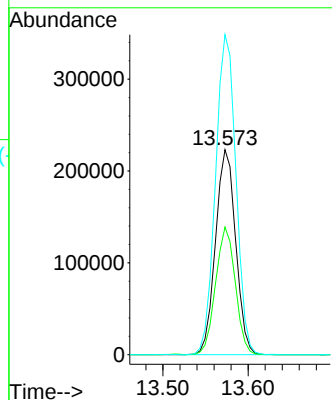
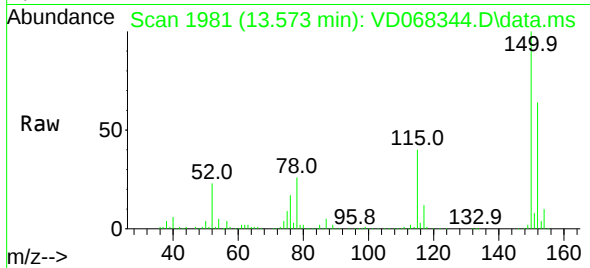




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

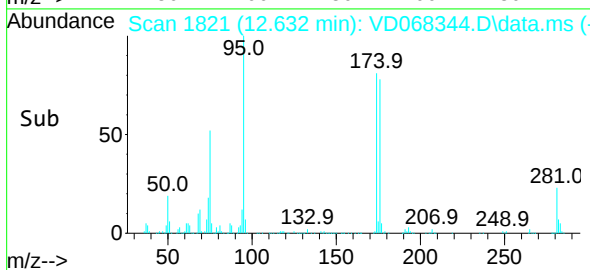
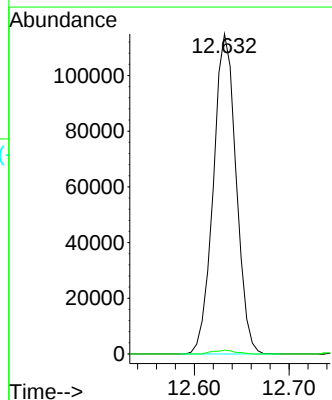
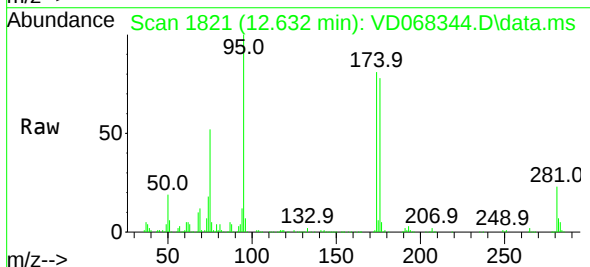
Instrument :
MSVOA_D
ClientSampled :

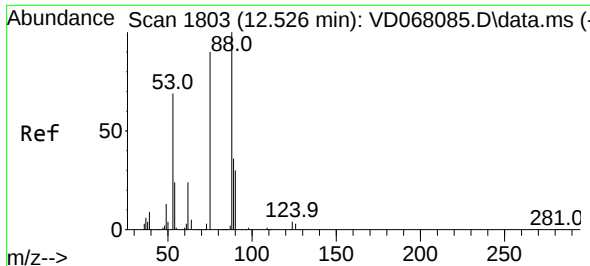
Tgt Ion:152 Resp: 367699
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.8
150 158.2 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 54.01 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

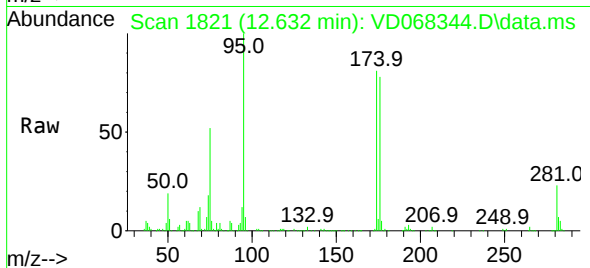
Tgt Ion: 75 Resp: 192033
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



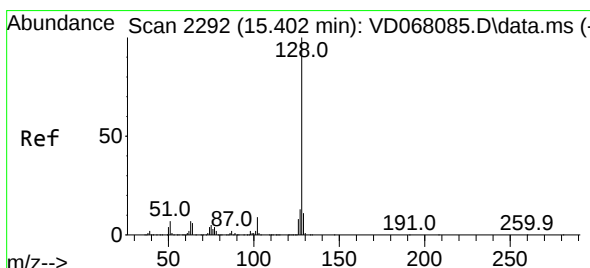
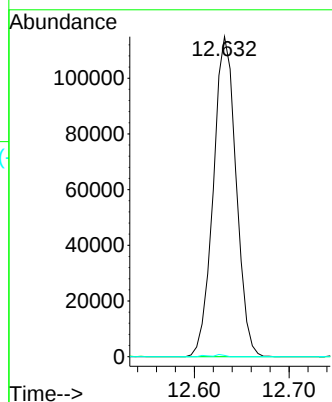
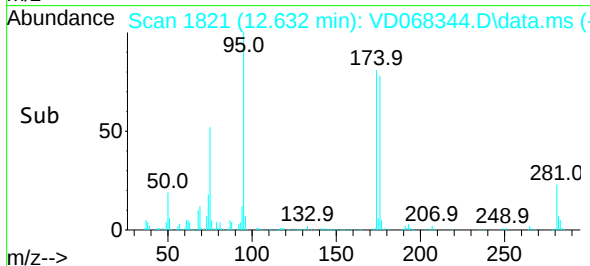


#81
trans-1,4-Dichloro-2-butene
Concen: 109.30 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07

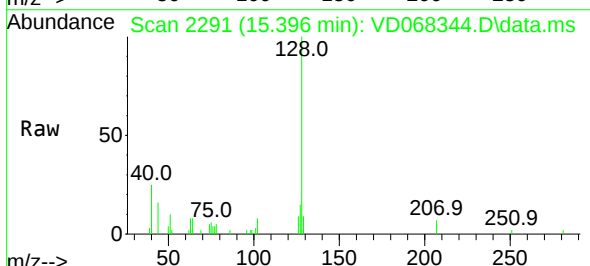
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 192033
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.4 40.3 60.5#



#95
Naphthalene
Concen: 1.40 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068344.D
Acq: 10 Feb 2021 14:07



Tgt Ion: 128 Resp: 19430
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.2
129 11.0 8.8 13.2

