

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020921\
 Data File : VD068336.D
 Acq On : 09 Feb 2021 18:35
 Operator : VA/SY
 Sample : M1346-01
 Misc : 5.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 10 00:18:58 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)

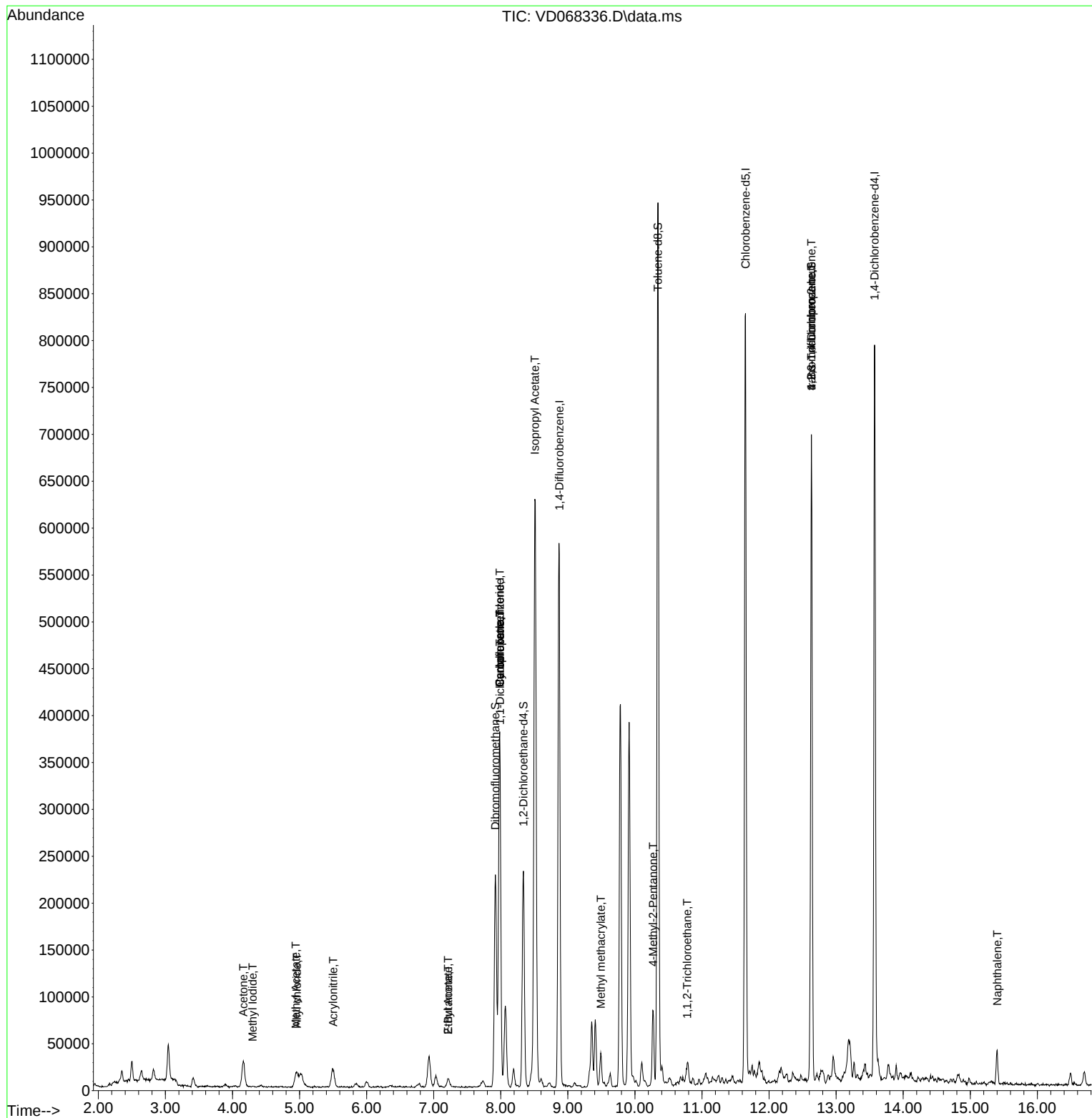
Internal Standards						
1) Pentafluorobenzene	7.985	168	287767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.873	114	530772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	491228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.572	152	212900	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.337	65	186016	67.57	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.14%			
35) Dibromofluoromethane	7.920	113	162739	55.46	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.92%			
50) Toluene-d8	10.343	98	658020	56.06	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.12%			
62) 4-Bromofluorobenzene	12.631	95	215603	51.01	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.02%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.302	142	395	3.27	ug/l #	38
11) Tert butyl alcohol	5.220	59	272	Below Cal	#	74
14) Allyl chloride	4.961	41	8363	1.82	ug/l #	50
15) Acrylonitrile	5.502	53	752	1.20	ug/l #	27
16) Acetone	4.161	43	47617	96.88	ug/l	99
18) Methyl Acetate	4.944	43	11591	9.09	ug/l #	43
20) Methylene Chloride	4.973	84	1543	Below Cal	#	76
25) 2-Butanone	7.214	43	12542	16.95	ug/l	99
31) Cyclohexane	7.985	56	10038	1.68	ug/l #	39
36) 1,1-Dichloropropene	7.990	75	23542	4.40	ug/l #	47
37) Ethyl Acetate	7.214	43	12542	6.62	ug/l #	64
38) Carbon Tetrachloride	7.985	117	29028	5.79	ug/l #	16
43) Isopropyl Acetate	8.508	43	121104	30.69	ug/l #	46
48) Methyl methacrylate	9.490	41	9857	5.02	ug/l #	23
51) 4-Methyl-2-Pentanone	10.273	43	10328	5.63	ug/l #	74
55) 1,1,2-Trichloroethane	10.779	97	4870	1.85	ug/l #	40
76) 1,2,3-Trichloropropane	12.631	75	112417	54.61	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	112417	110.51	ug/l #	14
95) Naphthalene	15.402	128	32884	4.09	ug/l	97

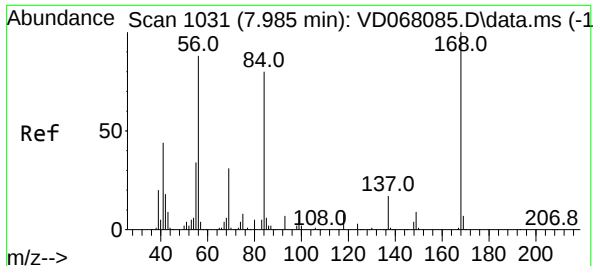
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 19 13:19:08 2021
Response via : Initial Calibration

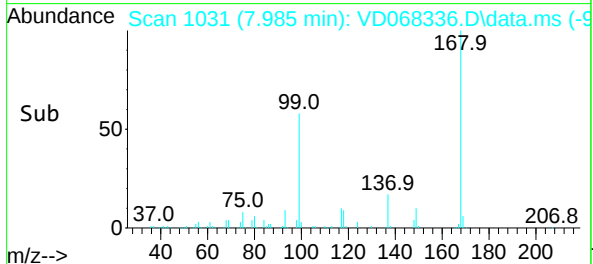
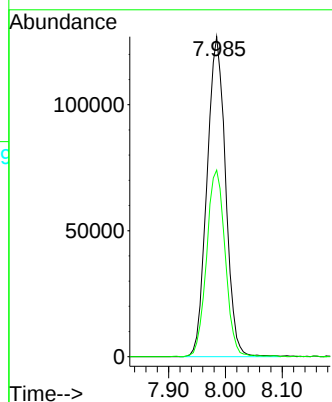
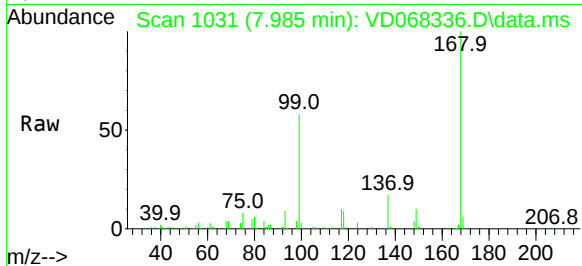




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

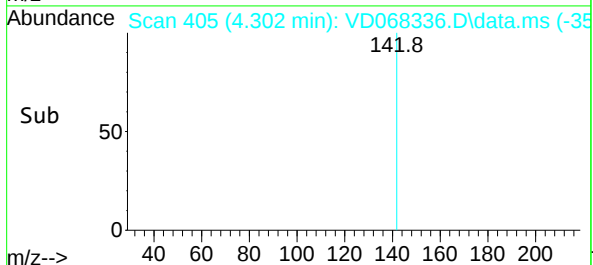
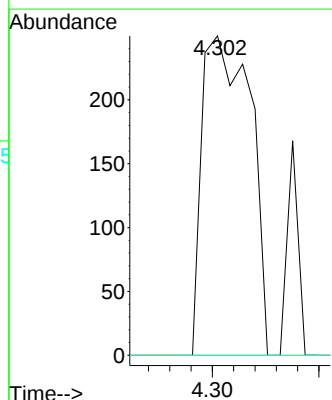
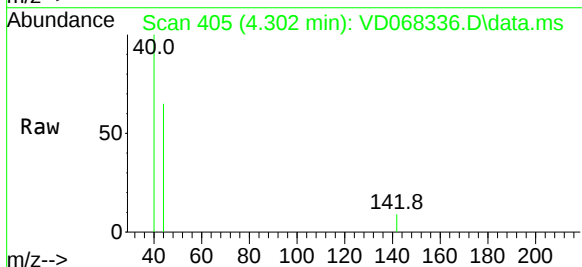
Instrument :
MSVOA_D
ClientSampled :

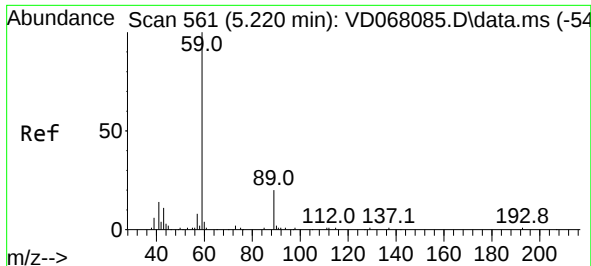
Tgt Ion:168 Resp: 287767
Ion Ratio Lower Upper
168 100
99 58.3 43.5 65.3



#10
Methyl Iodide
Concen: 3.27 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion:142 Resp: 395
Ion Ratio Lower Upper
142 100
127 0.0 37.9 56.9#
141 0.0 11.5 17.3#



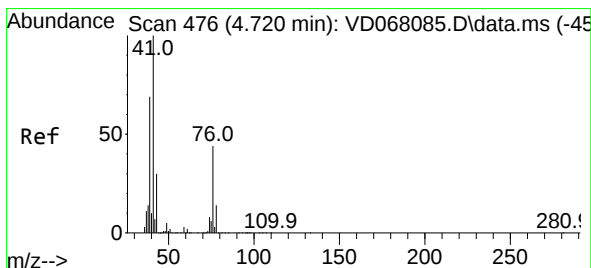
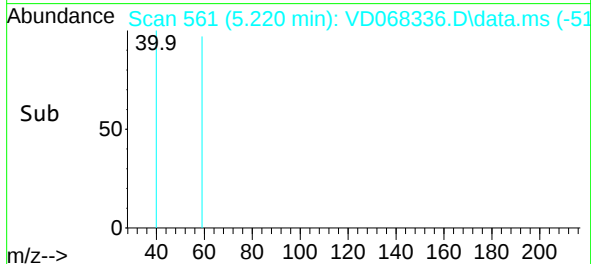
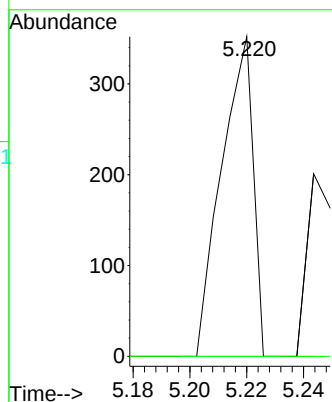
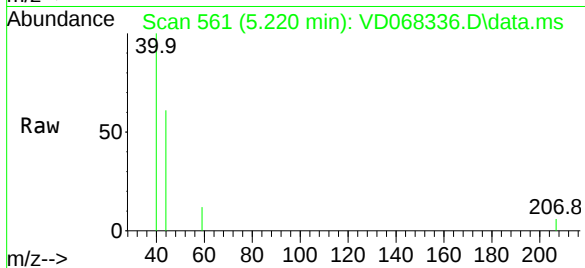


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Instrument :
MSVOA_D
ClientSampleId :

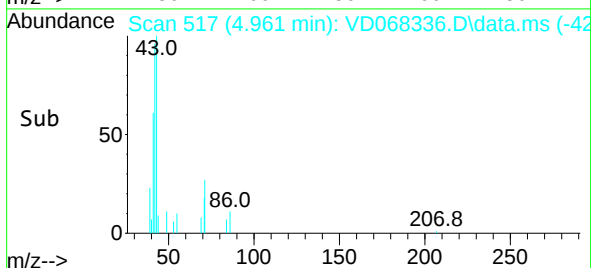
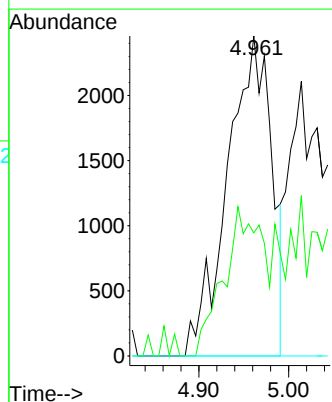
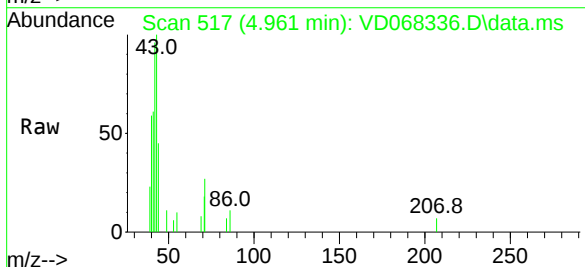
Tgt Ion: 59 Resp: 272
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

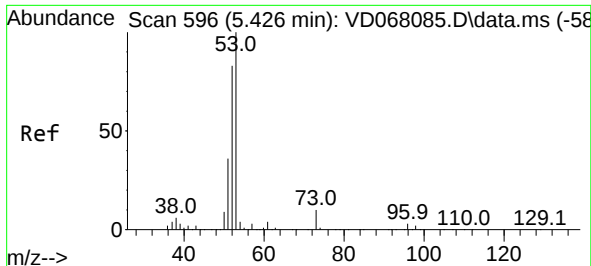


#14

Allyl chloride
Concen: 1.82 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.241 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

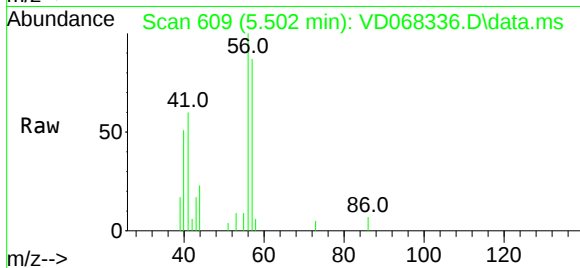
Tgt Ion: 41 Resp: 8363
Ion Ratio Lower Upper
41 100
39 41.2 56.3 84.5#
76 0.0 38.9 58.3#



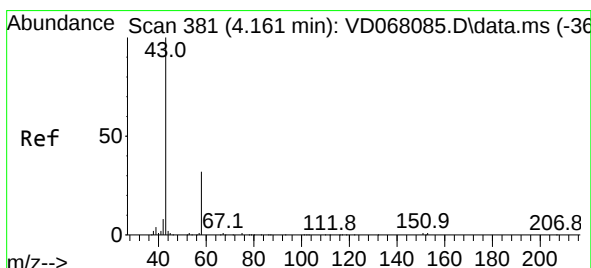
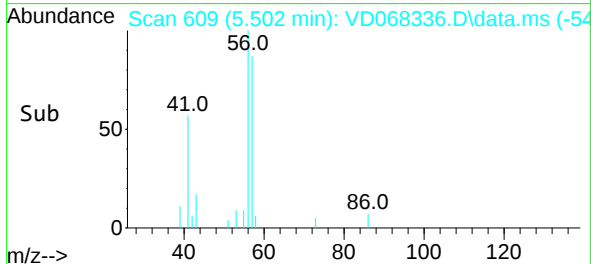
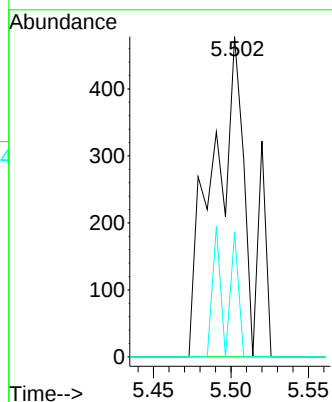


#15
Acrylonitrile
Concen: 1.20 ug/l
RT: 5.502 min Scan# 609
Delta R.T. 0.076 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Instrument :
MSVOA_D
ClientSampled :

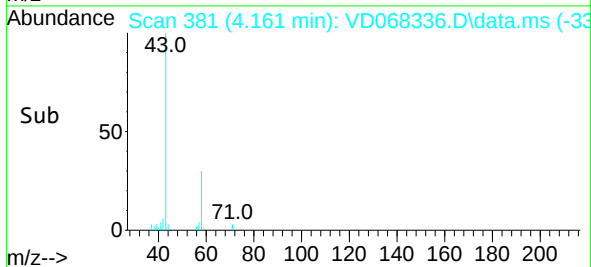
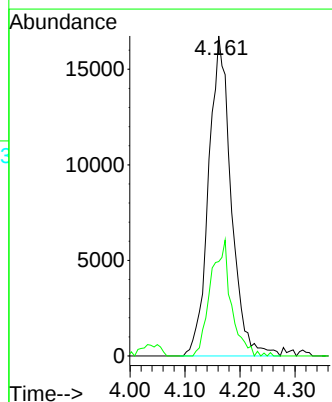
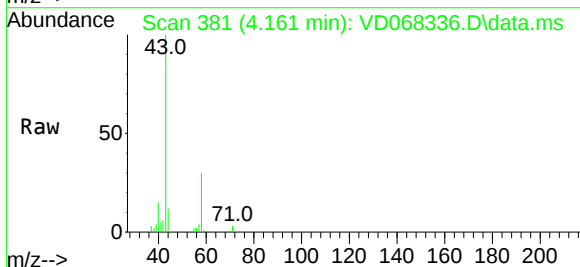


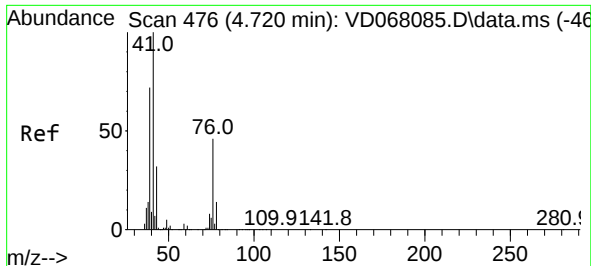
Tgt Ion: 53 Resp: 752
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.2#
51 17.8 29.0 43.4#



#16
Acetone
Concen: 96.88 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 43 Resp: 47617
Ion Ratio Lower Upper
43 100
58 29.5 24.2 36.4

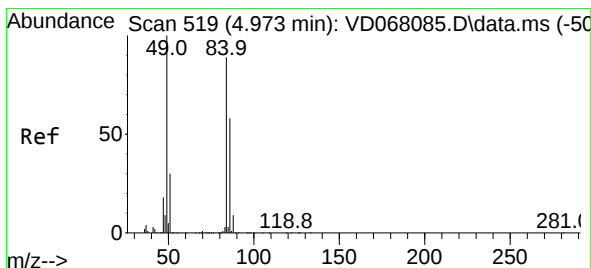
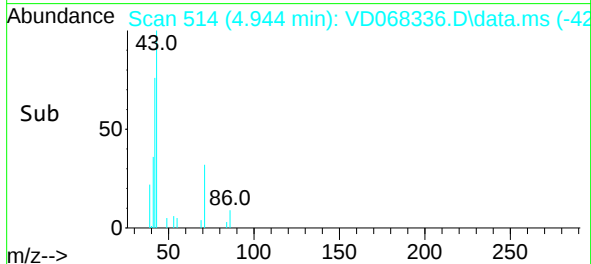
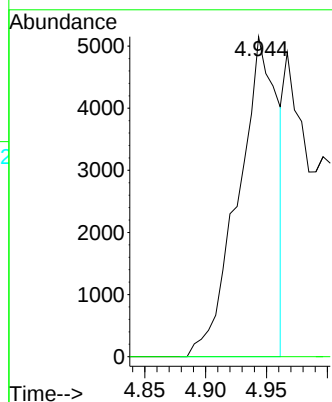
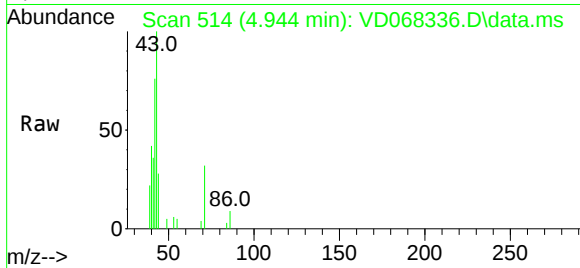




#18
Methyl Acetate
Concen: 9.09 ug/l
RT: 4.944 min Scan# 514
Delta R.T. 0.223 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

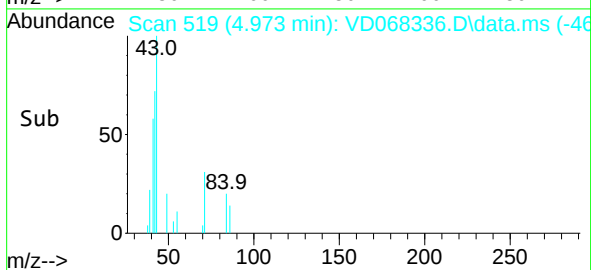
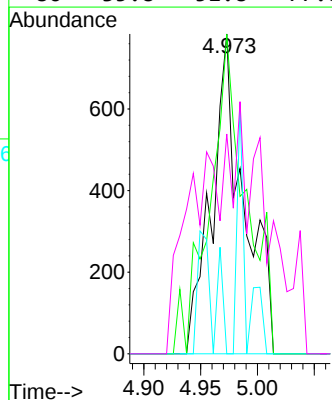
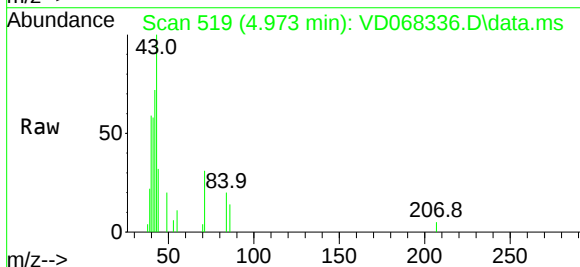
Instrument :
MSVOA_D
ClientSampled :

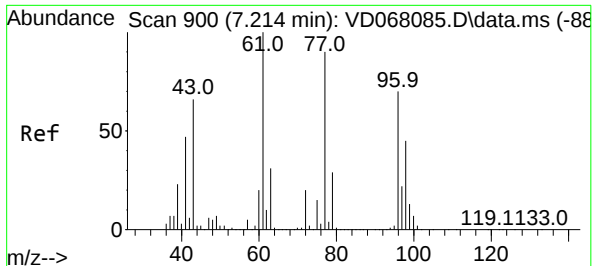
Tgt Ion: 43 Resp: 11591
Ion Ratio Lower Upper
43 100
74 0.0 25.4 38.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 84 Resp: 1543
Ion Ratio Lower Upper
84 100
49 99.9 77.4 116.2
51 0.0 26.1 39.1#
86 35.8 51.8 77.8#

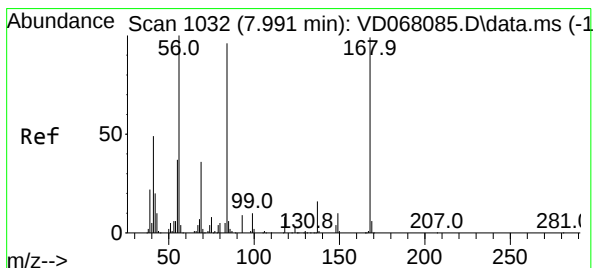
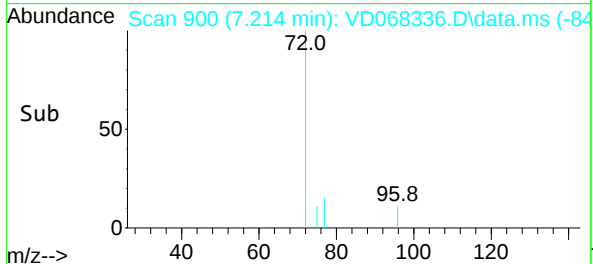
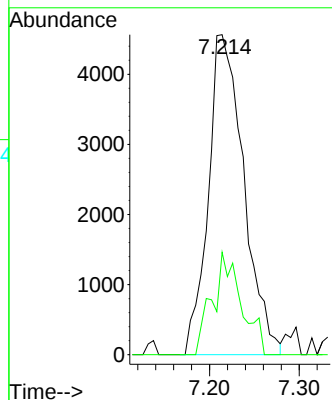
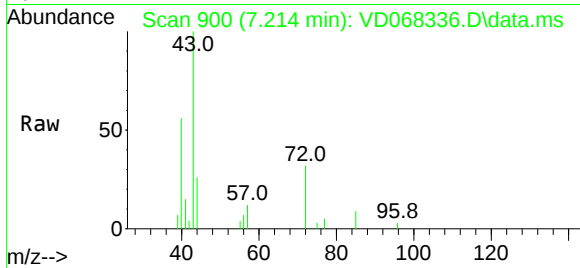




#25
2-Butanone
Concen: 16.95 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

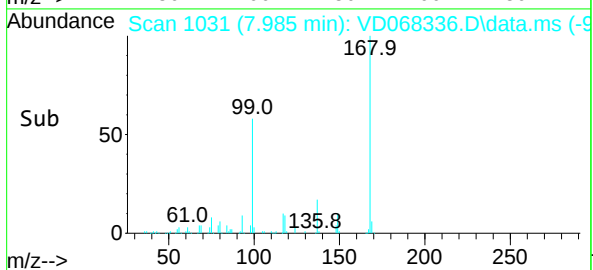
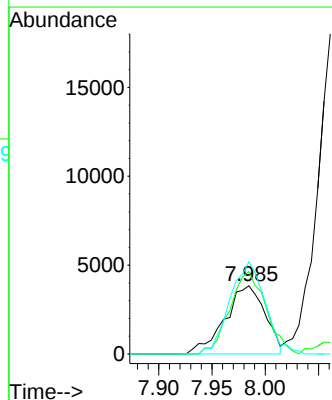
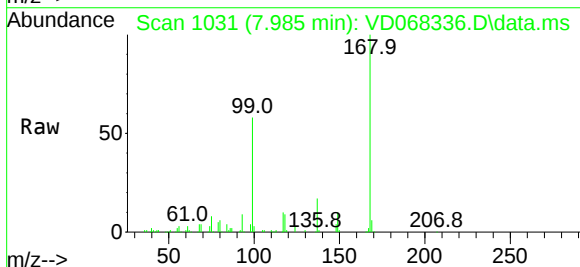
Instrument :
MSVOA_D
ClientSampled :

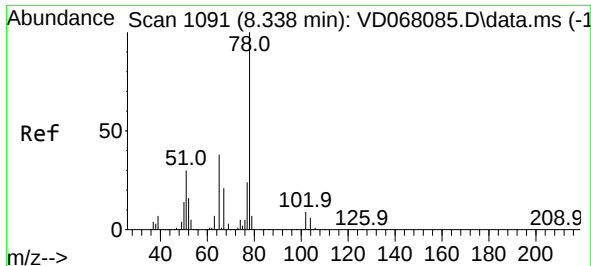
Tgt Ion: 43 Resp: 12542
Ion Ratio Lower Upper
43 100
72 32.0 25.1 37.7



#31
Cyclohexane
Concen: 1.68 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 56 Resp: 10038
Ion Ratio Lower Upper
56 100
69 120.8 30.1 45.1#
84 135.1 82.1 123.1#

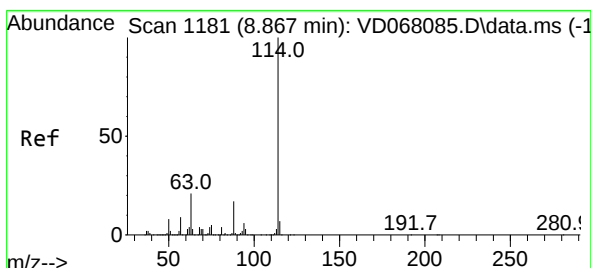
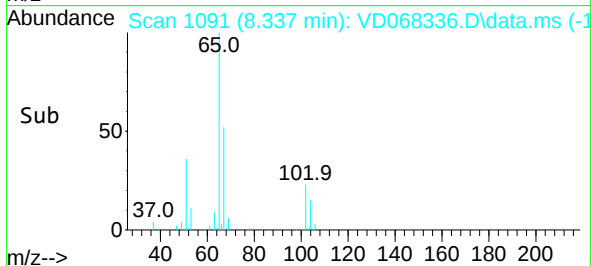
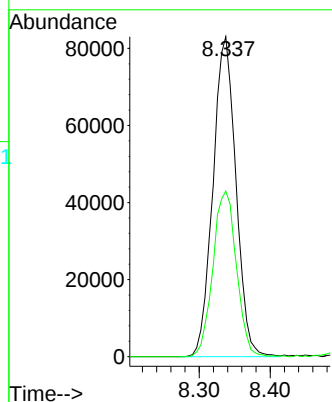
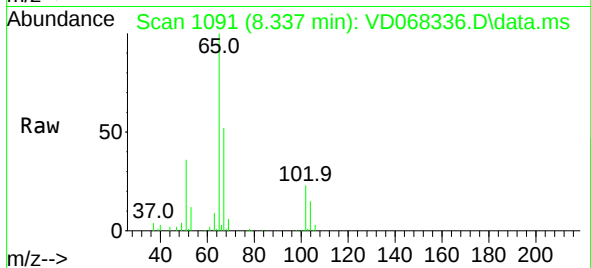




#33
1,2-Dichloroethane-d4
Concen: 67.57 ug/l
RT: 8.337 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

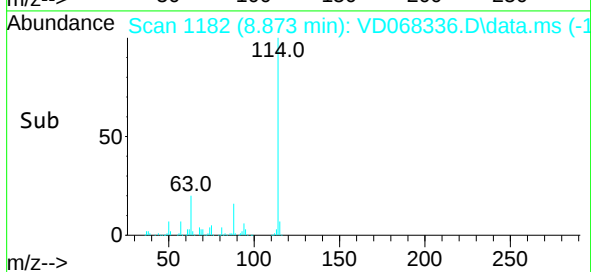
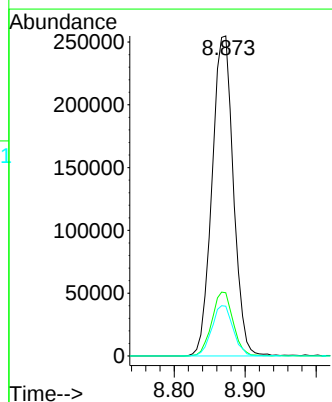
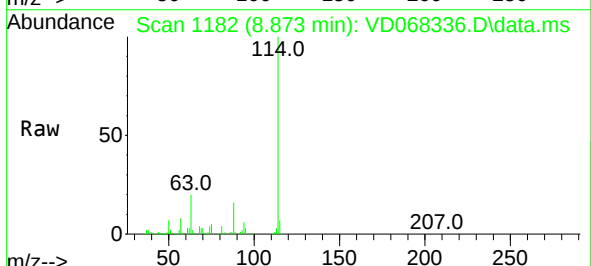
Instrument :
MSVOA_D
ClientSampled :

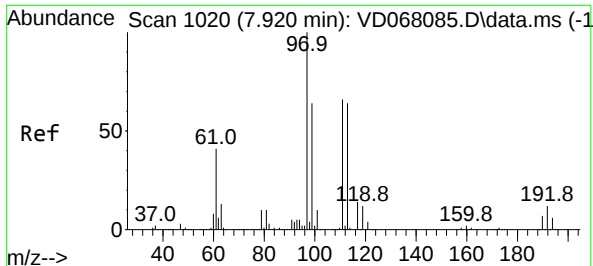
Tgt Ion: 65 Resp: 186016
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.873 min Scan# 1182
Delta R.T. 0.006 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 114 Resp: 530772
Ion Ratio Lower Upper
114 100
63 19.8 0.0 34.8
88 15.6 0.0 31.6

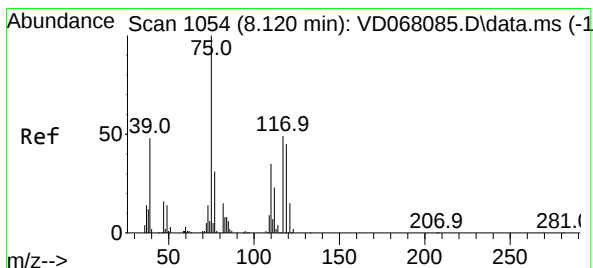
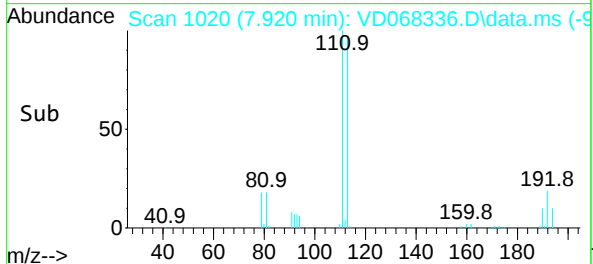
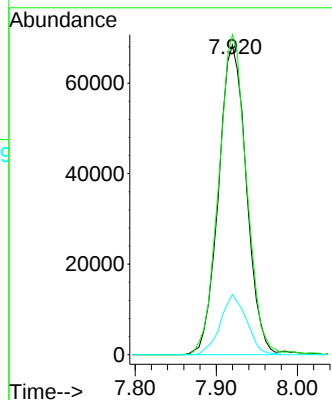
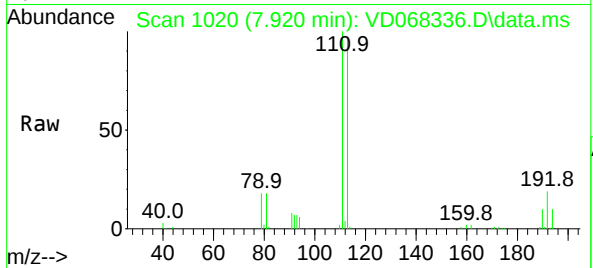




#35
Dibromofluoromethane
Concen: 55.46 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

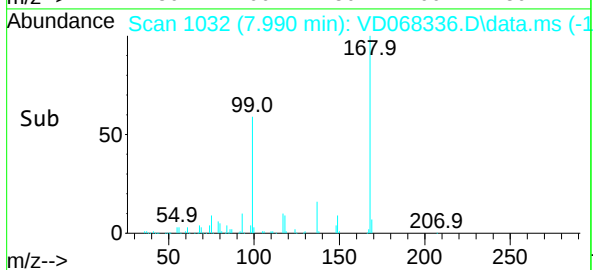
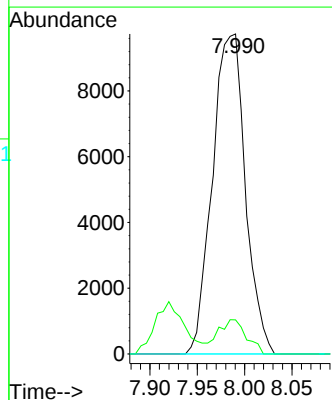
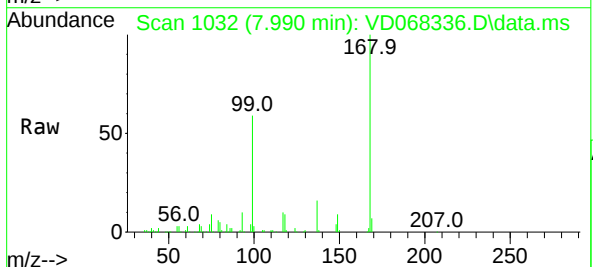
Instrument :
MSVOA_D
ClientSampled :

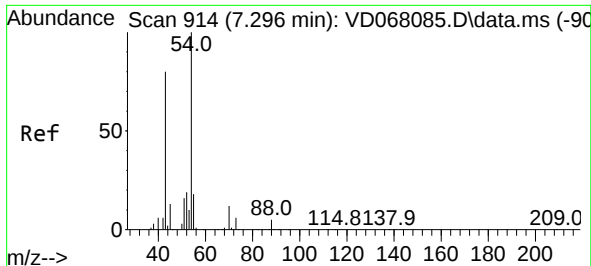
Tgt Ion:113 Resp: 162739
Ion Ratio Lower Upper
113 100
111 103.7 81.4 122.0
192 18.3 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 7.990 min Scan# 1032
Delta R.T. -0.130 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 75 Resp: 23542
Ion Ratio Lower Upper
75 100
110 9.0 19.4 58.2#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 6.62 ug/l

RT: 7.214 min Scan# 900

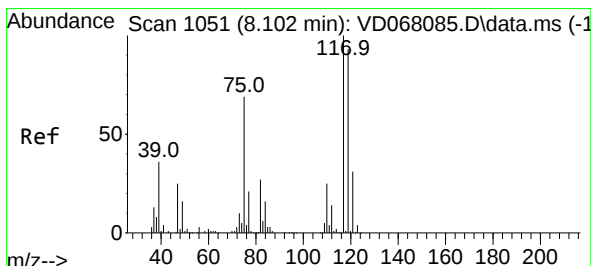
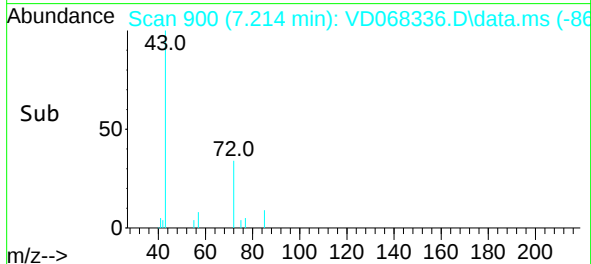
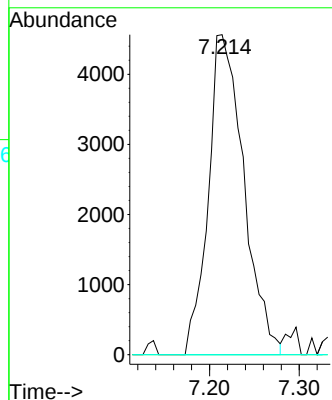
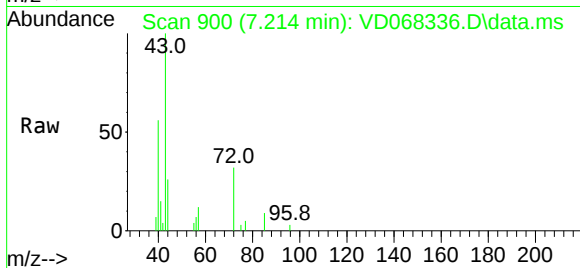
Delta R.T. -0.082 min

Lab File: VD068336.D

Acq: 09 Feb 2021 18:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	43	Resp:	12542
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	11.0	16.6#



#38

Carbon Tetrachloride

Concen: 5.79 ug/l

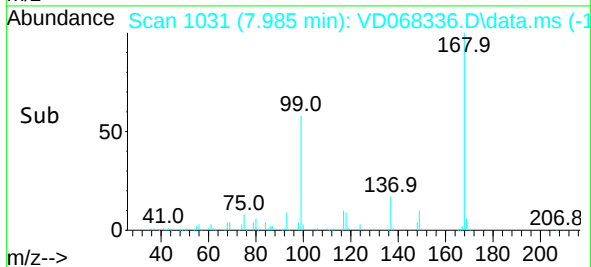
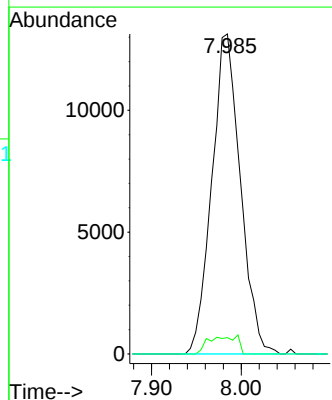
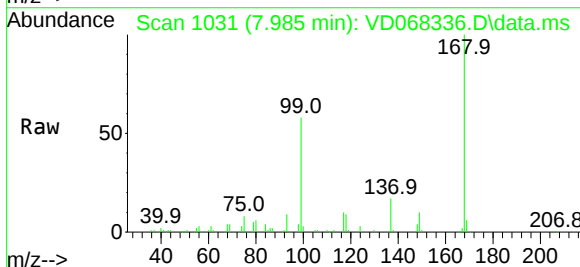
RT: 7.985 min Scan# 1031

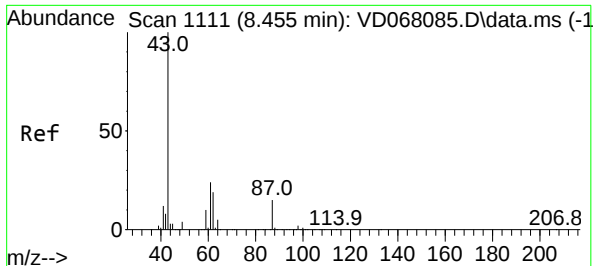
Delta R.T. -0.118 min

Lab File: VD068336.D

Acq: 09 Feb 2021 18:35

Tgt Ion:	117	Resp:	29028
Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.3	115.9#
121	0.0	24.7	37.1#

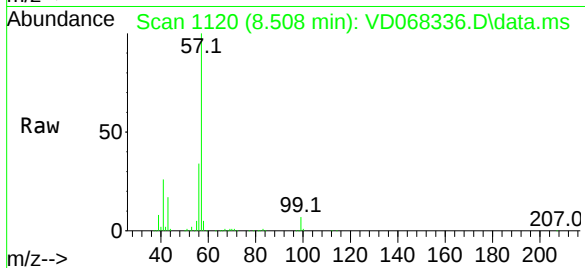




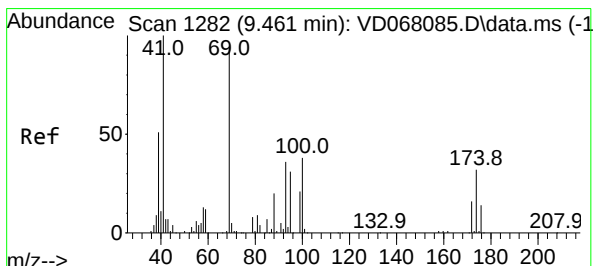
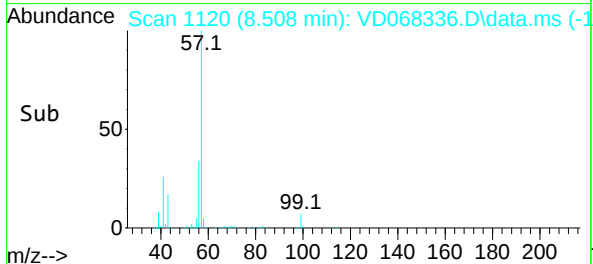
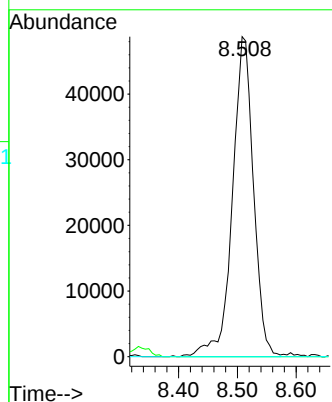
#43

Isopropyl Acetate
Concen: 30.69 ug/l
RT: 8.508 min Scan# 1120
Delta R.T. 0.053 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Instrument :
MSVOA_D
ClientSampled :



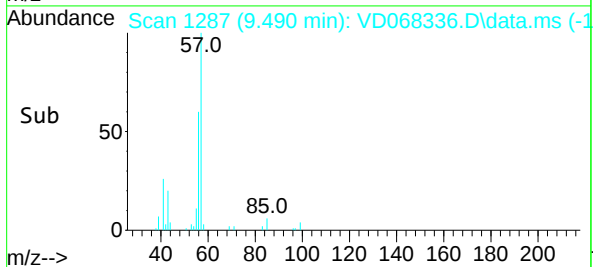
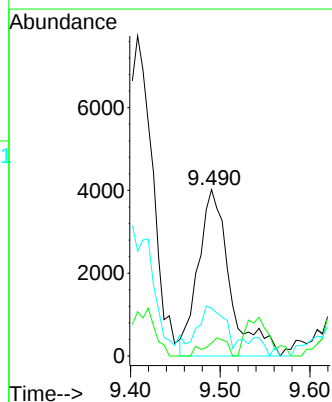
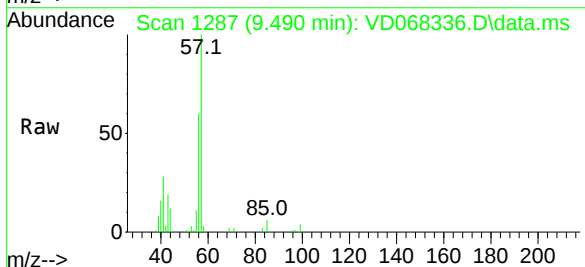
Tgt Ion: 43 Resp: 121104
Ion Ratio Lower Upper
43 100
61 0.0 28.7 43.1#
87 0.0 13.9 20.9#

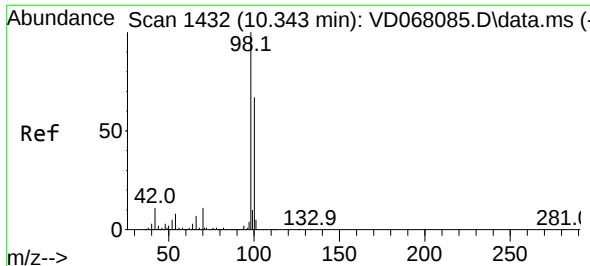


#48

Methyl methacrylate
Concen: 5.02 ug/l
RT: 9.490 min Scan# 1287
Delta R.T. 0.029 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 41 Resp: 9857
Ion Ratio Lower Upper
41 100
69 7.4 77.1 115.7#
39 16.6 41.5 62.3#

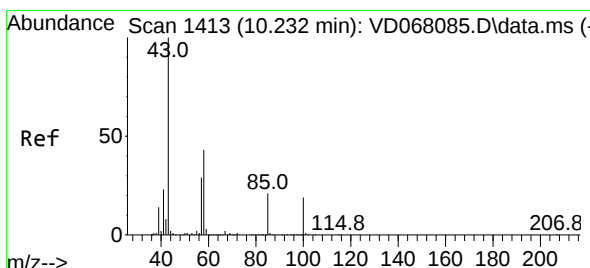
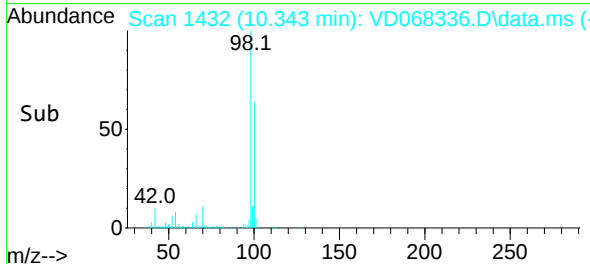
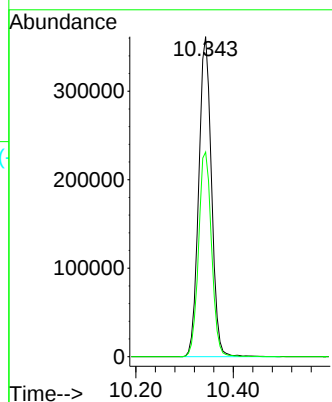
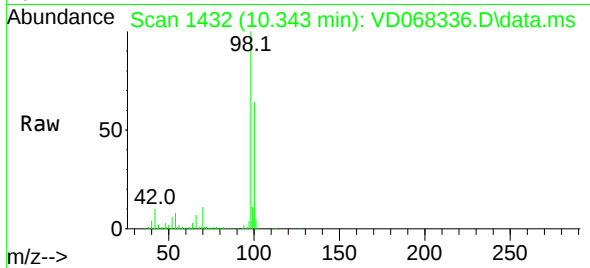




#50
Toluene-d8
Concen: 56.06 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

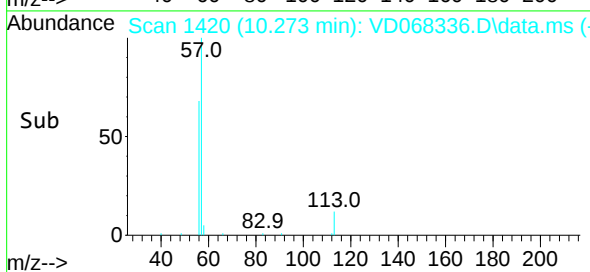
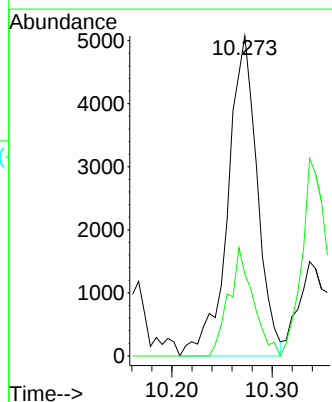
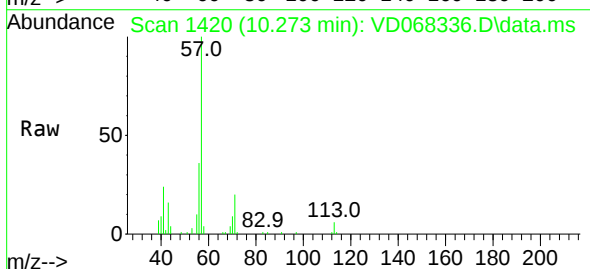
Instrument :
MSVOA_D
ClientSampled :

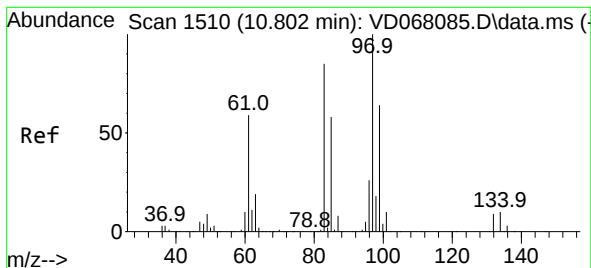
Tgt Ion: 98 Resp: 658020
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 5.63 ug/l
RT: 10.273 min Scan# 1420
Delta R.T. 0.041 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 43 Resp: 10328
Ion Ratio Lower Upper
43 100
58 28.0 36.1 54.1#

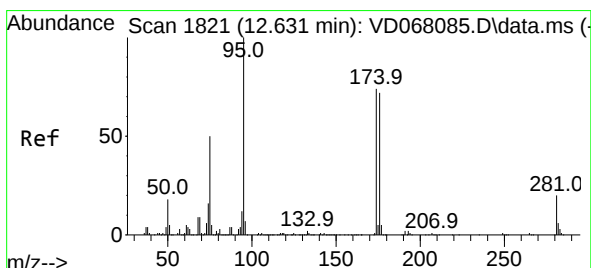
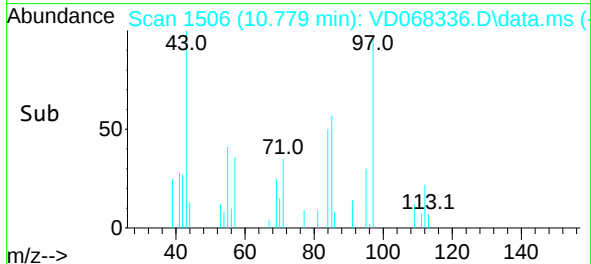
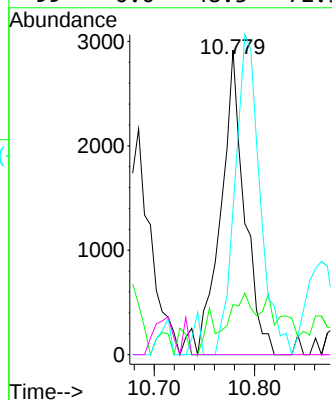
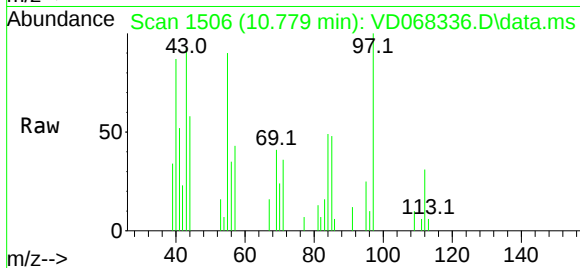




#55
1,1,2-Trichloroethane
Concen: 1.85 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.024 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

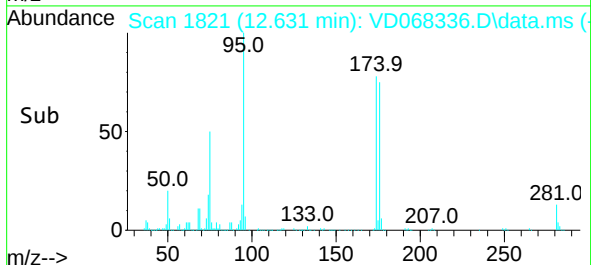
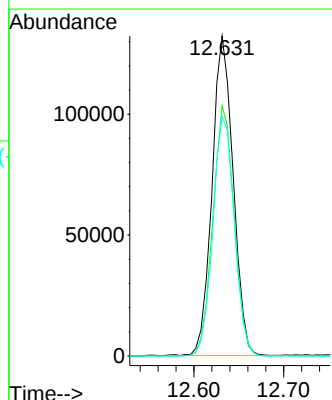
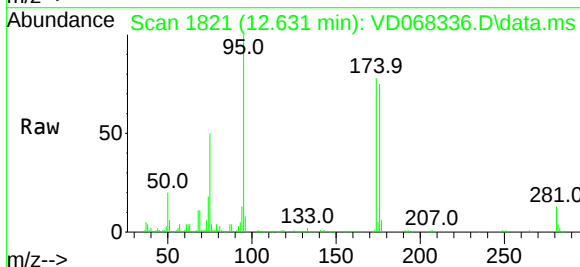
Instrument :
MSVOA_D
ClientSampled :

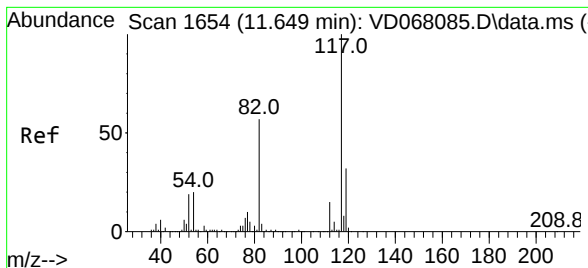
Tgt Ion: 97 Resp: 4870
Ion Ratio Lower Upper
97 100
83 7.7 61.8 92.6#
85 47.6 42.2 63.2
99 0.0 48.3 72.5#



#62
4-Bromofluorobenzene
Concen: 51.01 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 95 Resp: 215603
Ion Ratio Lower Upper
95 100
174 79.3 0.0 172.4
176 76.0 0.0 168.4

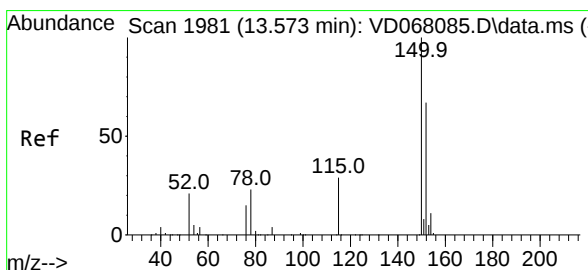
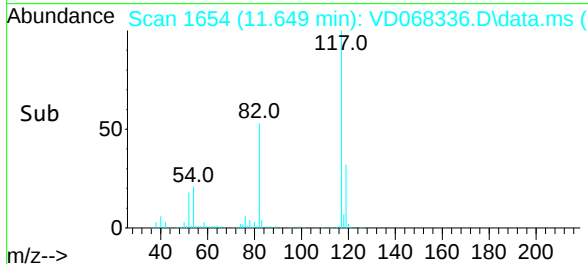
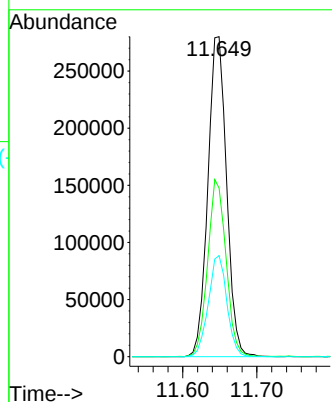
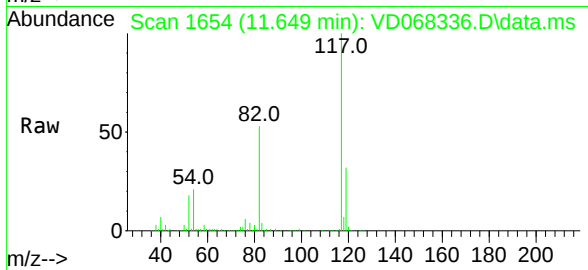




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

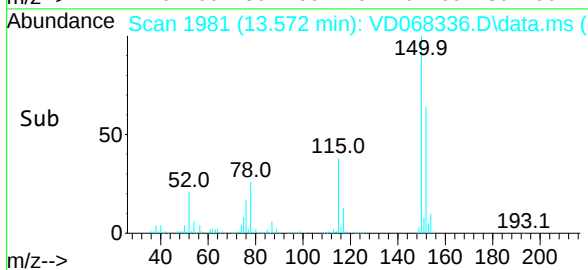
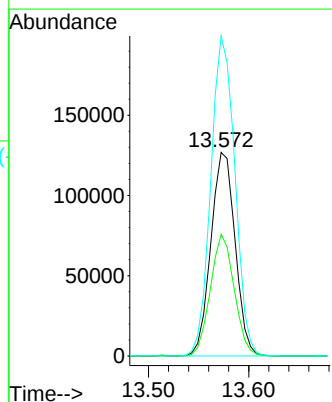
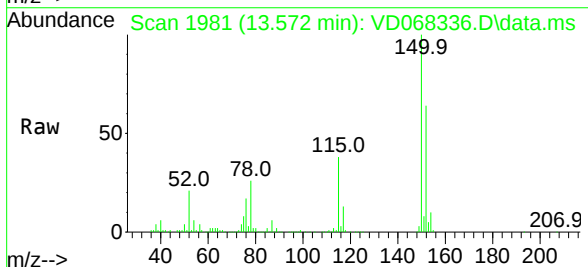
Instrument :
MSVOA_D
ClientSampled :

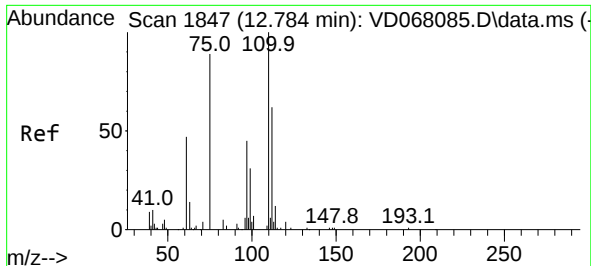
Tgt Ion:117 Resp: 491228
Ion Ratio Lower Upper
117 100
82 52.6 41.4 62.0
119 31.6 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.572 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion:152 Resp: 212900
Ion Ratio Lower Upper
152 100
115 58.6 28.9 86.8
150 156.0 0.0 344.4

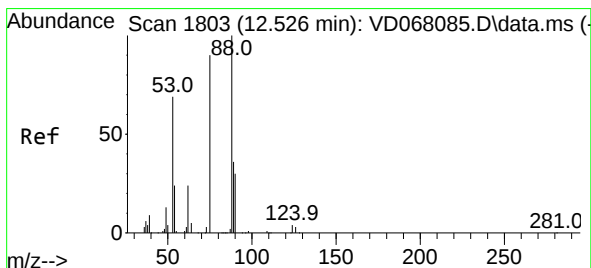
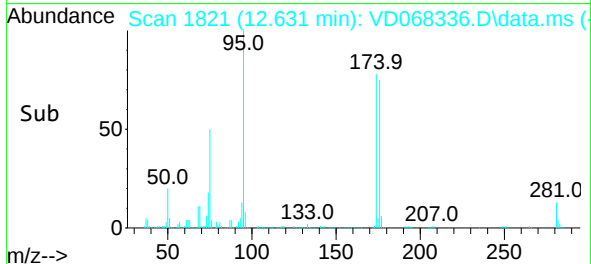
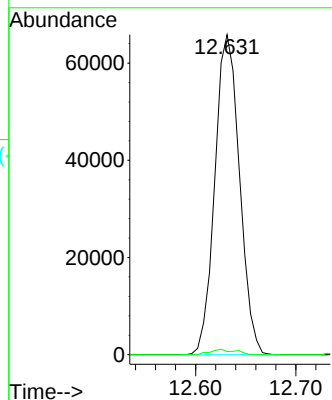
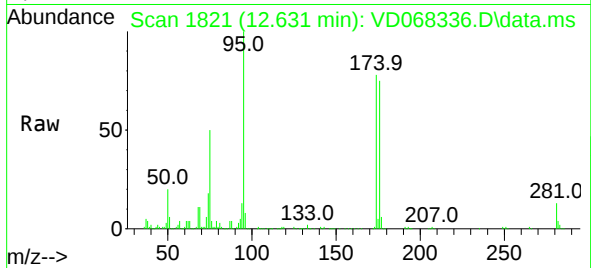




#76
1,2,3-Trichloropropane
Concen: 54.61 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

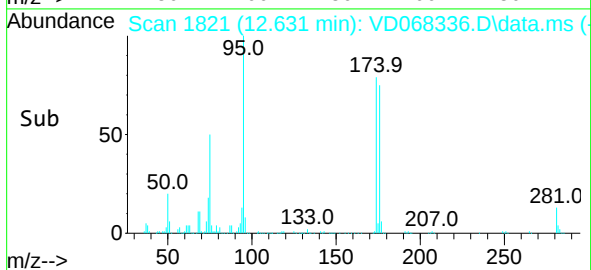
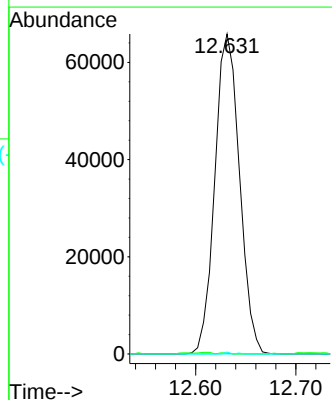
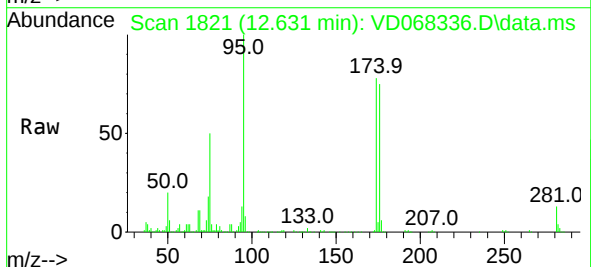
Instrument :
MSVOA_D
ClientSampleId :

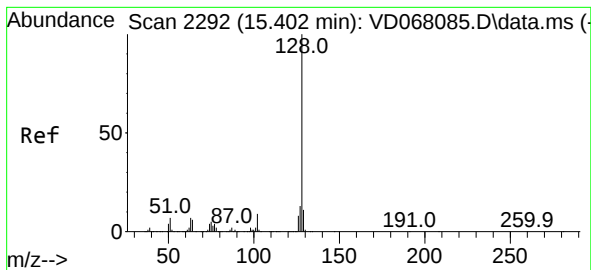
Tgt Ion: 75 Resp: 112417
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.51 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068336.D
Acq: 09 Feb 2021 18:35

Tgt Ion: 75 Resp: 112417
Ion Ratio Lower Upper
75 100
53 0.3 70.2 105.2#
89 0.2 40.3 60.5#





#95
 Naphthalene
 Concen: 4.09 ug/l
 RT: 15.402 min Scan# 2292
 Delta R.T. -0.000 min
 Lab File: VD068336.D
 Acq: 09 Feb 2021 18:35

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:128 Resp: 32884
 Ion Ratio Lower Upper
 128 100
 127 11.6 10.2 15.2
 129 12.4 8.8 13.2

