

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020921\
 Data File : VD068332.D
 Acq On : 09 Feb 2021 16:46
 Operator : VA/SY
 Sample : M1347-01
 Misc : 2.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 10 00:17:46 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)

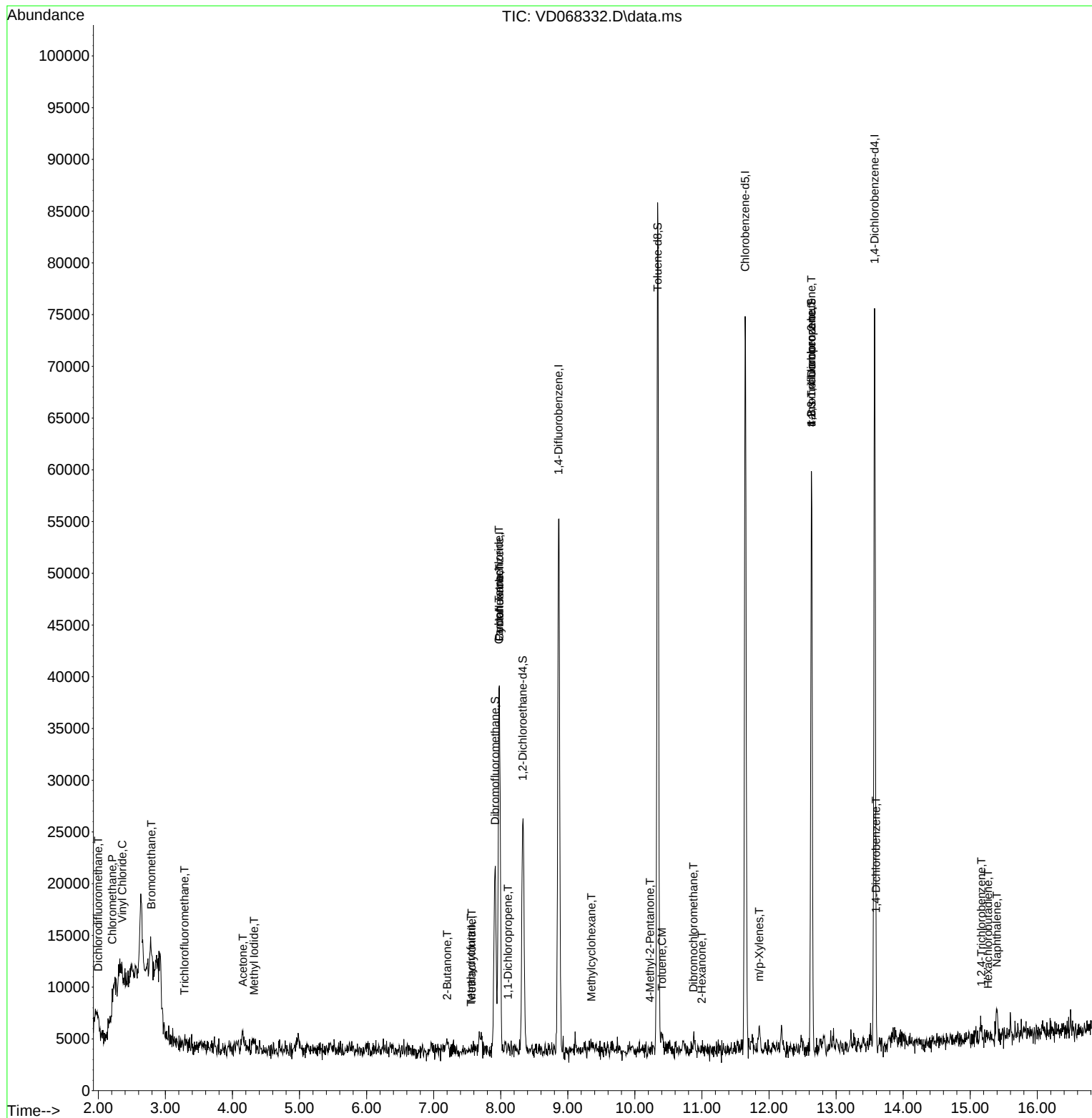
Internal Standards						
1) Pentafluorobenzene	7.979	168	26743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	46312	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	42304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	19343	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	18885	73.82	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 147.64%			
35) Dibromofluoromethane	7.914	113	12991	50.74	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.48%			
50) Toluene-d8	10.338	98	56452	55.12	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.24%			
62) 4-Bromofluorobenzene	12.632	95	19910	53.98	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.96%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.997	85	327	1.03	ug/l #	44
3) Chloromethane	2.209	50	979	2.86	ug/l #	63
4) Vinyl Chloride	2.356	62	465	1.22	ug/l #	43
5) Bromomethane	2.791	94	1716	6.58	ug/l	84
7) Trichlorofluoromethane	3.285	101	506	1.01	ug/l #	18
10) Methyl Iodide	4.320	142	1641	7.86	ug/l #	44
16) Acetone	4.156	43	2625	57.47	ug/l	97
20) Methylene Chloride	4.967	84	700	Below Cal	#	79
25) 2-Butanone	7.203	43	343	4.99	ug/l #	43
29) Tetrahydrofuran	7.556	42	196	4.40	ug/l #	26
31) Cyclohexane	7.979	56	1322	2.39	ug/l #	48
36) 1,1-Dichloropropene	8.108	75	510	1.09	ug/l #	52
38) Carbon Tetrachloride	7.973	117	2596	5.94	ug/l #	12
39) Methylcyclohexane	9.350	83	688	1.13	ug/l #	49
41) Methacrylonitrile	7.567	41	169	1.70	ug/l #	19
51) 4-Methyl-2-Pentanone	10.226	43	218	1.36	ug/l #	31
52) Toluene	10.402	92	877	1.03	ug/l	86
59) 2-Hexanone	10.997	43	331	2.98	ug/l #	43
60) Dibromochloromethane	10.873	129	352	1.22	ug/l #	11
68) m/p-Xylenes	11.855	106	1232	1.96	ug/l	91
76) 1,2,3-Trichloropropane	12.632	75	8487	45.38	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	8487	91.83	ug/l #	13
88) 1,4-Dichlorobenzene	13.596	146	733	1.12	ug/l #	68
93) 1,2,4-Trichlorobenzene	15.167	180	794	2.04	ug/l	96
94) Hexachlorobutadiene	15.267	225	249	1.15	ug/l #	18
95) Naphthalene	15.396	128	3495	4.78	ug/l #	91

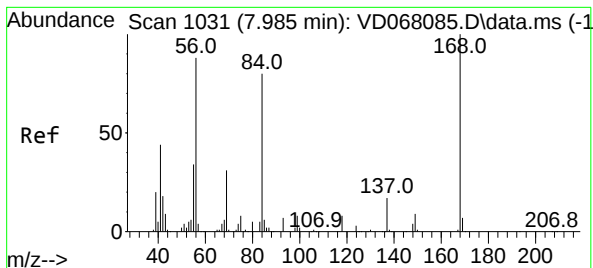
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD068332.D
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Instrument :
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Quant Title : SW846 8260
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Response via : Initial Calibration

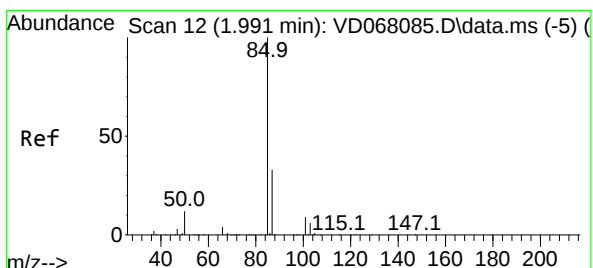
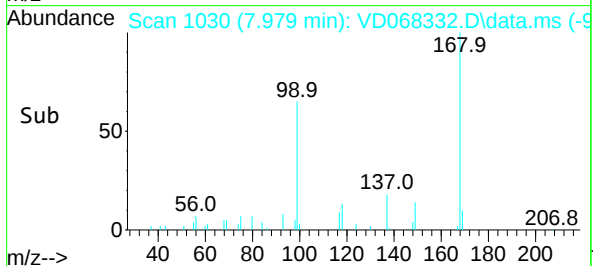
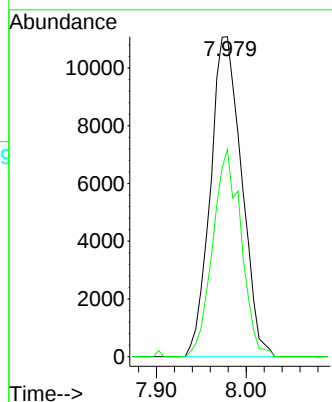
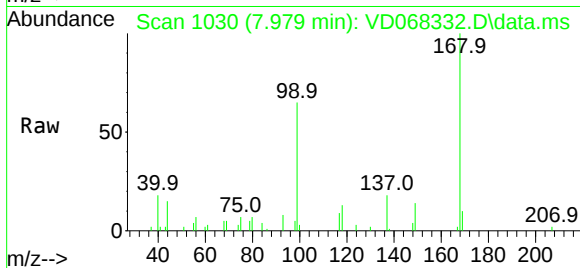




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

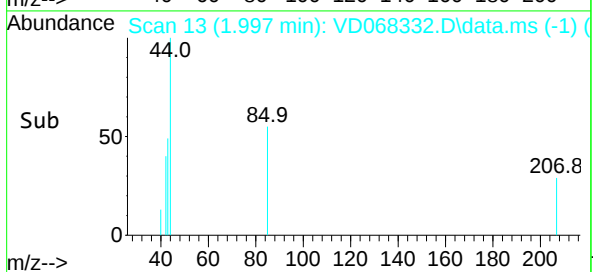
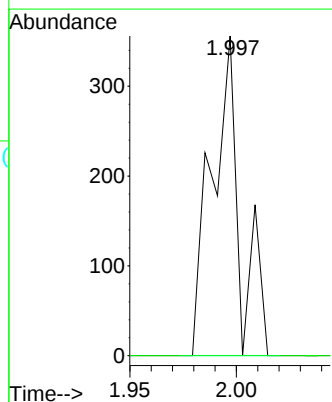
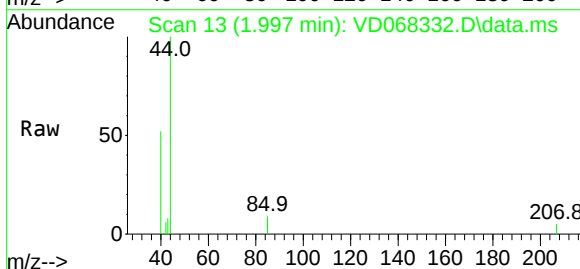
Instrument :
MSVOA_D
ClientSampled :

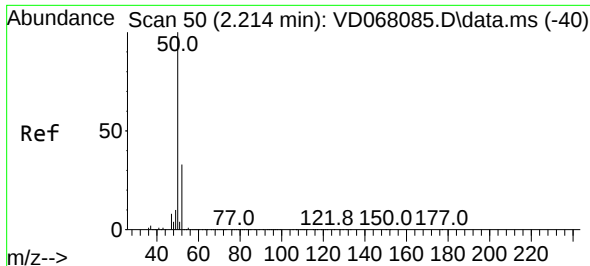
Tgt Ion:168 Resp: 26743
Ion Ratio Lower Upper
168 100
99 64.9 43.5 65.3



#2
Dichlorodifluoromethane
Concen: 1.03 ug/l
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 85 Resp: 327
Ion Ratio Lower Upper
85 100
87 0.0 15.4 46.1#

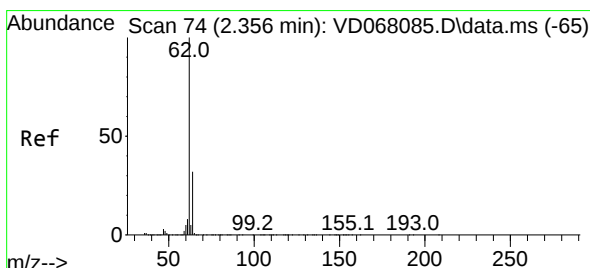
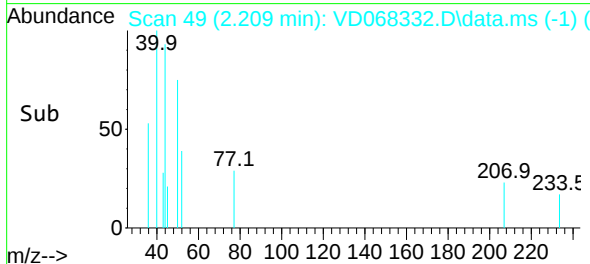
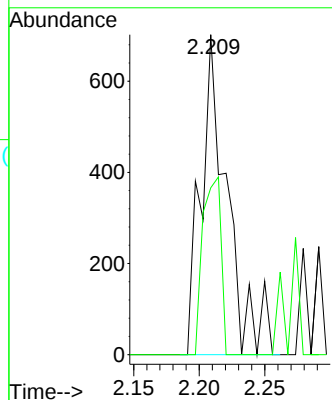
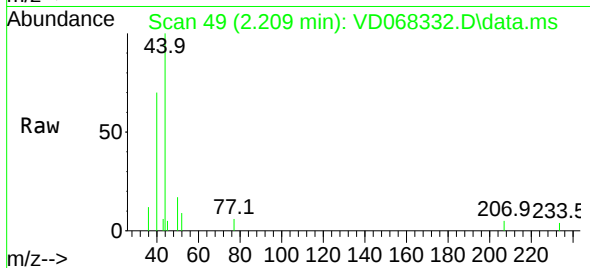




#3
Chloromethane
Concen: 2.86 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.005 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

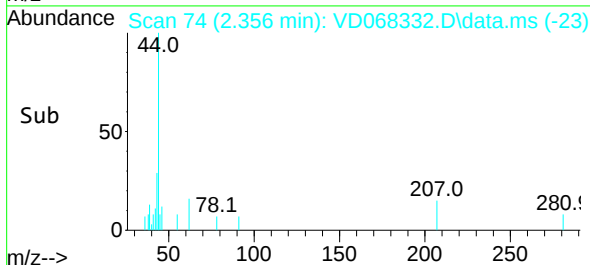
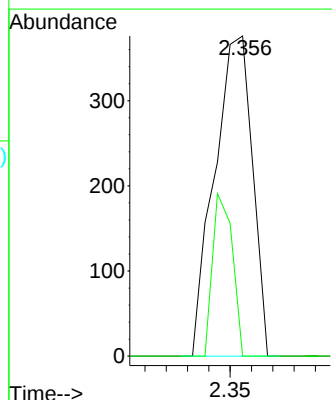
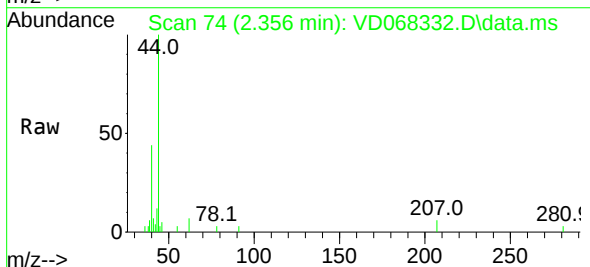
Instrument :
MSVOA_D
ClientSampled :

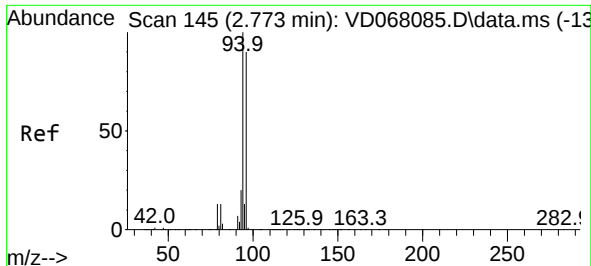
Tgt Ion: 50 Resp: 979
Ion Ratio Lower Upper
50 100
52 52.1 25.4 38.2#



#4
Vinyl Chloride
Concen: 1.22 ug/l
RT: 2.356 min Scan# 74
Delta R.T. -0.000 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 62 Resp: 465
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.2#

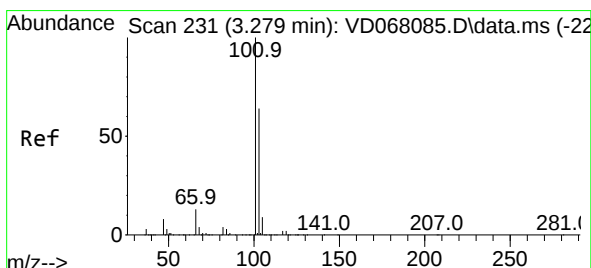
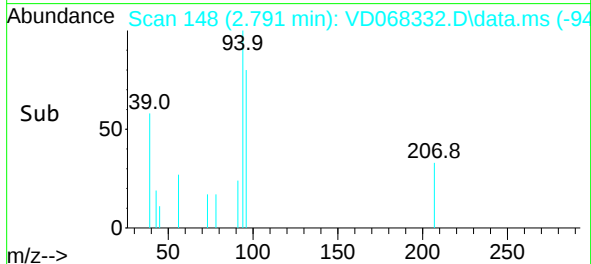
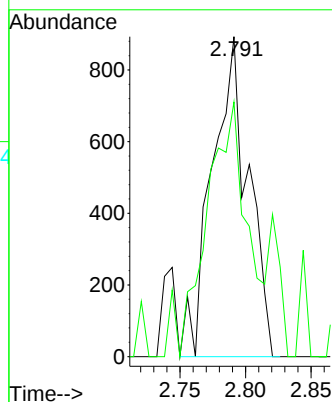
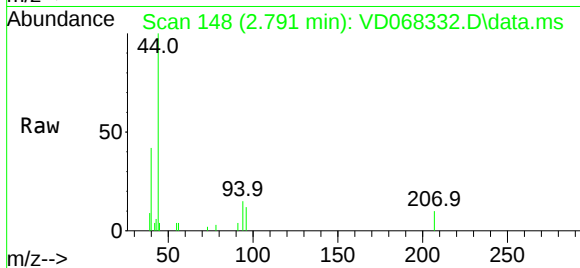




#5
Bromomethane
Concen: 6.58 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.018 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

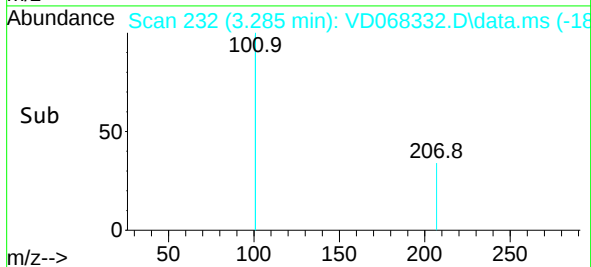
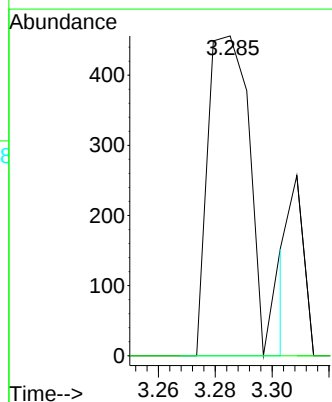
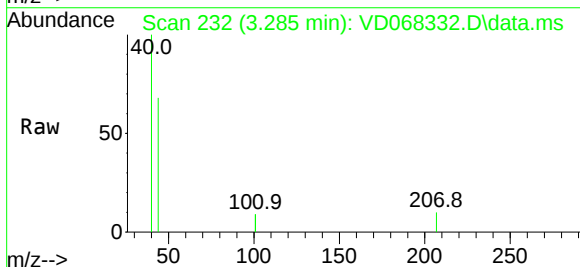
Instrument :
MSVOA_D
ClientSampled :

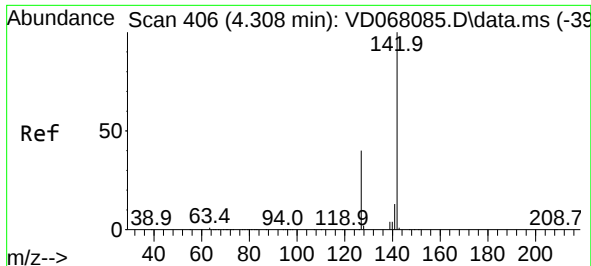
Tgt Ion: 94 Resp: 1716
Ion Ratio Lower Upper
94 100
96 79.6 75.8 113.8



#7
Trichlorofluoromethane
Concen: 1.01 ug/l
RT: 3.285 min Scan# 232
Delta R.T. 0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

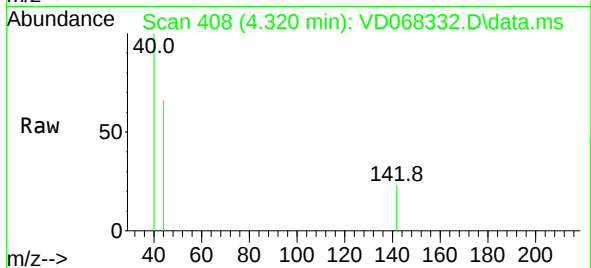
Tgt Ion:101 Resp: 506
Ion Ratio Lower Upper
101 100
103 0.0 52.0 78.0#



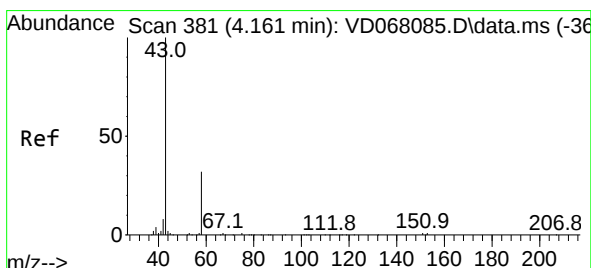
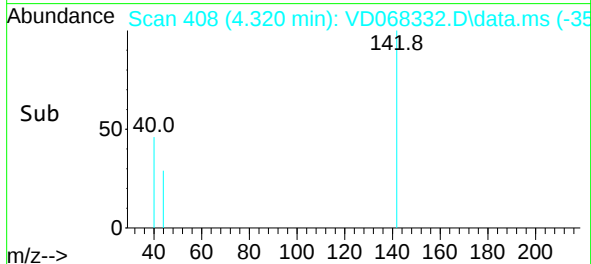
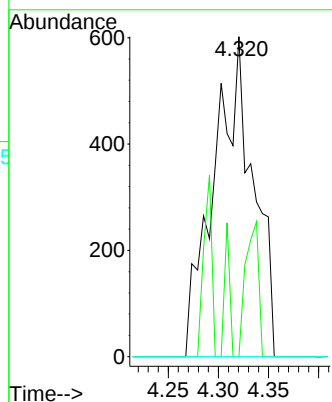


#10
Methyl Iodide
Concen: 7.86 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.012 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Instrument :
MSVOA_D
ClientSampled :

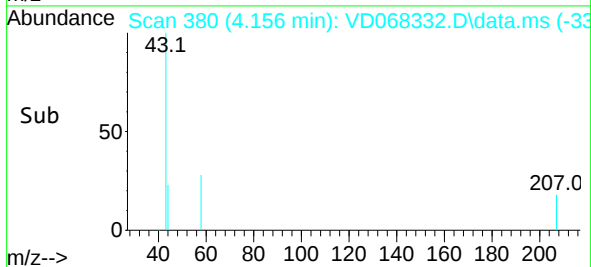
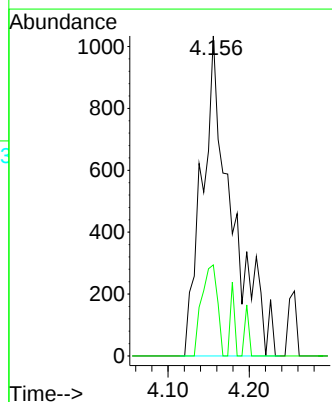
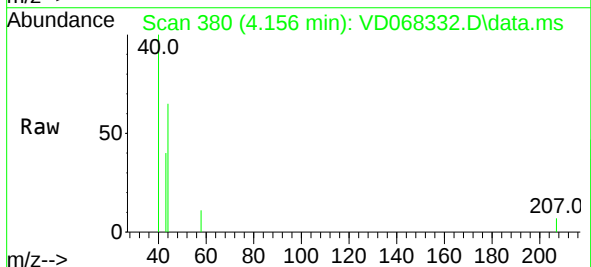


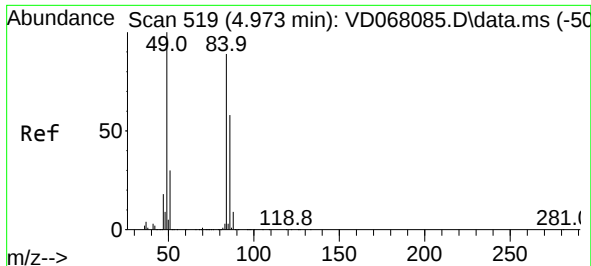
Tgt Ion:142 Resp: 1641
Ion Ratio Lower Upper
142 100
127 5.4 37.9 56.9#
141 0.0 11.5 17.3#



#16
Acetone
Concen: 57.47 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

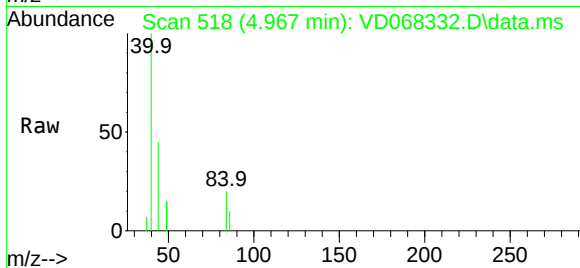
Tgt Ion: 43 Resp: 2625
Ion Ratio Lower Upper
43 100
58 28.4 24.2 36.4



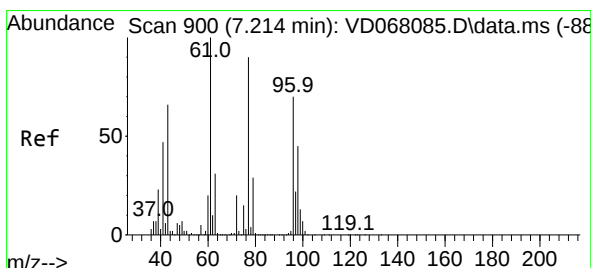
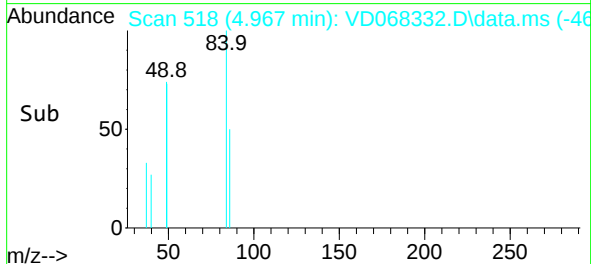
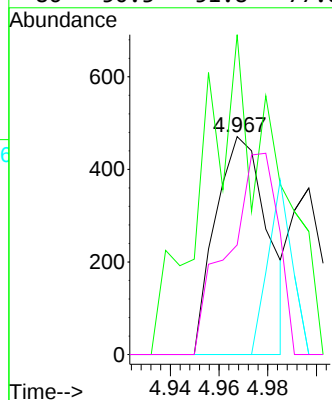


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Instrument :
MSVOA_D
ClientSampleId :

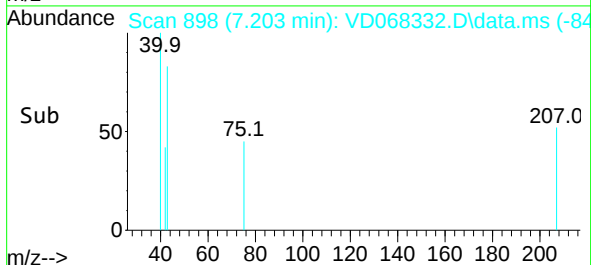
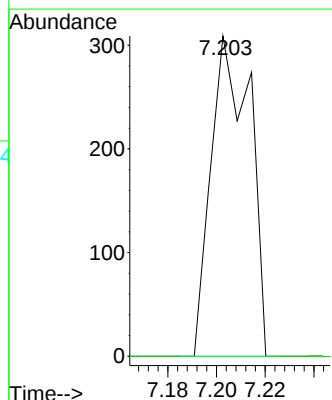
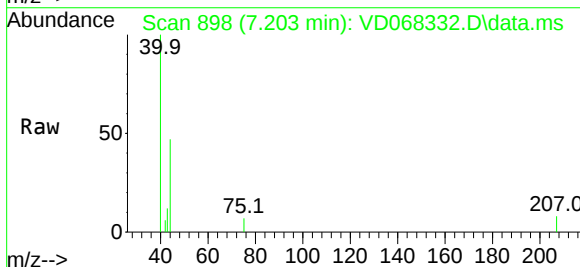


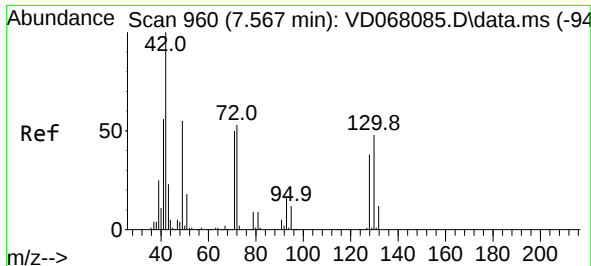
Tgt Ion: 84 Resp: 700
Ion Ratio Lower Upper
84 100
49 105.9 77.4 116.2
51 0.0 26.1 39.1#
86 50.3 51.8 77.8#



#25
2-Butanone
Concen: 4.99 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.011 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 43 Resp: 343
Ion Ratio Lower Upper
43 100
72 0.0 25.1 37.7#





#29

Tetrahydrofuran

Concen: 4.40 ug/l

RT: 7.556 min Scan# 958

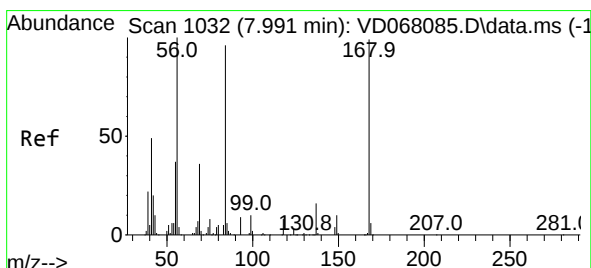
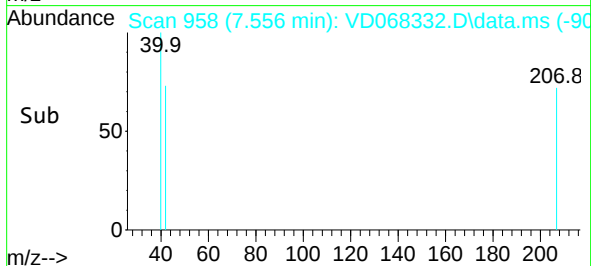
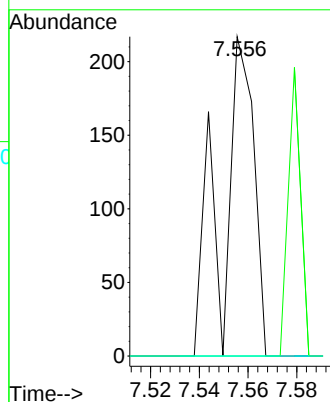
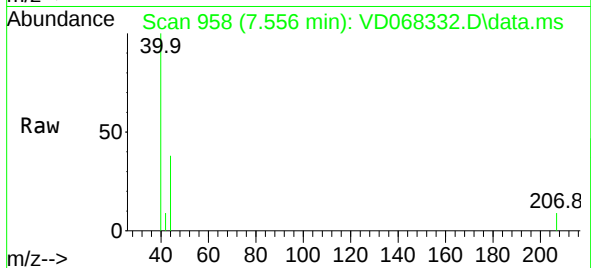
Delta R.T. -0.011 min

Lab File: VD068332.D

Acq: 09 Feb 2021 16:46

Tgt Ion:	42	Resp:	196
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.4	65.0#
71	0.0	40.8	61.2#

Instrument :
MSVOA_D
ClientSampled :



#31

Cyclohexane

Concen: 2.39 ug/l

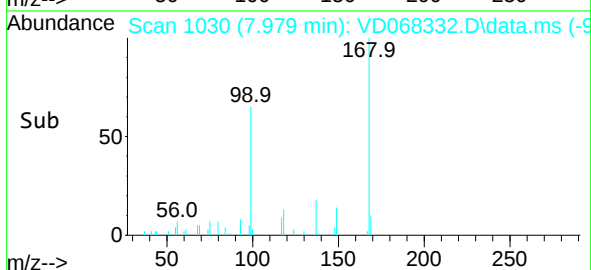
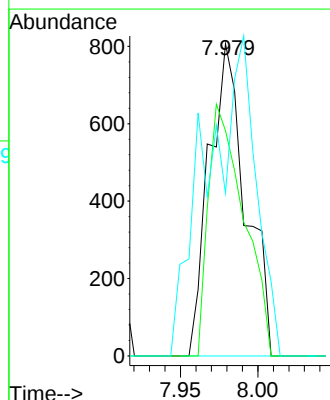
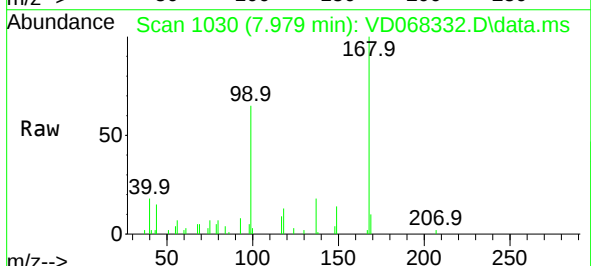
RT: 7.979 min Scan# 1030

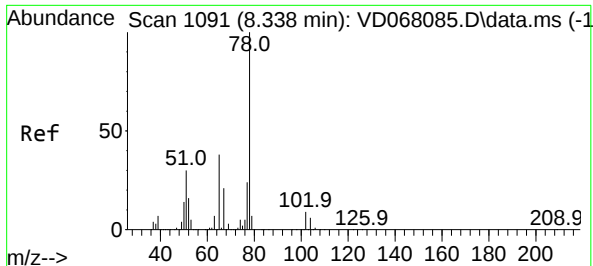
Delta R.T. -0.011 min

Lab File: VD068332.D

Acq: 09 Feb 2021 16:46

Tgt Ion:	56	Resp:	1322
Ion	Ratio	Lower	Upper
56	100		
69	72.1	30.1	45.1#
84	52.2	82.1	123.1#

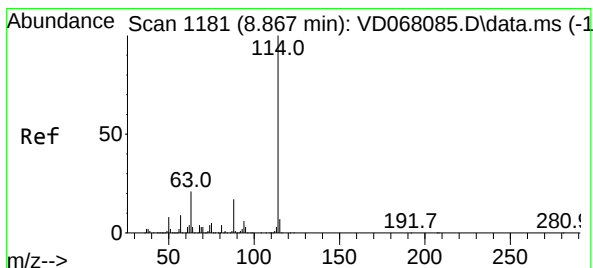
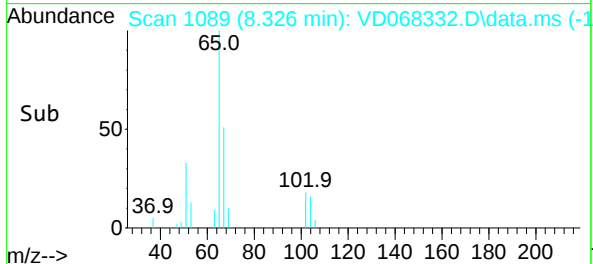
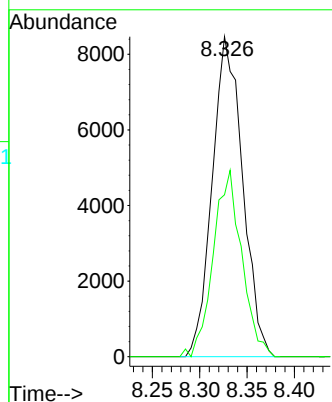
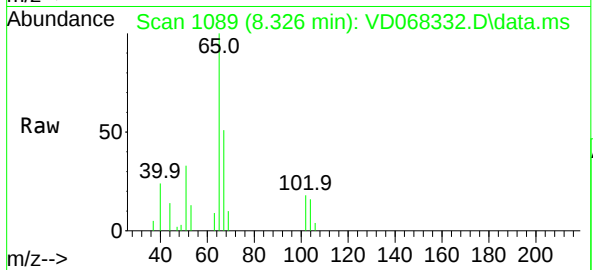




#33
 1,2-Dichloroethane-d4
 Concen: 73.82 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.011 min
 Lab File: VD068332.D
 Acq: 09 Feb 2021 16:46

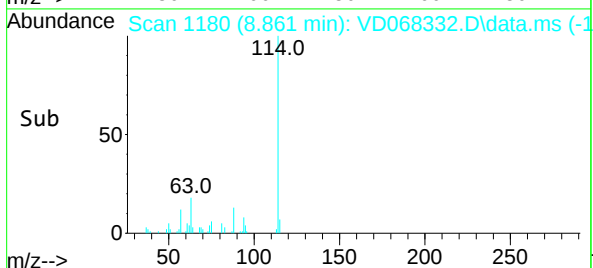
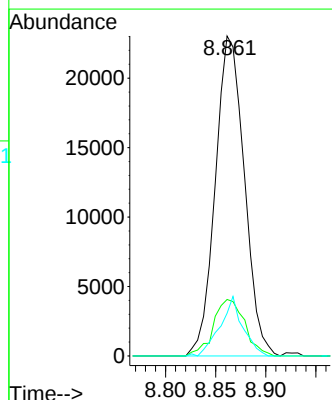
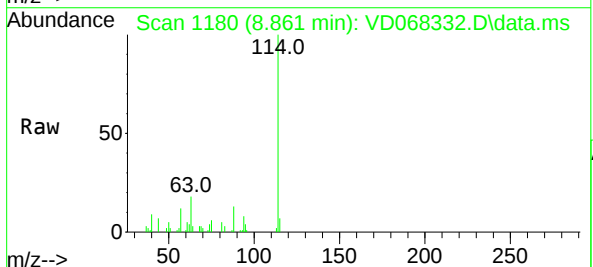
Instrument :
 MSVOA_D
 ClientSampled :

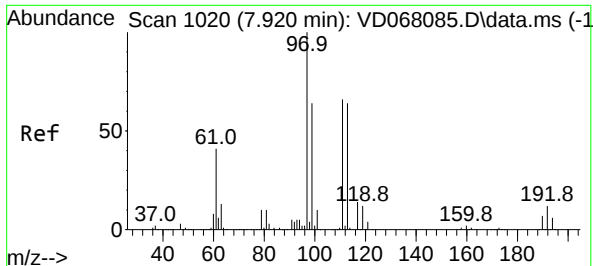
Tgt Ion: 65 Resp: 18885
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD068332.D
 Acq: 09 Feb 2021 16:46

Tgt Ion: 114 Resp: 46312
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 34.8
 88 13.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.74 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD068332.D

Acq: 09 Feb 2021 16:46

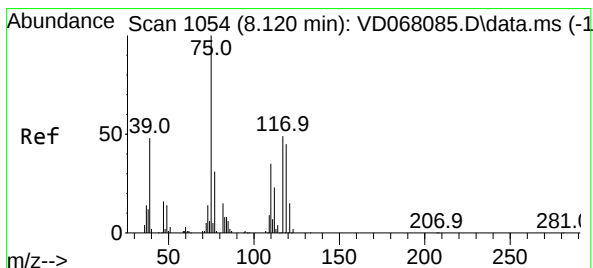
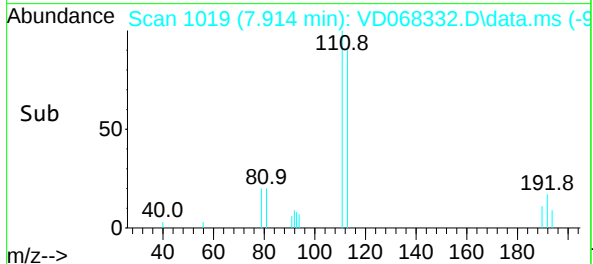
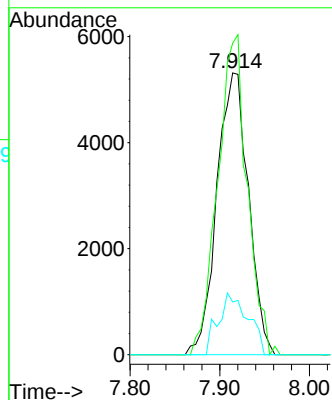
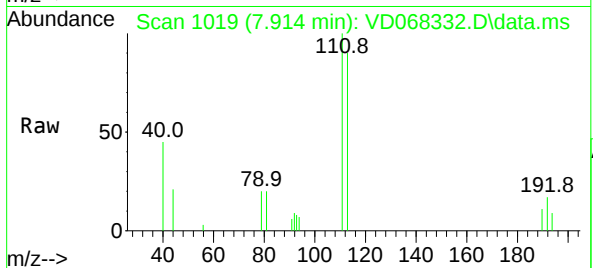
Tgt Ion:113 Resp: 12991

Ion Ratio Lower Upper

113 100

111 106.3 81.4 122.0

192 20.5 16.1 24.1



#36

1,1-Dichloropropene

Concen: 1.09 ug/l

RT: 8.108 min Scan# 1052

Delta R.T. -0.011 min

Lab File: VD068332.D

Acq: 09 Feb 2021 16:46

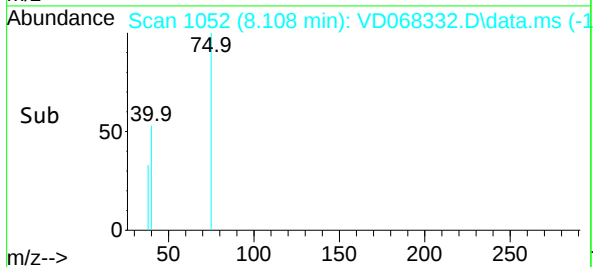
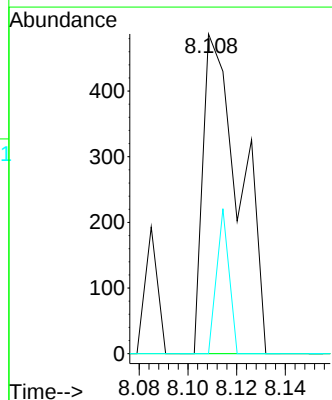
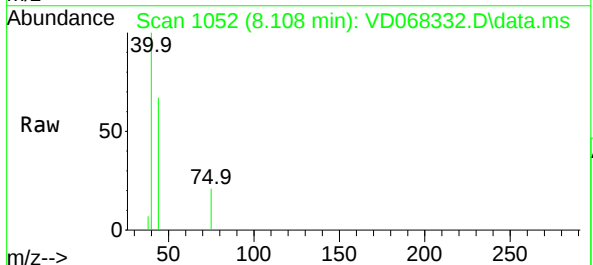
Tgt Ion: 75 Resp: 510

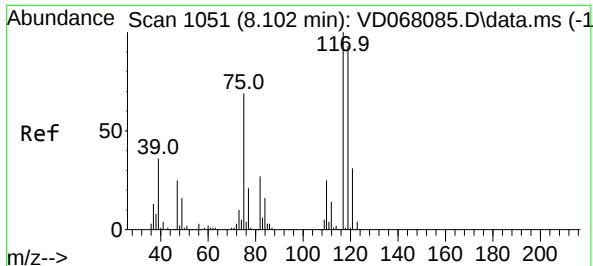
Ion Ratio Lower Upper

75 100

110 0.0 19.4 58.2#

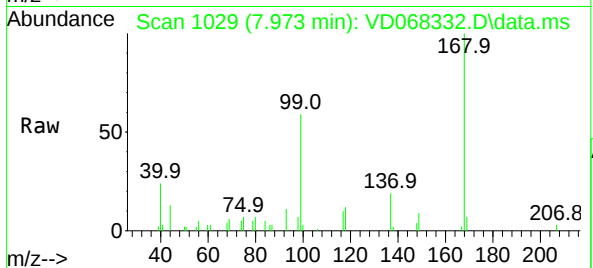
77 15.3 25.3 37.9#



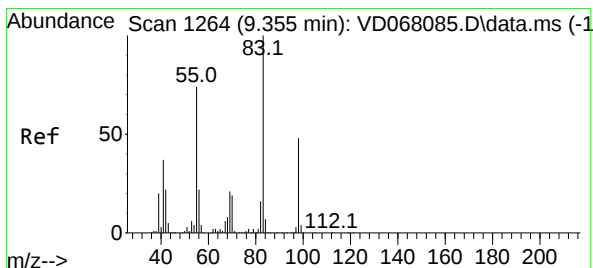
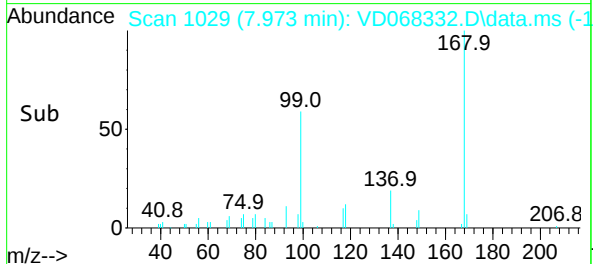
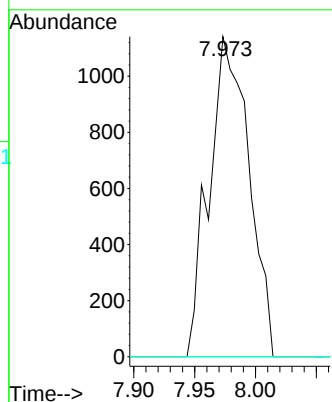


#38
Carbon Tetrachloride
Concen: 5.94 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Instrument :
MSVOA_D
ClientSampleId :

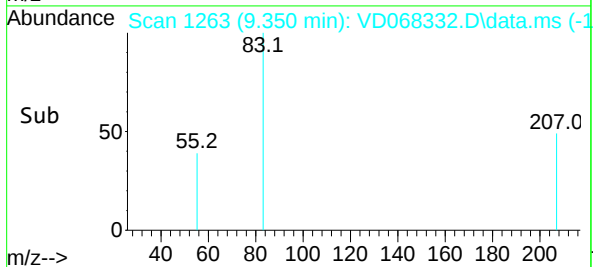
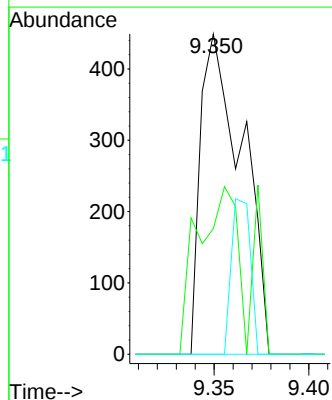
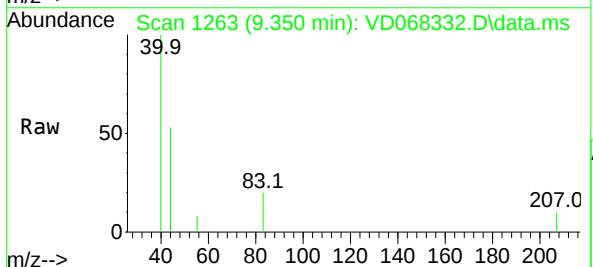


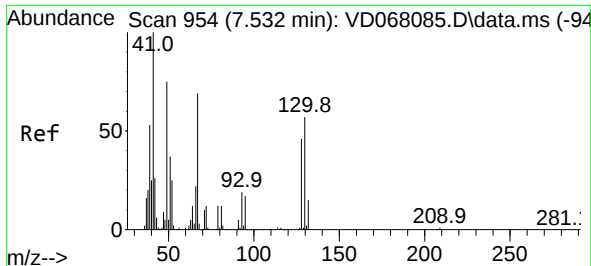
Tgt Ion:117 Resp: 2596
Ion Ratio Lower Upper
117 100
119 0.0 77.3 115.9#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 1.13 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 83 Resp: 688
Ion Ratio Lower Upper
83 100
55 39.2 55.2 82.8#
98 0.0 39.1 58.7#

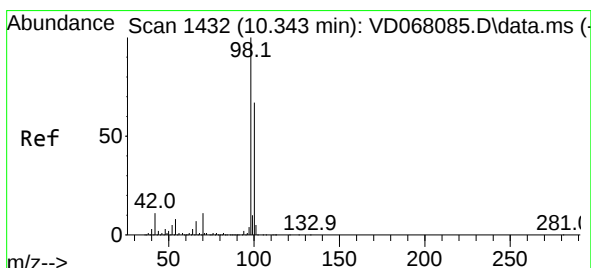
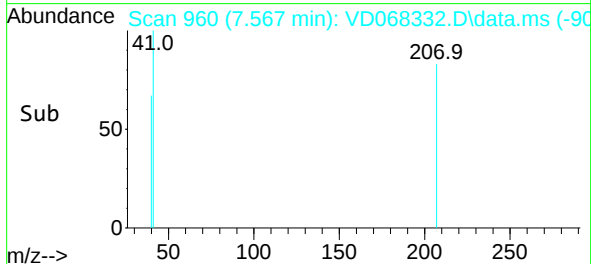
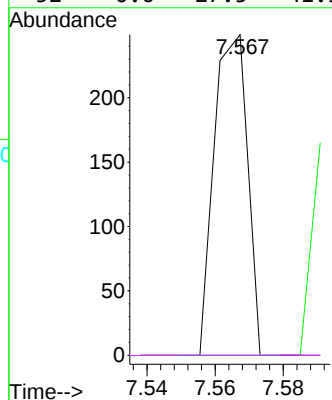
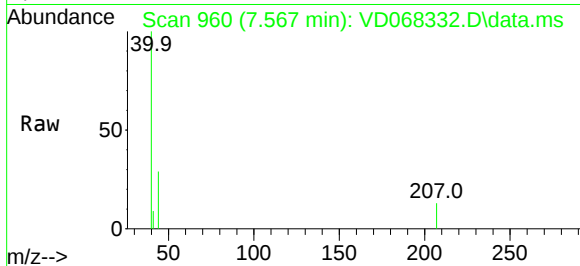




#41
Methacrylonitrile
Concen: 1.70 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.035 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

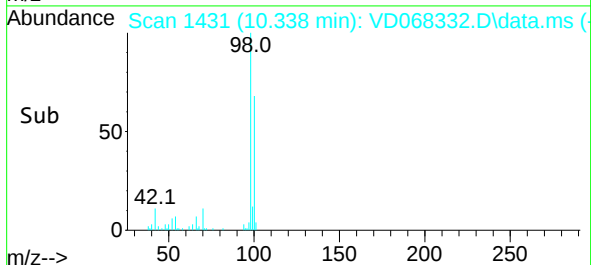
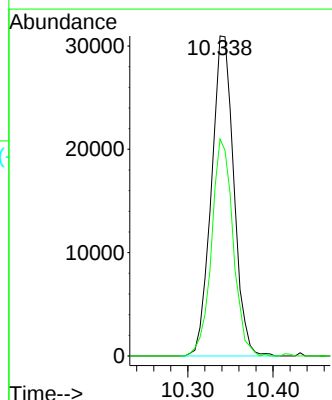
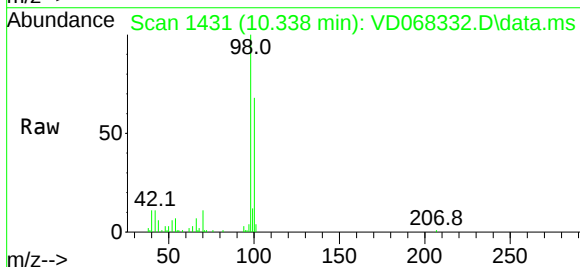
Instrument :
MSVOA_D
ClientSampled :

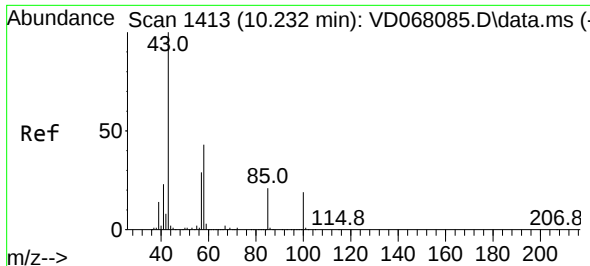
Tgt Ion: 41 Resp: 169
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 67.4 101.2#
52 0.0 27.5 41.3#



#50
Toluene-d8
Concen: 55.12 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 98 Resp: 56452
Ion Ratio Lower Upper
98 100
100 65.1 53.0 79.4

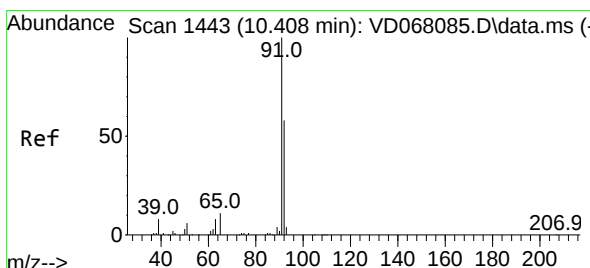
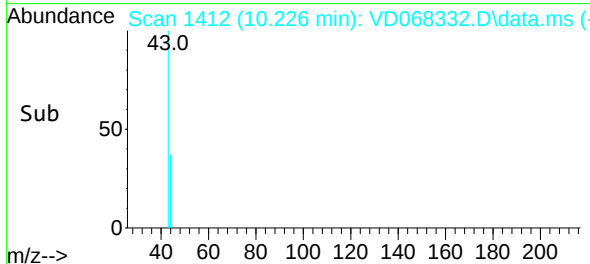
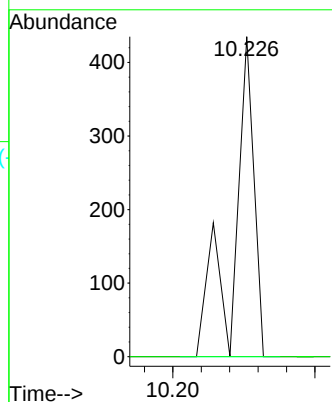
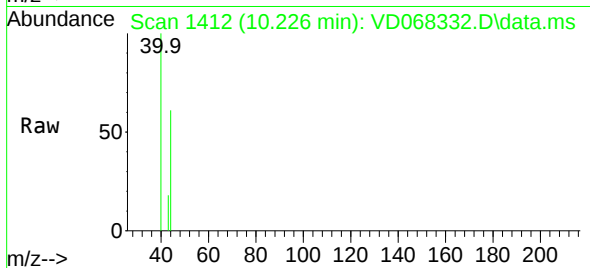




#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

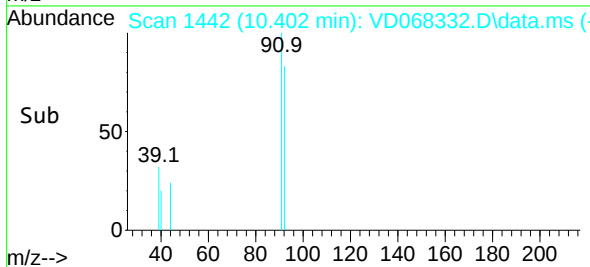
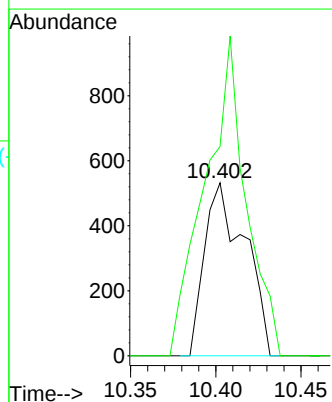
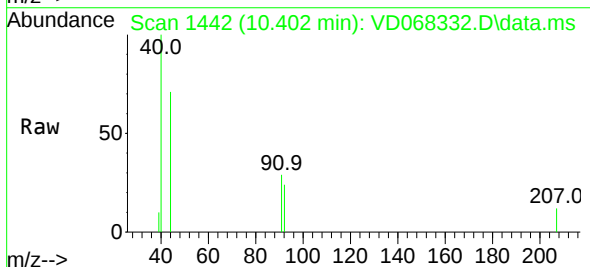
Instrument :
MSVOA_D
ClientSampled :

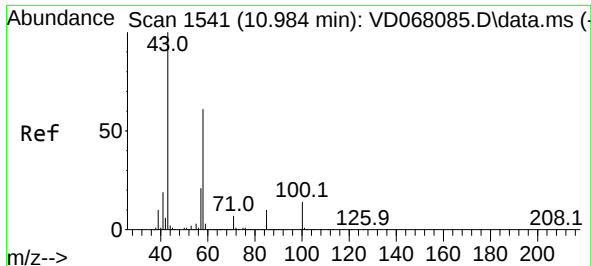
Tgt Ion: 43 Resp: 218
Ion Ratio Lower Upper
43 100
58 0.0 36.1 54.1#



#52
Toluene
Concen: 1.03 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 92 Resp: 877
Ion Ratio Lower Upper
92 100
91 186.7 134.1 201.1

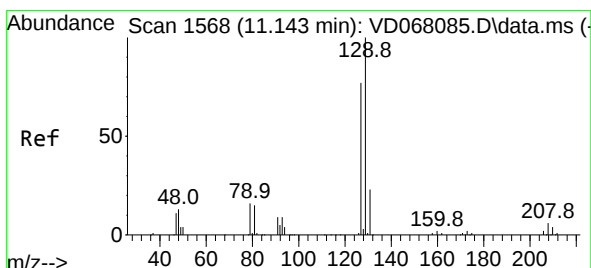
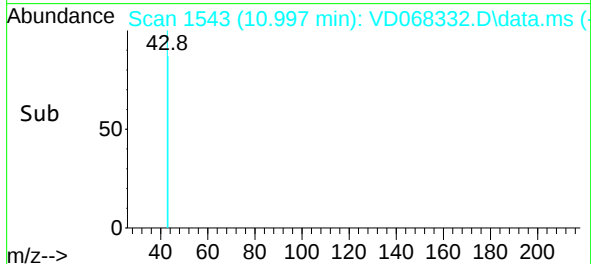
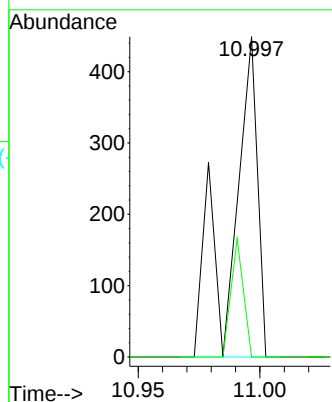
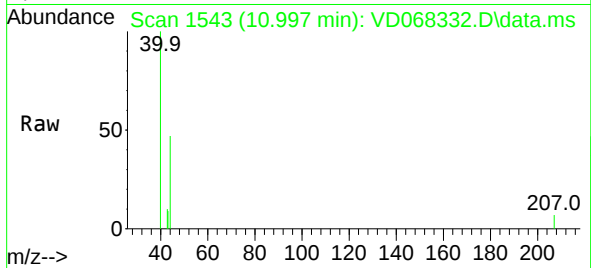




#59
2-Hexanone
Concen: 2.98 ug/l
RT: 10.997 min Scan# 1543
Delta R.T. 0.012 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

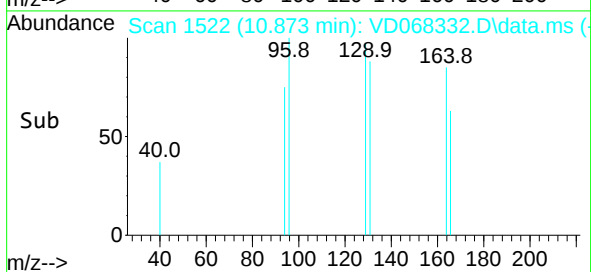
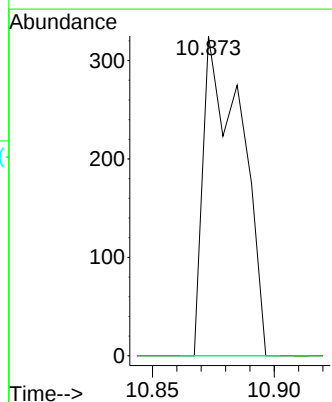
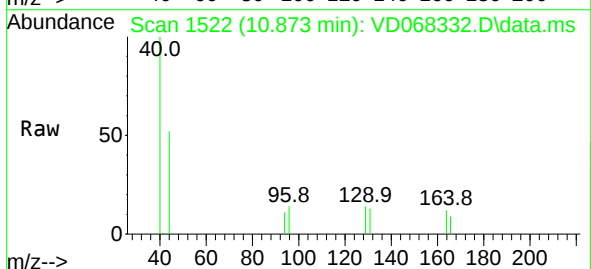
Instrument :
MSVOA_D
ClientSampled :

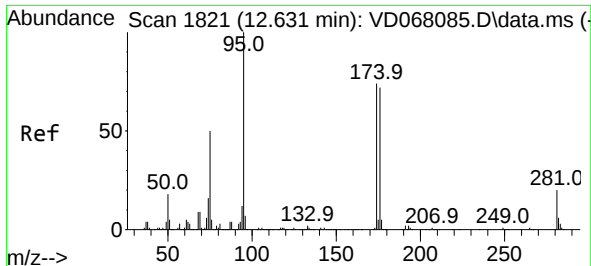
Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 17.8 31.0 93.0#



#60
Dibromochloromethane
Concen: 1.22 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.270 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 129 Resp: 352
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

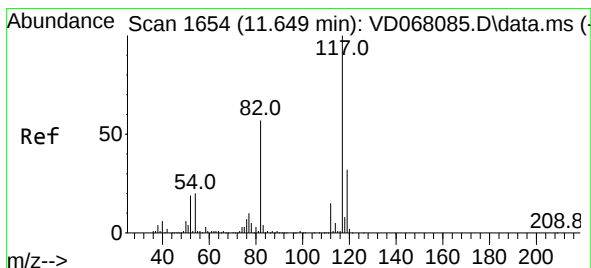
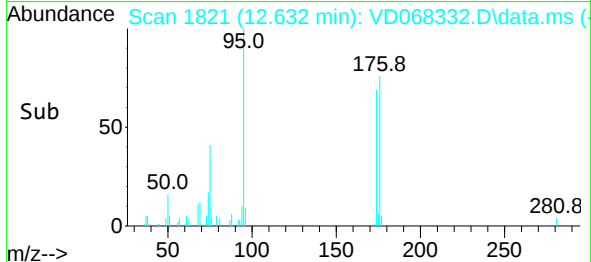
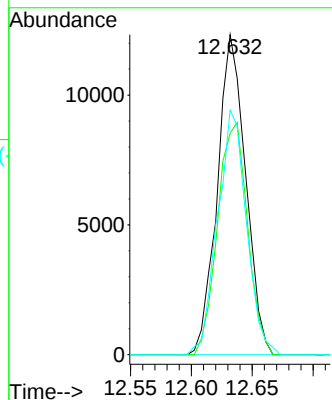
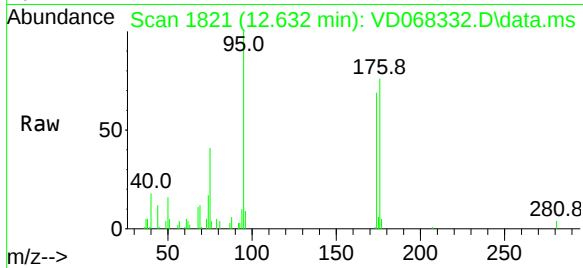




#62
4-Bromofluorobenzene
Concen: 53.98 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

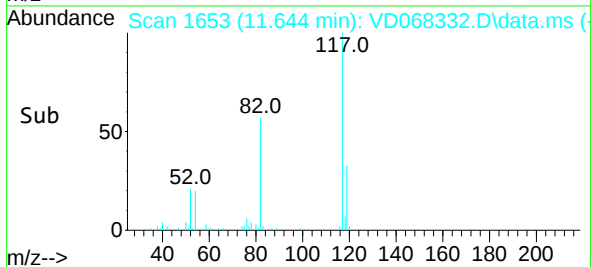
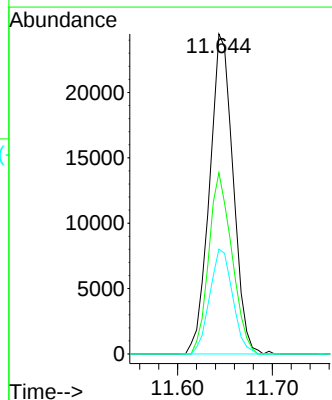
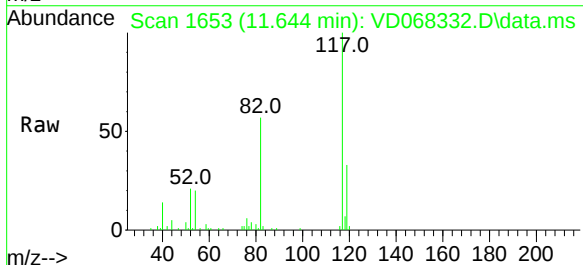
Instrument :
MSVOA_D
ClientSampled :

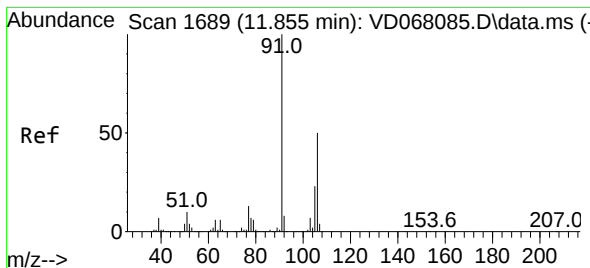
Tgt Ion: 95 Resp: 19910
Ion Ratio Lower Upper
95 100
174 77.1 0.0 172.4
176 78.2 0.0 168.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.005 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 117 Resp: 42304
Ion Ratio Lower Upper
117 100
82 56.6 41.4 62.0
119 32.8 26.1 39.1

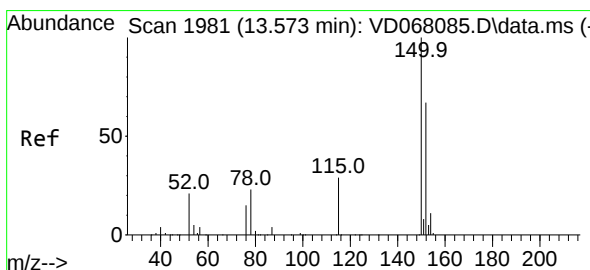
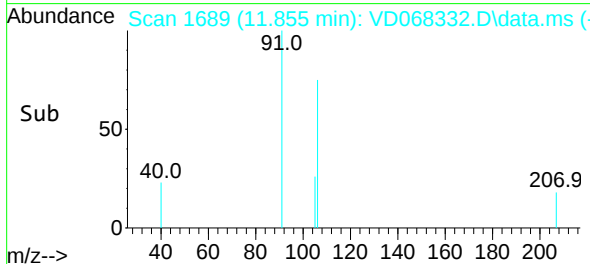
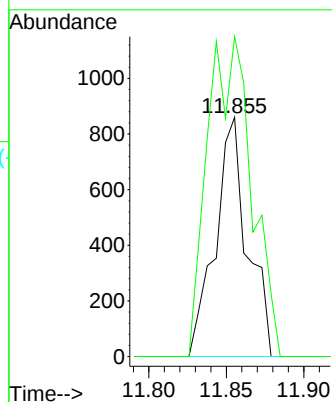
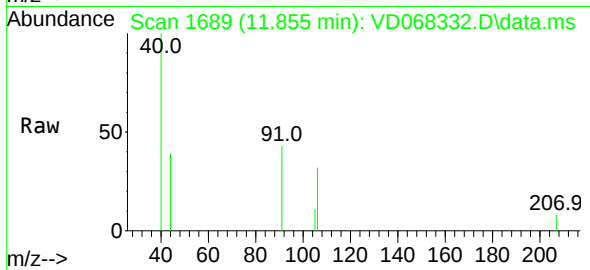




#68
m/p-Xylenes
Concen: 1.96 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

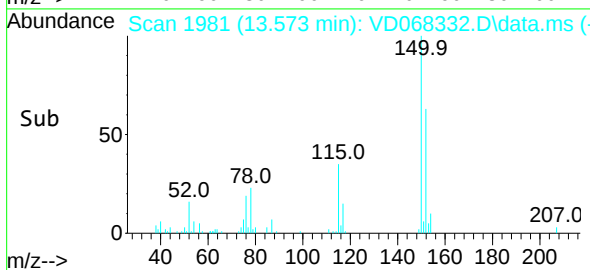
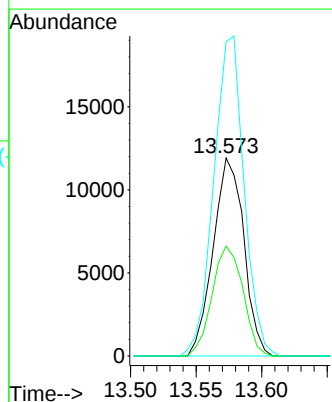
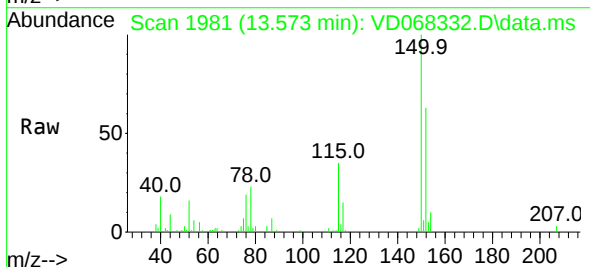
Instrument :
MSVOA_D
ClientSampled :

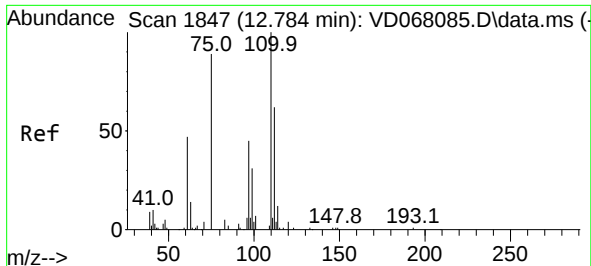
Tgt Ion:106 Resp: 1232
Ion Ratio Lower Upper
106 100
91 185.3 159.1 238.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion:152 Resp: 19343
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.8
150 159.8 0.0 344.4

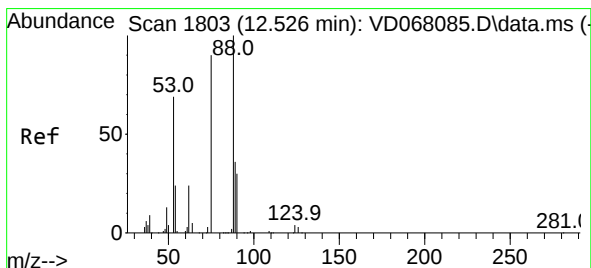
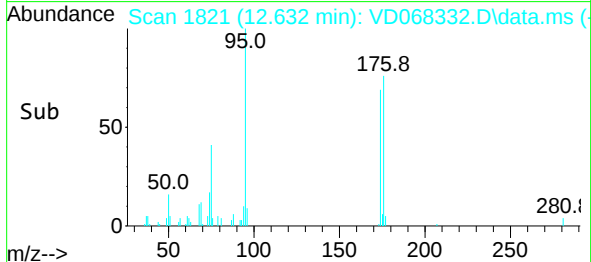
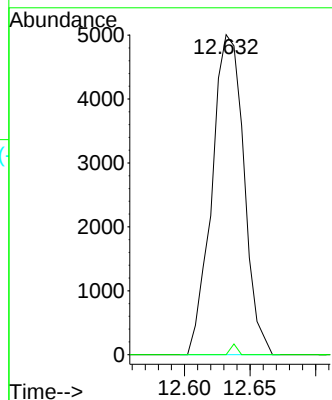
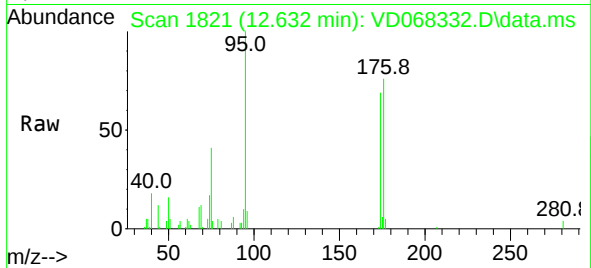




#76
1,2,3-Trichloropropane
Concen: 45.38 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

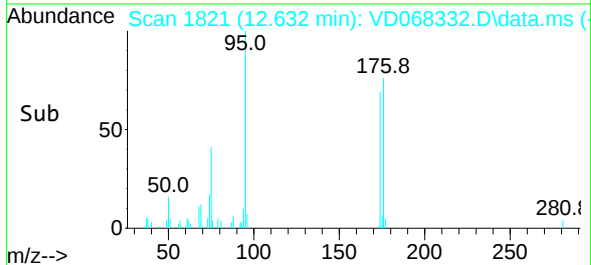
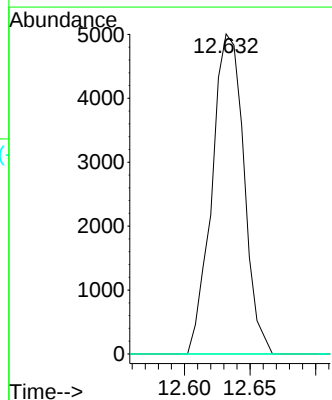
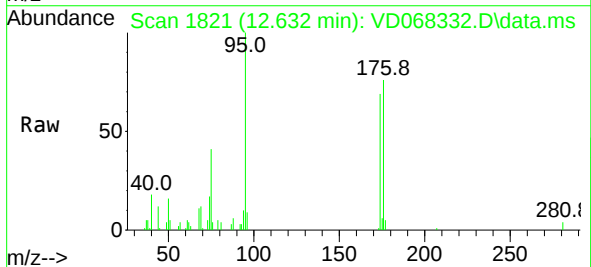
Instrument :
MSVOA_D
ClientSampled :

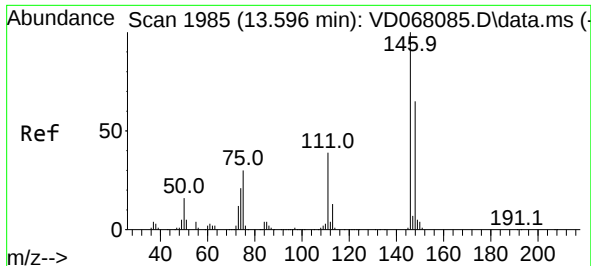
Tgt Ion: 75 Resp: 8487
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.83 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

Tgt Ion: 75 Resp: 8487
Ion Ratio Lower Upper
75 100
53 0.0 70.2 105.2#
89 0.0 40.3 60.5#

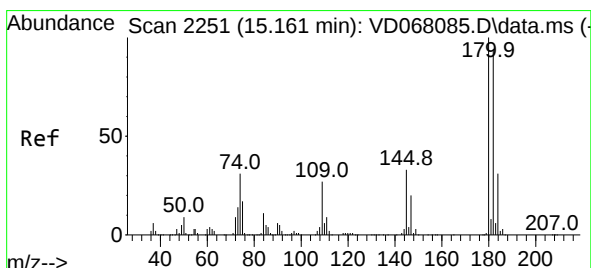
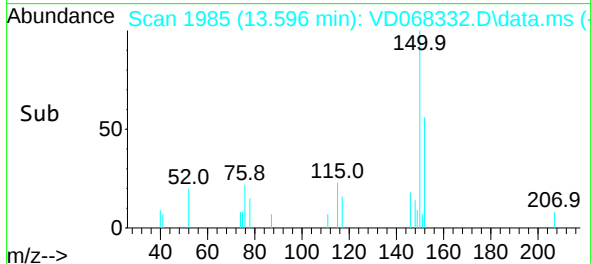
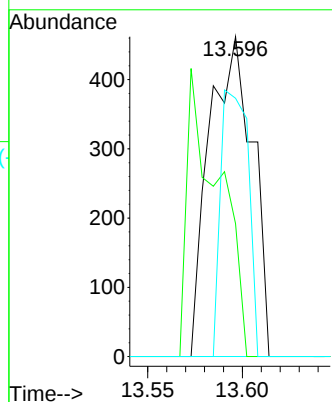
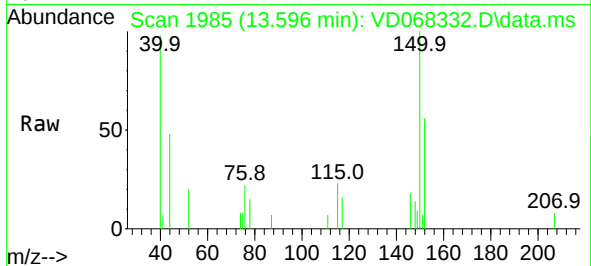




#88
1,4-Dichlorobenzene
Concen: 1.12 ug/l
RT: 13.596 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

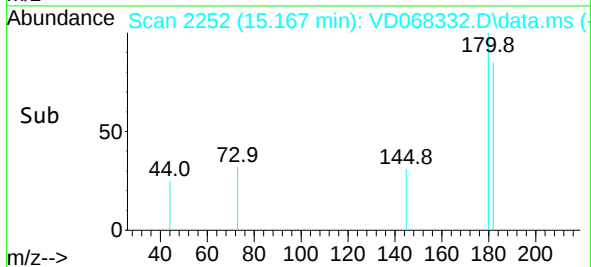
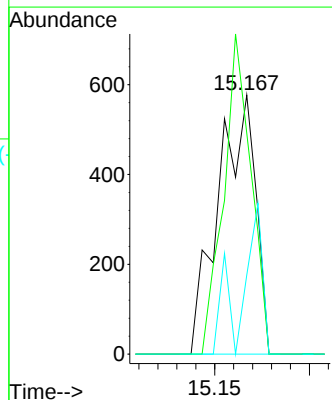
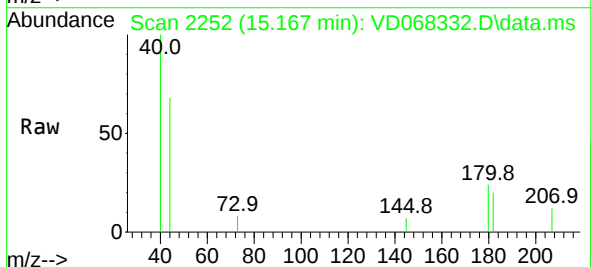
Instrument :
MSVOA_D
ClientSampled :

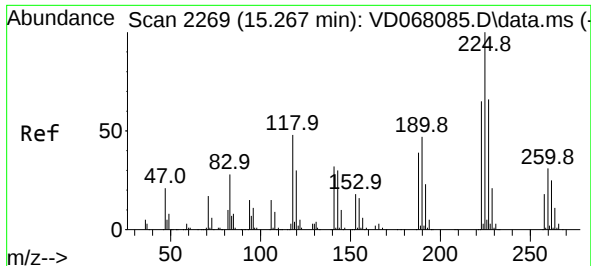
Tgt Ion:146 Resp: 733
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 53.1 31.9 95.7



#93
1,2,4-Trichlorobenzene
Concen: 2.04 ug/l
RT: 15.167 min Scan# 2252
Delta R.T. 0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

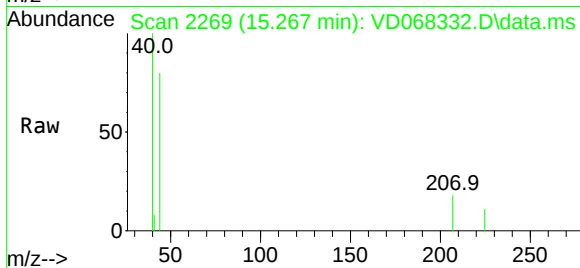
Tgt Ion:180 Resp: 794
Ion Ratio Lower Upper
180 100
182 89.7 46.8 140.4
145 32.7 15.2 45.5



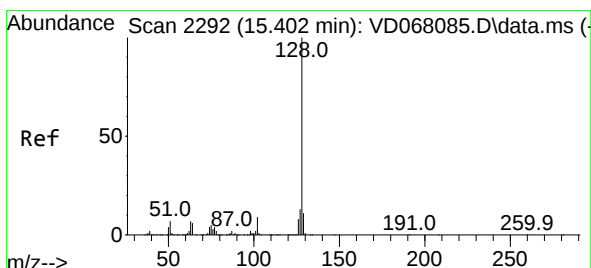
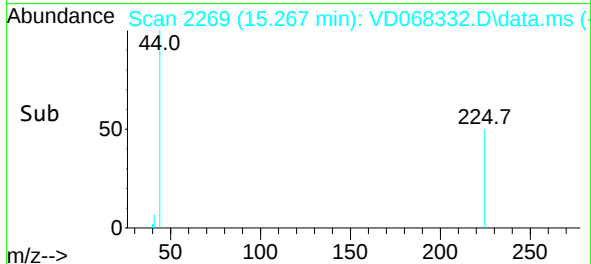
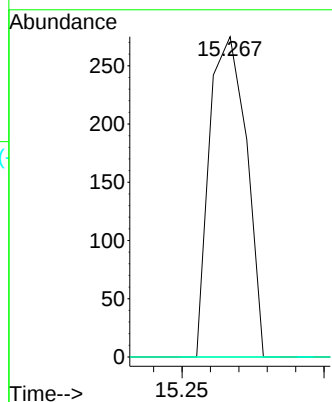


#94
Hexachlorobutadiene
Concen: 1.15 ug/l
RT: 15.267 min Scan# 2269
Delta R.T. 0.000 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46

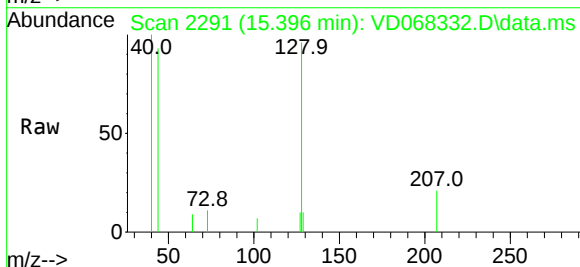
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:225 Resp: 249
Ion Ratio Lower Upper
225 100
223 0.0 31.9 95.5#
227 0.0 32.1 96.5#



#95
Naphthalene
Concen: 4.78 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.006 min
Lab File: VD068332.D
Acq: 09 Feb 2021 16:46



Tgt Ion:128 Resp: 3495
Ion Ratio Lower Upper
128 100
127 14.7 10.2 15.2
129 5.5 8.8 13.2#

