

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069113.D
 Acq On : 07 May 2021 20:18
 Operator : VA/SY
 Sample : M2295-01
 Misc : 3.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-A-B-C

Quant Time: May 08 00:10:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

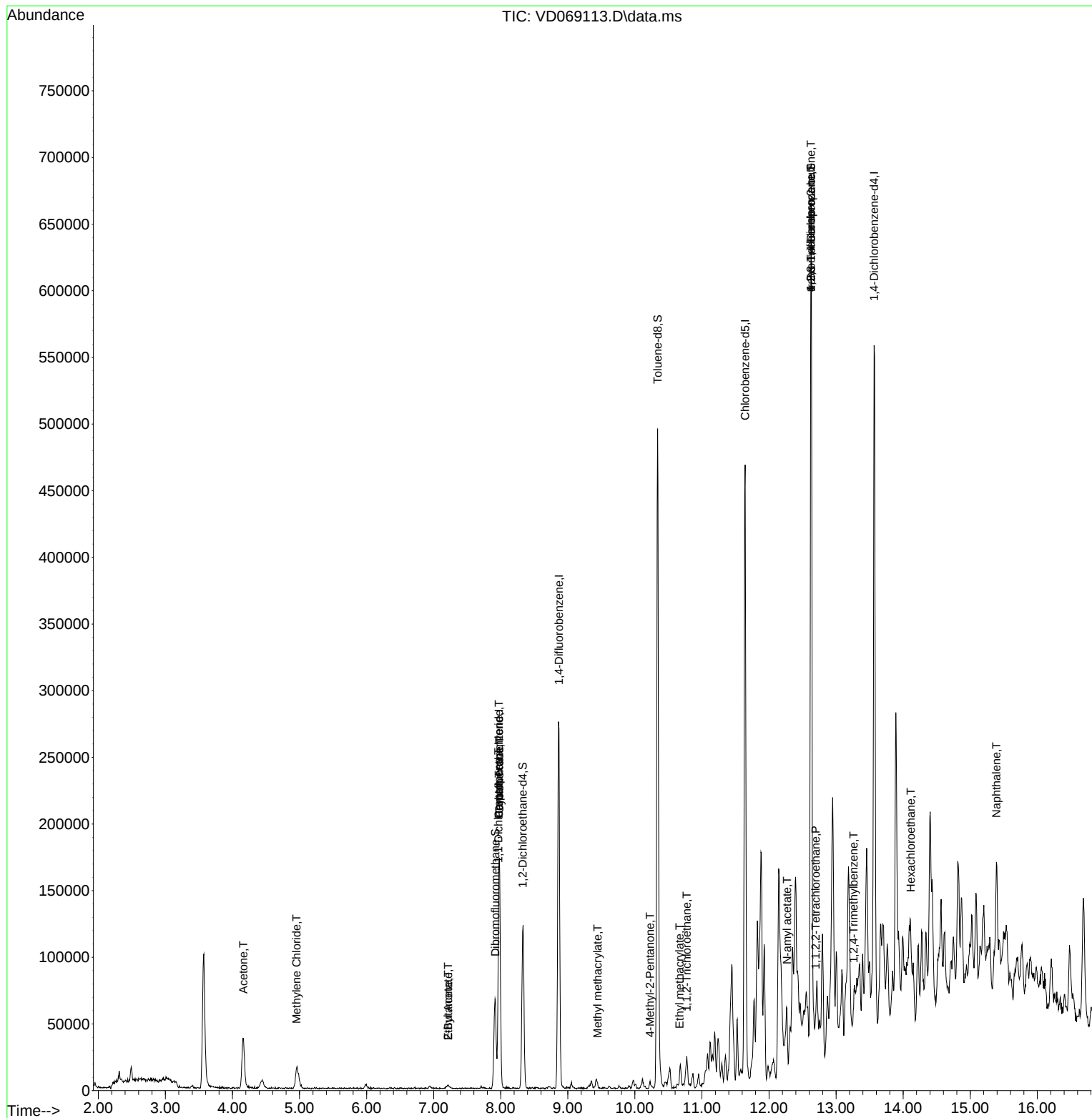
Internal Standards						
1) Pentafluorobenzene	7.973	168	126277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	240208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	275142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	143939	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	95004	58.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	116.76%		
35) Dibromofluoromethane	7.920	113	48400	29.38	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	58.76%		
50) Toluene-d8	10.338	98	328261	53.98	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	107.96%		
62) 4-Bromofluorobenzene	12.626	95	131066	65.52	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	131.04%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	299	Below Cal	#	81
16) Acetone	4.162	43	64045	283.57	ug/l	96
20) Methylene Chloride	4.956	84	13927	2.26	ug/l	88
25) 2-Butanone	7.214	43	2505	7.20	ug/l	92
31) Cyclohexane	7.979	56	2992	1.27	ug/l #	16
36) 1,1-Dichloropropene	7.967	75	10850	4.29	ug/l #	53
37) Ethyl Acetate	7.214	43	2505	2.63	ug/l #	69
38) Carbon Tetrachloride	7.973	117	12993	4.74	ug/l #	17
48) Methyl methacrylate	9.444	41	906	1.03	ug/l #	4
51) 4-Methyl-2-Pentanone	10.226	43	2234	2.44	ug/l #	81
55) 1,1,2-Trichloroethane	10.773	97	7799	5.93	ug/l #	22
56) Ethyl methacrylate	10.667	69	1845	3.48	ug/l #	1
74) N-amyl acetate	12.267	43	11911	5.69	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.697	83	2557	1.31	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	67302	53.71	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	67302	116.87	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.261	105	8871	1.05	ug/l	91
90) Hexachloroethane	14.114	117	2099	1.11	ug/l #	17
95) Naphthalene	15.390	128	90096	20.17	ug/l #	95

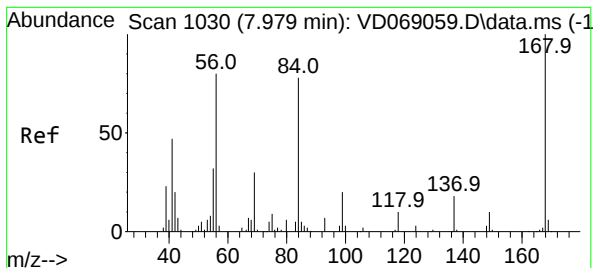
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069113.D
Acq On : 07 May 2021 20:18
Operator : VA/SY
Sample : M2295-01
Misc : 3.88G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

Quant Time: May 08 00:10:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
Quant Title : SW846 8260
QLast Update : Wed May 05 04:16:41 2021
Response via : Initial Calibration

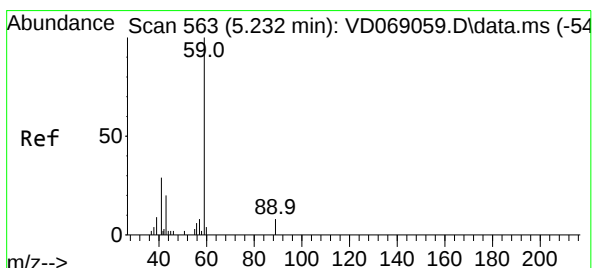
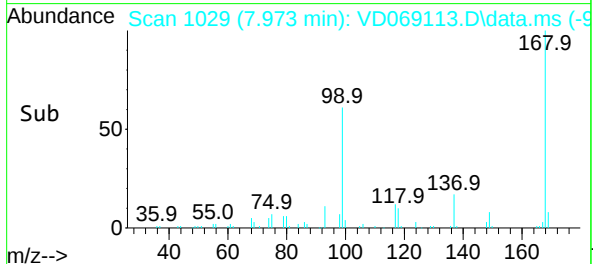
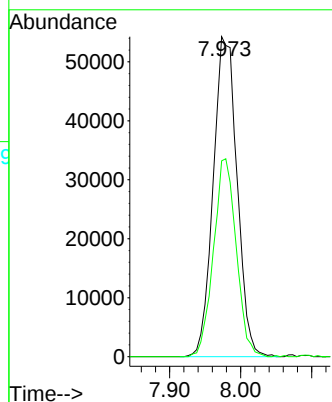
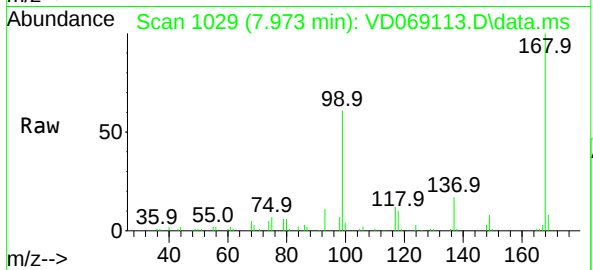




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

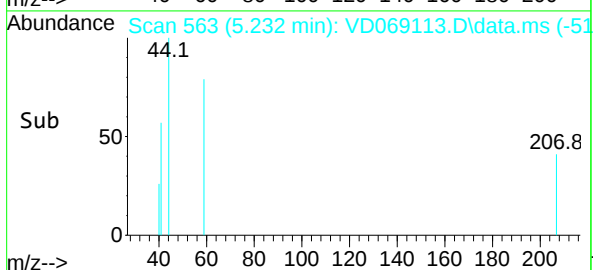
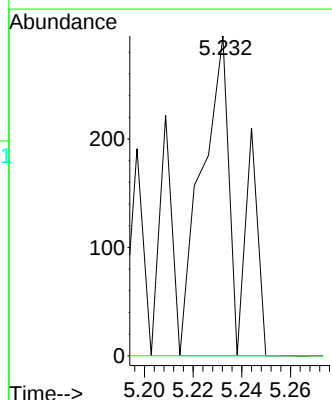
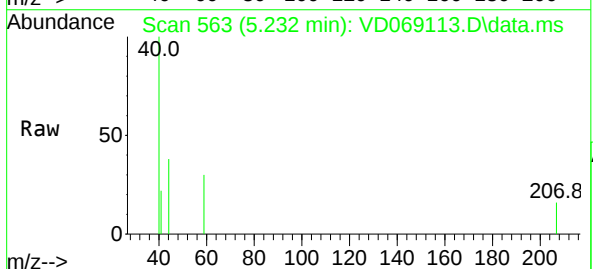
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

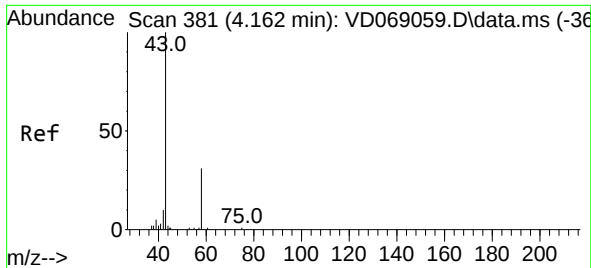
Tgt Ion:168 Resp: 126277
Ion Ratio Lower Upper
168 100
99 61.2 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

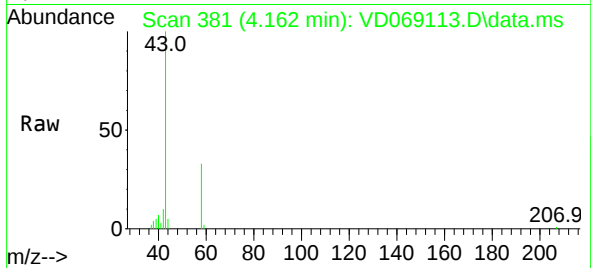
Tgt Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#



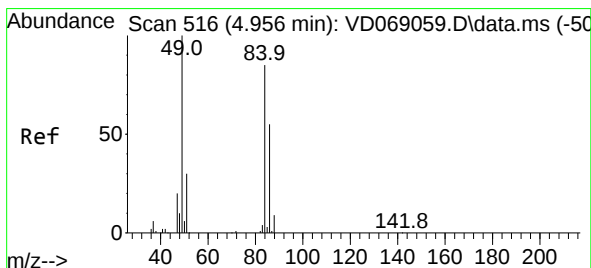
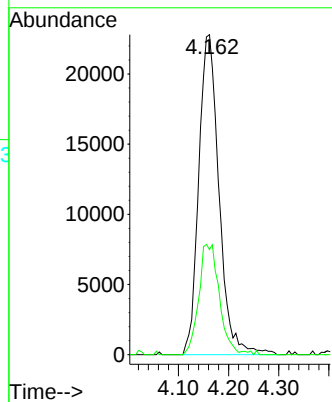
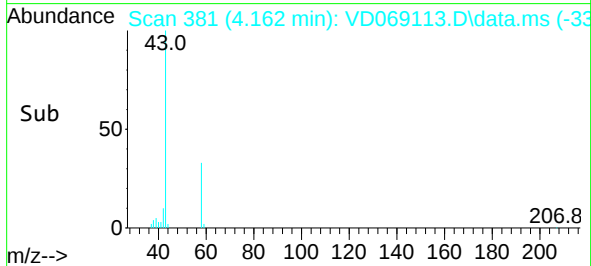


#16
Acetone
Concen: 283.57 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

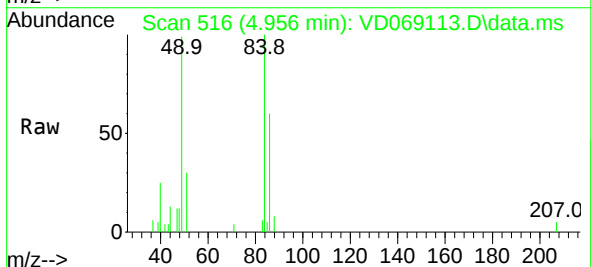
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C



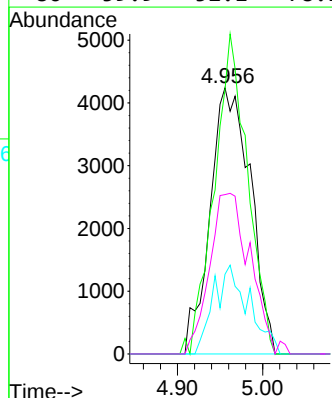
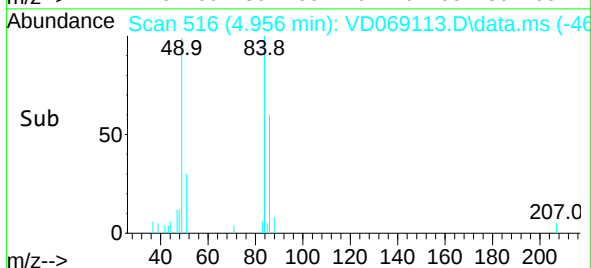
Tgt Ion: 43 Resp: 64045
Ion Ratio Lower Upper
43 100
58 32.9 24.5 36.7

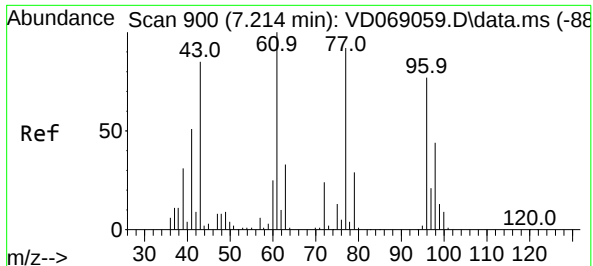


#20
Methylene Chloride
Concen: 2.26 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18



Tgt Ion: 84 Resp: 13927
Ion Ratio Lower Upper
84 100
49 99.3 93.9 140.9
51 30.0 27.9 41.9
86 59.9 52.1 78.1

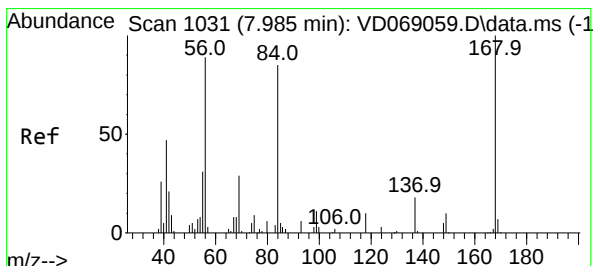
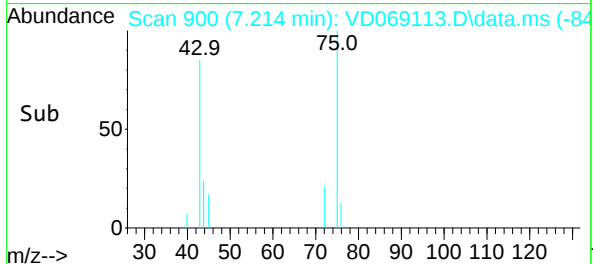
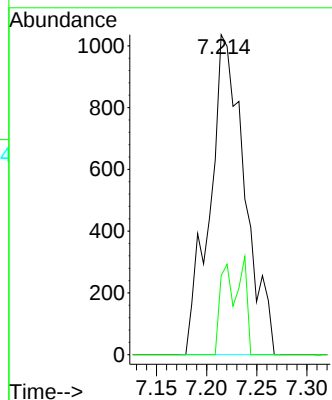
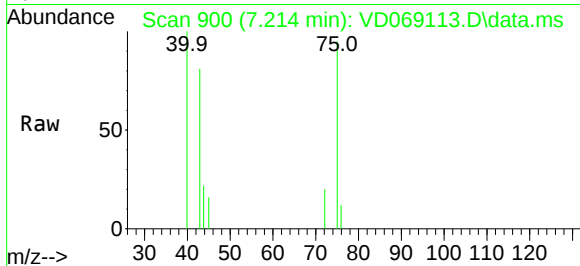




#25
2-Butanone
Concen: 7.20 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

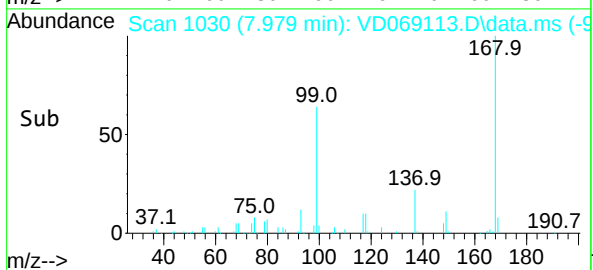
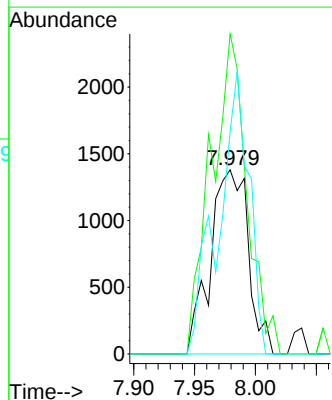
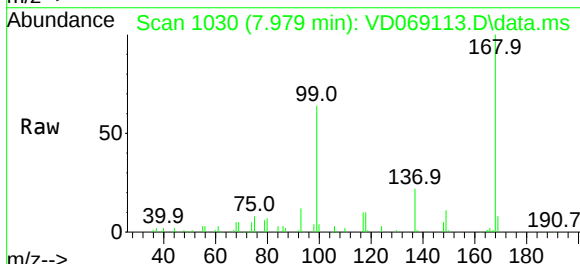
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

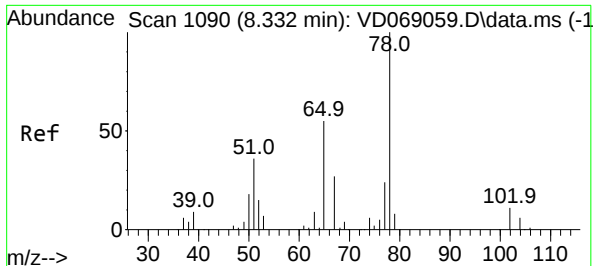
Tgt Ion: 43 Resp: 2505
Ion Ratio Lower Upper
43 100
72 24.7 23.0 34.4



#31
Cyclohexane
Concen: 1.27 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 56 Resp: 2992
Ion Ratio Lower Upper
56 100
69 173.8 26.3 39.5#
84 120.8 75.9 113.9#

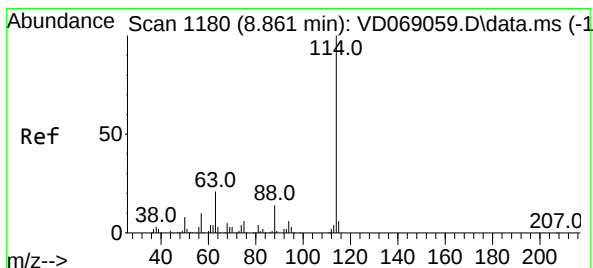
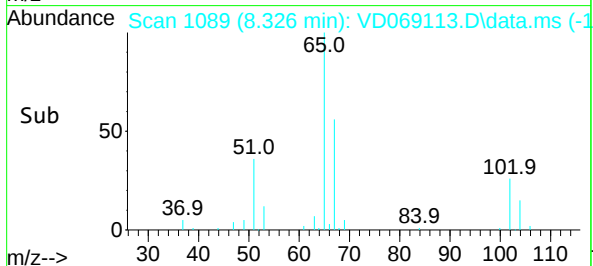
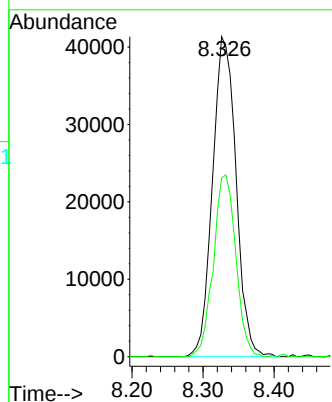
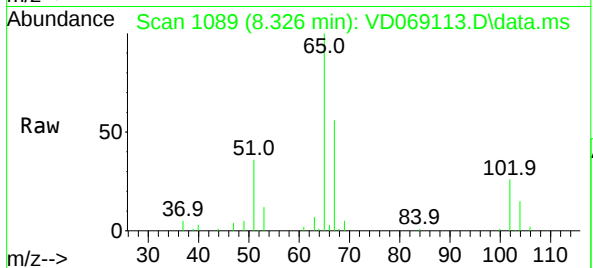




#33
1,2-Dichloroethane-d4
Concen: 58.38 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

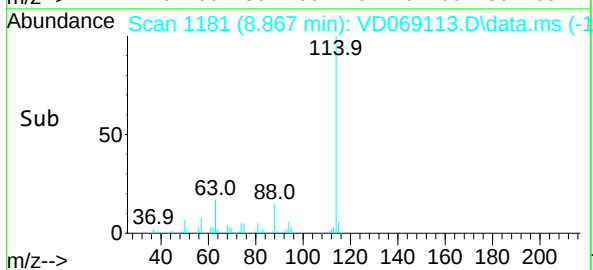
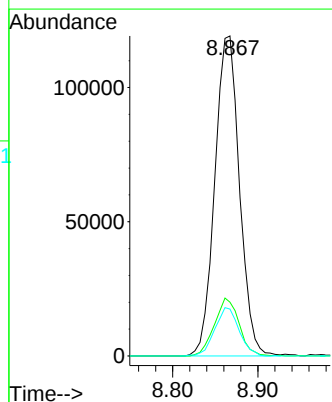
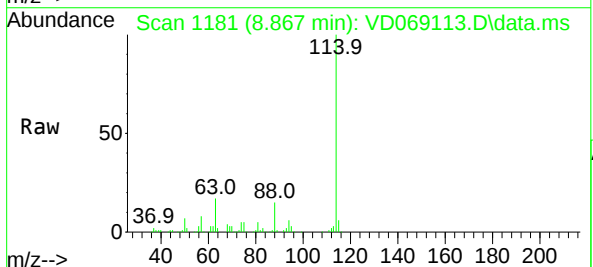
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

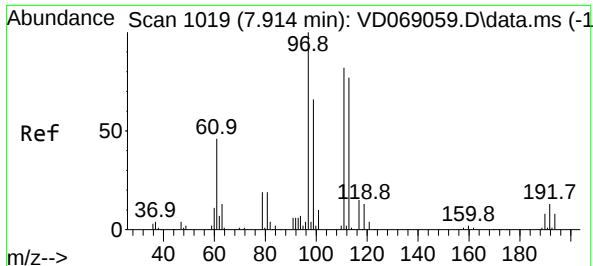
Tgt Ion: 65 Resp: 95004
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 114 Resp: 240208
Ion Ratio Lower Upper
114 100
63 16.8 0.0 41.4
88 14.6 0.0 27.8

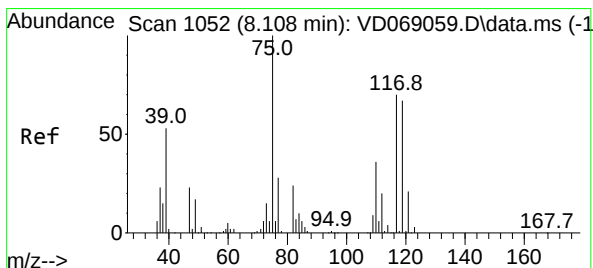
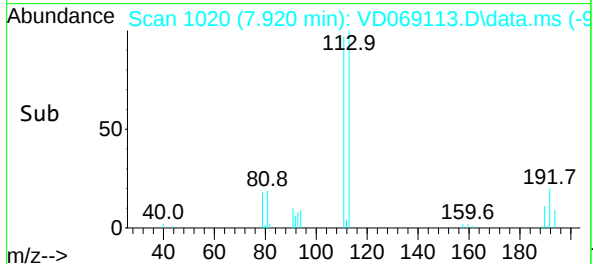
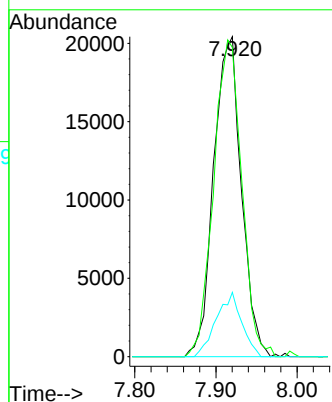
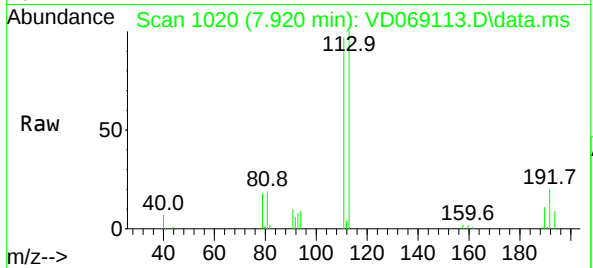




#35
Dibromofluoromethane
Concen: 29.38 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

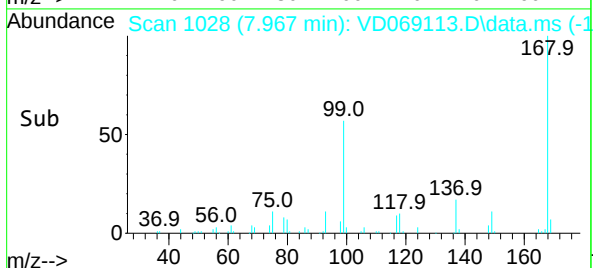
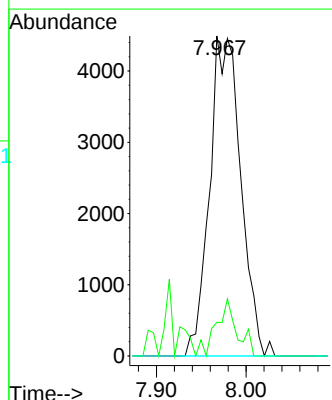
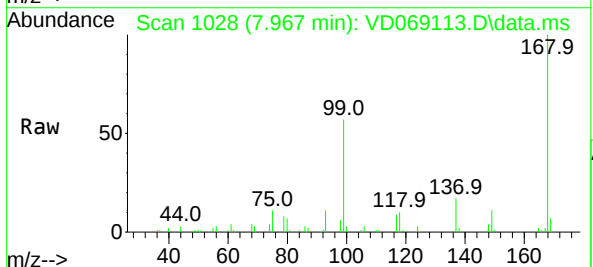
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

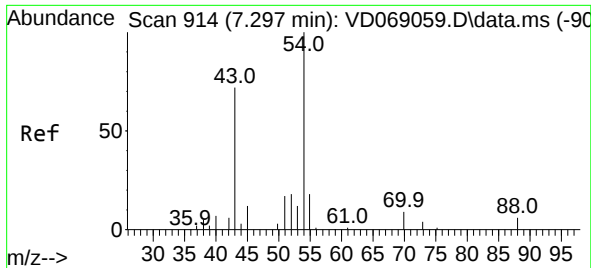
Tgt Ion:113 Resp: 48400
Ion Ratio Lower Upper
113 100
111 100.7 84.6 126.8
192 18.5 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.29 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 75 Resp: 10850
Ion Ratio Lower Upper
75 100
110 11.9 17.3 51.7#
77 0.0 23.9 35.9#

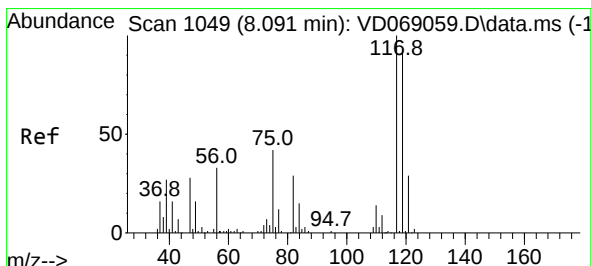
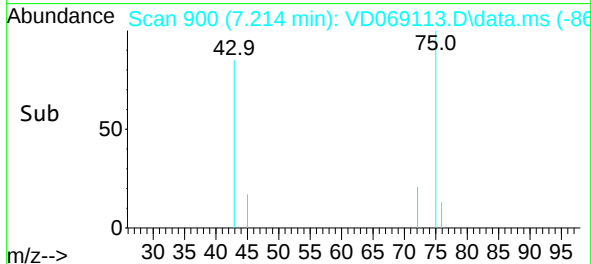
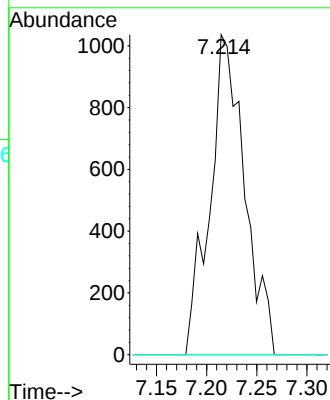
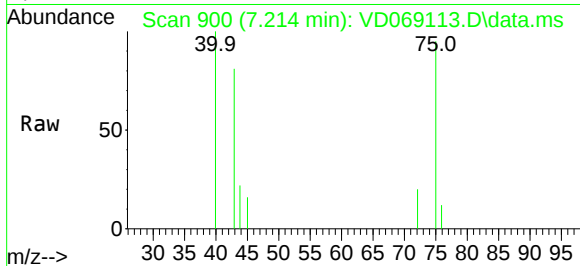




#37
Ethyl Acetate
Concen: 2.63 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.082 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

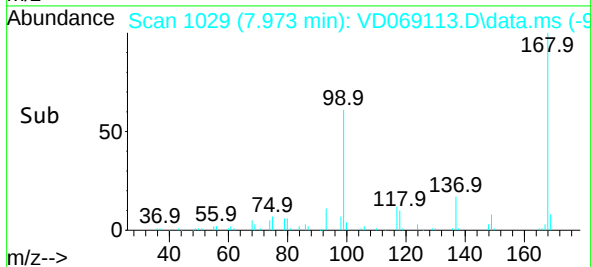
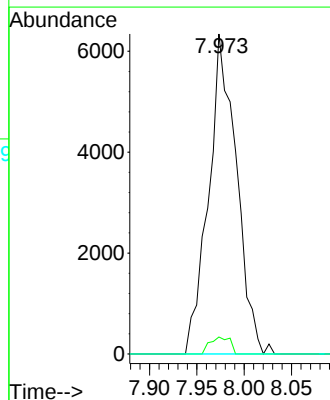
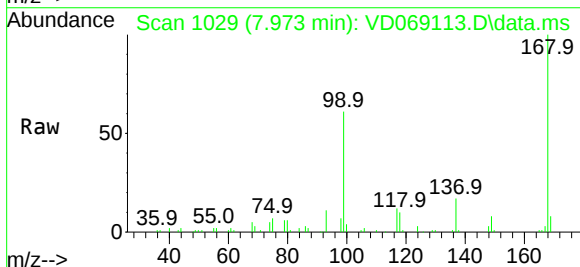
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

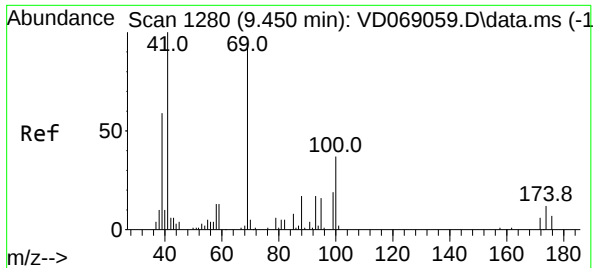
Tgt Ion: 43	Resp:	2505
Ion Ratio	Lower	Upper
43	100	
61	0.0	11.0 16.4#
70	0.0	8.5 12.7#



#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 117	Resp:	12993
Ion Ratio	Lower	Upper
117	100	
119	5.3	74.7 112.1#
121	0.0	23.1 34.7#

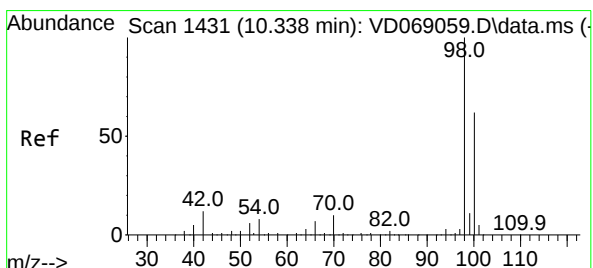
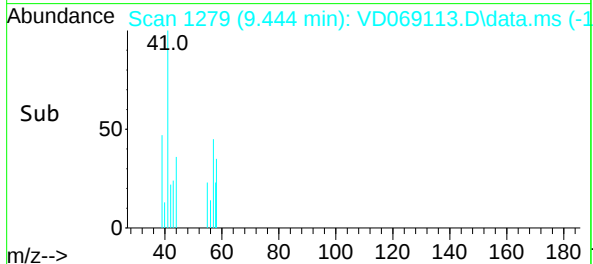
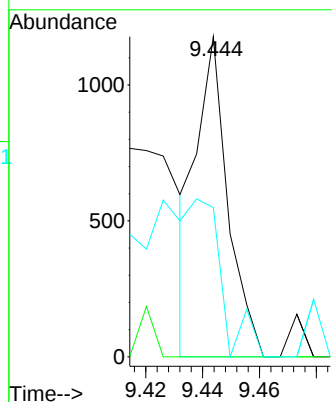
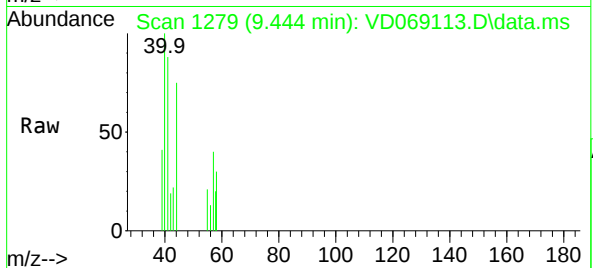




#48
Methyl methacrylate
Concen: 1.03 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

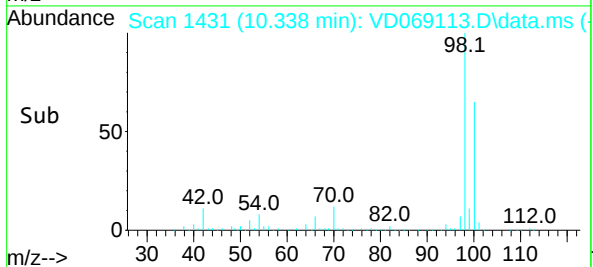
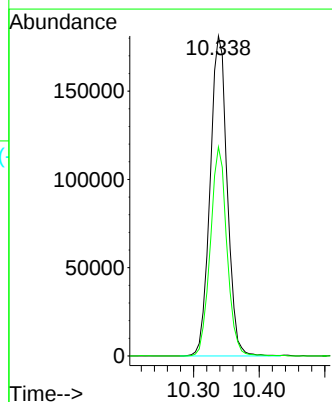
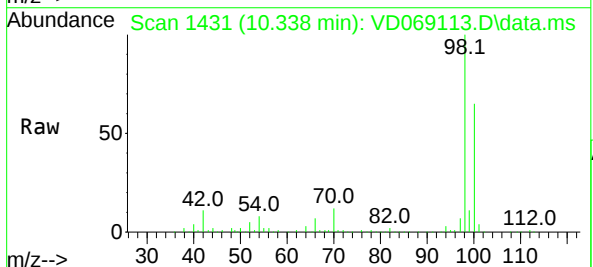
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

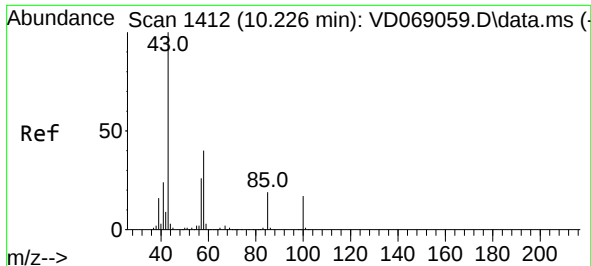
Tgt Ion: 41 Resp: 906
Ion Ratio Lower Upper
41 100
69 0.0 73.9 110.9#
39 137.4 51.0 76.4#



#50
Toluene-d8
Concen: 53.98 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 98 Resp: 328261
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4

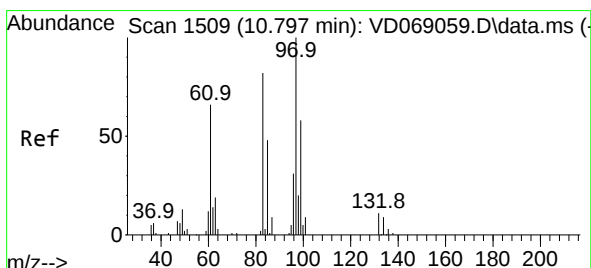
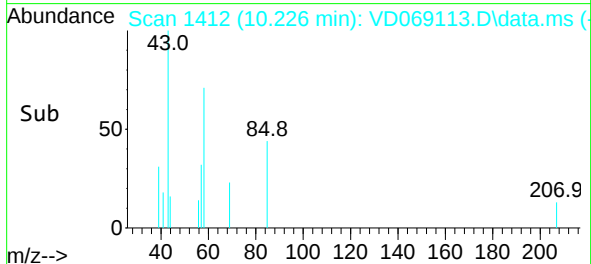
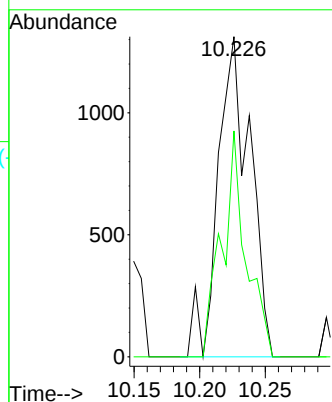
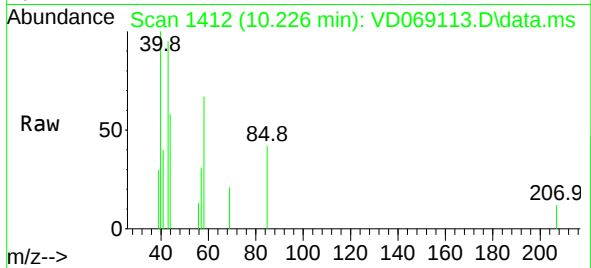




#51
4-Methyl-2-Pentanone
Concen: 2.44 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

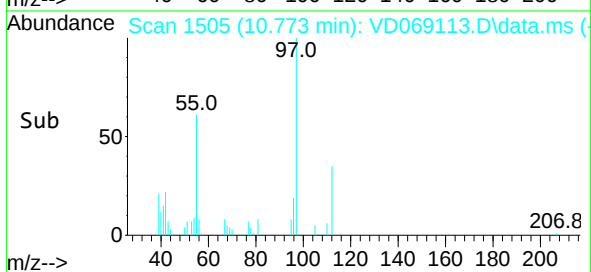
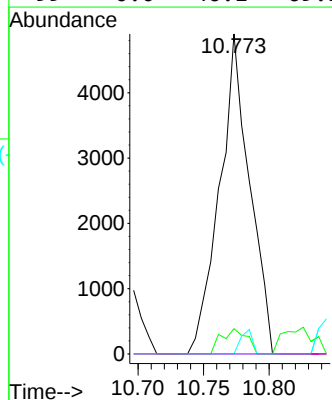
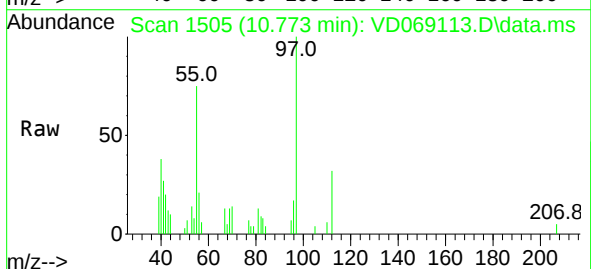
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

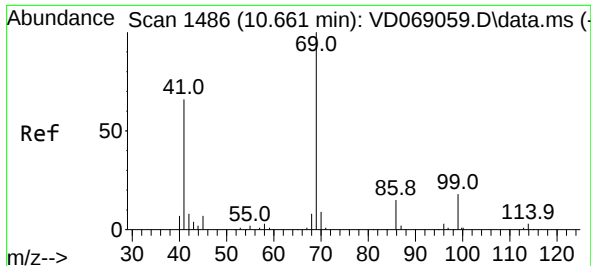
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
58 52.9 32.7 49.1#



#55
1,1,2-Trichloroethane
Concen: 5.93 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 97 Resp: 7799
Ion Ratio Lower Upper
97 100
83 7.9 65.8 98.8#
85 0.0 38.6 57.8#
99 0.0 46.1 69.1#

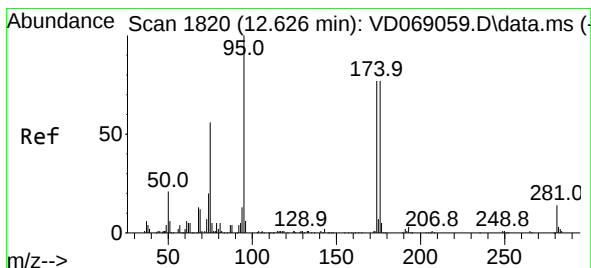
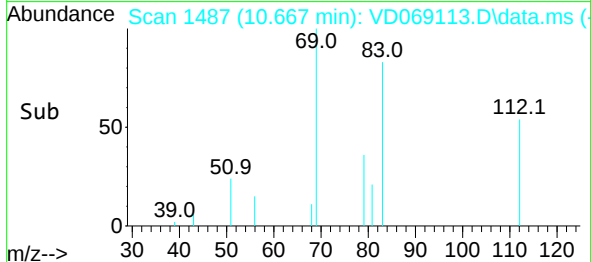
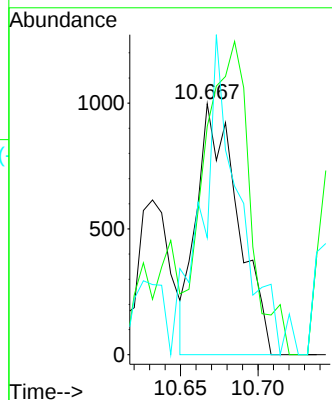
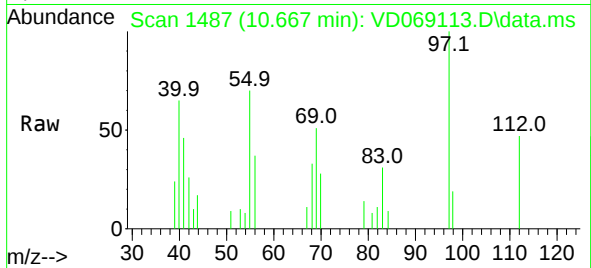




#56
Ethyl methacrylate
Concen: 3.48 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

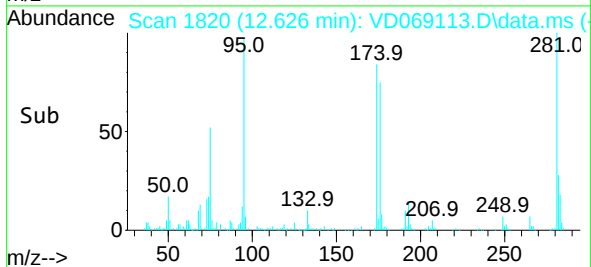
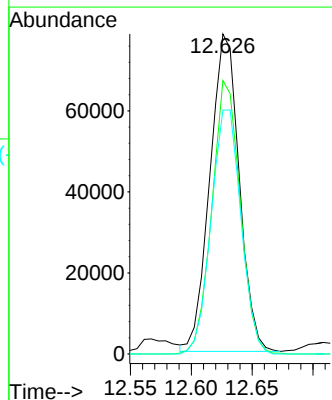
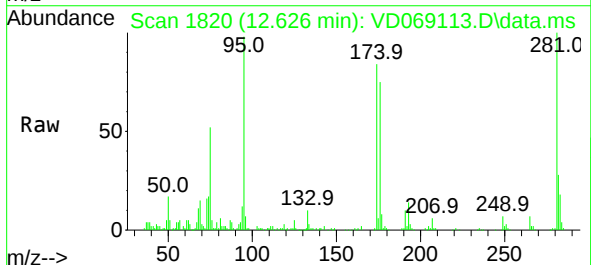
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

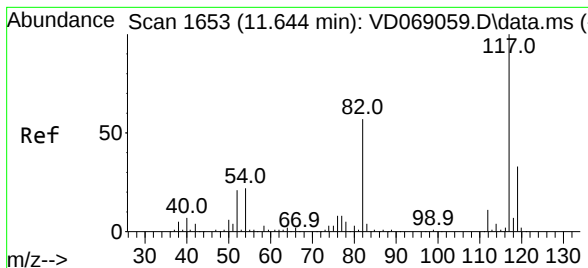
Tgt Ion: 69 Resp: 1845
Ion Ratio Lower Upper
69 100
41 137.1 49.2 73.8#
39 114.9 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 65.52 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 95 Resp: 131066
Ion Ratio Lower Upper
95 100
174 83.3 0.0 156.0
176 78.4 0.0 149.4

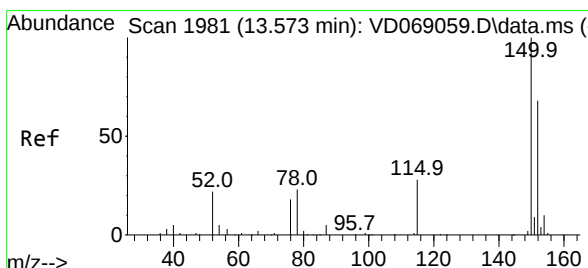
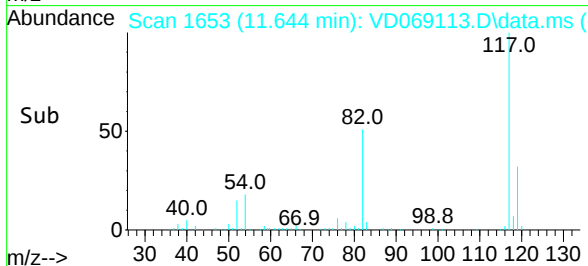
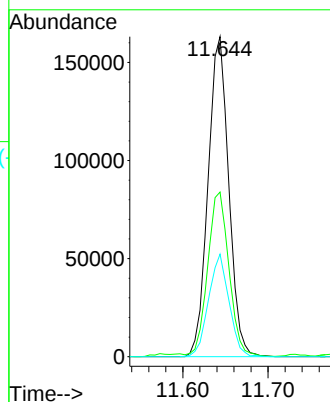
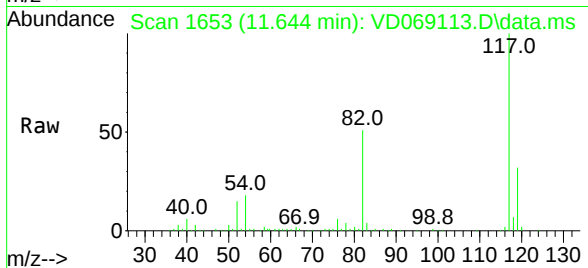




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

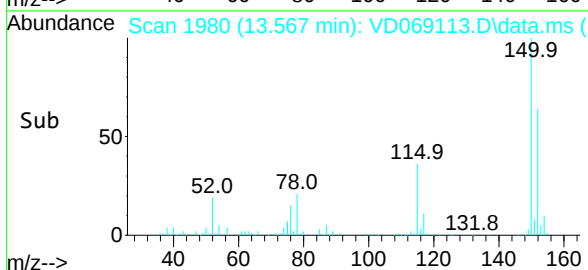
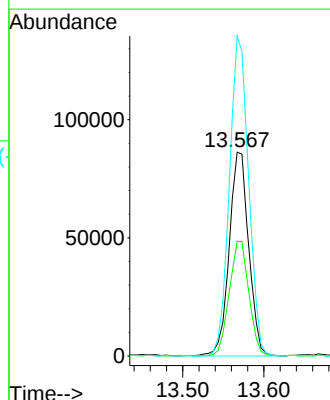
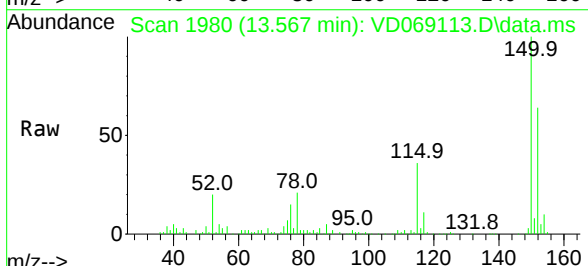
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

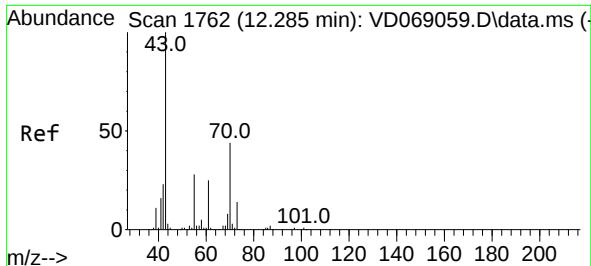
Tgt Ion:117 Resp: 275142
Ion Ratio Lower Upper
117 100
82 51.2 45.4 68.2
119 32.1 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

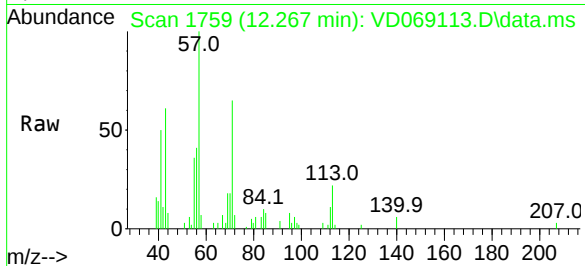
Tgt Ion:152 Resp: 143939
Ion Ratio Lower Upper
152 100
115 56.7 30.5 91.5
150 154.1 0.0 340.8



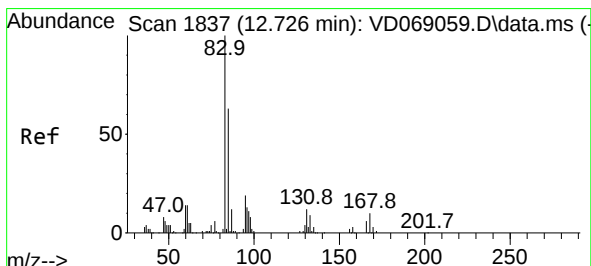
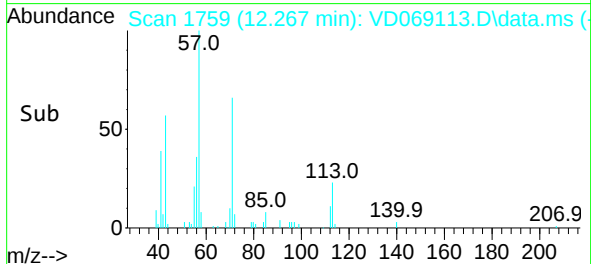
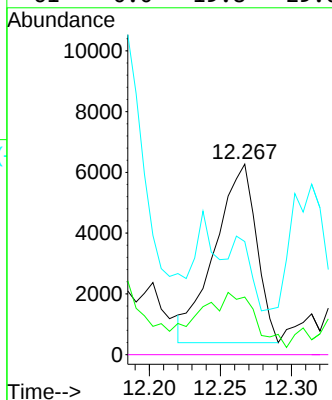


#74
N-amy1 acetate
Concen: 5.69 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

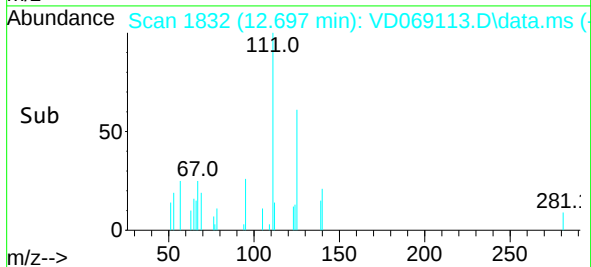
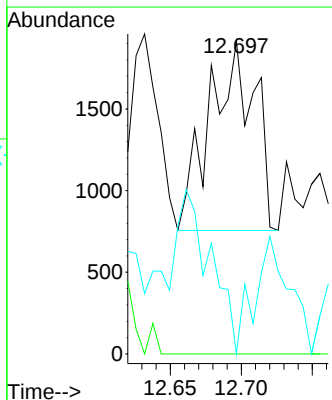
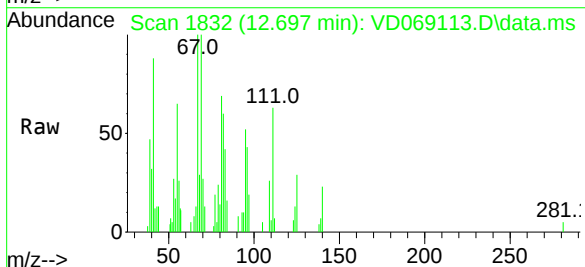


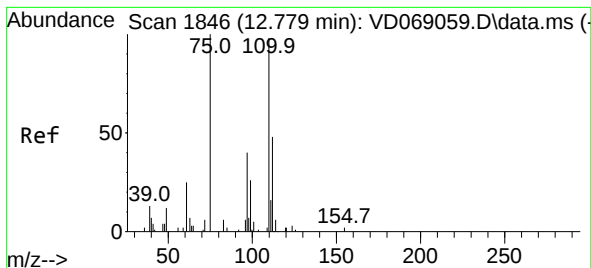
Tgt Ion:	43	Resp:	11911
Ion Ratio	100	Lower	Upper
70	41.6	36.4	54.6
55	0.0	21.8	32.8#
61	0.0	19.8	29.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.31 ug/l
RT: 12.697 min Scan# 1832
Delta R.T. -0.029 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion:	83	Resp:	2557
Ion Ratio	100	Lower	Upper
131	0.0	5.2	15.6#
85	0.0	30.9	92.8#

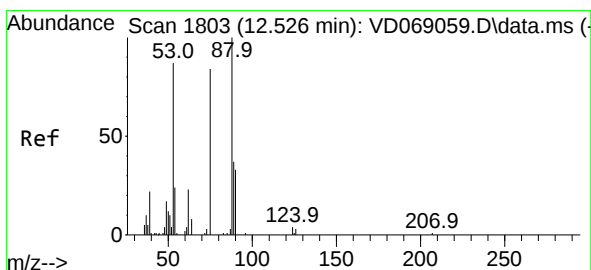
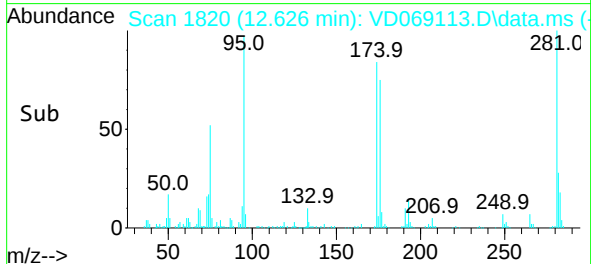
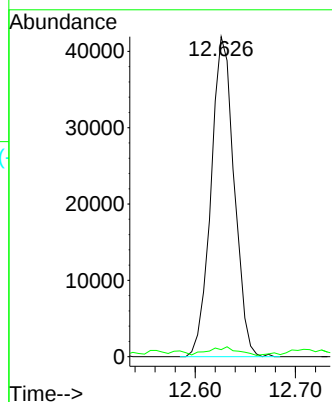
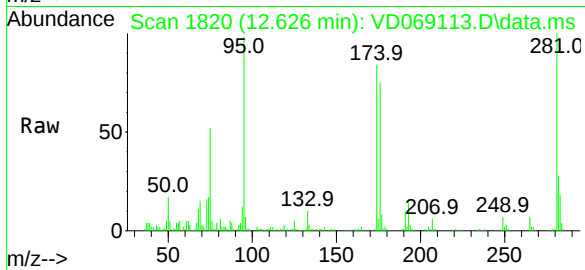




#76
1,2,3-Trichloropropane
Concen: 53.71 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

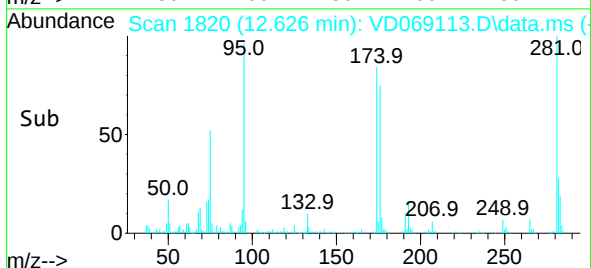
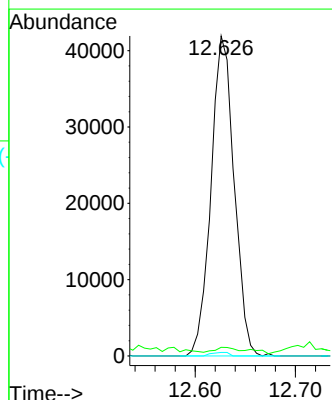
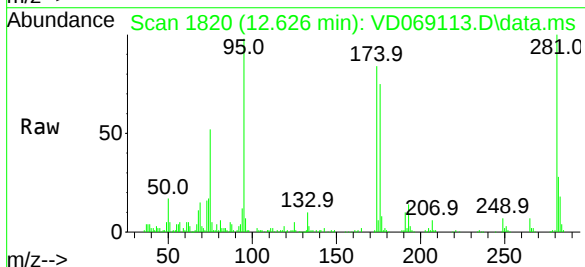
Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

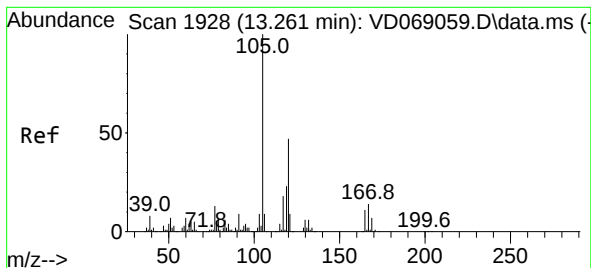
Tgt Ion: 75 Resp: 67302
Ion Ratio Lower Upper
75 100
77 3.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.87 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Tgt Ion: 75 Resp: 67302
Ion Ratio Lower Upper
75 100
53 1.4 80.4 120.6#
89 0.8 37.8 56.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.05 ug/l

RT: 13.261 min Scan# 1928

Delta R.T. 0.000 min

Lab File: VD069113.D

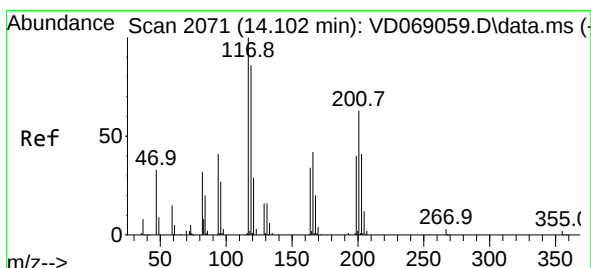
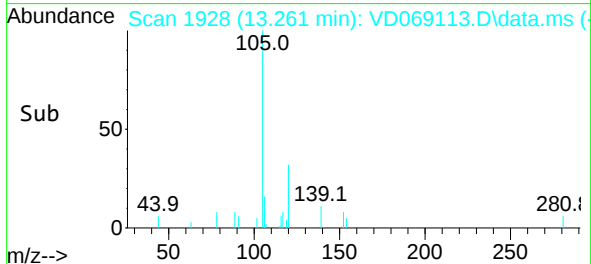
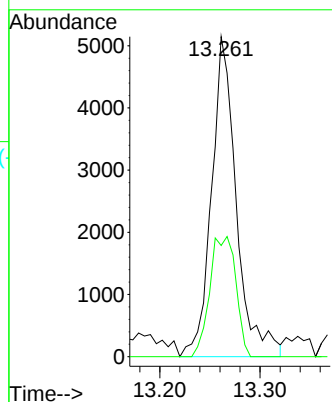
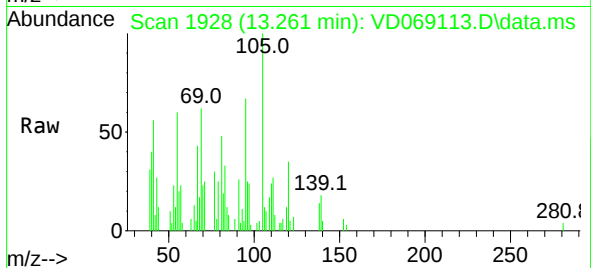
Acq: 07 May 2021 20:18

Tgt Ion:105 Resp: 8871

Ion Ratio Lower Upper

105 100

120 39.3 22.5 67.5



#90

Hexachloroethane

Concen: 1.11 ug/l

RT: 14.114 min Scan# 2073

Delta R.T. 0.012 min

Lab File: VD069113.D

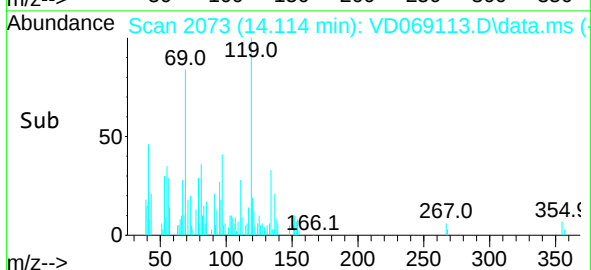
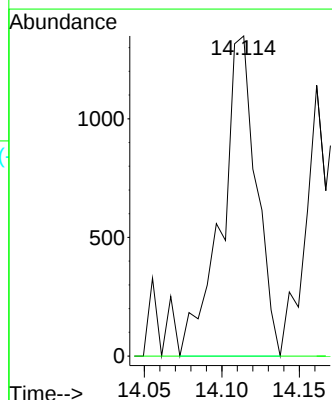
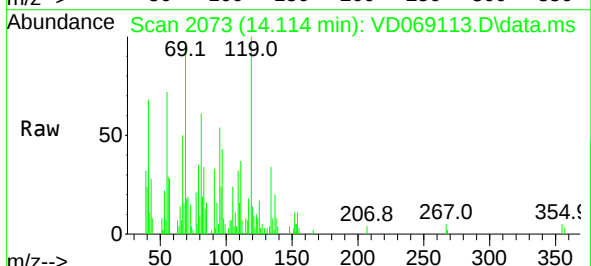
Acq: 07 May 2021 20:18

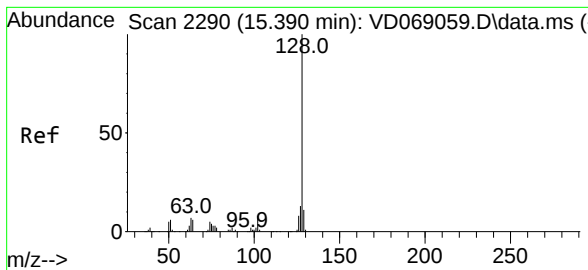
Tgt Ion:117 Resp: 2099

Ion Ratio Lower Upper

117 100

201 0.0 32.6 97.8#





#95
Naphthalene
Concen: 20.17 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069113.D
Acq: 07 May 2021 20:18

Instrument :
MSVOA_D
ClientSampleId :
DRUM-A-B-C

Tgt Ion:128 Resp: 90096
Ion Ratio Lower Upper
128 100
127 16.3 10.7 16.1#
129 11.7 8.5 12.7

