

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069428.D
 Acq On : 14 Jun 2021 15:51
 Operator : VA/SY
 Sample : M2707-01
 Misc : 6.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 07:27:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

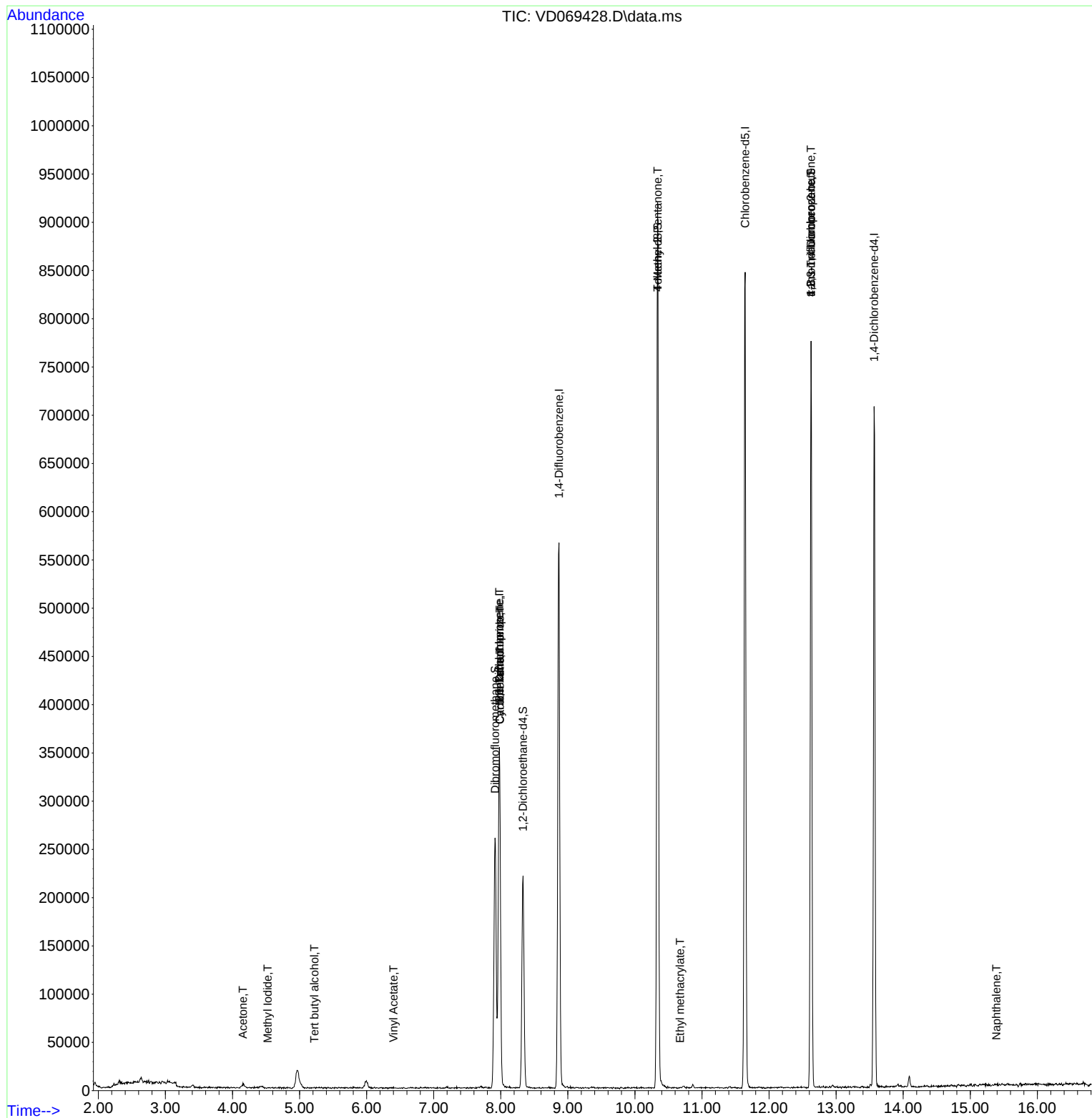
Internal Standards						
1) Pentafluorobenzene	7.979	168	270531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	508295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	513071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	202355	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	177205	58.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.12%			
35) Dibromofluoromethane	7.914	113	190920	50.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.30%			
50) Toluene-d8	10.337	98	649793	46.67	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.34%			
62) 4-Bromofluorobenzene	12.626	95	197524	44.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.42%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	273	Below Cal	#	71
10) Methyl Iodide	4.526	142	56	3.35 ug/l	#	39
11) Tert butyl alcohol	5.220	59	177	1.12 ug/l	#	73
16) Acetone	4.155	43	7448	14.74 ug/l	#	86
18) Methyl Acetate	4.955	43	395	Below Cal	#	46
20) Methylene Chloride	4.967	84	16554	Below Cal	#	80
23) Vinyl Acetate	6.402	43	77	17.59 ug/l	#	67
31) Cyclohexane	7.985	56	5905	1.42 ug/l	#	7
36) 1,1-Dichloropropene	7.979	75	20968	3.96 ug/l	#	47
38) Carbon Tetrachloride	7.985	117	27611	4.82 ug/l	#	17
51) 4-Methyl-2-Pentanone	10.337	43	2323	1.36 ug/l	#	1
56) Ethyl methacrylate	10.673	69	72	2.84 ug/l	#	31
76) 1,2,3-Trichloropropane	12.626	75	99674	48.59 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	99674	129.61 ug/l	#	18
95) Naphthalene	15.390	128	1413	3.76 ug/l	#	76

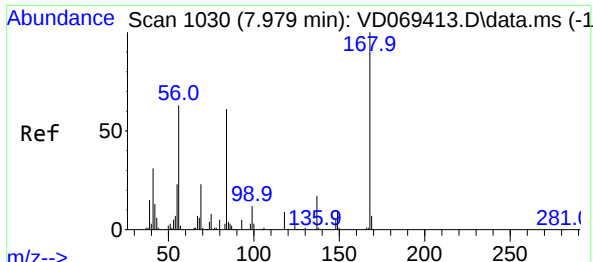
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 11 12:50:13 2021
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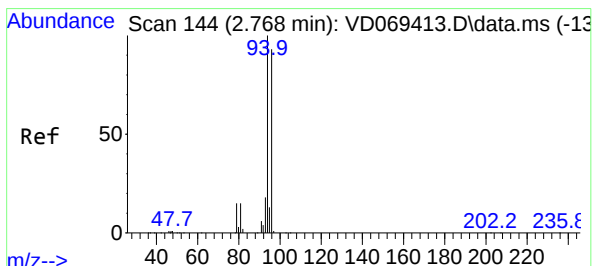
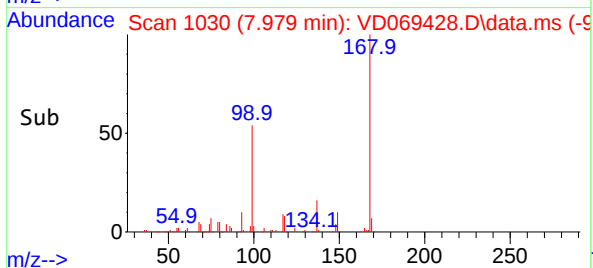
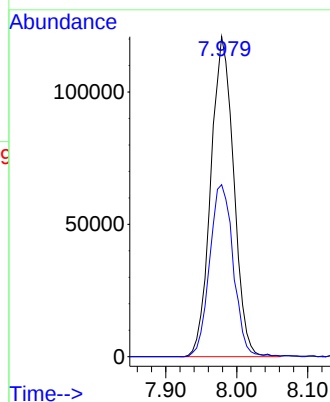
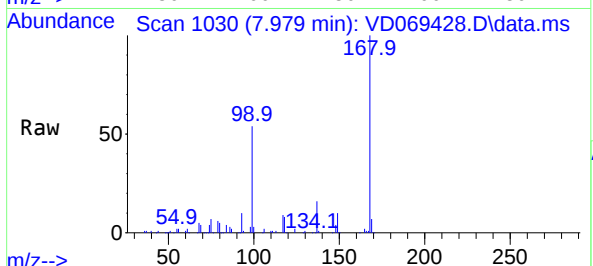




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

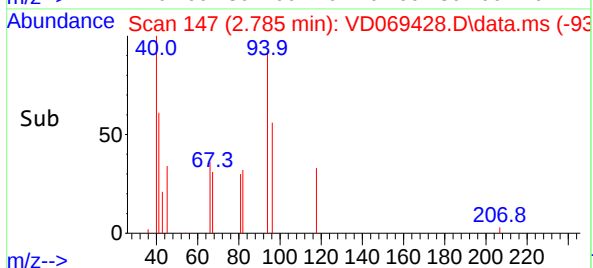
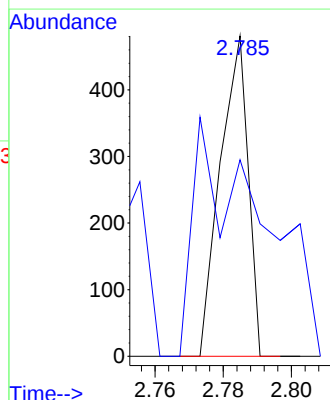
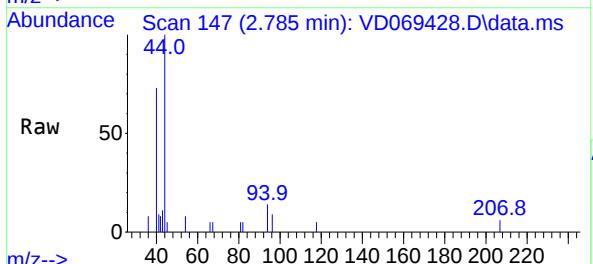
Instrument :
MSVOA_D
ClientSampled :

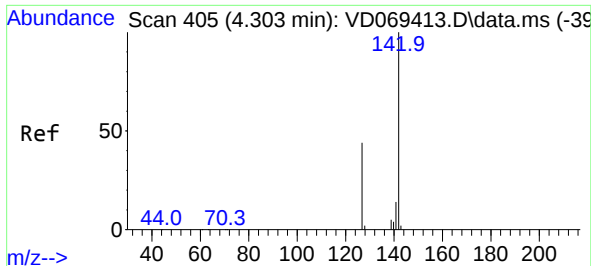
Tgt Ion:168 Resp: 270531
Ion Ratio Lower Upper
168 100
99 53.8 46.2 69.2



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 61.3 70.3 105.5#

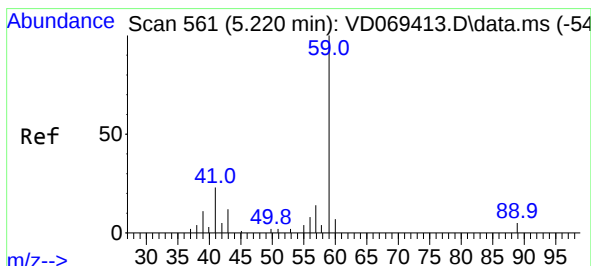
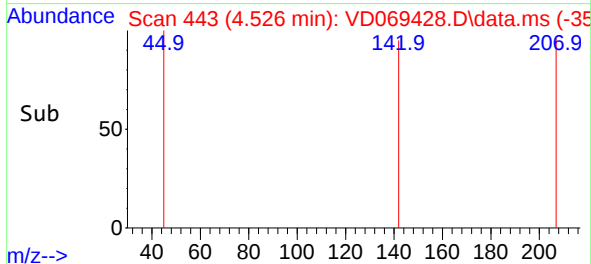
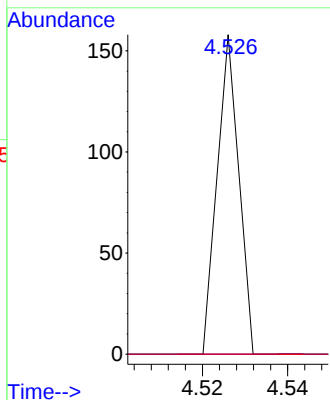
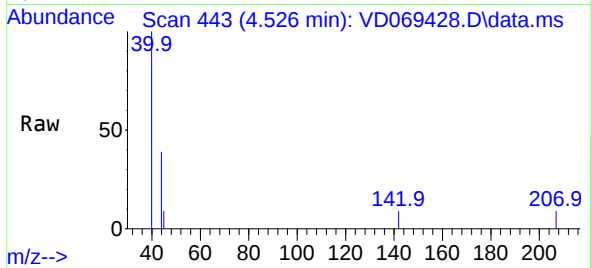




#10
Methyl Iodide
Concen: 3.35 ug/l
RT: 4.526 min Scan# 443
Delta R.T. 0.223 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

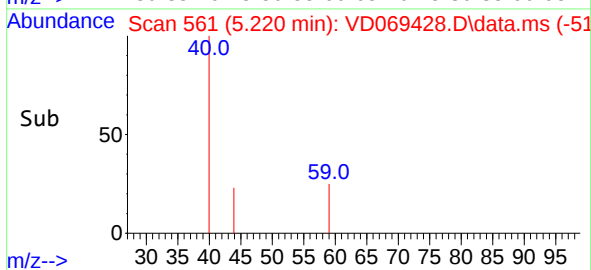
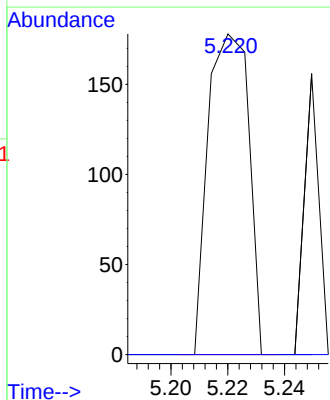
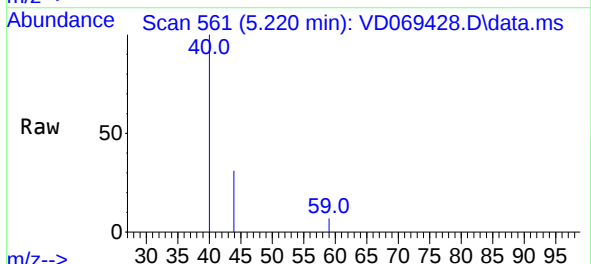
Instrument :
MSVOA_D
ClientSampled :

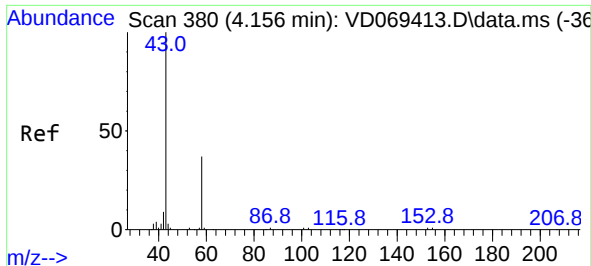
Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: 1.12 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

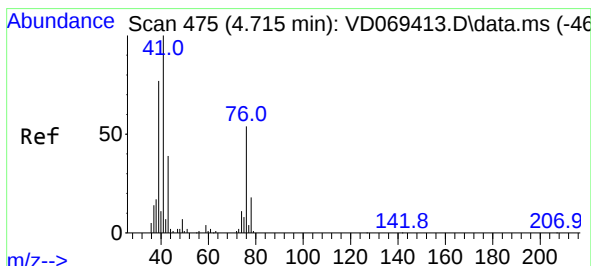
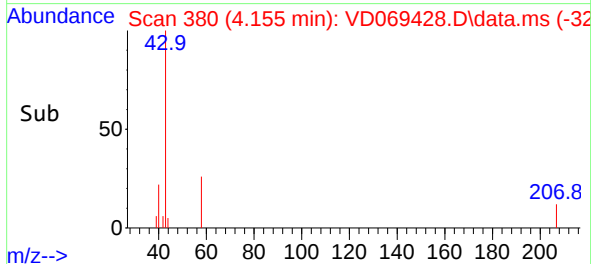
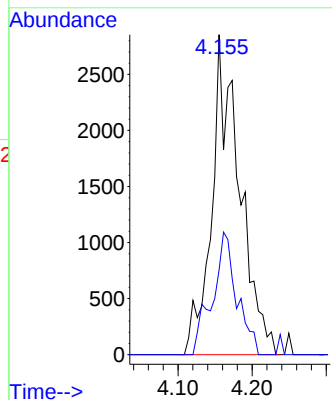
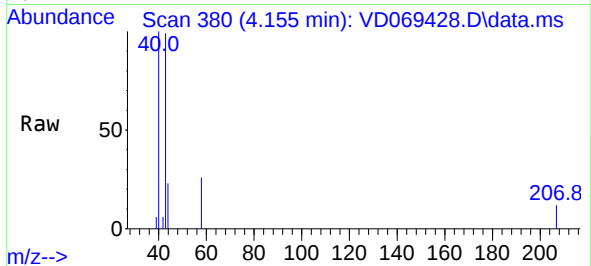




#16
Acetone
Concen: 14.74 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.001 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

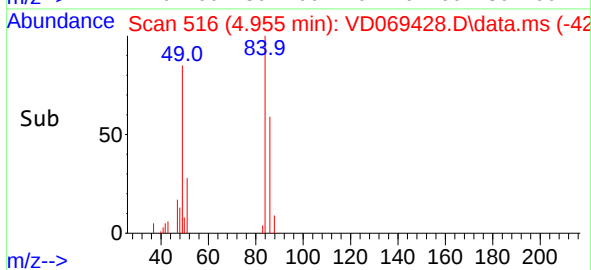
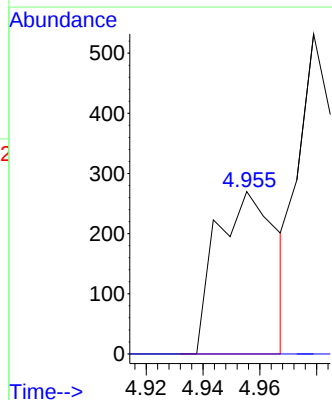
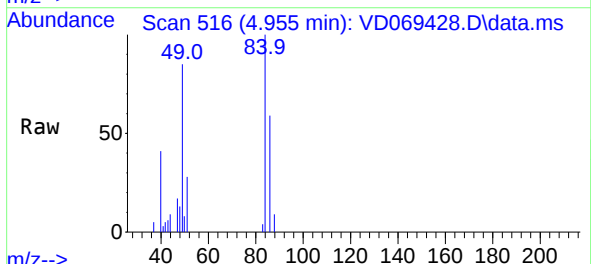
Instrument :
MSVOA_D
ClientSampled :

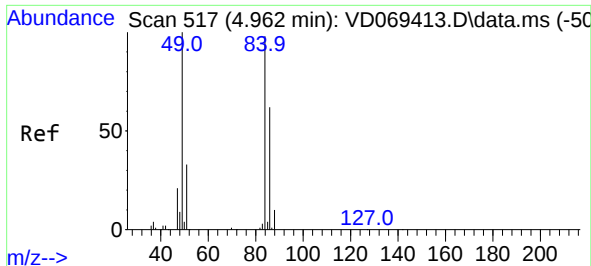
Tgt Ion: 43 Resp: 7448
Ion Ratio Lower Upper
43 100
58 26.4 27.5 41.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. 0.240 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

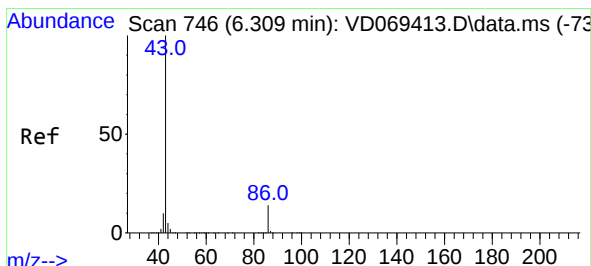
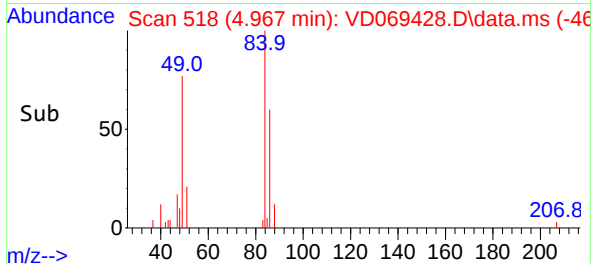
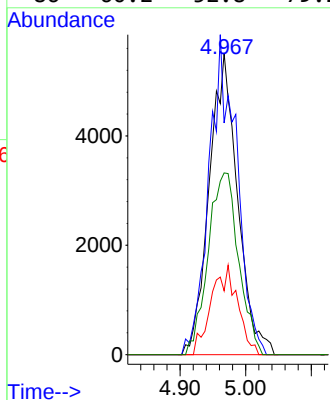
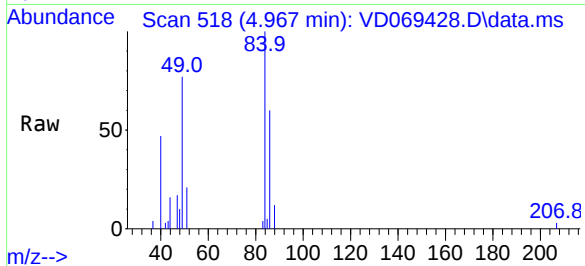




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

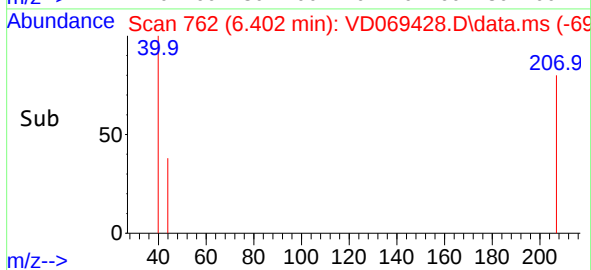
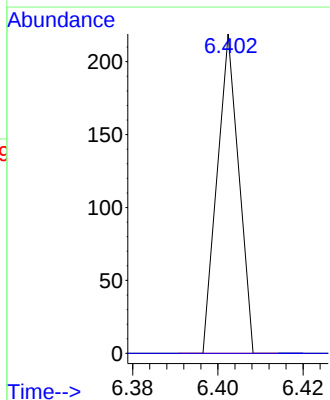
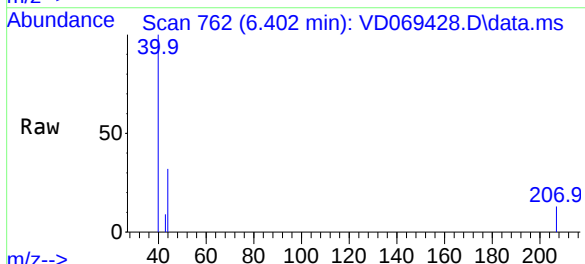
Instrument :
MSVOA_D
ClientSampleId :

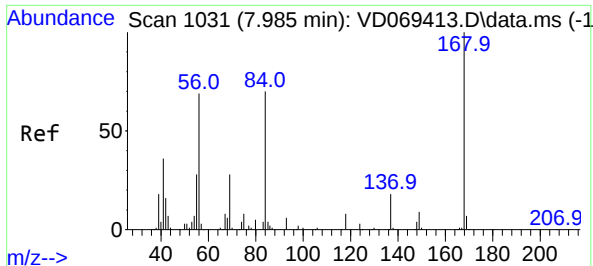
Tgt Ion:	84	Resp:	16554
Ion	Ratio	Lower	Upper
84	100		
49	76.8	83.7	125.5#
51	21.2	26.4	39.6#
86	60.2	52.8	79.2



#23
Vinyl Acetate
Concen: 17.59 ug/l
RT: 6.402 min Scan# 762
Delta R.T. 0.093 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

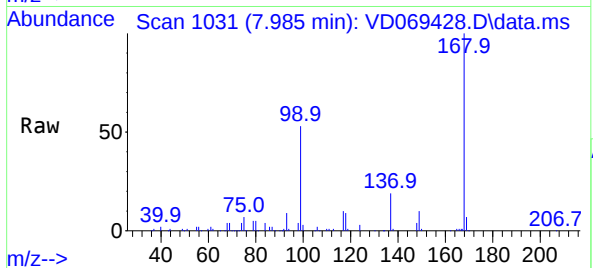
Tgt Ion:	43	Resp:	77
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#



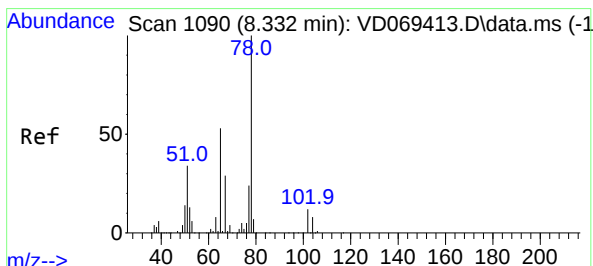
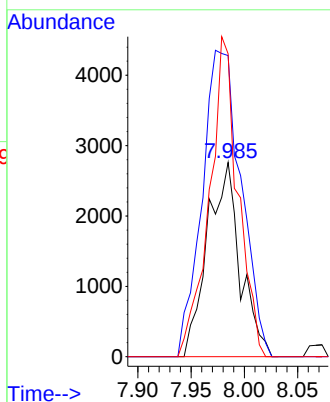
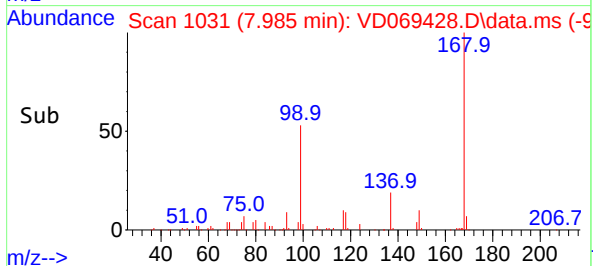


#31
Cyclohexane
Concen: 1.42 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

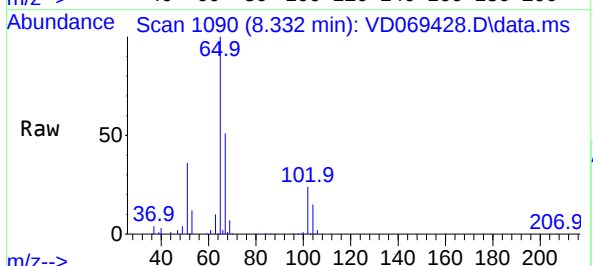
Instrument :
MSVOA_D
ClientSampleId :



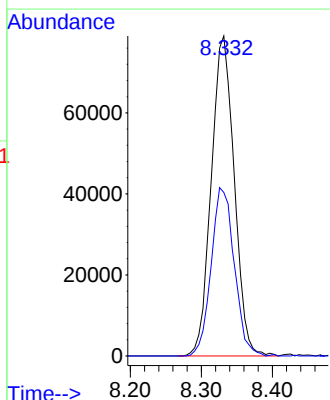
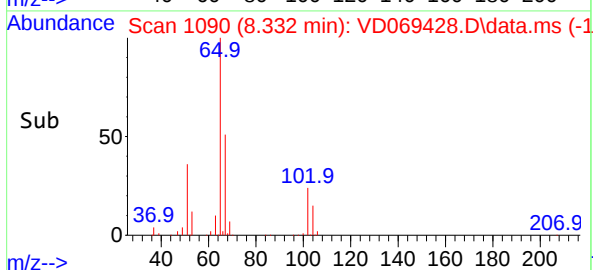
Tgt Ion: 56 Resp: 5905
Ion Ratio Lower Upper
56 100
69 155.0 29.0 43.4#
84 156.0 81.1 121.7#

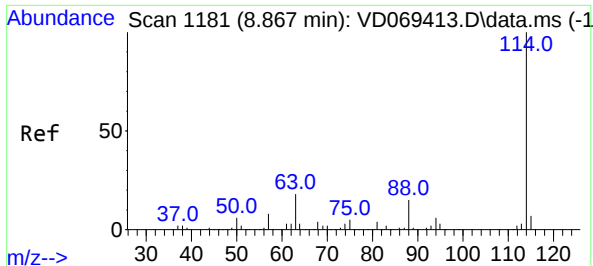


#33
1,2-Dichloroethane-d4
Concen: 58.06 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51



Tgt Ion: 65 Resp: 177205
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.8

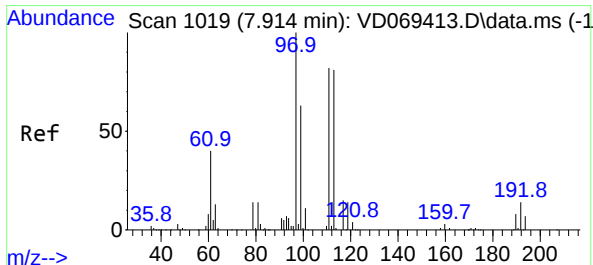
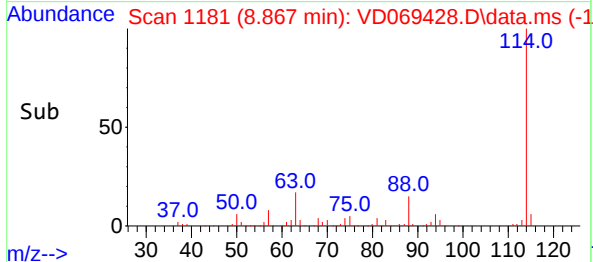
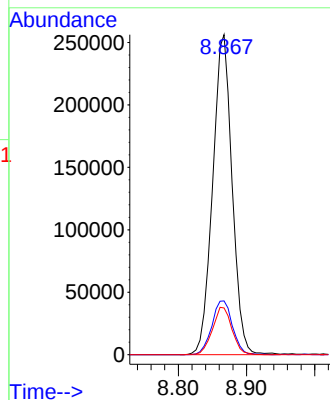
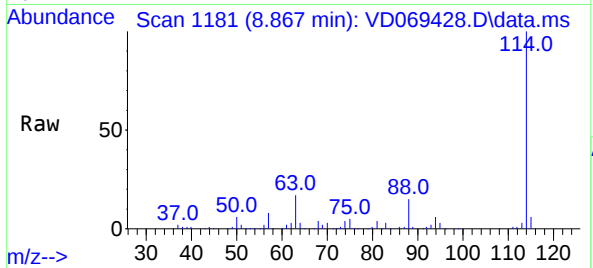




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

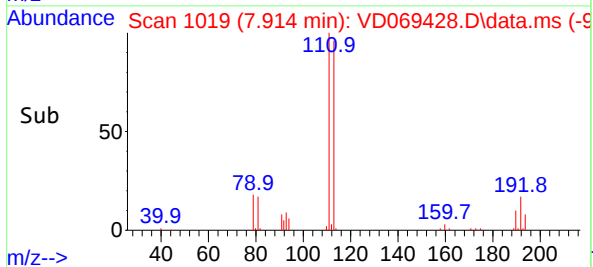
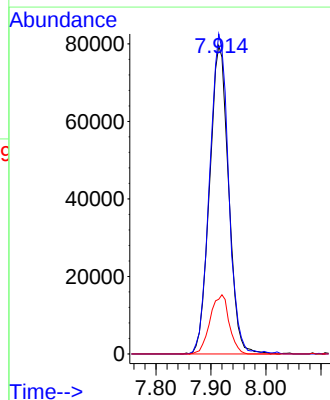
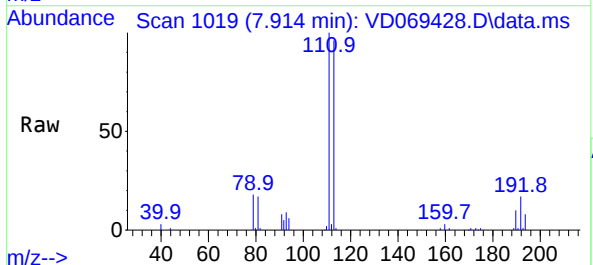
Instrument :
MSVOA_D
ClientSampleId :

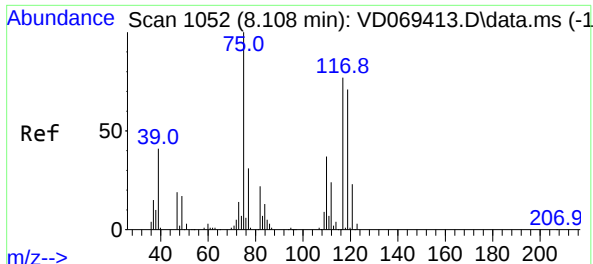
Tgt Ion:	114	Resp:	508295
Ion Ratio	Lower	Upper	
114	100		
63	16.8	0.0	35.6
88	14.6	0.0	31.2



#35
Dibromofluoromethane
Concen: 50.15 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion:	113	Resp:	190920
Ion Ratio	Lower	Upper	
113	100		
111	103.4	83.0	124.6
192	19.2	15.1	22.7

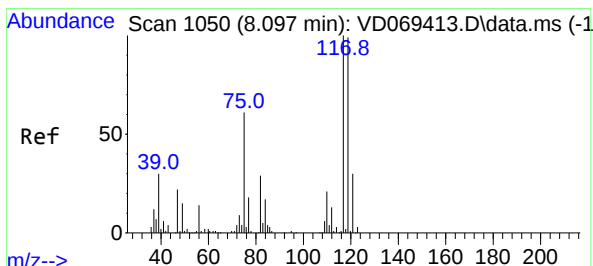
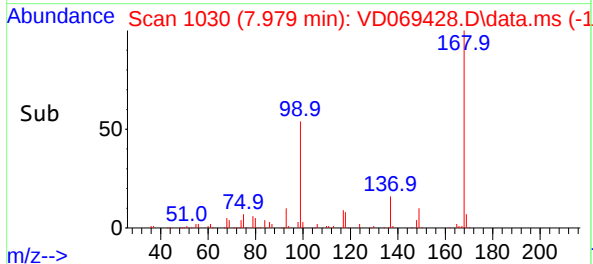
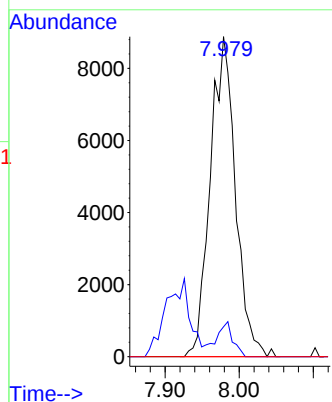
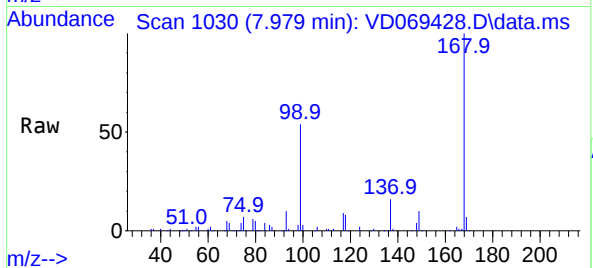




#36
1,1-Dichloropropene
Concen: 3.96 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

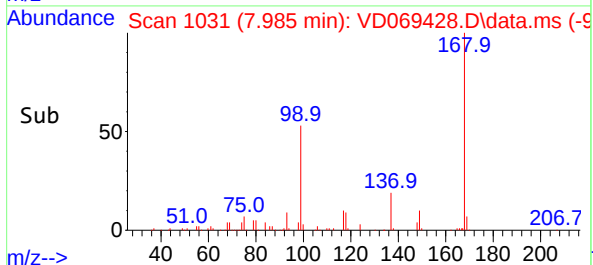
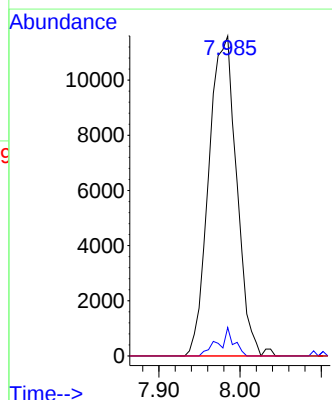
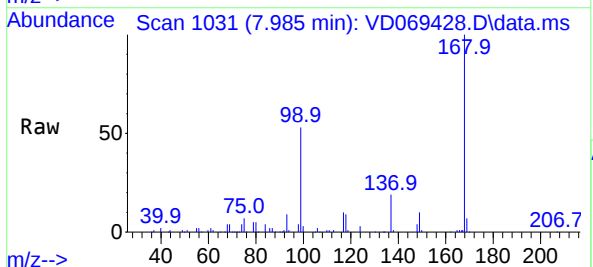
Instrument :
MSVOA_D
ClientSampled :

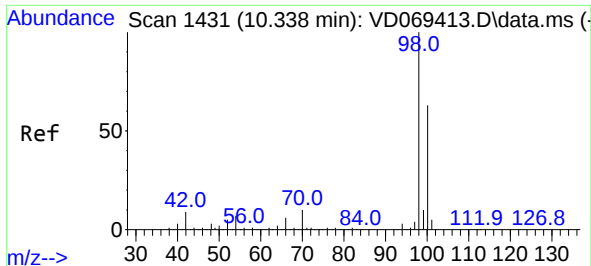
Tgt Ion: 75 Resp: 20968
Ion Ratio Lower Upper
75 100
110 6.9 18.4 55.2#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.82 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 117 Resp: 27611
Ion Ratio Lower Upper
117 100
119 8.9 79.4 119.2#
121 0.0 26.1 39.1#

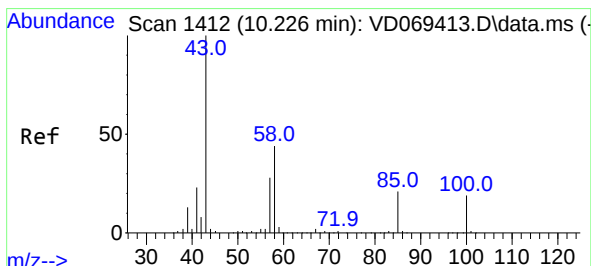
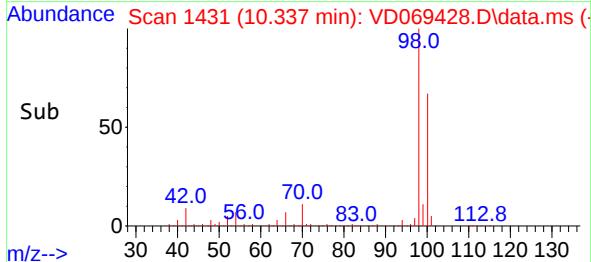
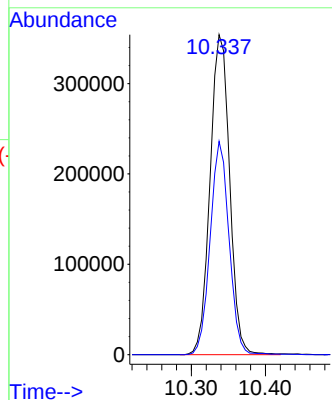
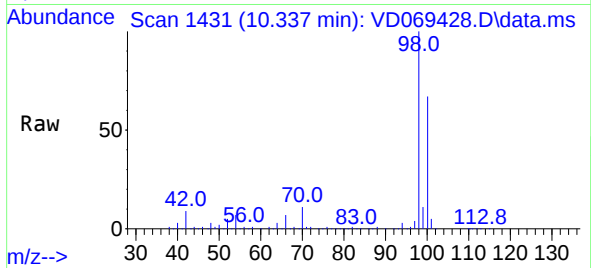




#50
Toluene-d8
Concen: 46.67 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

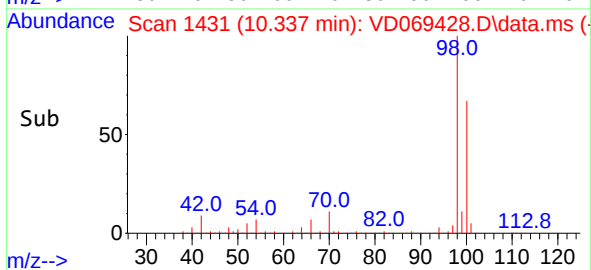
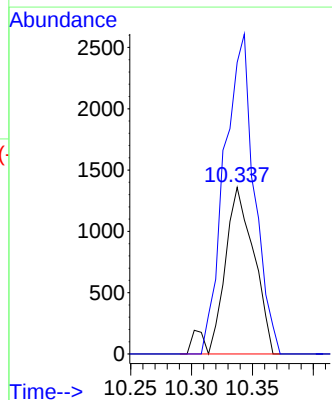
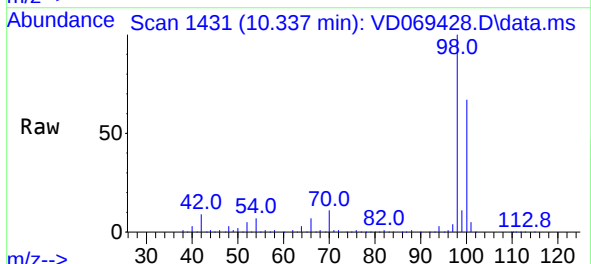
Instrument :
MSVOA_D
ClientSampled :

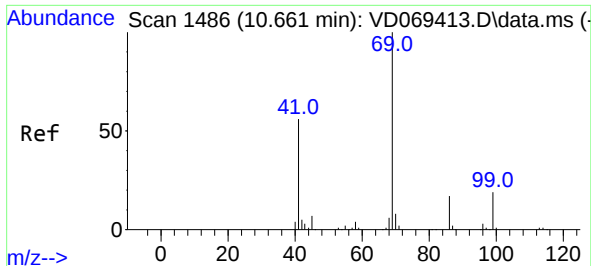
Tgt Ion: 98 Resp: 649793
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. 0.111 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 43 Resp: 2323
Ion Ratio Lower Upper
43 100
58 192.6 35.1 52.7#

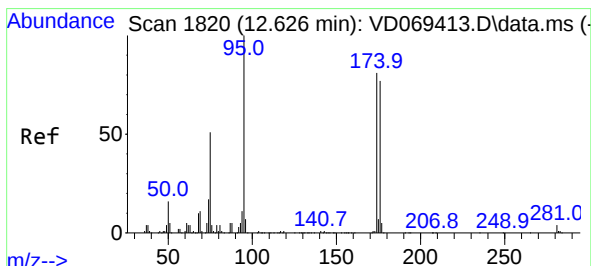
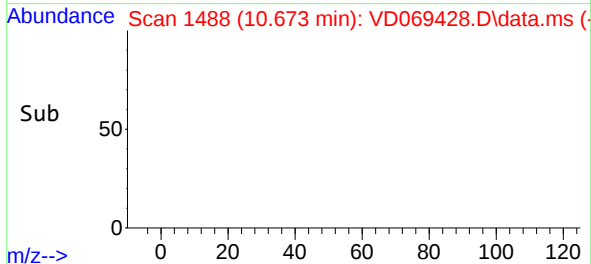
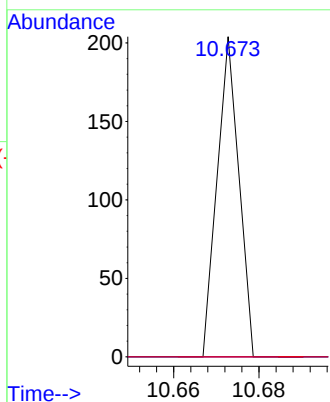
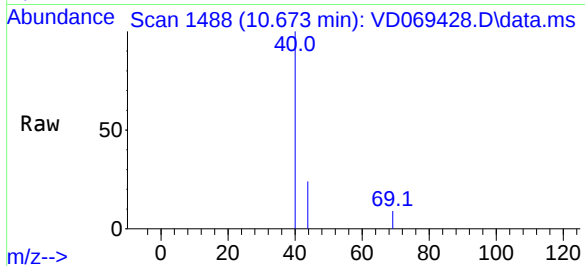




#56
Ethyl methacrylate
Concen: 2.84 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.012 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

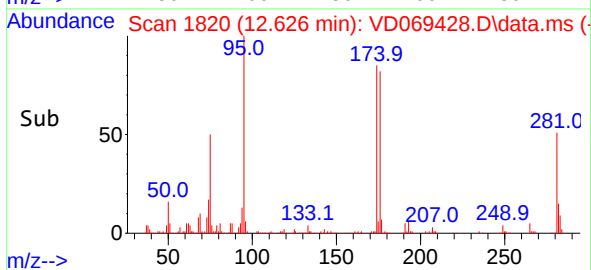
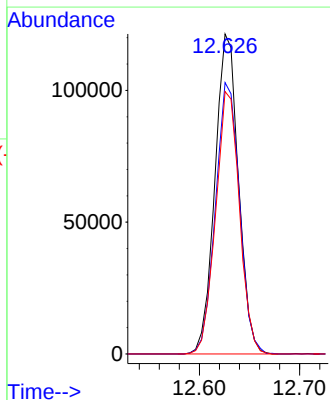
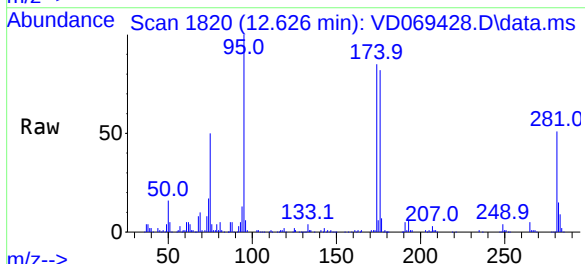
Instrument :
MSVOA_D
ClientSampled :

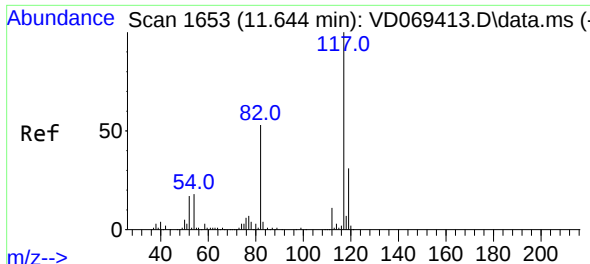
Tgt Ion: 69	Resp:	72
Ion	Ratio	Lower Upper
69	100	
41	0.0	45.4 68.2#
39	0.0	21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 44.21 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 95	Resp:	197524
Ion	Ratio	Lower Upper
95	100	
174	86.7	0.0 162.8
176	82.9	0.0 154.4

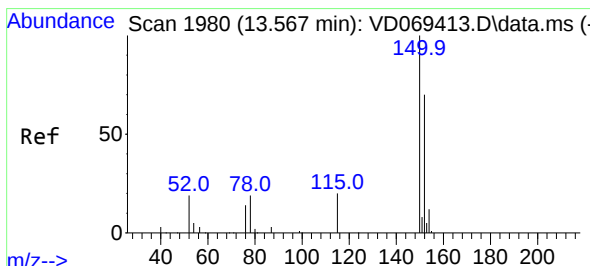
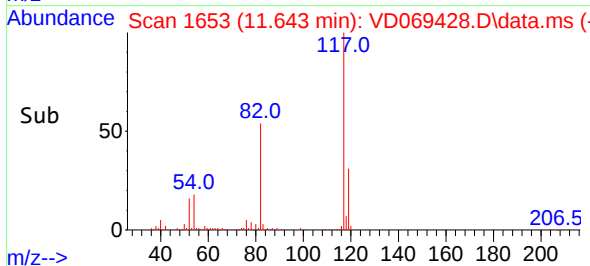
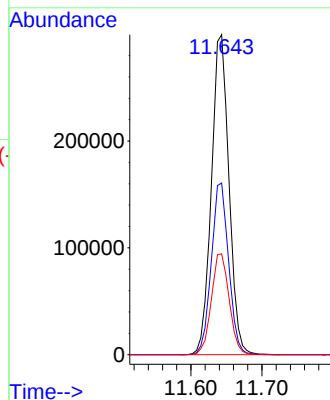
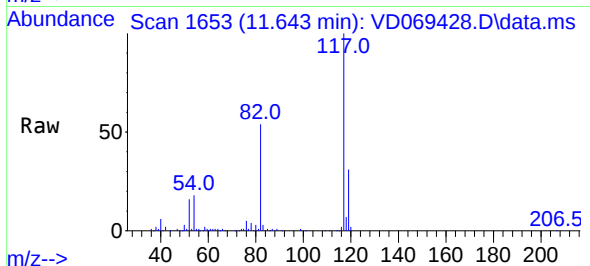




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

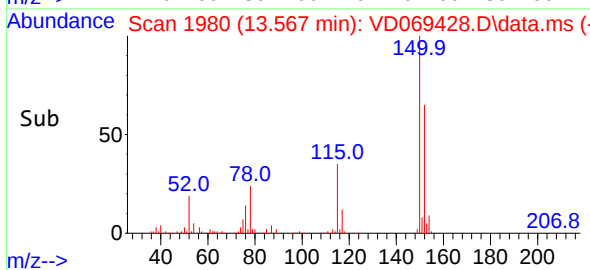
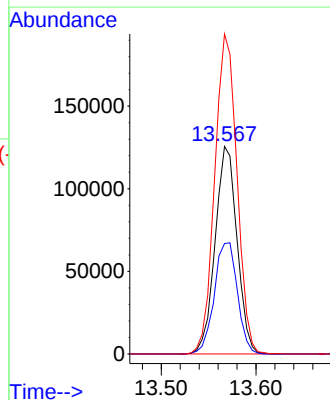
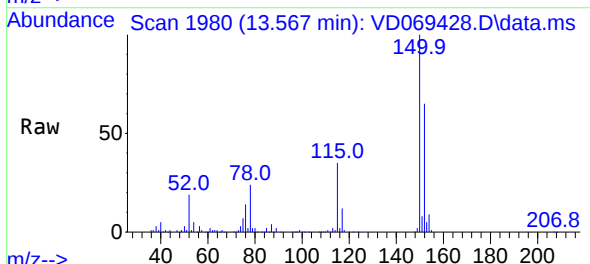
Instrument :
MSVOA_D
ClientSampled :

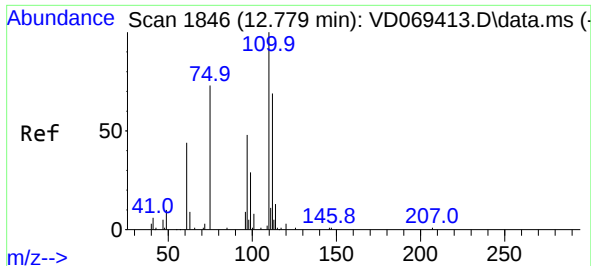
Tgt Ion:	117	Resp:	513071
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.3	64.9
119	31.5	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion:	152	Resp:	202355
Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.4	88.3
150	156.4	0.0	355.0

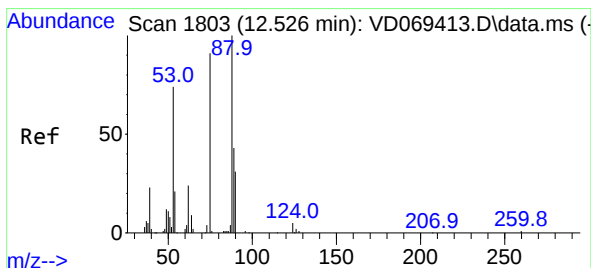
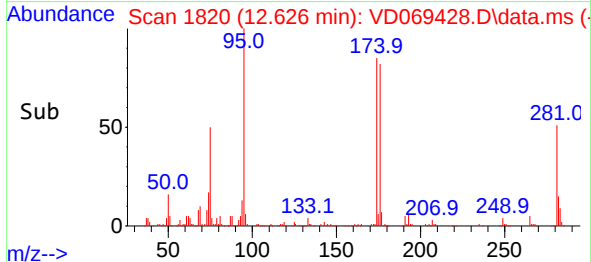
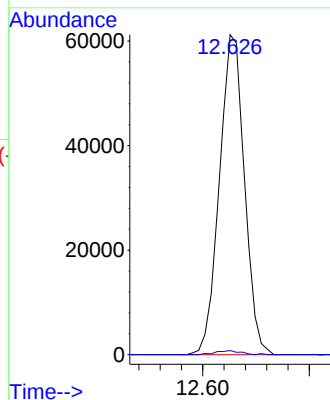
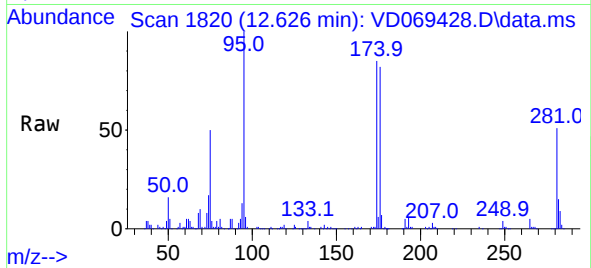




#76
1,2,3-Trichloropropane
Concen: 48.59 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

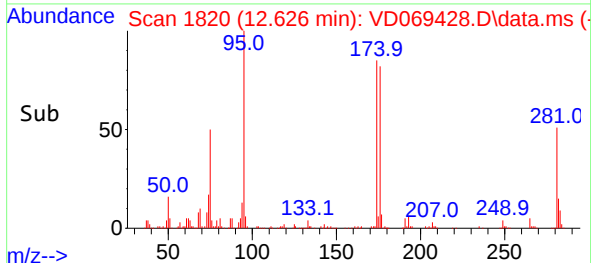
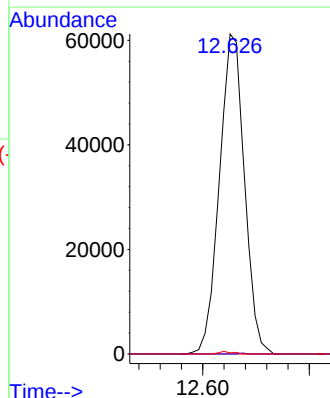
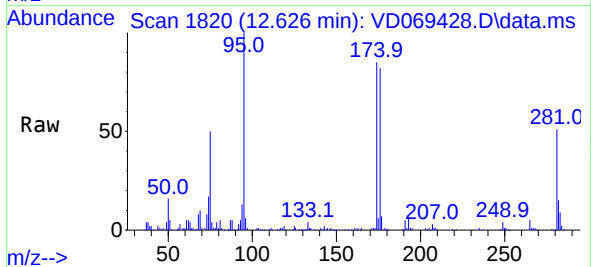
Instrument :
MSVOA_D
ClientSampled :

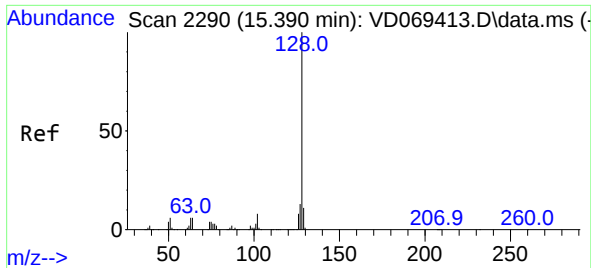
Tgt Ion: 75 Resp: 99674
Ion Ratio Lower Upper
75 100
77 1.3 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.61 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Tgt Ion: 75 Resp: 99674
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 35.6 53.4#





#95
Naphthalene
Concen: 3.76 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069428.D
Acq: 14 Jun 2021 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1413
Ion Ratio Lower Upper
128 100
127 5.4 10.4 15.6#
129 0.0 8.8 13.2#

