

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069547.D
 Acq On : 23 Jun 2021 16:14
 Operator : VA/SY
 Sample : M2795-05RE
 Misc : 8.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:09:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

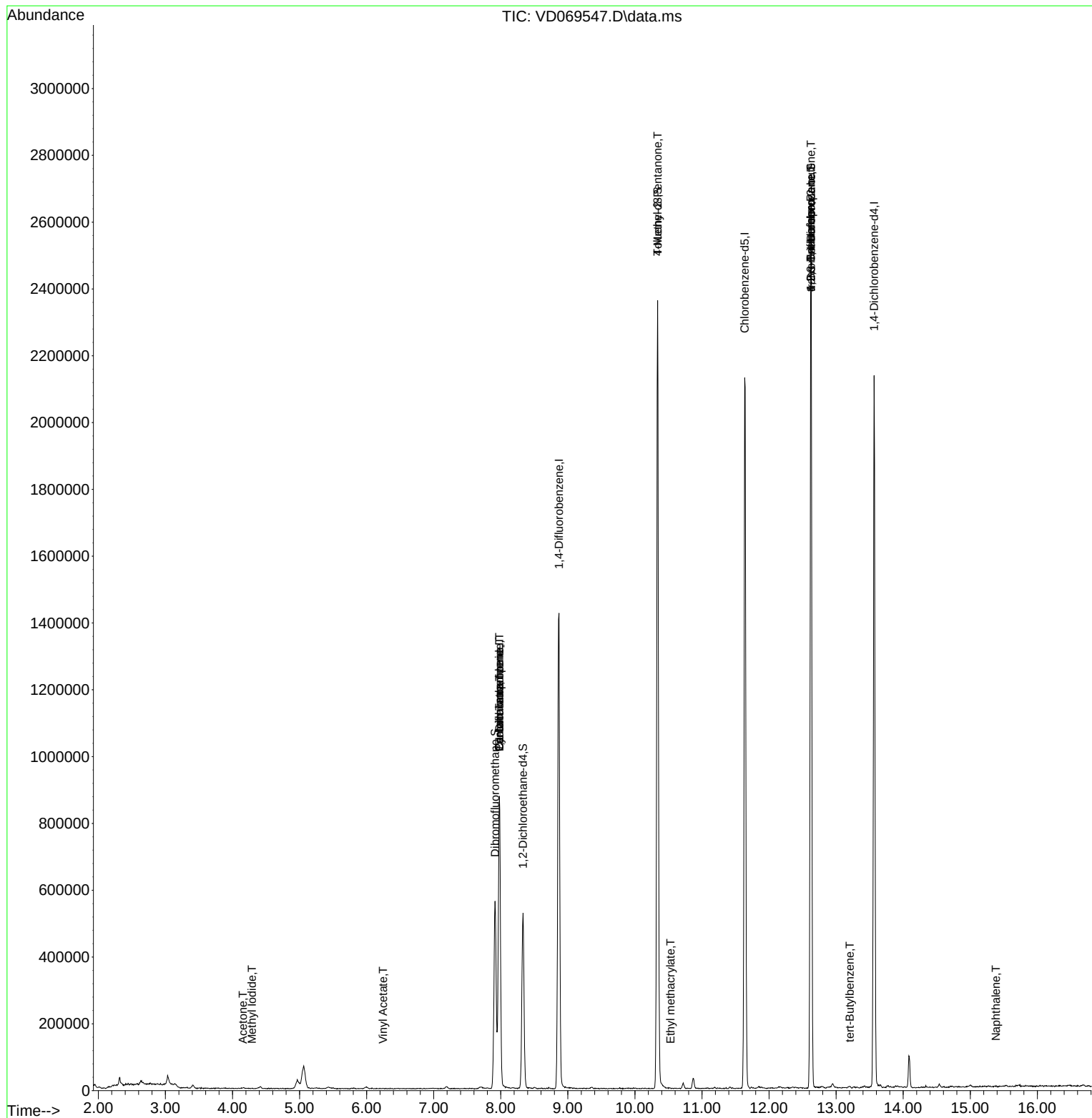
Internal Standards						
1) Pentafluorobenzene	7.979	168	599979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1204411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1228431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	535673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	421776	56.397	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.800%			
35) Dibromofluoromethane	7.914	113	408092	50.124	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.240%			
50) Toluene-d8	10.338	98	1578707	51.696	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.400%			
62) 4-Bromofluorobenzene	12.626	95	593598	59.125	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.260%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	2943	Below Cal		82
10) Methyl Iodide	4.291	142	546	4.020 ug/l #		71
11) Tert butyl alcohol	5.214	59	836	Below Cal #		83
16) Acetone	4.156	43	2017	1.602 ug/l #		41
18) Methyl Acetate	4.720	43	87	Below Cal #		49
20) Methylene Chloride	4.967	84	17825	Below Cal		91
23) Vinyl Acetate	6.244	43	55	19.015 ug/l #		70
31) Cyclohexane	7.979	56	15534	1.543 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	56293	4.762 ug/l #		47
38) Carbon Tetrachloride	7.979	117	69035	5.901 ug/l #		17
51) 4-Methyl-2-Pentanone	10.338	43	6748	1.610 ug/l #		1
56) Ethyl methacrylate	10.532	69	172	2.603 ug/l #		70
71) Bromoform	12.620	173	4645	1.032 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	311964	59.328 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	311964	148.133 ug/l #		13
83) tert-Butylbenzene	13.202	119	356	2.005 ug/l #		75
95) Naphthalene	15.384	128	2174	3.476 ug/l #		87

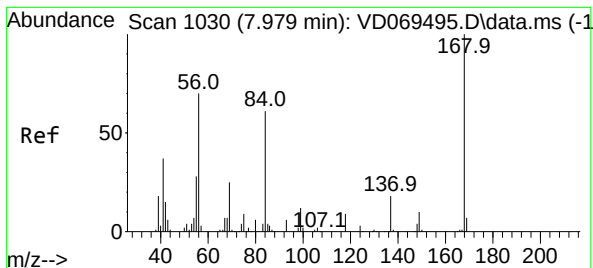
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.000 min

Lab File: VD069547.D

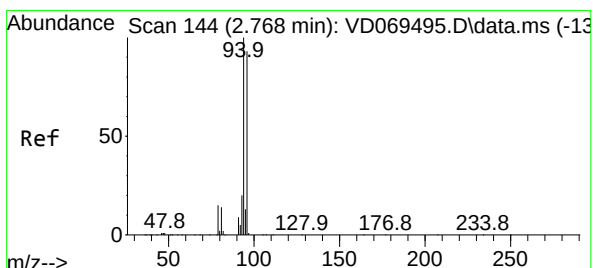
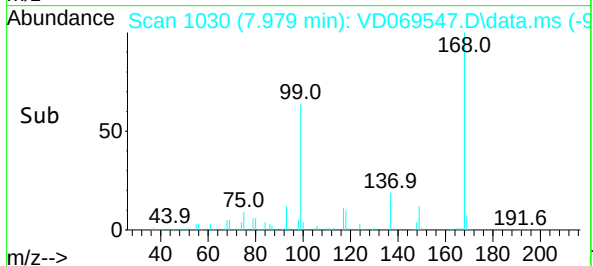
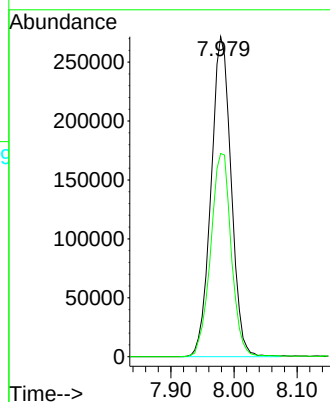
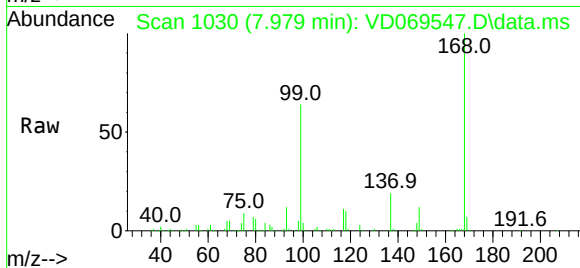
Acq: 23 Jun 2021 16:14

Tgt Ion:168 Resp: 599979

Ion Ratio Lower Upper

168 100

99 63.5 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD069547.D

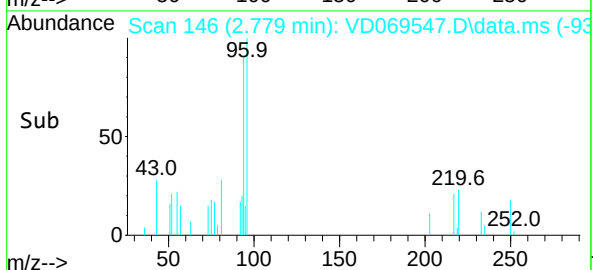
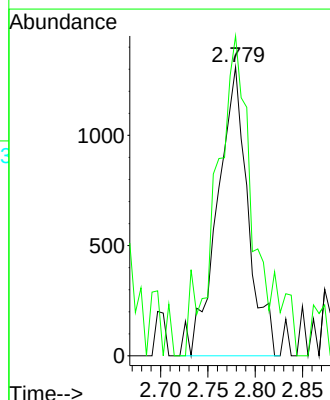
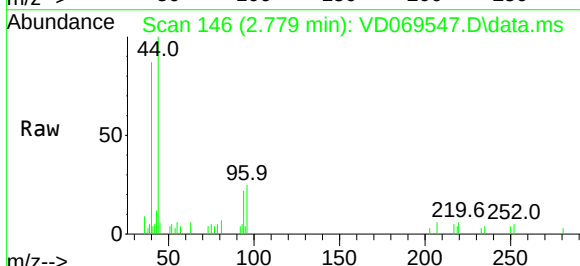
Acq: 23 Jun 2021 16:14

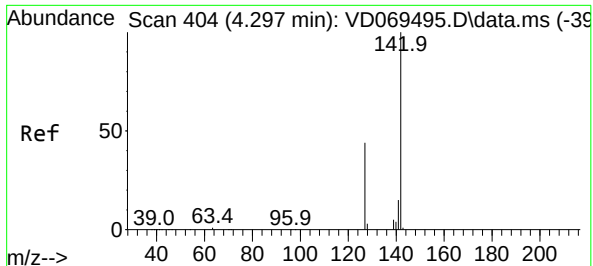
Tgt Ion: 94 Resp: 2943

Ion Ratio Lower Upper

94 100

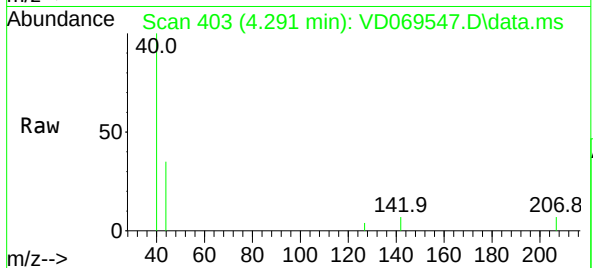
96 110.8 74.6 111.8



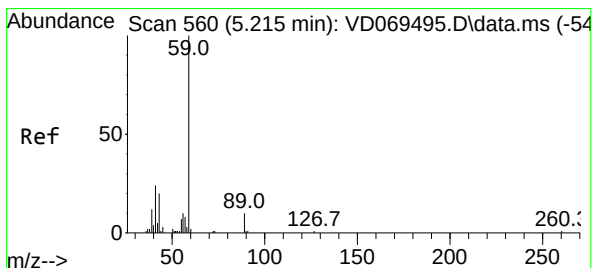
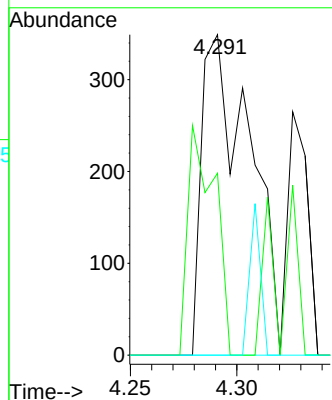
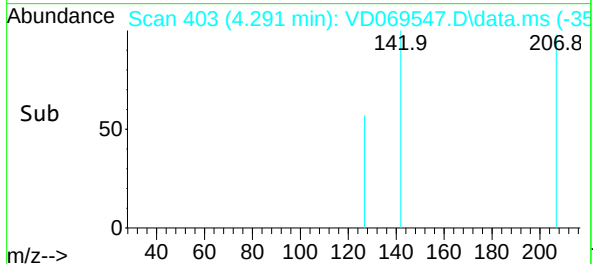


#10
Methyl Iodide
Concen: 4.020 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

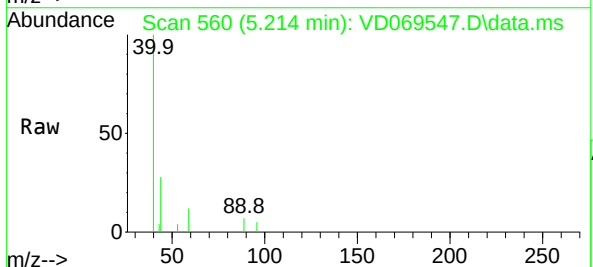
Instrument :
MSVOA_D
ClientSampleId :



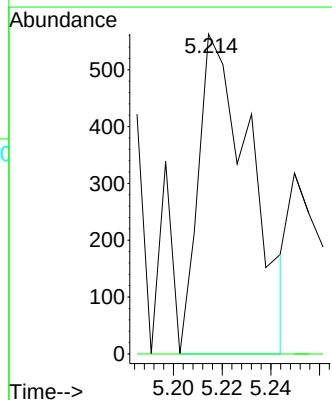
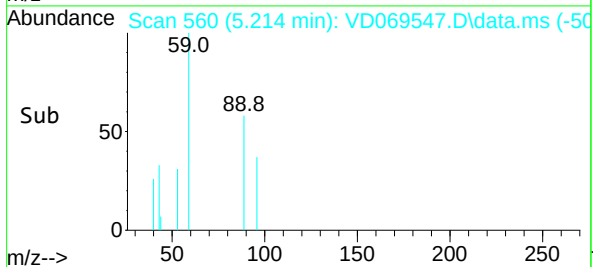
Tgt Ion:142 Resp: 546
Ion Ratio Lower Upper
142 100
127 27.7 36.5 54.7#
141 0.0 12.0 18.0#

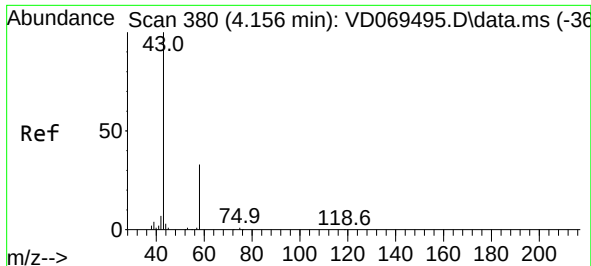


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.001 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14



Tgt Ion: 59 Resp: 836
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

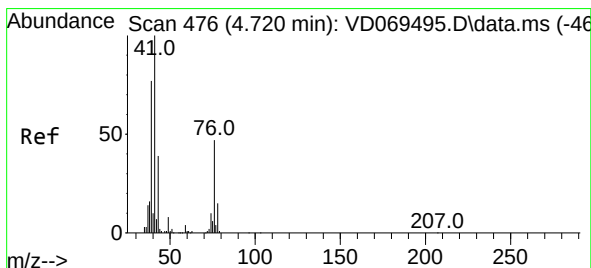
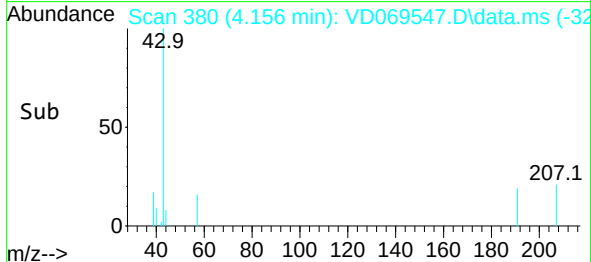
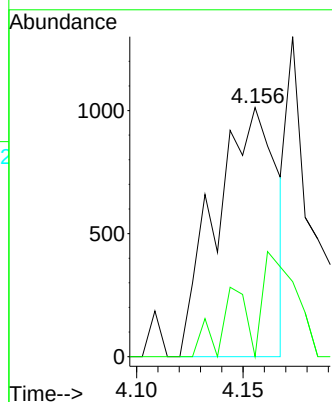
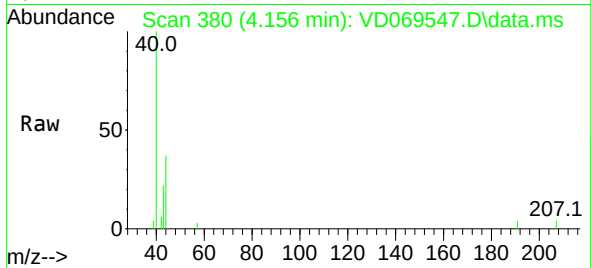




#16
Acetone
Concen: 1.602 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

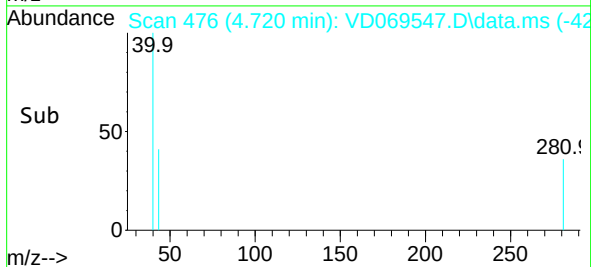
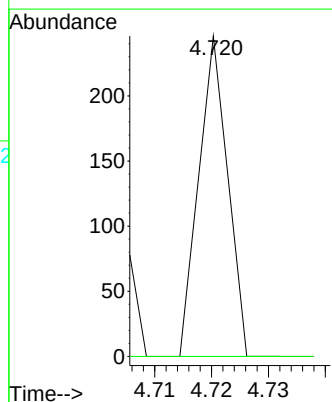
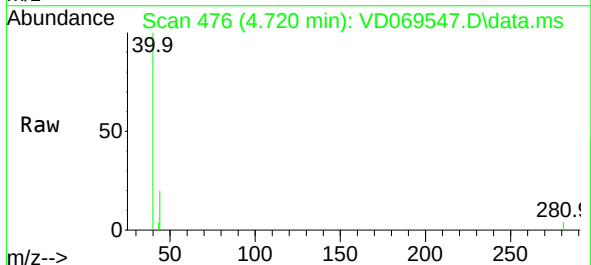
Instrument :
MSVOA_D
ClientSampleId :

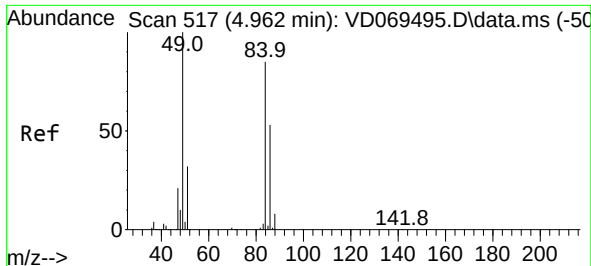
Tgt Ion: 43 Resp: 2017
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD069547.D

Acq: 23 Jun 2021 16:14

Tgt Ion: 84 Resp: 17825

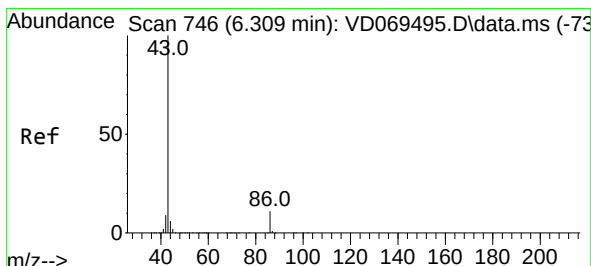
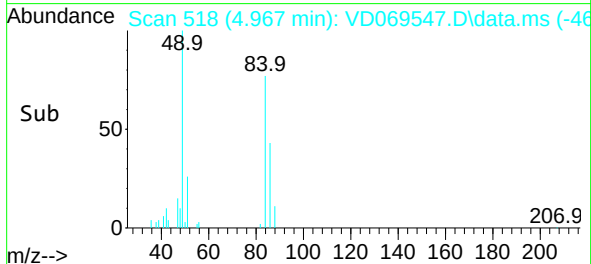
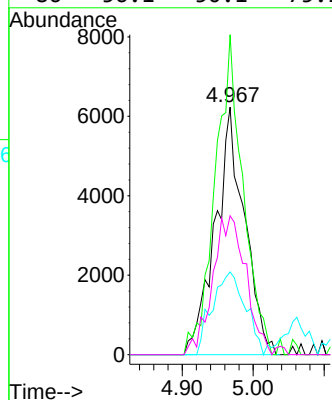
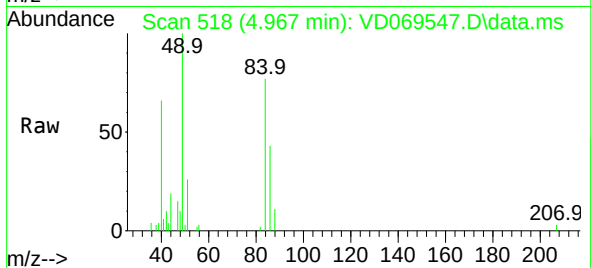
Ion Ratio Lower Upper

84 100

49 129.2 94.0 141.0

51 33.4 29.7 44.5

86 56.1 50.1 75.1



#23

Vinyl Acetate

Concen: 19.015 ug/l

RT: 6.244 min Scan# 735

Delta R.T. -0.065 min

Lab File: VD069547.D

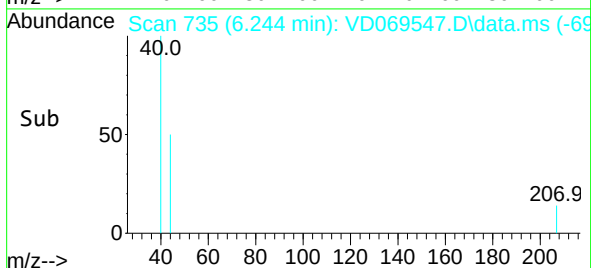
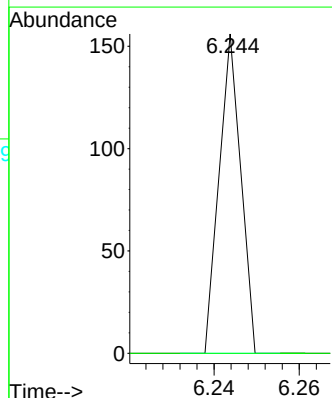
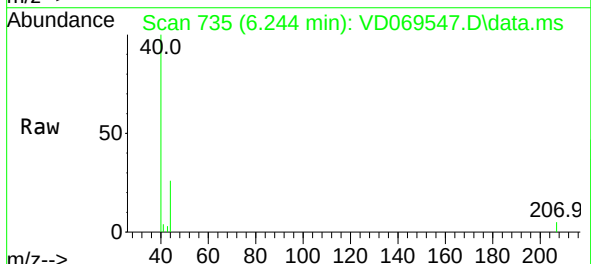
Acq: 23 Jun 2021 16:14

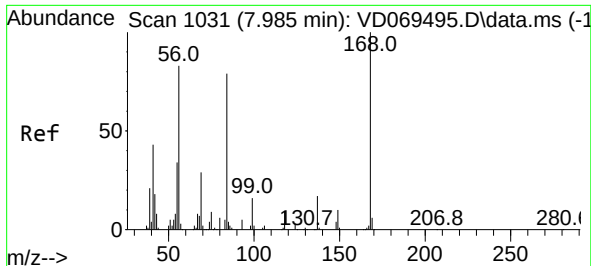
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#

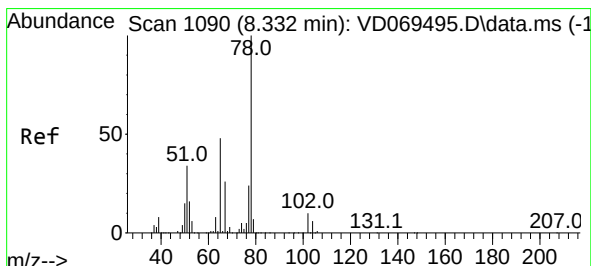
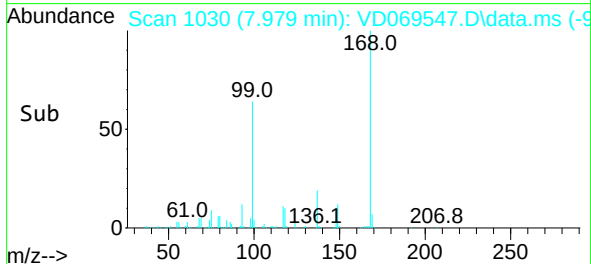
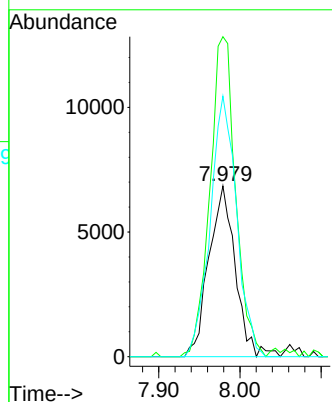
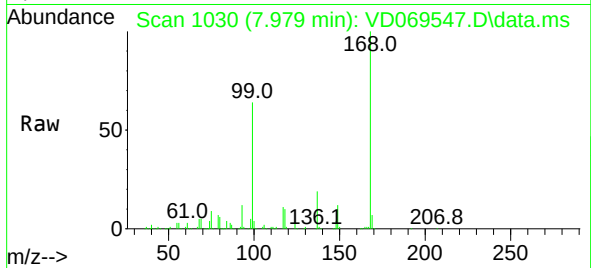




#31
Cyclohexane
Concen: 1.543 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

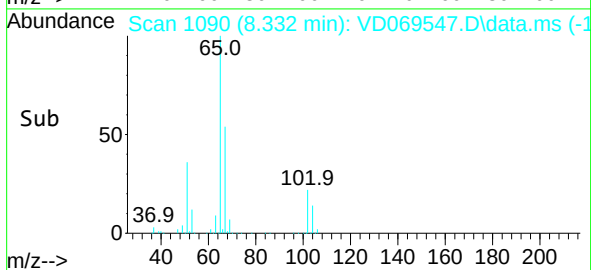
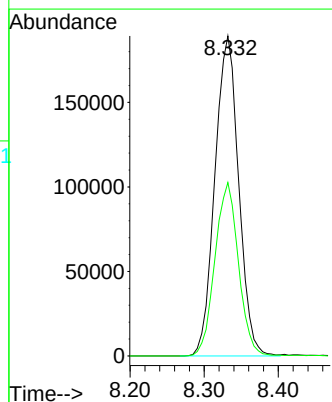
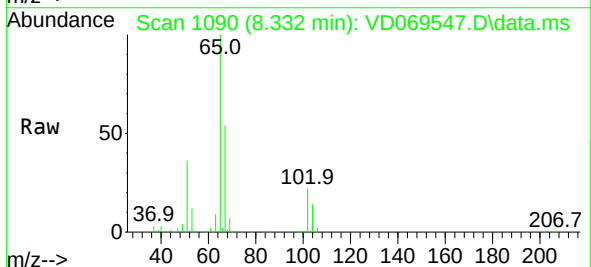
Instrument :
MSVOA_D
ClientSampleId :

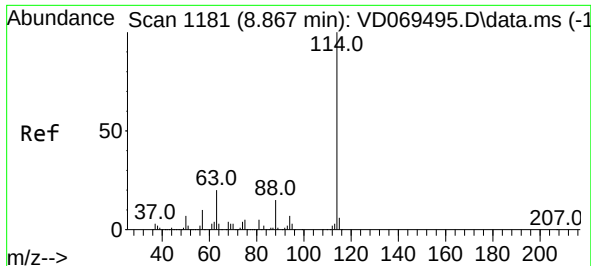
Tgt Ion: 56 Resp: 15534
Ion Ratio Lower Upper
56 100
69 187.4 28.0 42.0#
84 152.6 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 56.397 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

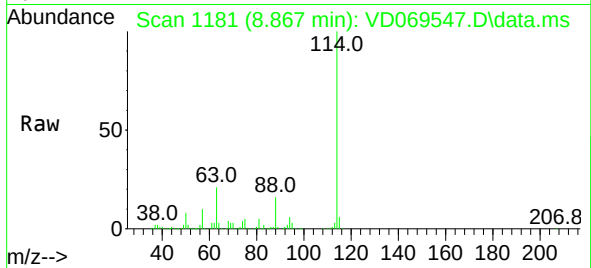
Tgt Ion: 65 Resp: 421776
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.6



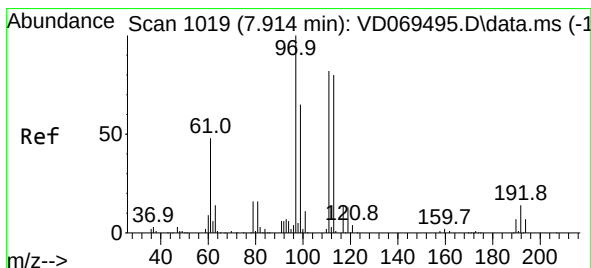
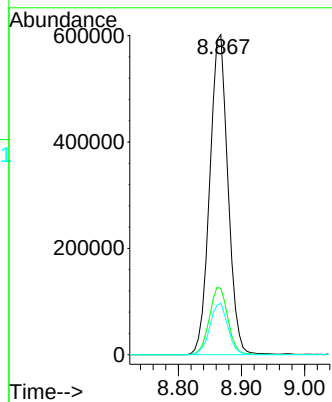
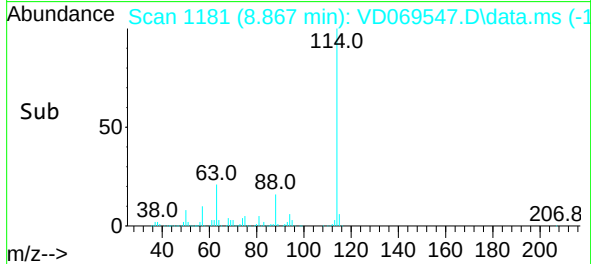


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

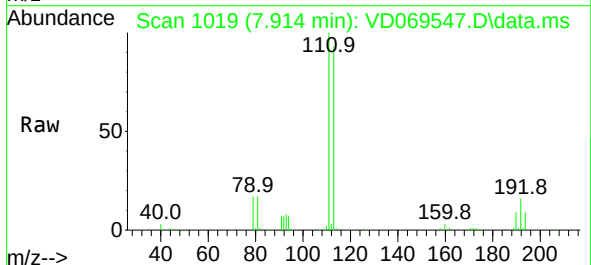
Instrument :
MSVOA_D
ClientSampleId :



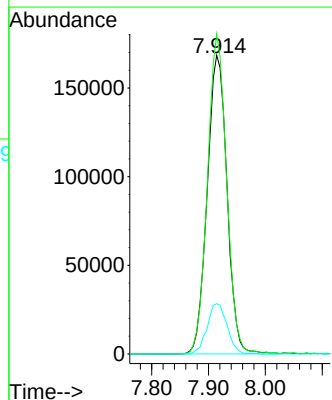
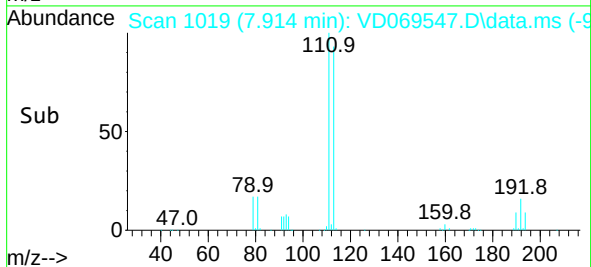
Tgt Ion:114 Resp: 1204411
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 16.0 0.0 29.8

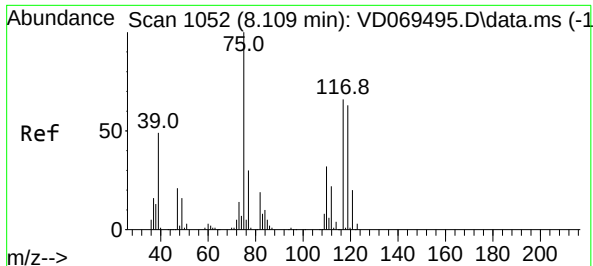


#35
Dibromofluoromethane
Concen: 50.124 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14



Tgt Ion:113 Resp: 408092
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 16.9 13.8 20.6

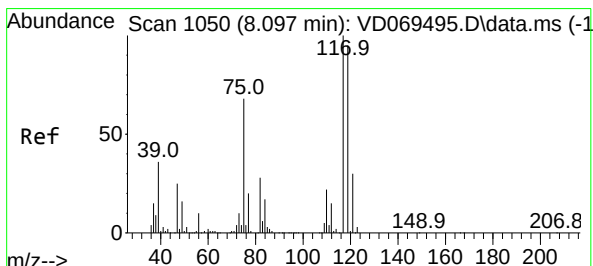
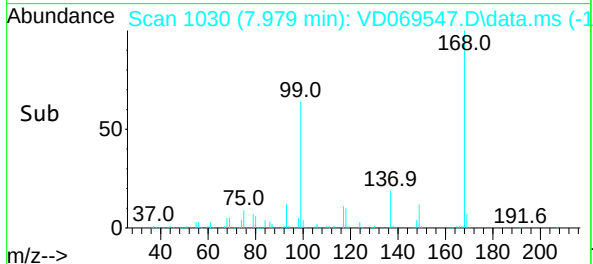
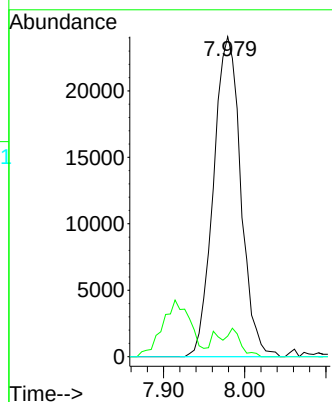
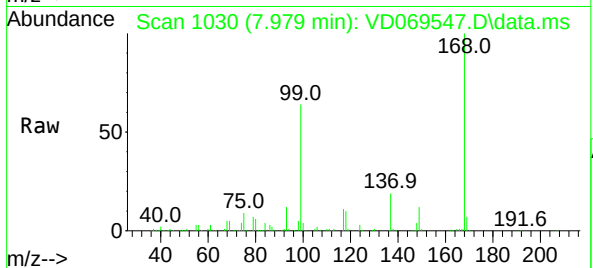




#36
1,1-Dichloropropene
Concen: 4.762 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

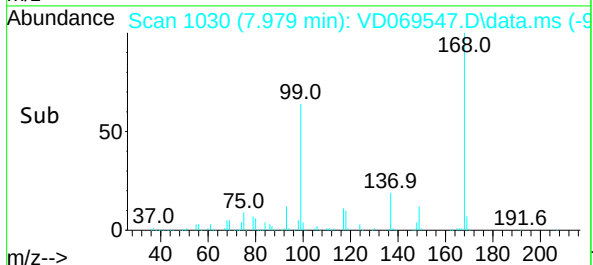
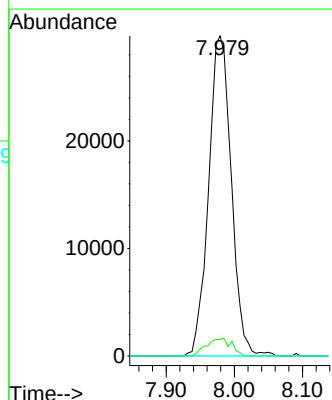
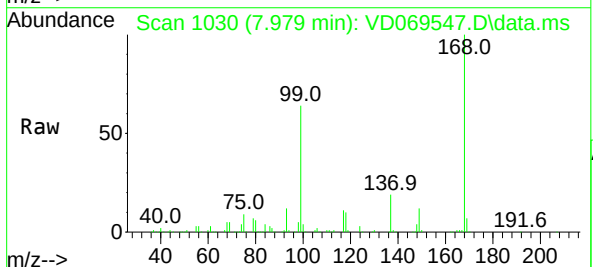
Instrument :
MSVOA_D
ClientSampleId :

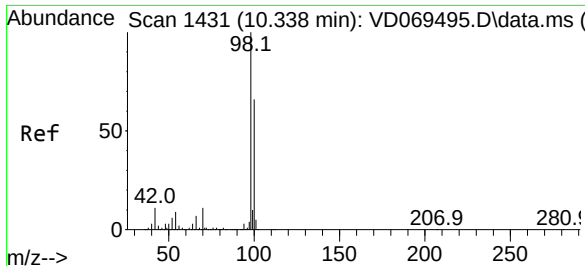
Tgt Ion: 75 Resp: 56293
Ion Ratio Lower Upper
75 100
110 4.4 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

Tgt Ion: 117 Resp: 69035
Ion Ratio Lower Upper
117 100
119 5.1 75.6 113.4#
121 0.0 23.8 35.8#

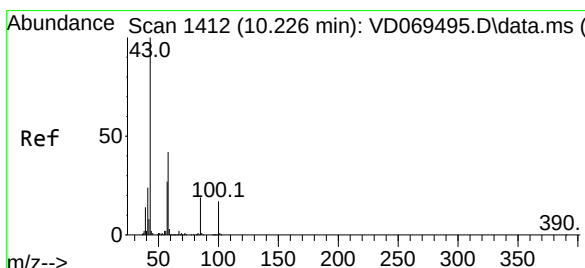
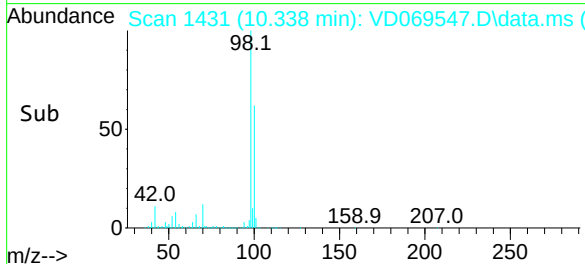
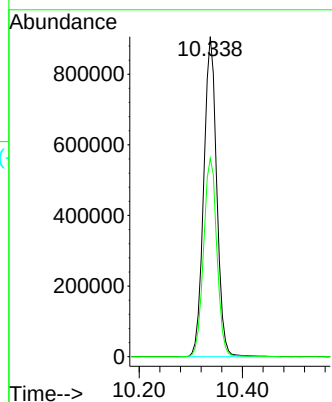
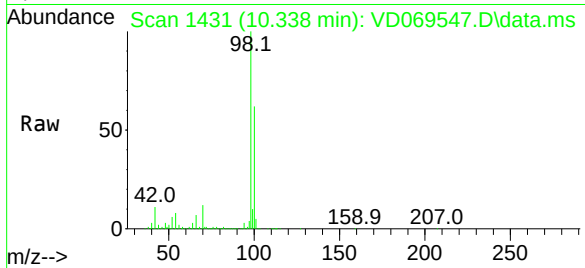




#50
Toluene-d8
Concen: 51.696 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

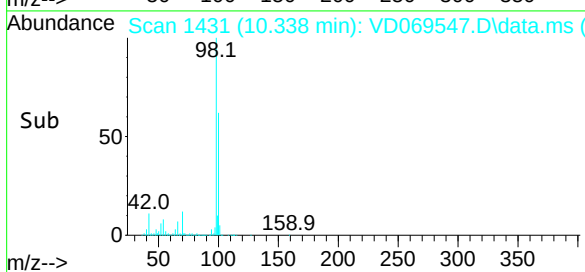
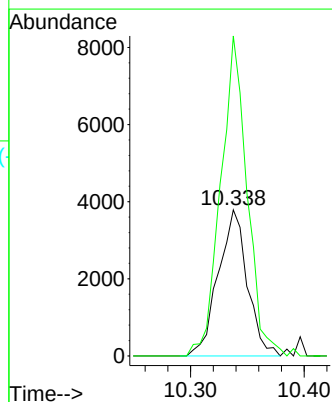
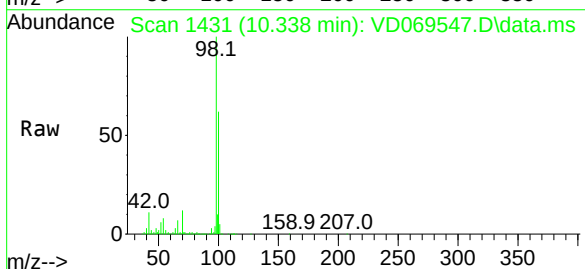
Instrument :
MSVOA_D
ClientSampled :

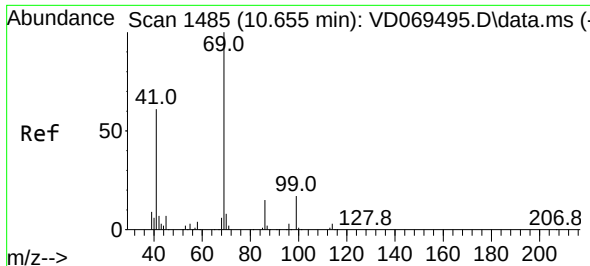
Tgt Ion: 98 Resp: 1578707
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.610 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

Tgt Ion: 43 Resp: 6748
Ion Ratio Lower Upper
43 100
58 199.6 33.6 50.4#

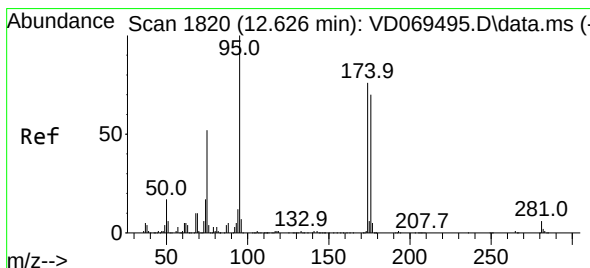
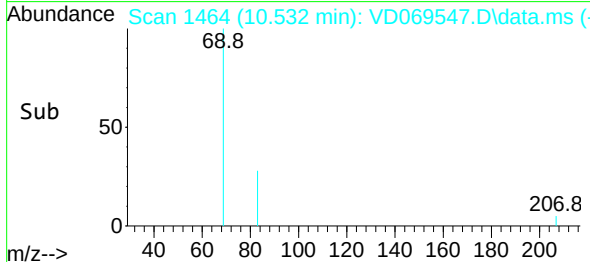
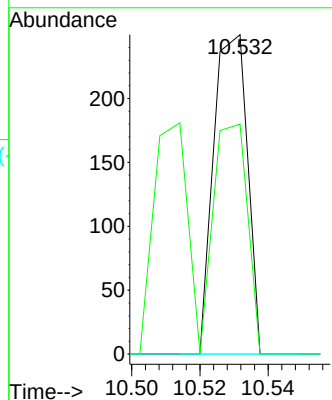
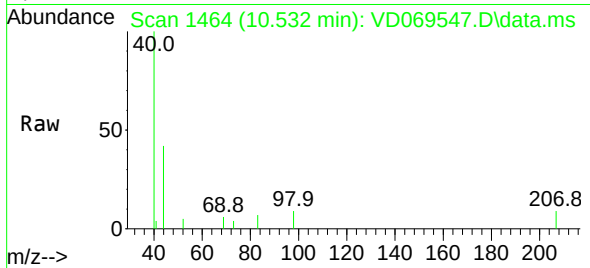




#56
Ethyl methacrylate
Concen: 2.603 ug/l
RT: 10.532 min Scan# 1464
Delta R.T. -0.123 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

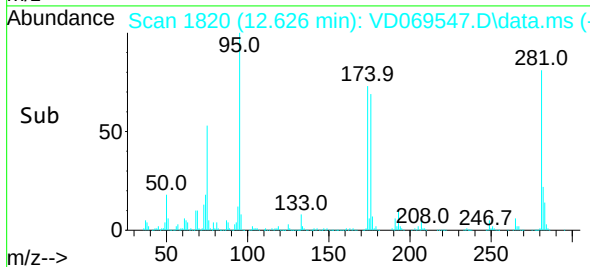
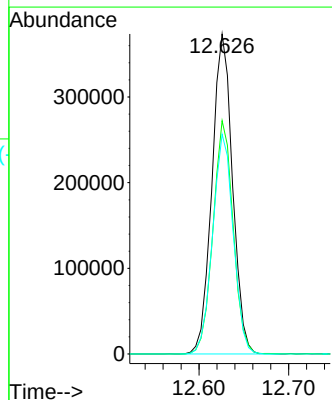
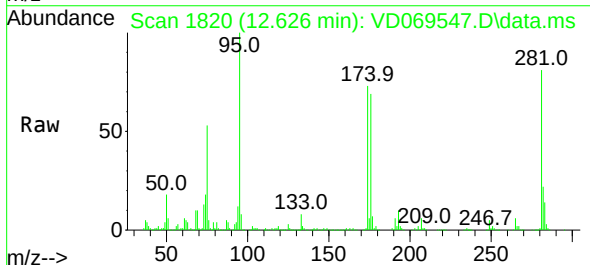
Instrument :
MSVOA_D
ClientSampleId :

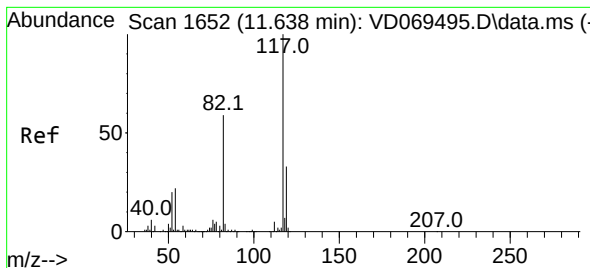
Tgt Ion: 69 Resp: 172
Ion Ratio Lower Upper
69 100
41 72.7 49.4 74.0
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 59.125 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

Tgt Ion: 95 Resp: 593598
Ion Ratio Lower Upper
95 100
174 71.4 0.0 148.0
176 68.9 0.0 139.8

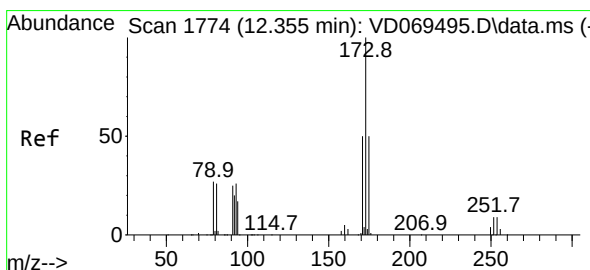
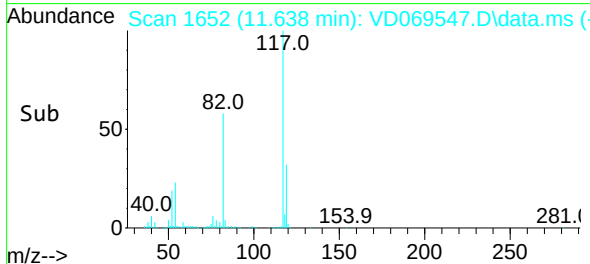
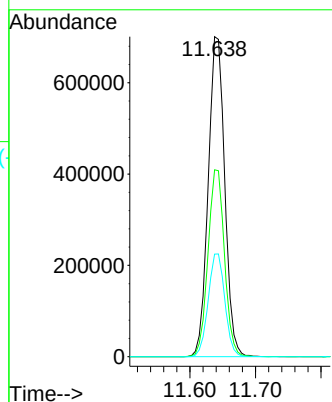
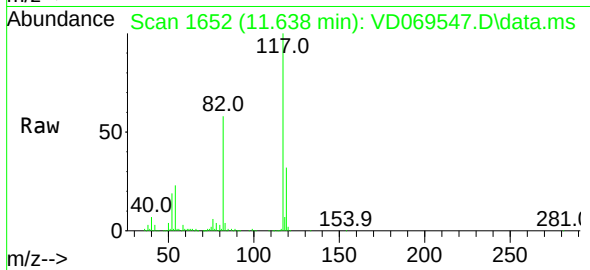




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

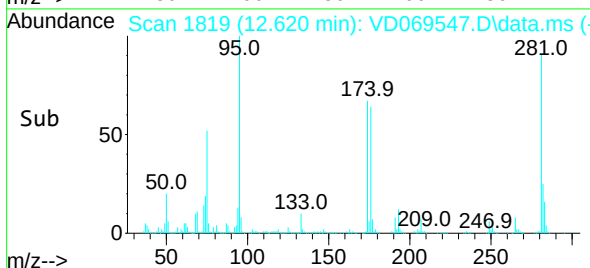
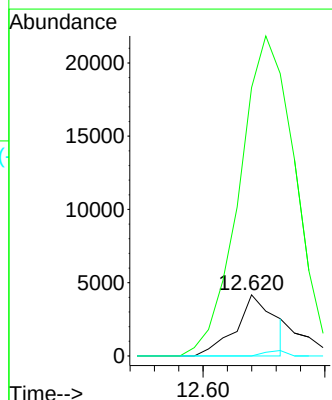
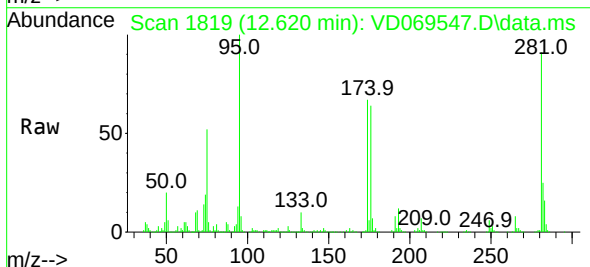
Instrument :
MSVOA_D
ClientSampleId :

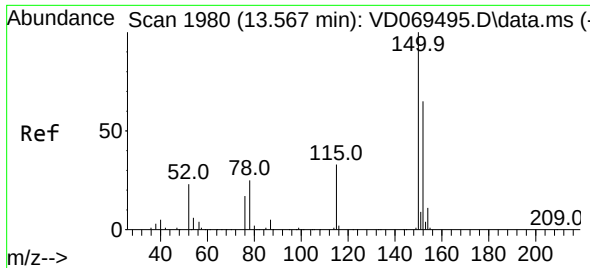
Tgt Ion:117 Resp: 1228431
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 32.1 26.2 39.2



#71
Bromoform
Concen: 1.032 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069547.D
Acq: 23 Jun 2021 16:14

Tgt Ion:173 Resp: 4645
Ion Ratio Lower Upper
173 100
175 585.9 24.6 73.8#
254 0.0 0.1 0.1#

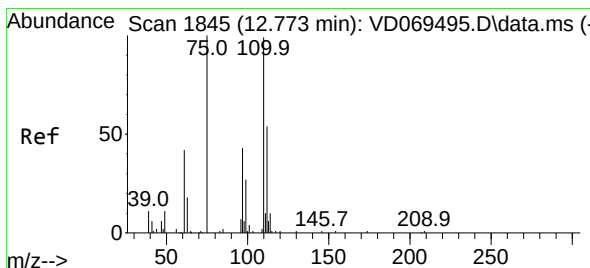
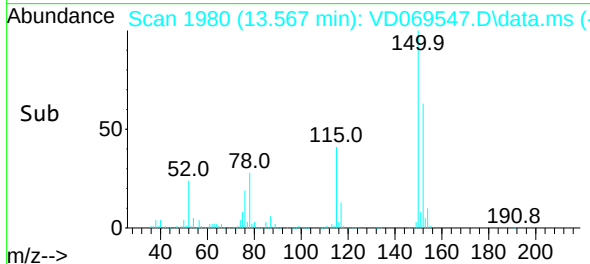
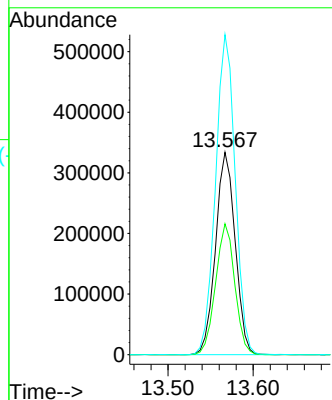
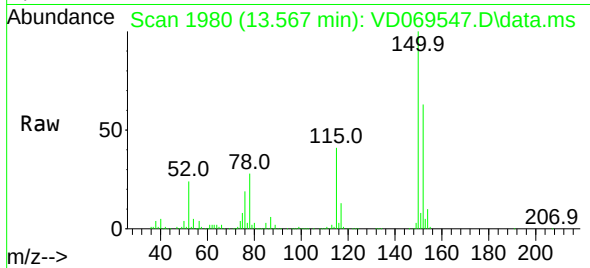




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069547.D
 Acq: 23 Jun 2021 16:14

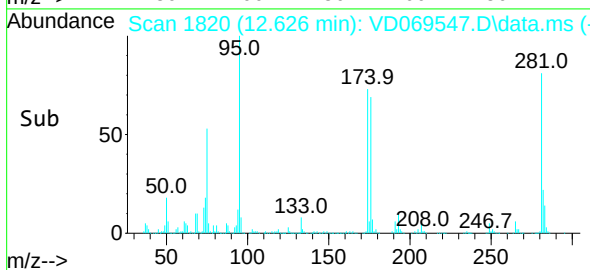
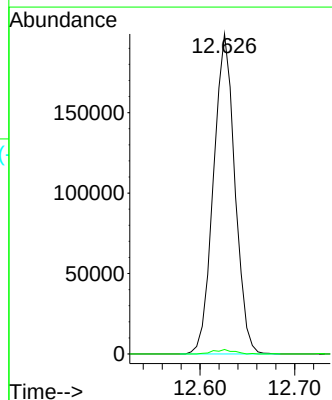
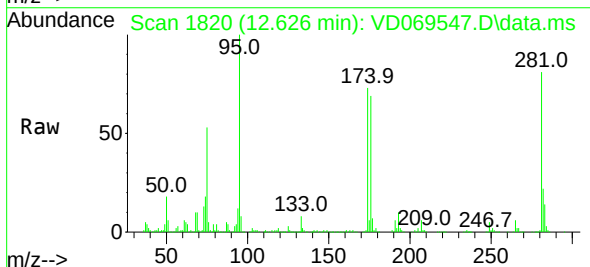
Instrument :
 MSVOA_D
 ClientSampleId :

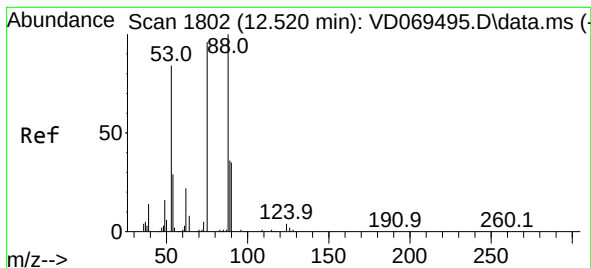
Tgt Ion:152 Resp: 535673
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.7 95.1
 150 158.7 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 59.328 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069547.D
 Acq: 23 Jun 2021 16:14

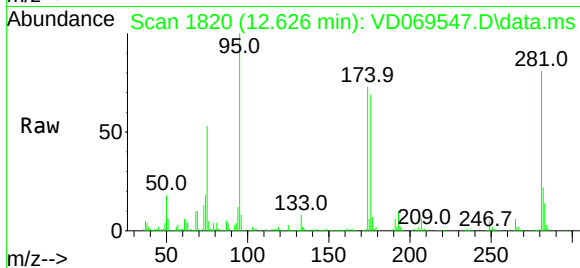
Tgt Ion: 75 Resp: 311964
 Ion Ratio Lower Upper
 75 100
 77 1.4 162.6 487.8#



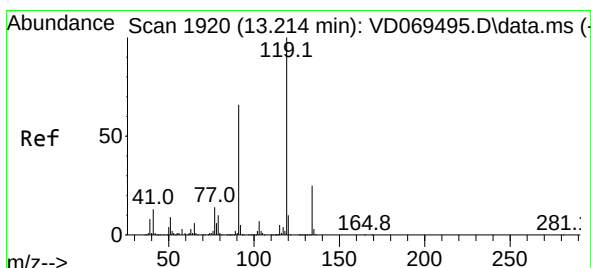
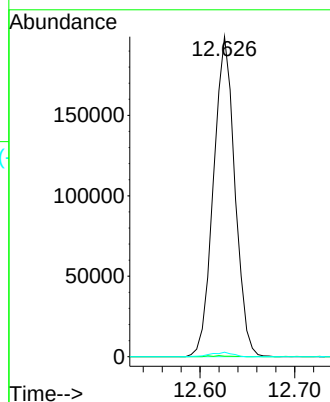
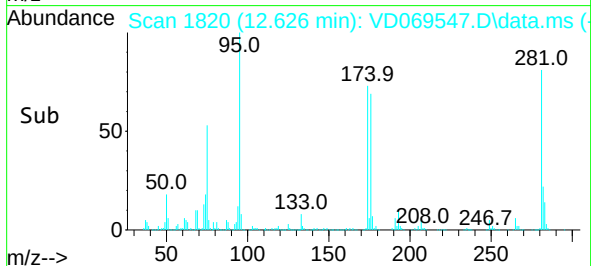


#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.133 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069547.D
 Acq: 23 Jun 2021 16:14

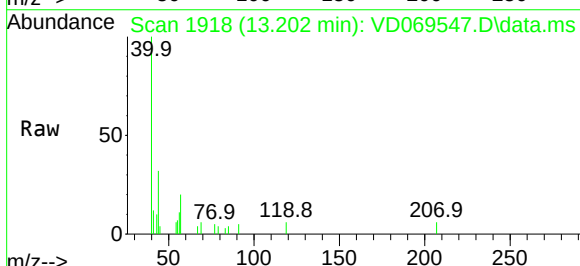
Instrument :
 MSVOA_D
 ClientSampleId :



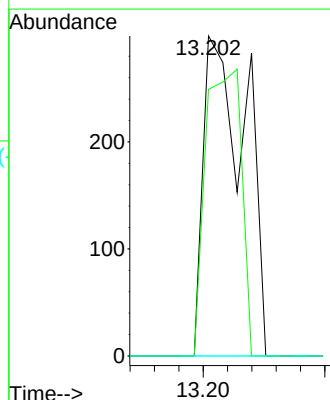
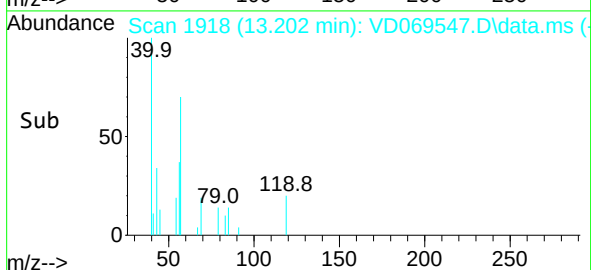
Tgt Ion: 75 Resp: 311964
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 1.4 35.3 52.9#

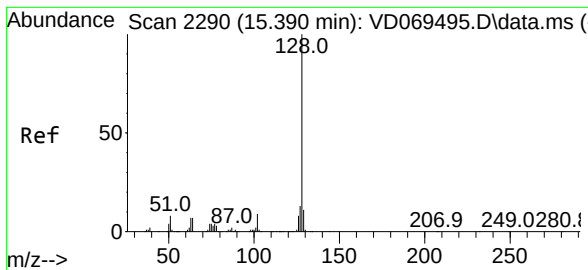


#83
 tert-Butylbenzene
 Concen: 2.005 ug/l
 RT: 13.202 min Scan# 1918
 Delta R.T. -0.012 min
 Lab File: VD069547.D
 Acq: 23 Jun 2021 16:14



Tgt Ion: 119 Resp: 356
 Ion Ratio Lower Upper
 119 100
 91 76.7 32.5 97.4
 134 0.0 12.9 38.7#





#95
 Naphthalene
 Concen: 3.476 ug/l
 RT: 15.384 min Scan# 2289
 Delta R.T. -0.006 min
 Lab File: VD069547.D
 Acq: 23 Jun 2021 16:14

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	2174
Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.6	16.0
129	2.6	8.7	13.1#

