

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069599.D
 Acq On : 06 Jul 2021 23:20
 Operator : VA/SY
 Sample : M2946-06
 Misc : 5.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6

Quant Time: Jul 07 04:57:25 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)

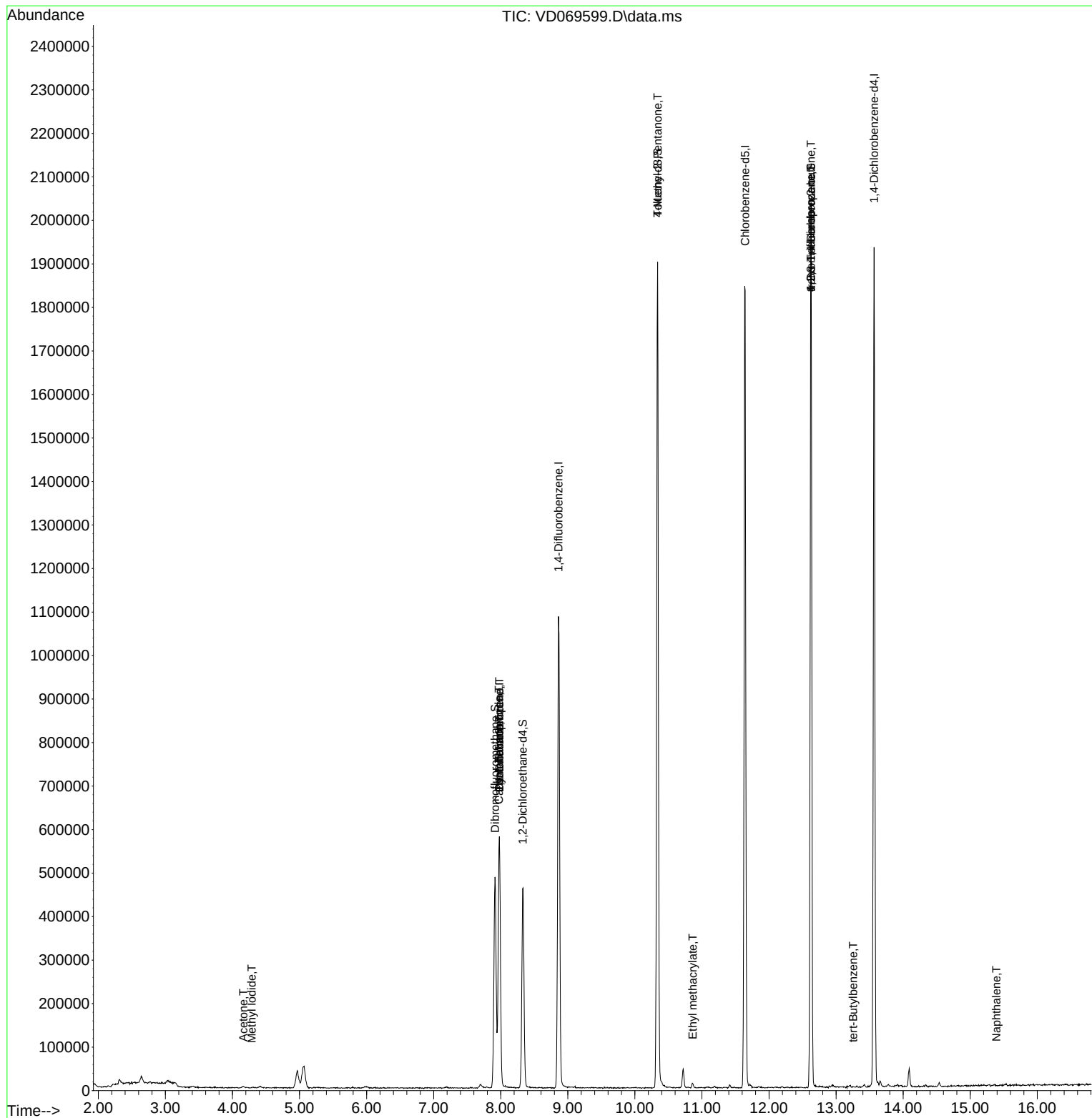
Internal Standards						
1) Pentafluorobenzene	7.979	168	407572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	930402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1077412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	487416	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	372564	73.335	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 146.660%	
35) Dibromofluoromethane	7.914	113	357579	56.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.700%	
50) Toluene-d8	10.338	98	1290415	54.700	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.400%	
62) 4-Bromofluorobenzene	12.626	95	514751	66.371	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 132.740%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1447	Below Cal	#	48
10) Methyl Iodide	4.285	142	202	3.984	ug/l #	76
11) Tert butyl alcohol	5.215	59	584	Below Cal	#	83
16) Acetone	4.162	43	4703	5.500	ug/l	95
18) Methyl Acetate	4.709	43	288	Below Cal	#	49
20) Methylene Chloride	4.968	84	29635	Below Cal		99
31) Cyclohexane	7.979	56	10038	1.467	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	39431	4.318	ug/l #	51
38) Carbon Tetrachloride	7.973	117	42720	4.727	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	6065	1.874	ug/l #	1
56) Ethyl methacrylate	10.861	69	719	2.697	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	264565	55.295	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	264565	138.064	ug/l #	12
83) tert-Butylbenzene	13.255	119	118	1.997	ug/l #	27
95) Naphthalene	15.391	128	173	3.365	ug/l #	51

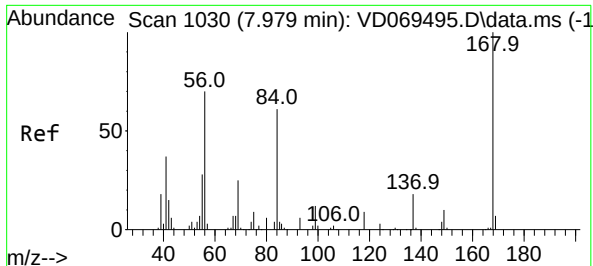
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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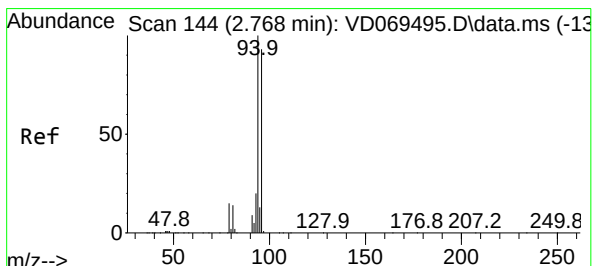
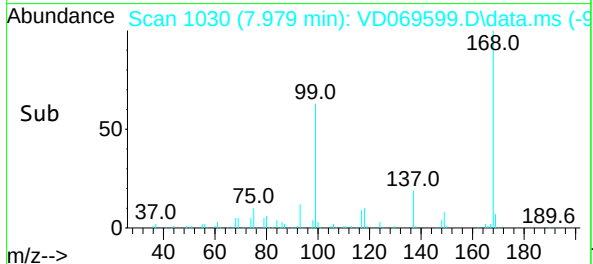
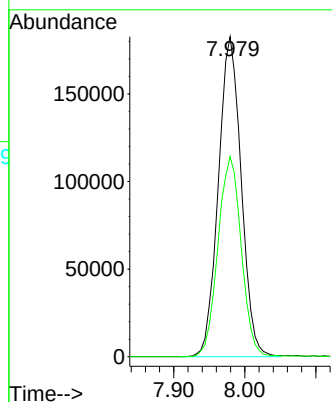
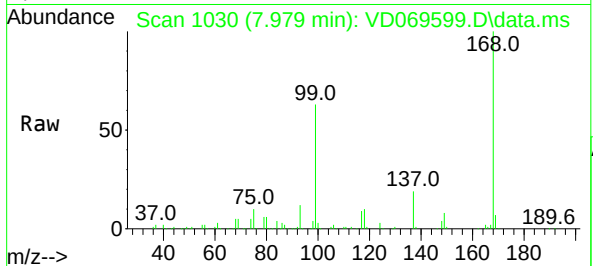




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

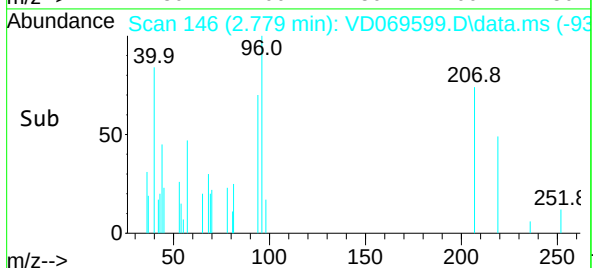
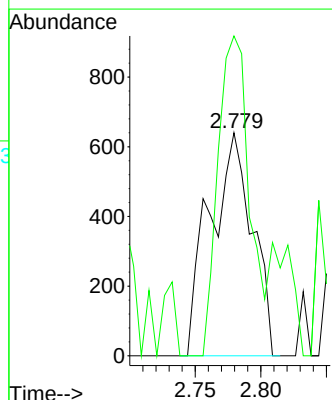
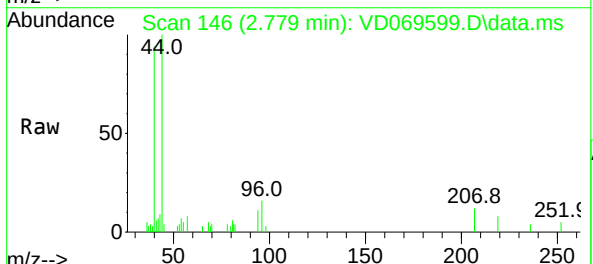
Instrument :
MSVOA_D
ClientSampleId :
SB-6

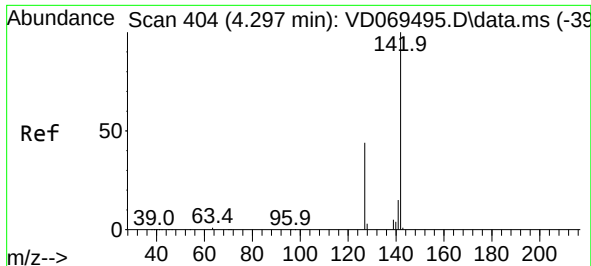
Tgt Ion:168 Resp: 407572
Ion Ratio Lower Upper
168 100
99 62.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

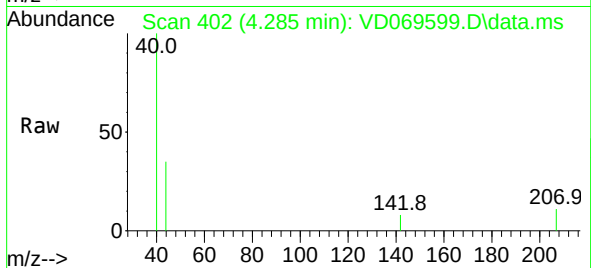
Tgt Ion: 94 Resp: 1447
Ion Ratio Lower Upper
94 100
96 143.4 74.6 111.8#



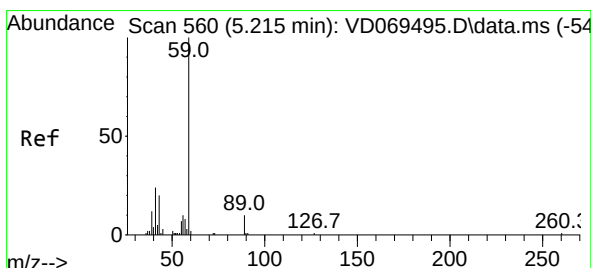
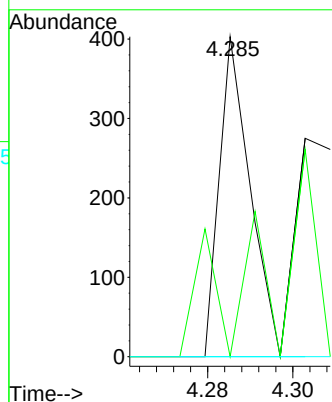
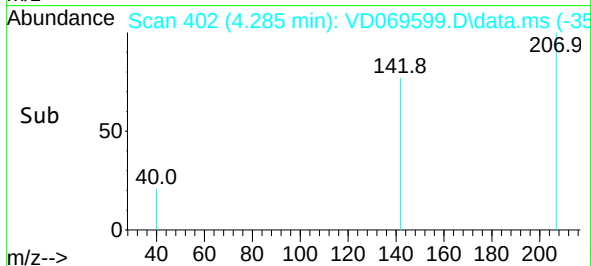


#10
Methyl Iodide
Concen: 3.984 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

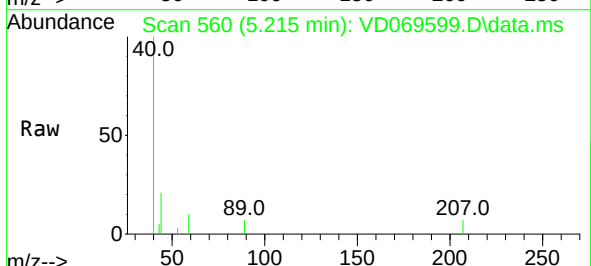
Instrument :
MSVOA_D
ClientSampled :
SB-6



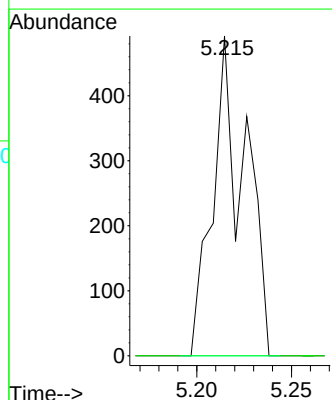
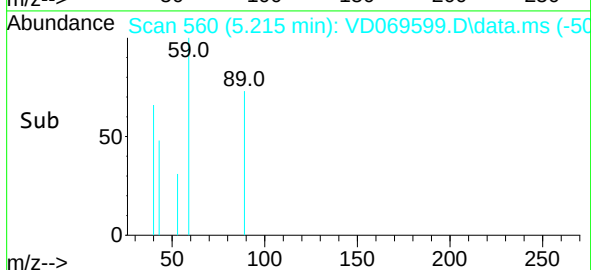
Tgt Ion:142 Resp: 202
Ion Ratio Lower Upper
142 100
127 32.2 36.5 54.7#
141 0.0 12.0 18.0#

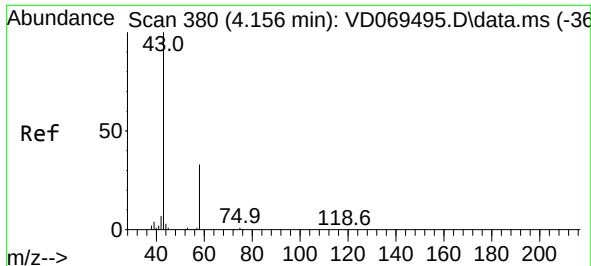


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.000 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20



Tgt Ion: 59 Resp: 584
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

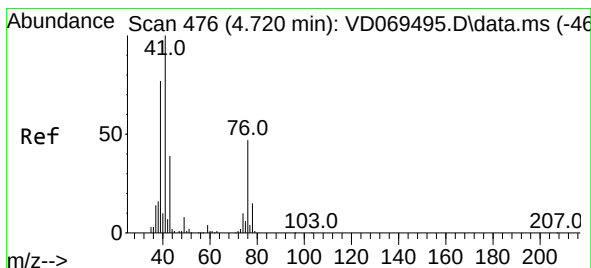
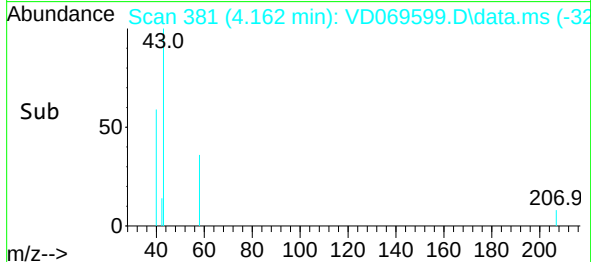
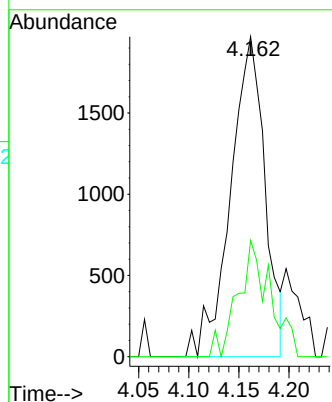
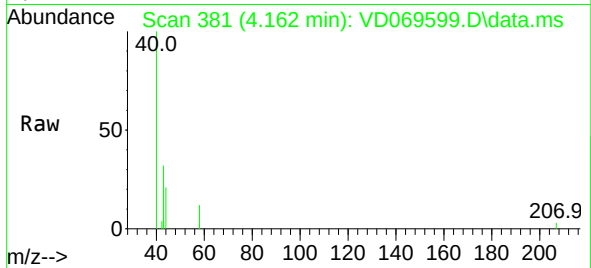




#16
Acetone
Concen: 5.500 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

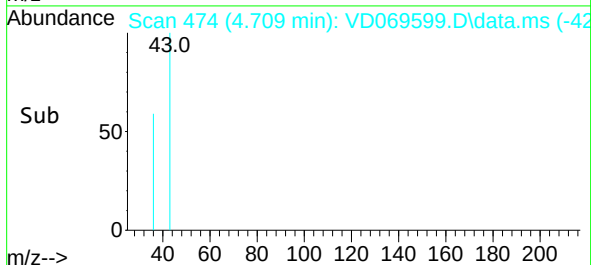
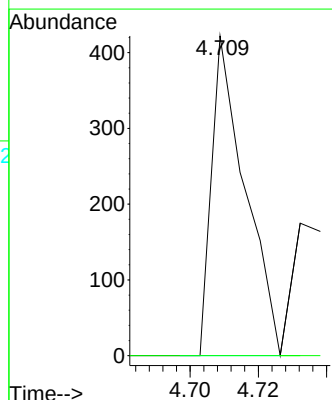
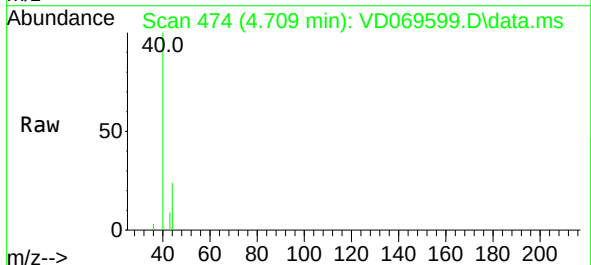
Instrument :
MSVOA_D
ClientSampleId :
SB-6

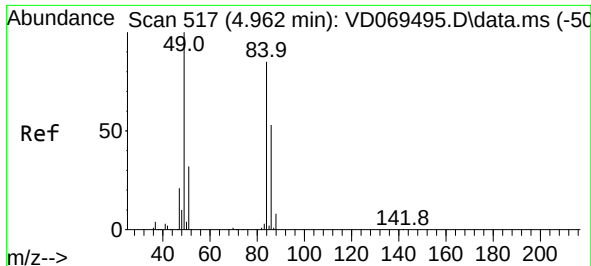
Tgt Ion: 43 Resp: 4703
Ion Ratio Lower Upper
43 100
58 36.3 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Tgt Ion: 43 Resp: 288
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

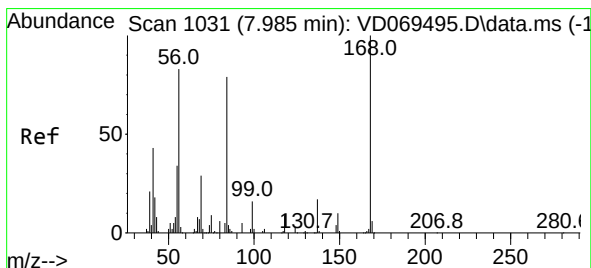
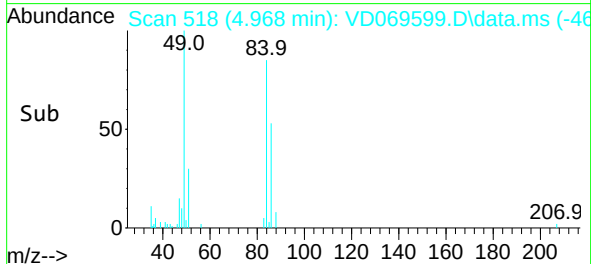
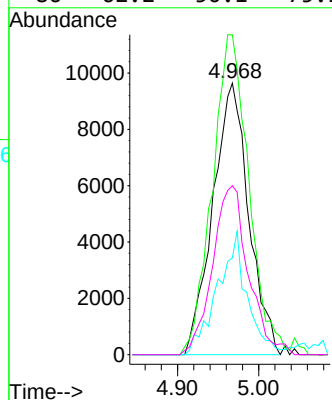
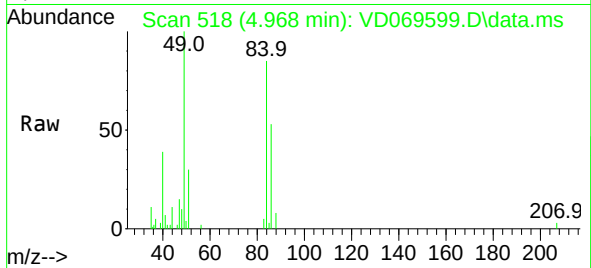




#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

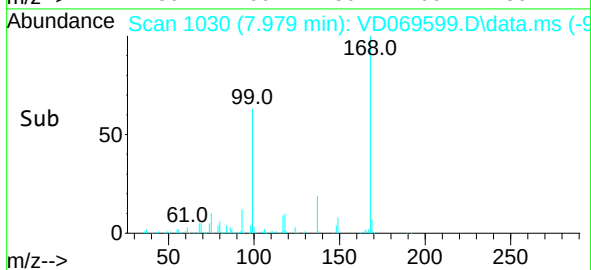
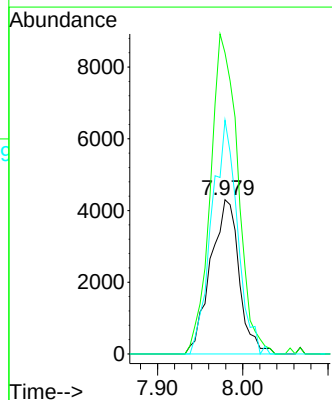
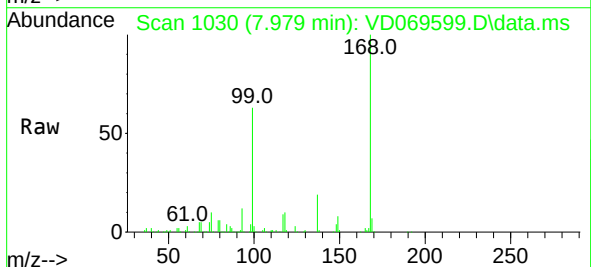
Instrument :
MSVOA_D
ClientSampleId :
SB-6

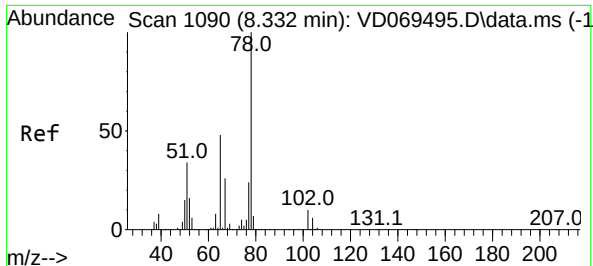
Tgt Ion:	84	Resp:	29635
Ion	Ratio	Lower	Upper
84	100		
49	117.8	94.0	141.0
51	35.6	29.7	44.5
86	62.2	50.1	75.1



#31
Cyclohexane
Concen: 1.467 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Tgt Ion:	56	Resp:	10038
Ion	Ratio	Lower	Upper
56	100		
69	195.3	28.0	42.0#
84	151.6	75.7	113.5#

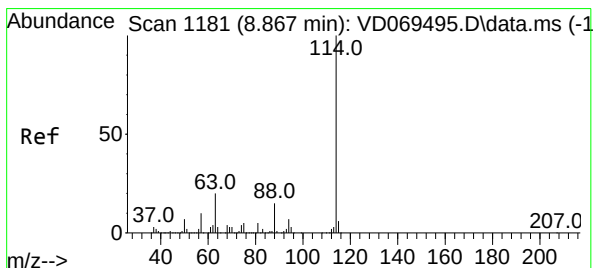
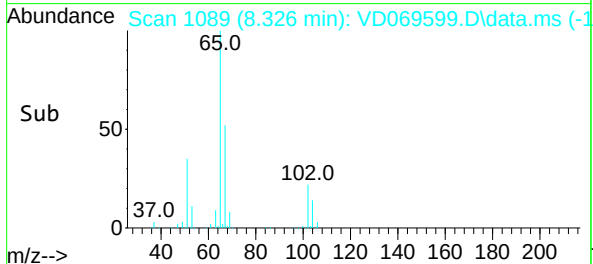
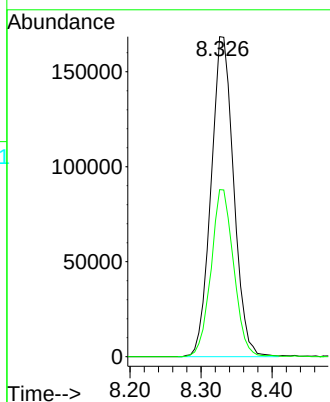
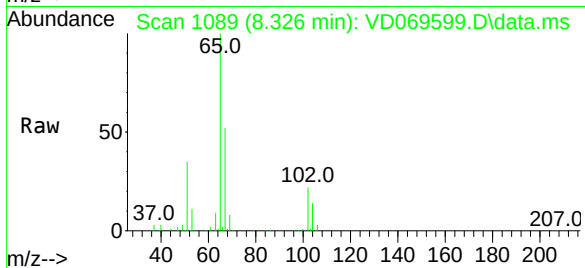




#33
1,2-Dichloroethane-d4
Concen: 73.335 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

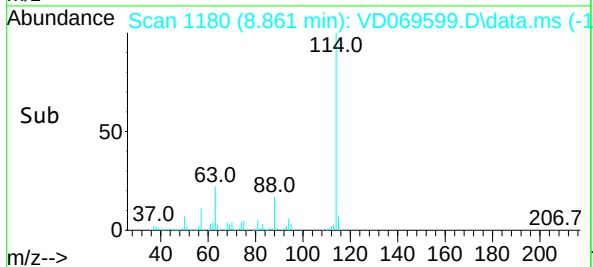
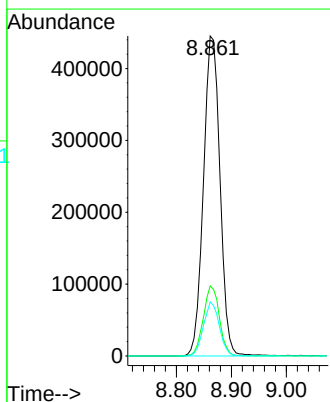
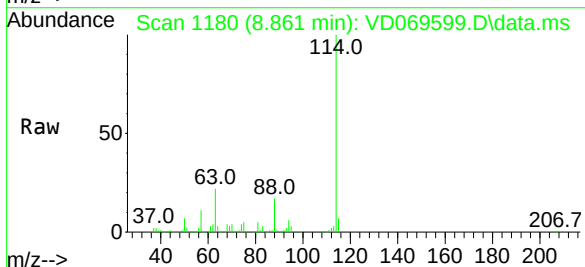
Instrument :
MSVOA_D
ClientSampleId :
SB-6

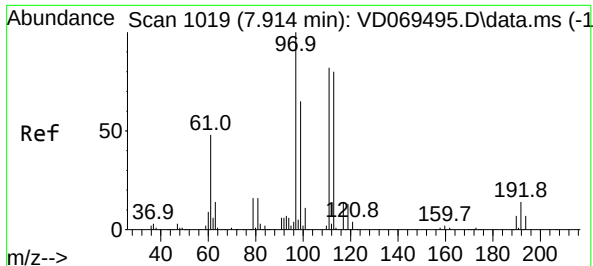
Tgt Ion: 65 Resp: 372564
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Tgt Ion: 114 Resp: 930402
Ion Ratio Lower Upper
114 100
63 21.9 0.0 39.6
88 16.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 56.855 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069599.D

Acq: 06 Jul 2021 23:20

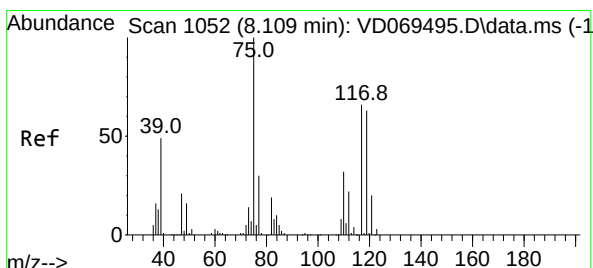
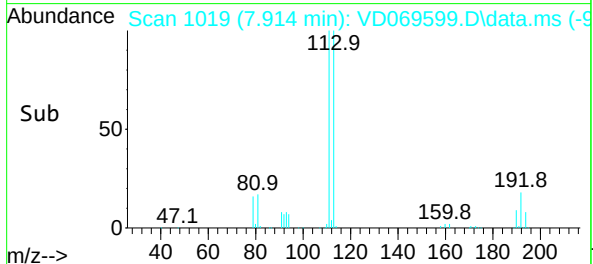
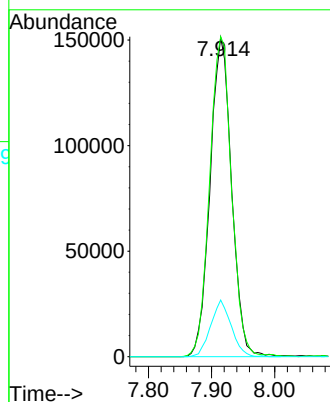
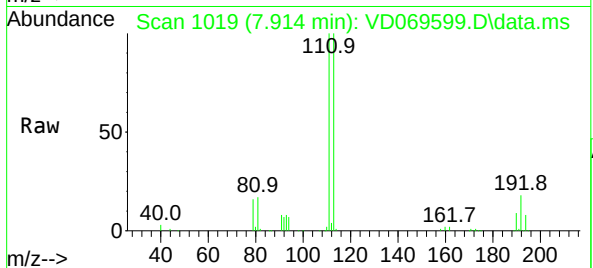
Tgt Ion:113 Resp: 357579

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 16.9 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.318 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069599.D

Acq: 06 Jul 2021 23:20

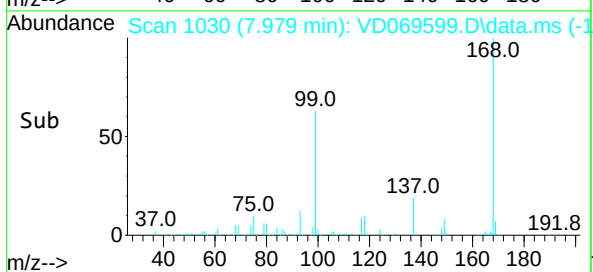
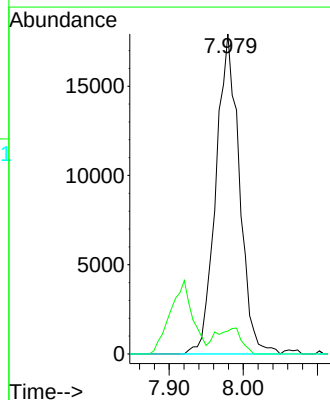
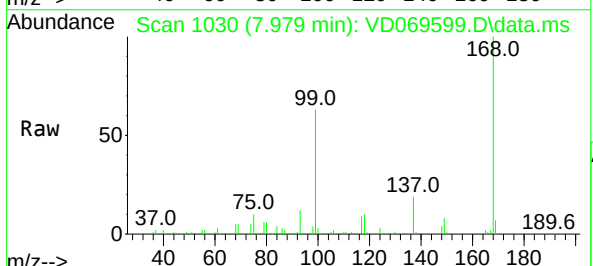
Tgt Ion: 75 Resp: 39431

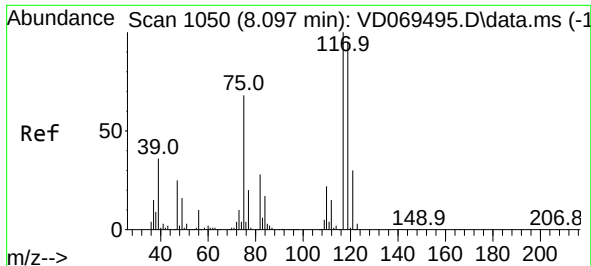
Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.4#

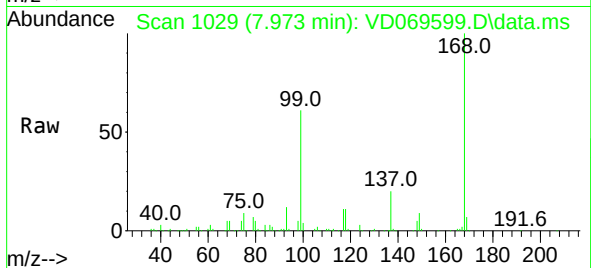
77 0.0 24.3 36.5#



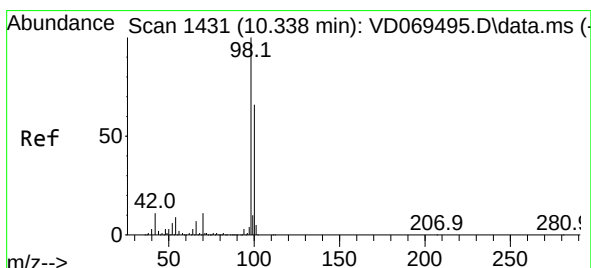
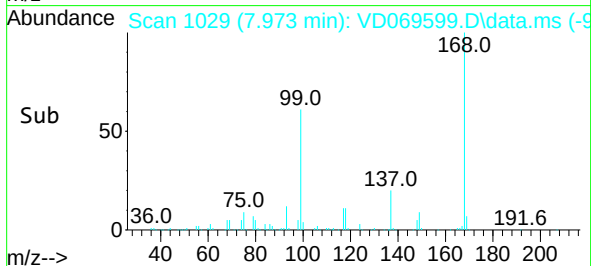
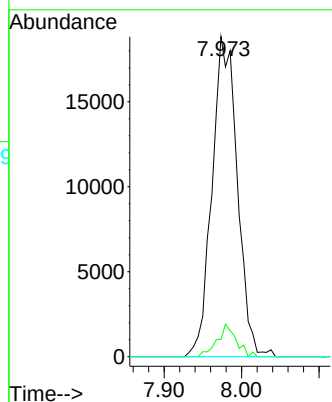


#38
Carbon Tetrachloride
Concen: 4.727 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Instrument :
MSVOA_D
ClientSampleId :
SB-6

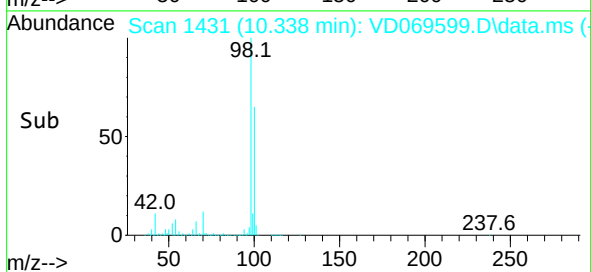
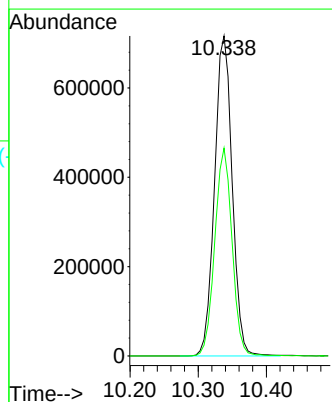
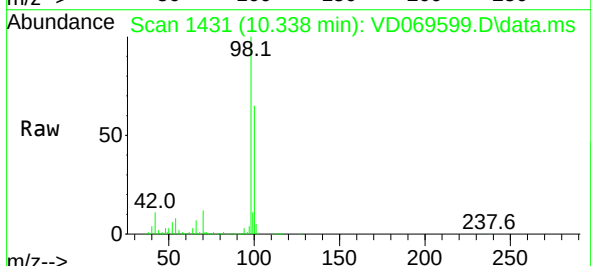


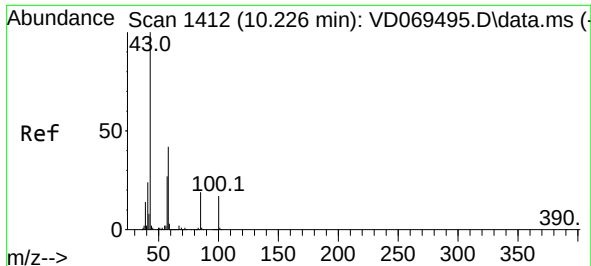
Tgt Ion:117 Resp: 42720
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 54.700 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Tgt Ion: 98 Resp: 1290415
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5

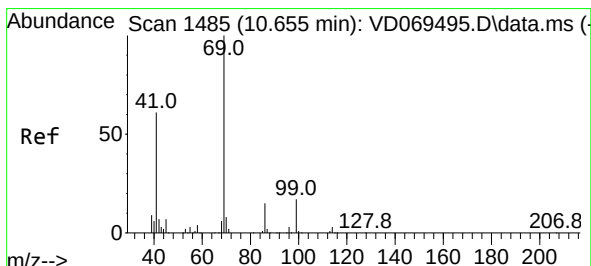
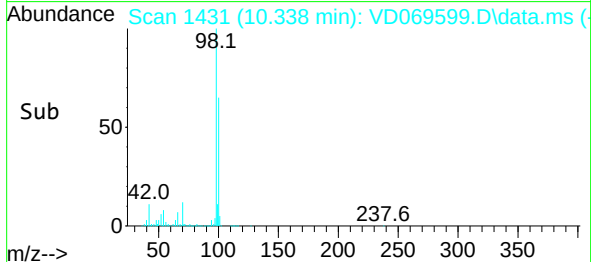
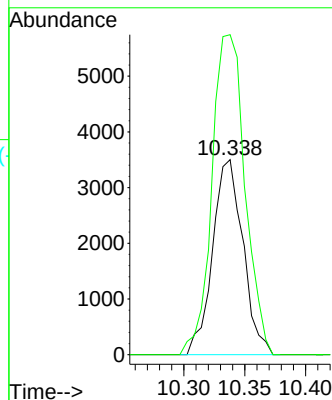
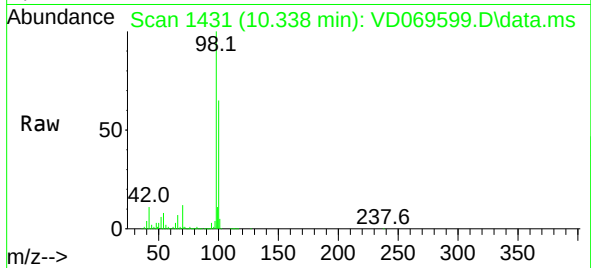




#51
4-Methyl-2-Pentanone
Concen: 1.874 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

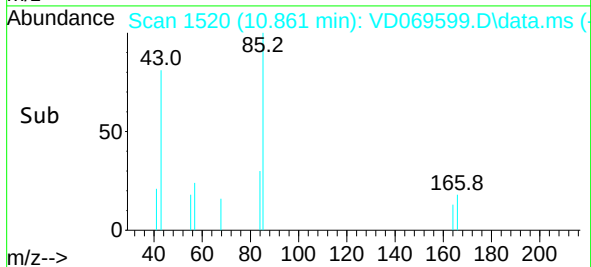
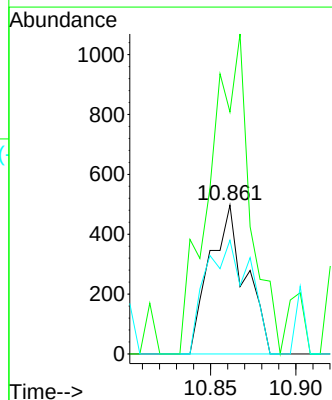
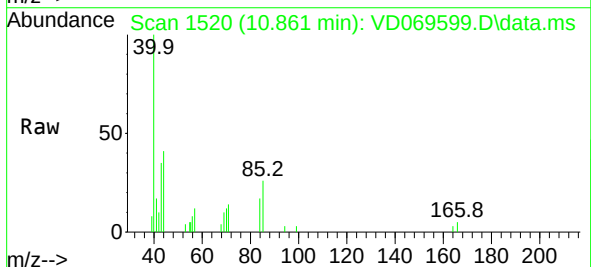
Instrument :
MSVOA_D
ClientSampled :
SB-6

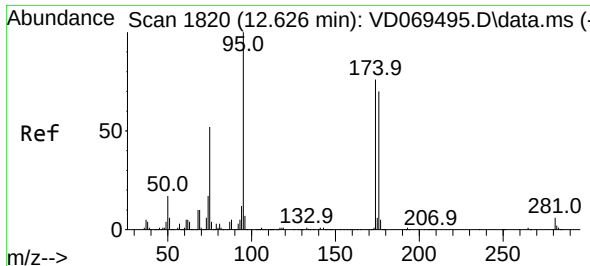
Tgt Ion: 43 Resp: 6065
Ion Ratio Lower Upper
43 100
58 178.8 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.697 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. 0.206 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Tgt Ion: 69 Resp: 719
Ion Ratio Lower Upper
69 100
41 244.6 49.4 74.0#
39 94.4 26.9 40.3#

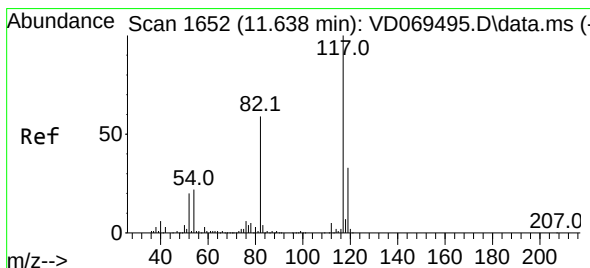
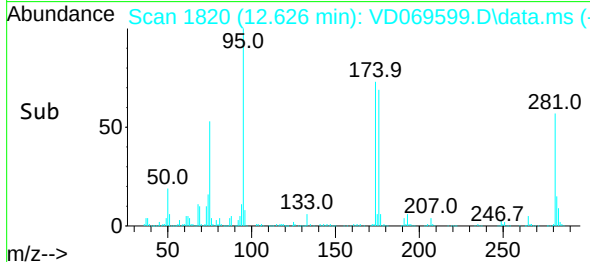
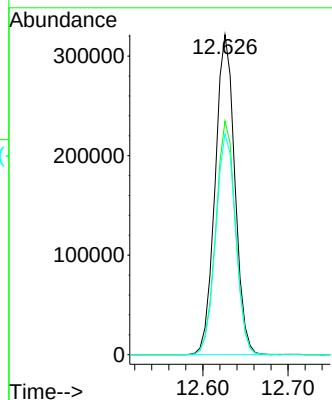
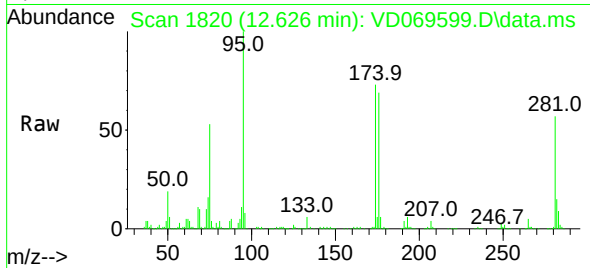




#62
4-Bromofluorobenzene
Concen: 66.371 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

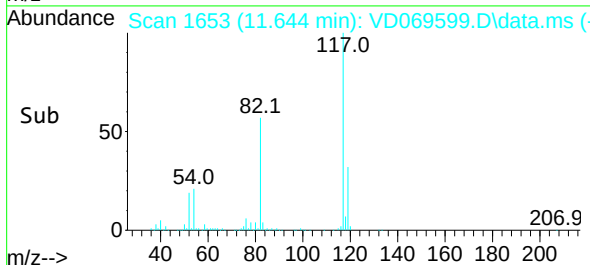
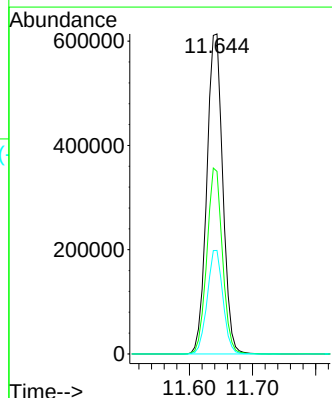
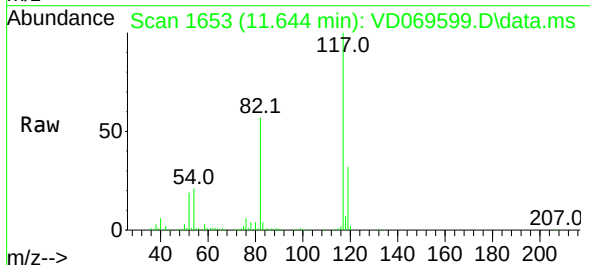
Instrument :
MSVOA_D
ClientSampled :
SB-6

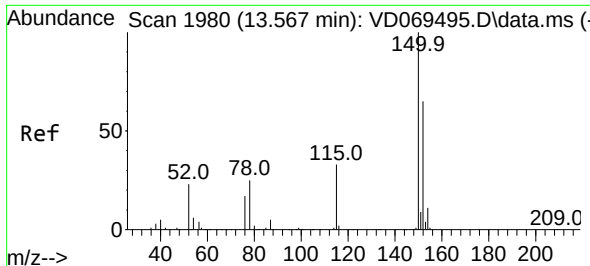
Tgt Ion: 95 Resp: 514751
Ion Ratio Lower Upper
95 100
174 73.0 0.0 148.0
176 70.2 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Tgt Ion: 117 Resp: 1077412
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 32.4 26.2 39.2

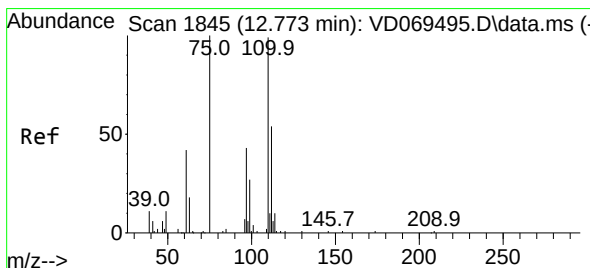
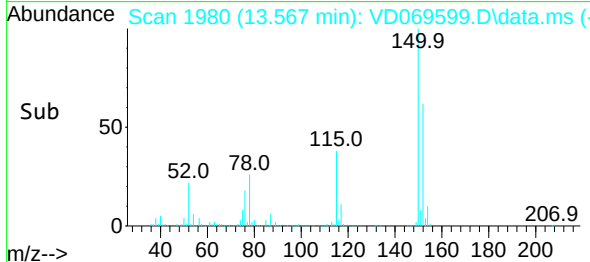
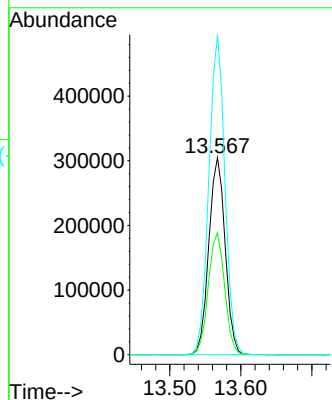
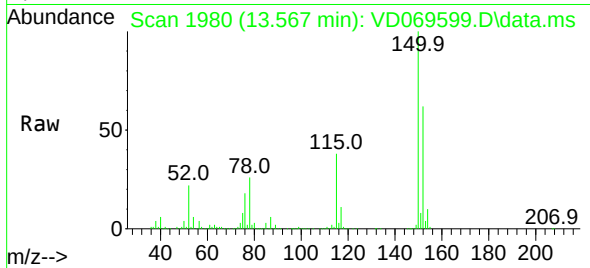




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

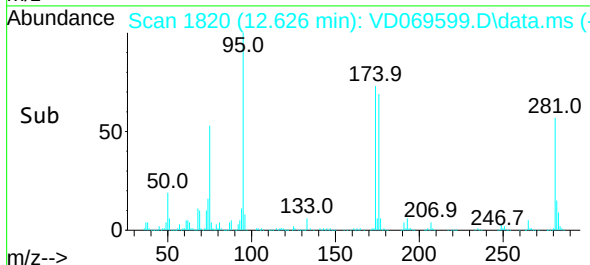
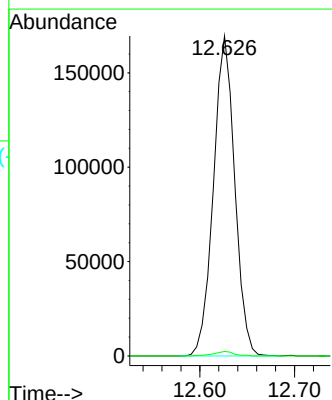
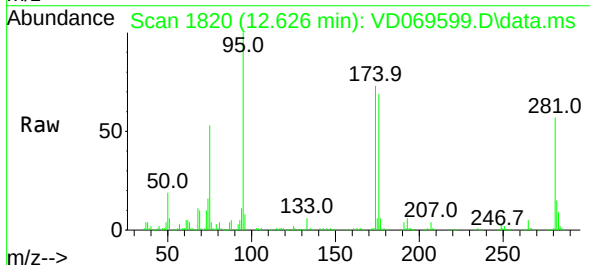
Instrument :
MSVOA_D
ClientSampleId :
SB-6

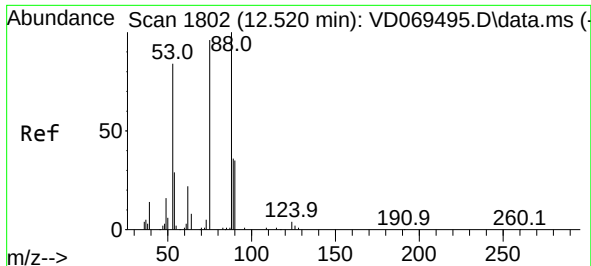
Tgt Ion:152 Resp: 487416
Ion Ratio Lower Upper
152 100
115 61.9 31.7 95.1
150 159.2 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 55.295 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

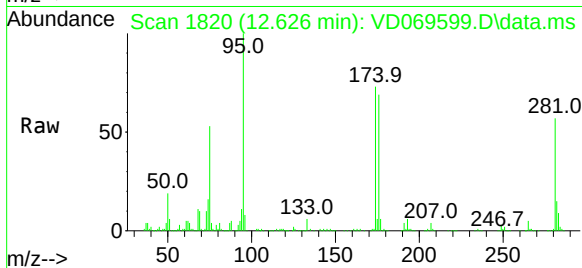
Tgt Ion: 75 Resp: 264565
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



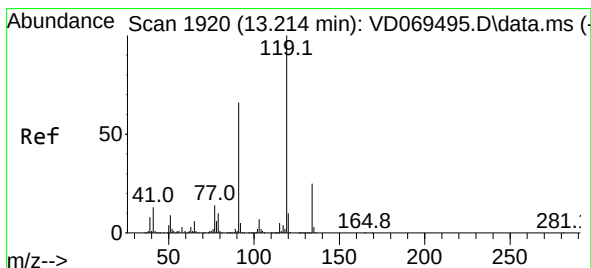
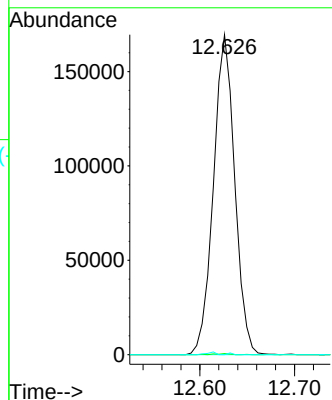
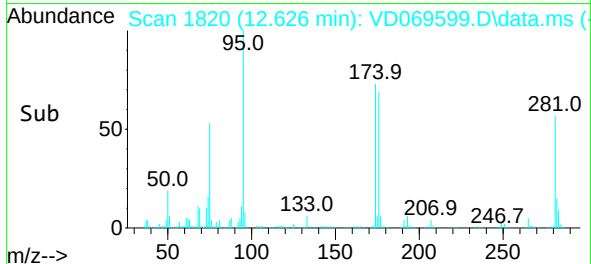


#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.064 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069599.D
 Acq: 06 Jul 2021 23:20

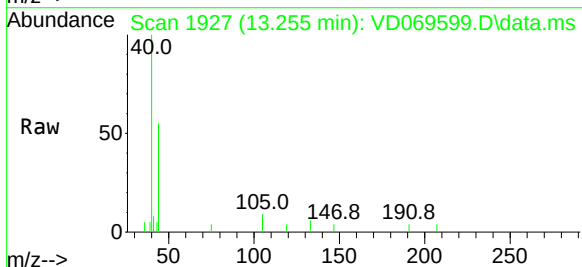
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-6



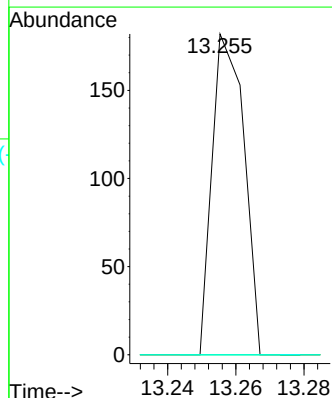
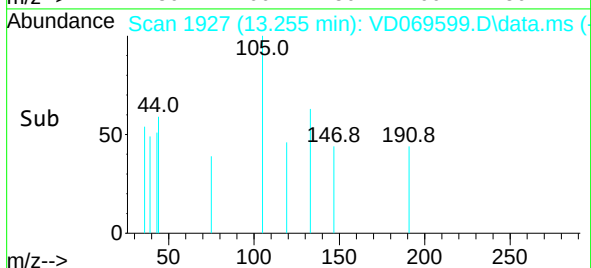
Tgt Ion: 75 Resp: 264565
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.1 35.3 52.9#

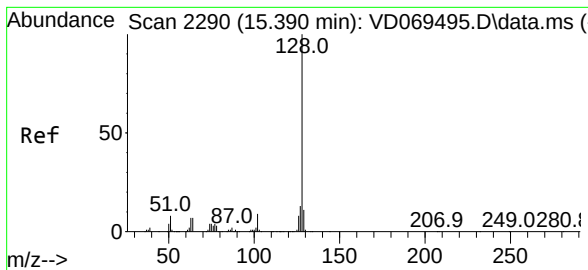


#83
 tert-Butylbenzene
 Concen: 1.997 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. 0.041 min
 Lab File: VD069599.D
 Acq: 06 Jul 2021 23:20



Tgt Ion: 119 Resp: 118
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.365 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069599.D
Acq: 06 Jul 2021 23:20

Instrument :
MSVOA_D
ClientSampleId :
SB-6

Tgt Ion:128 Resp: 173
Ion Ratio Lower Upper
128 100
127 39.9 10.6 16.0#
129 0.0 8.7 13.1#

