

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069504.D
 Acq On : 21 Jun 2021 16:57
 Operator : VA/SY
 Sample : M2778-07
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CF

Quant Time: Jun 22 05:08:46 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)

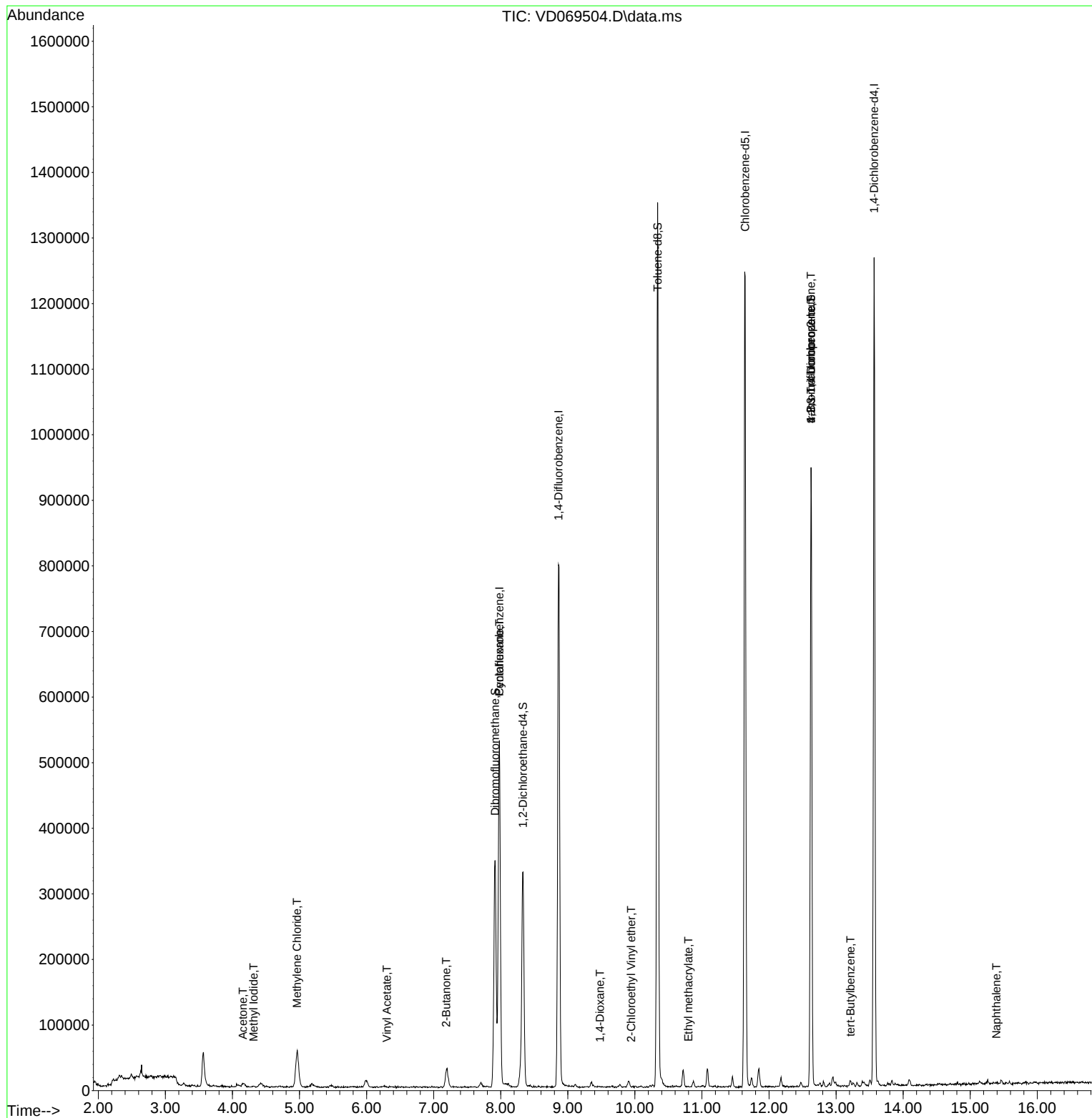
Internal Standards						
1) Pentafluorobenzene	7.979	168	353092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	695588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	716398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	309624	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	270558	61.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.940%	
35) Dibromofluoromethane	7.914	113	252056	53.606	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.220%	
50) Toluene-d8	10.338	98	897159	50.868	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.740%	
62) 4-Bromofluorobenzene	12.626	95	312847	53.955	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 107.920%	
Target Compounds						Qvalue
5) Bromomethane	2.773	94	909	Below Cal	# 95	
10) Methyl Iodide	4.315	142	939	4.174 ug/l	#	61
11) Tert butyl alcohol	5.209	59	2497	Below Cal	#	91
16) Acetone	4.156	43	5172	6.982 ug/l	# 95	
18) Methyl Acetate	4.679	43	62	Below Cal	#	49
20) Methylene Chloride	4.962	84	42416	2.998 ug/l	#	94
23) Vinyl Acetate	6.303	43	211	19.042 ug/l	#	70
25) 2-Butanone	7.185	43	2290	2.433 ug/l	#	87
31) Cyclohexane	7.979	56	11100	1.873 ug/l	#	9
49) 1,4-Dioxane	9.479	88	56	2.149 ug/l	#	61
56) Ethyl methacrylate	10.797	69	72	2.597 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	9.944	63	107	10.645 ug/l	#	47
76) 1,2,3-Trichloropropane	12.626	75	166617	54.820 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	166617	136.878 ug/l	#	13
83) tert-Butylbenzene	13.214	119	3094	2.177 ug/l	# 95	
95) Naphthalene	15.390	128	1775	3.526 ug/l	#	69

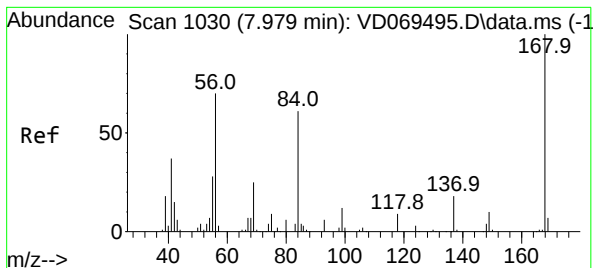
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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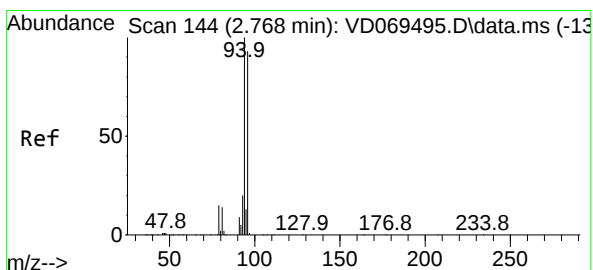
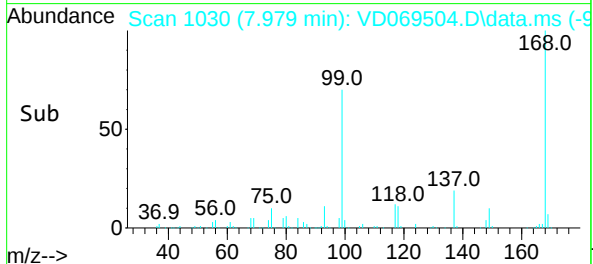
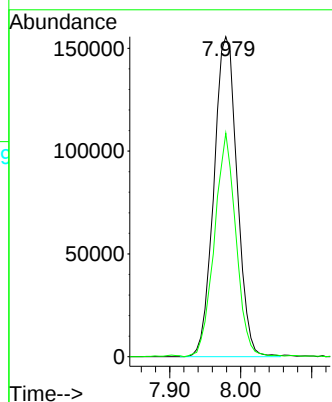
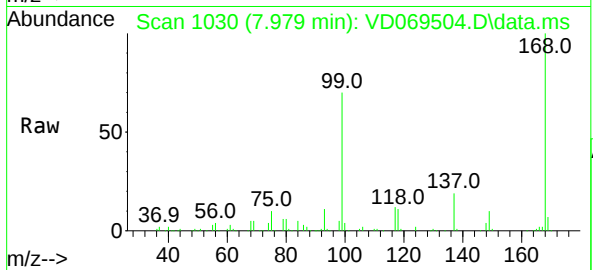




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

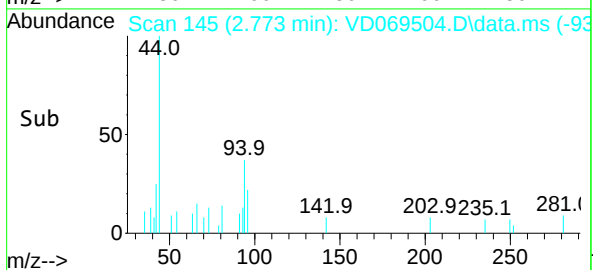
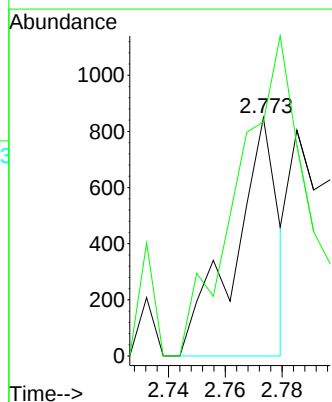
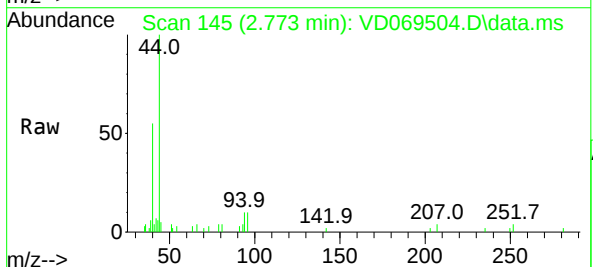
Instrument :
MSVOA_D
ClientSampled :
CF

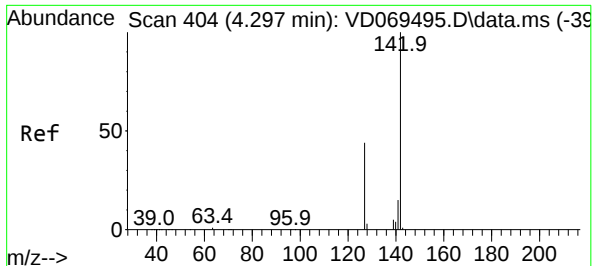
Tgt Ion:168 Resp: 353092
Ion Ratio Lower Upper
168 100
99 69.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 94 Resp: 909
Ion Ratio Lower Upper
94 100
96 98.2 74.6 111.8

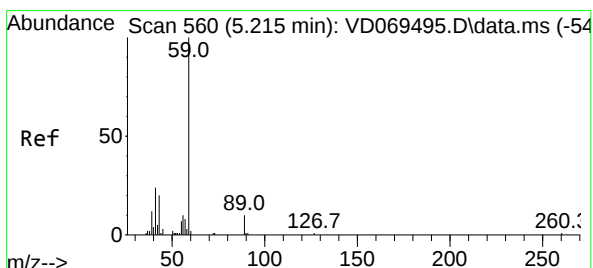
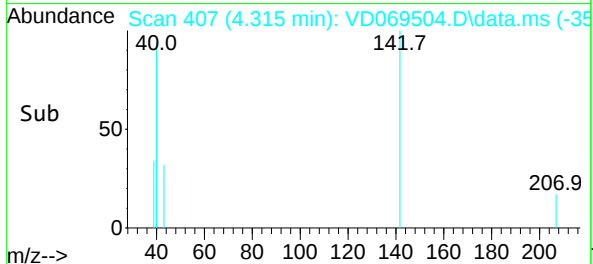
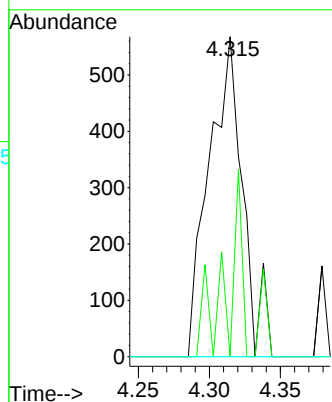
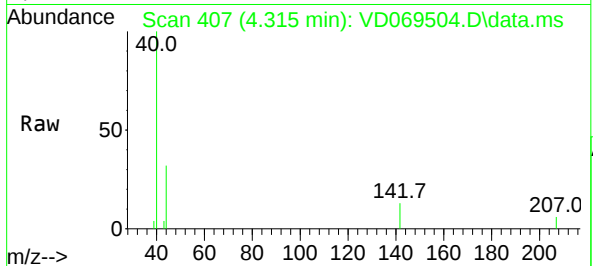




#10
Methyl Iodide
Concen: 4.174 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

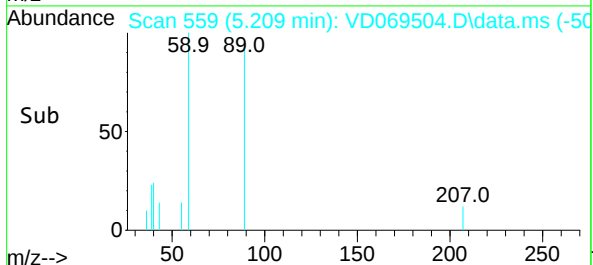
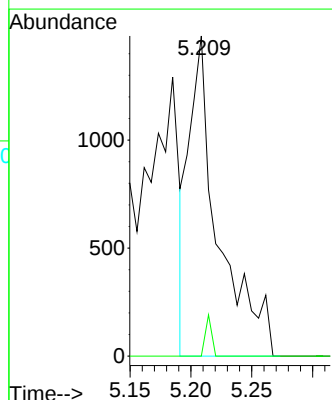
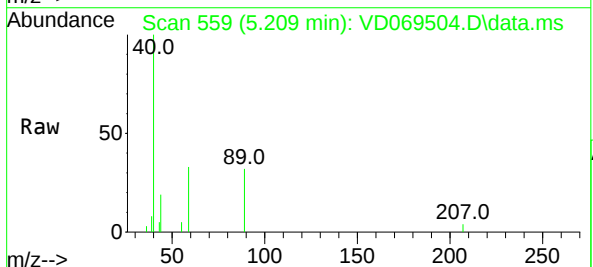
Instrument :
MSVOA_D
ClientSampled :
CF

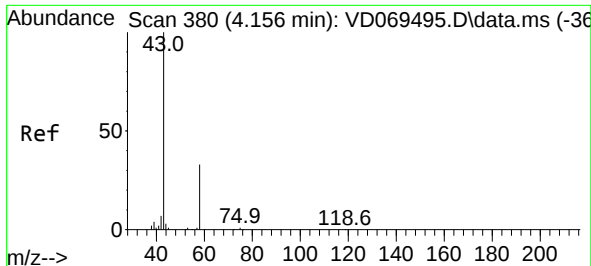
Tgt Ion:142 Resp: 939
Ion Ratio Lower Upper
142 100
127 19.5 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 59 Resp: 2497
Ion Ratio Lower Upper
59 100
57 2.7 4.6 7.0#

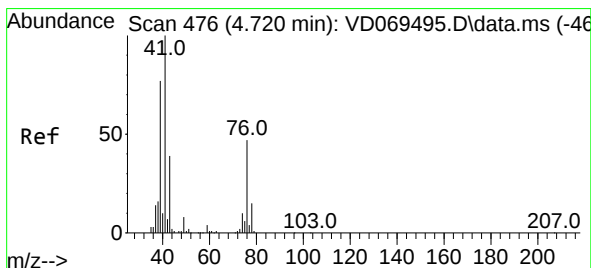
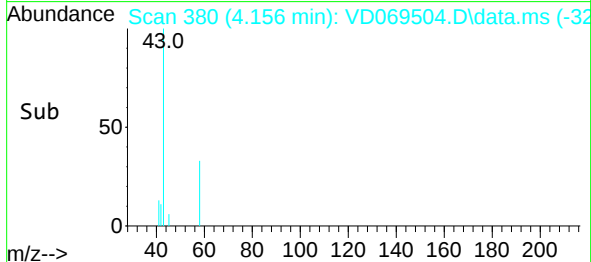
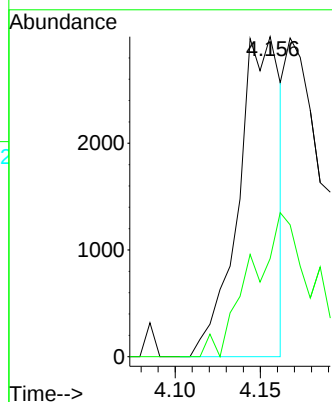
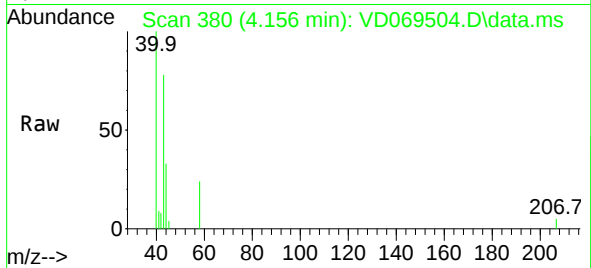




#16
Acetone
Concen: 6.982 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

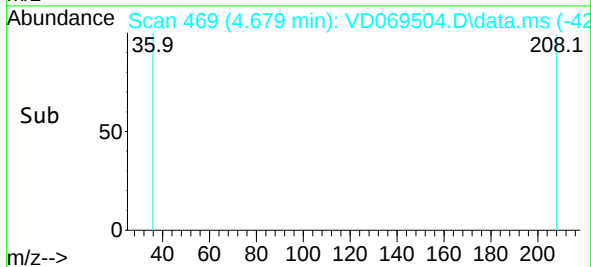
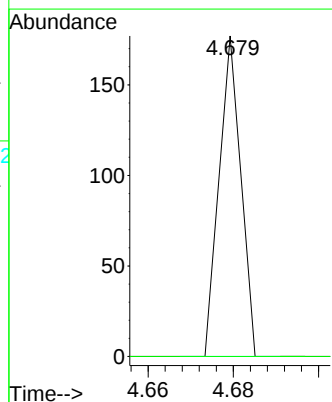
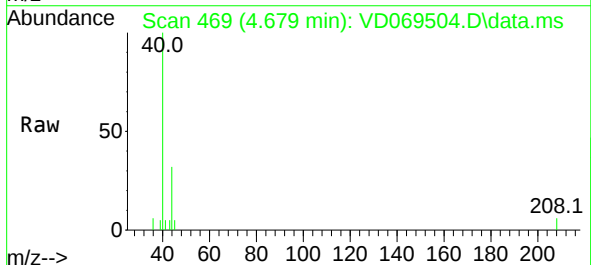
Instrument :
MSVOA_D
ClientSampled :
CF

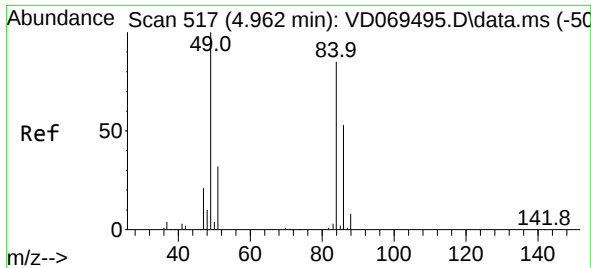
Tgt Ion: 43 Resp: 5172
Ion Ratio Lower Upper
43 100
58 30.6 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.679 min Scan# 469
Delta R.T. -0.041 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

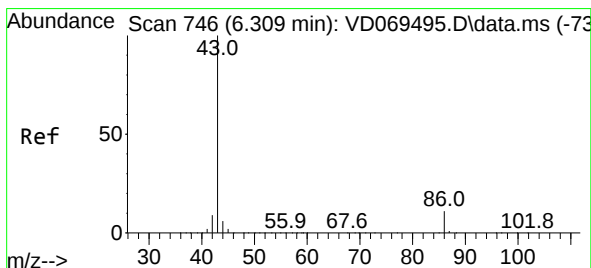
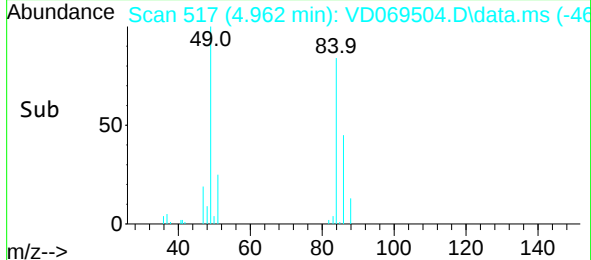
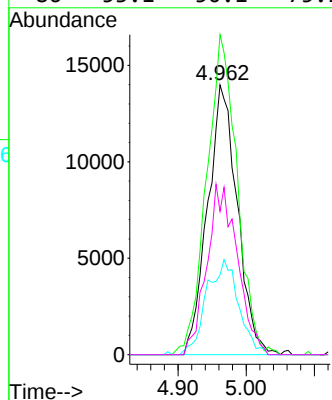
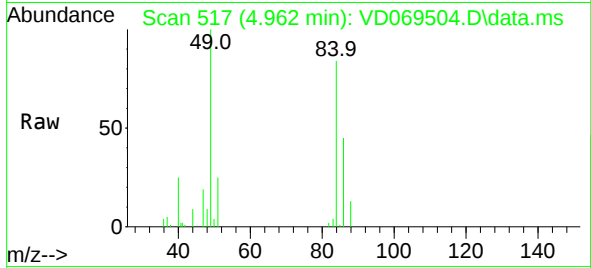




#20
Methylene Chloride
Concen: 2.998 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

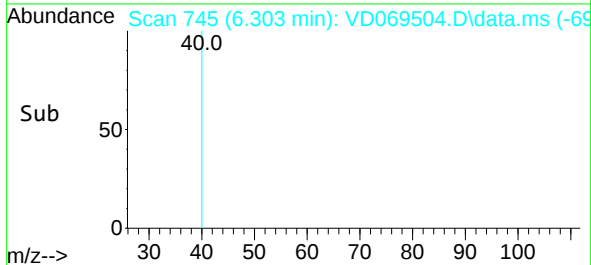
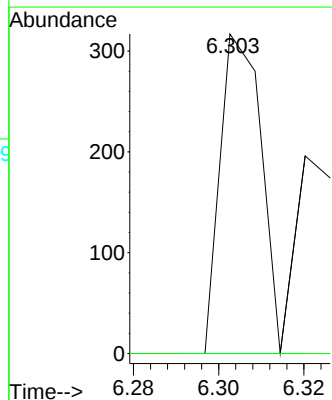
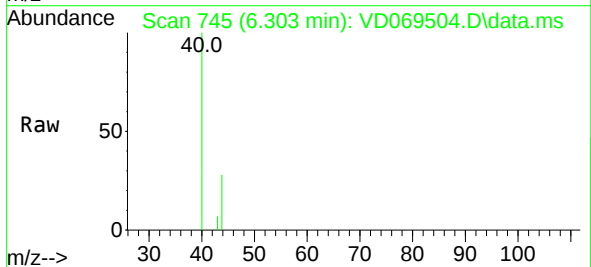
Instrument :
MSVOA_D
ClientSampled :
CF

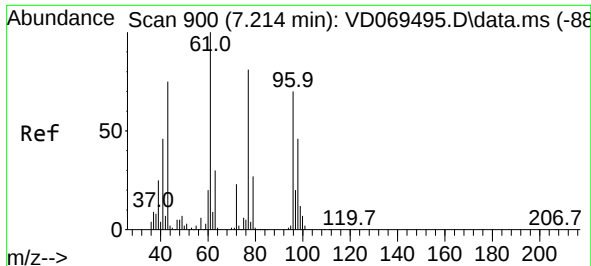
Tgt Ion:	84	Resp:	42416
Ion	Ratio	Lower	Upper
84	100		
49	118.6	94.0	141.0
51	29.5	29.7	44.5#
86	53.1	50.1	75.1



#23
Vinyl Acetate
Concen: 19.042 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.006 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

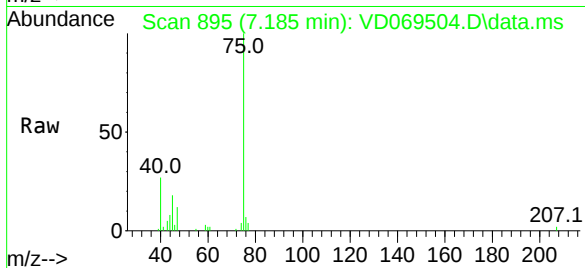
Tgt Ion:	43	Resp:	211
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



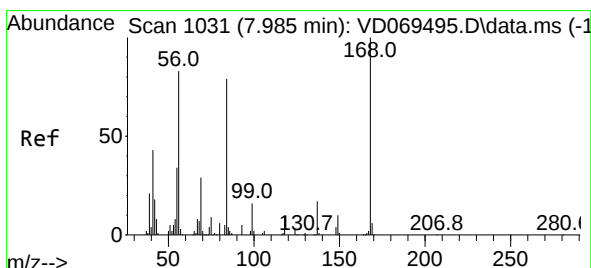
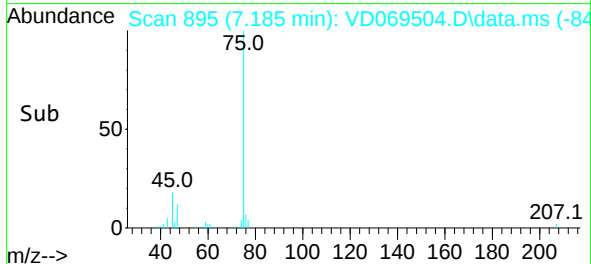
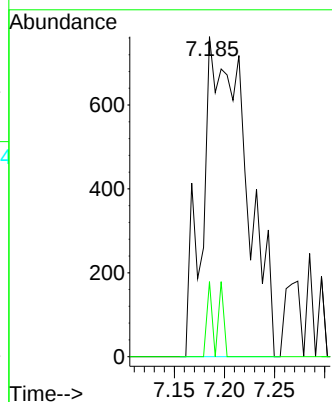


#25
2-Butanone
Concen: 2.433 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.029 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Instrument :
MSVOA_D
ClientSampled :
CF

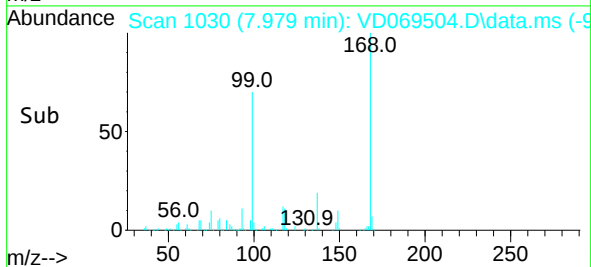
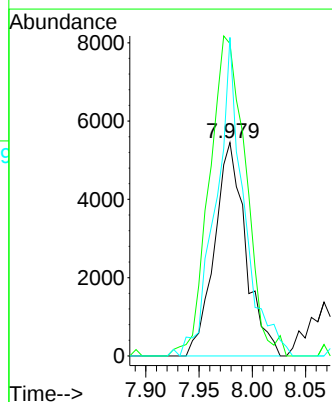
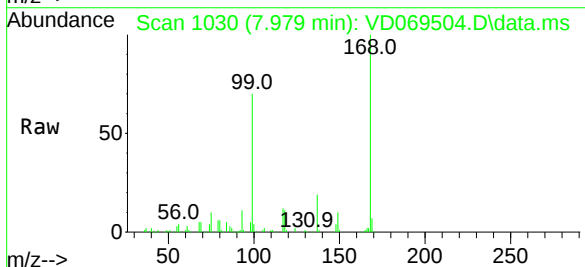


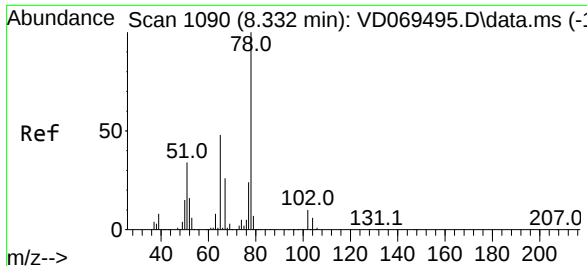
Tgt Ion: 43 Resp: 2290
Ion Ratio Lower Upper
43 100
72 23.5 24.3 36.5#



#31
Cyclohexane
Concen: 1.873 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 56 Resp: 11100
Ion Ratio Lower Upper
56 100
69 142.0 28.0 42.0#
84 149.3 75.7 113.5#

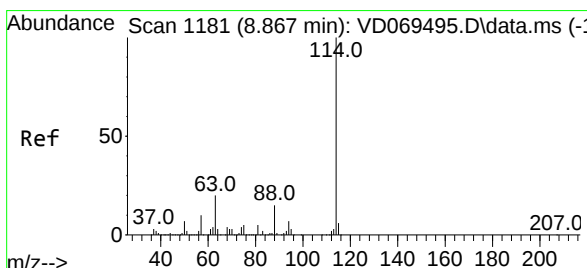
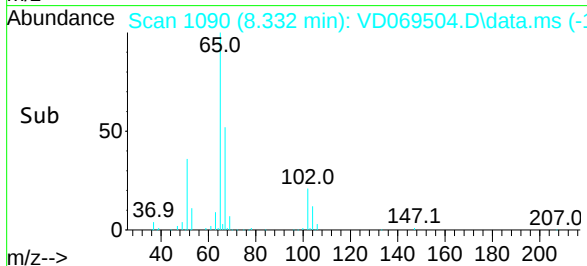
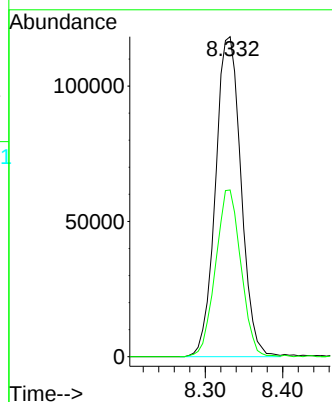
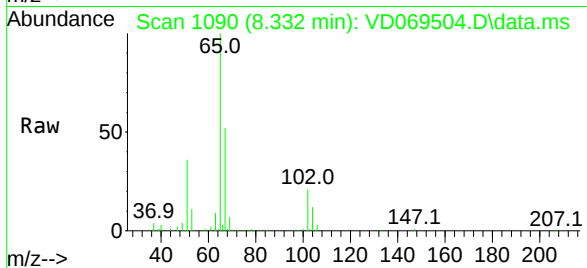




#33
 1,2-Dichloroethane-d4
 Concen: 61.473 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD069504.D
 Acq: 21 Jun 2021 16:57

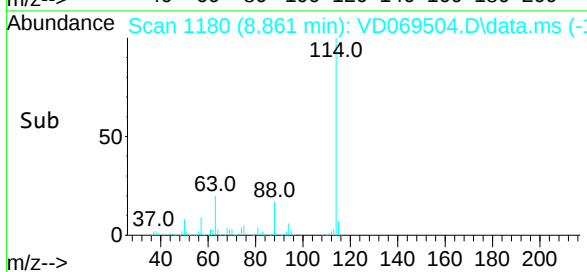
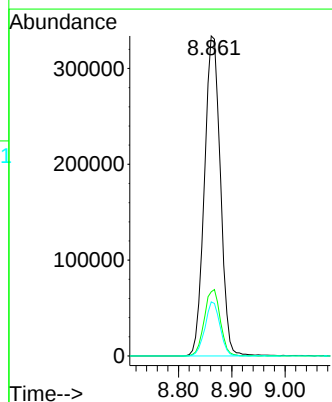
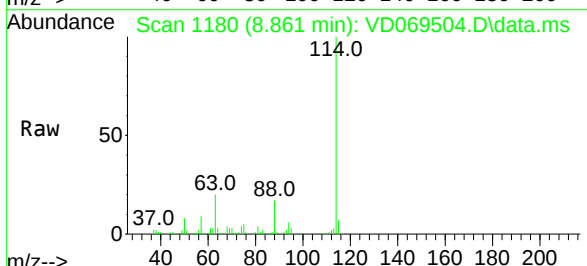
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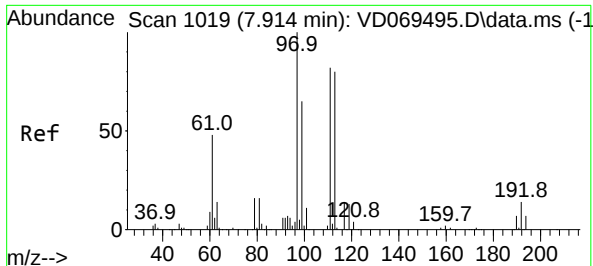
Tgt Ion: 65 Resp: 270558
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069504.D
 Acq: 21 Jun 2021 16:57

Tgt Ion: 114 Resp: 695588
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 16.9 0.0 29.8

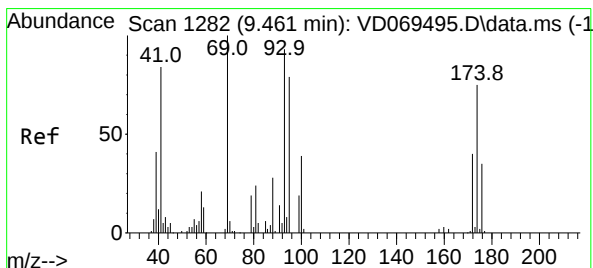
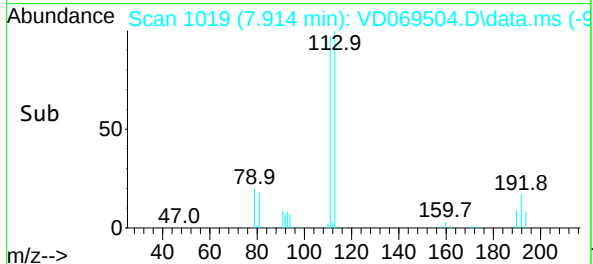
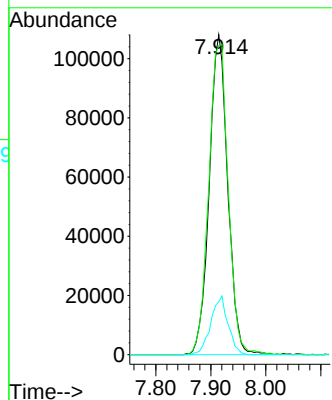
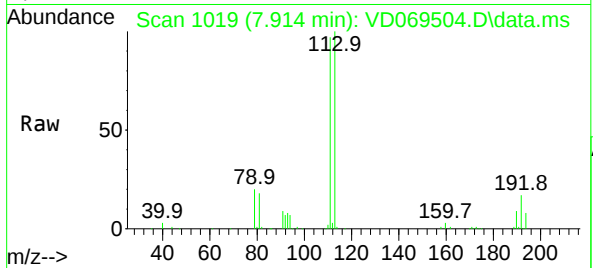




#35
Dibromofluoromethane
Concen: 53.606 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

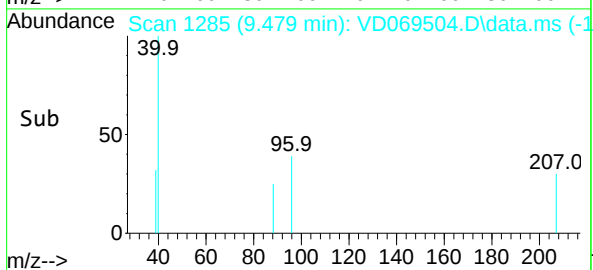
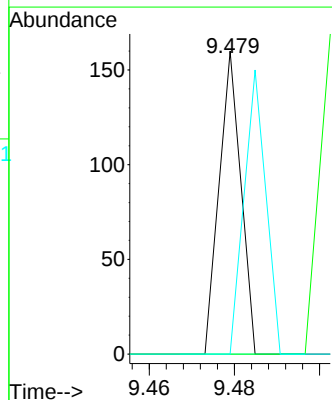
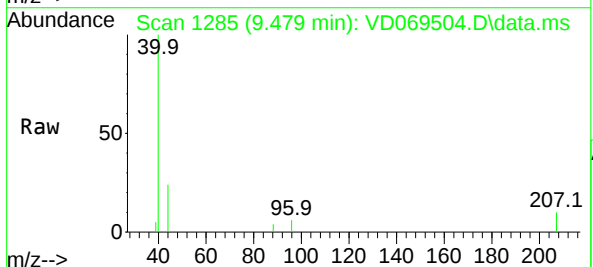
Instrument :
MSVOA_D
ClientSampleId :
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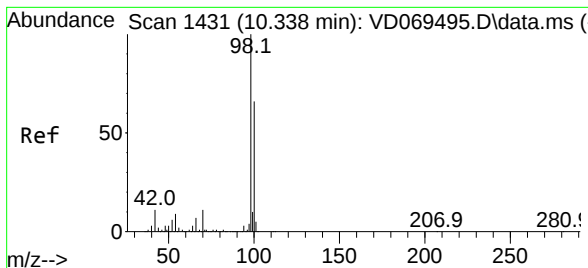
Tgt Ion:113 Resp: 252056
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 17.1 13.8 20.6



#49
1,4-Dioxane
Concen: 2.149 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.018 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 94.6 56.0 84.0#

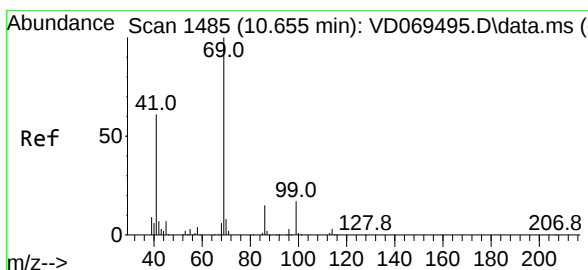
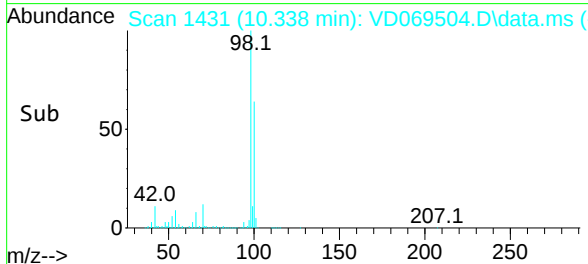
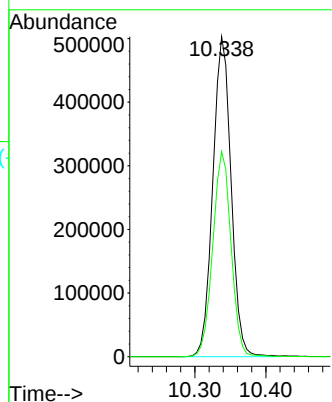
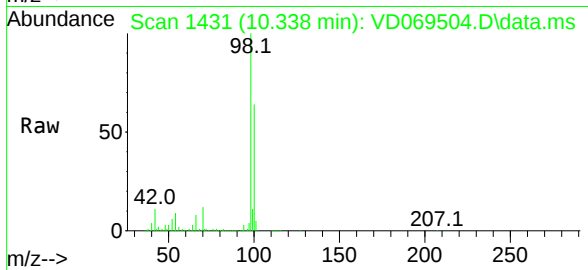




#50
Toluene-d8
Concen: 50.868 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

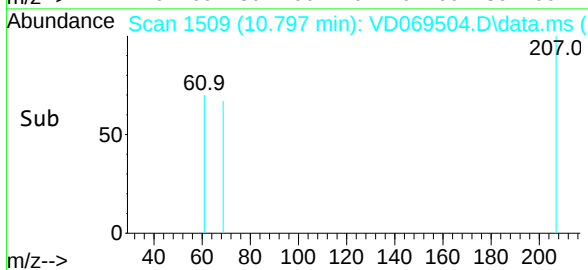
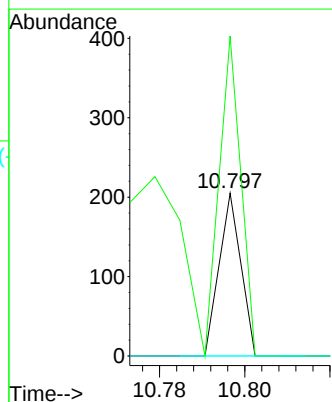
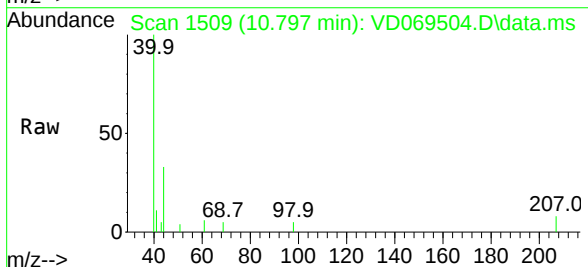
Instrument :
MSVOA_D
ClientSampled :
CF

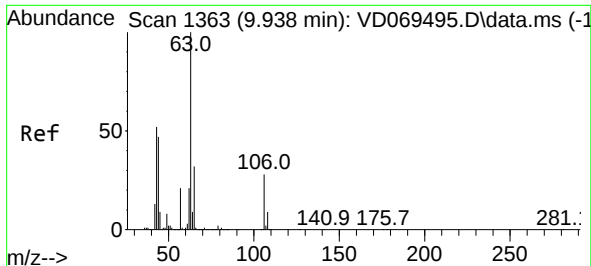
Tgt Ion: 98 Resp: 897159
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.597 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. 0.142 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 197.2 49.4 74.0#
39 0.0 26.9 40.3#

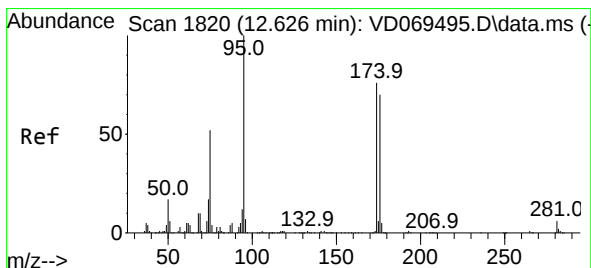
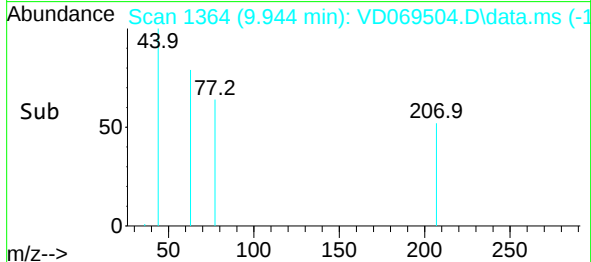
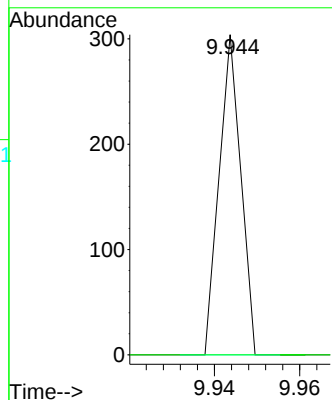
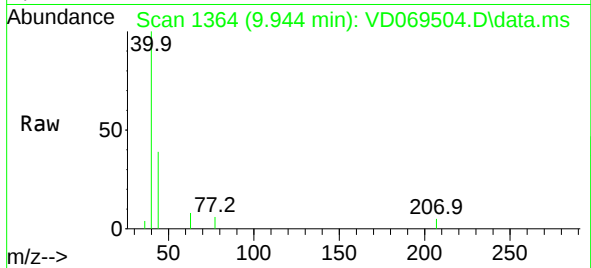




#58
2-Chloroethyl Vinyl ether
Concen: 10.645 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

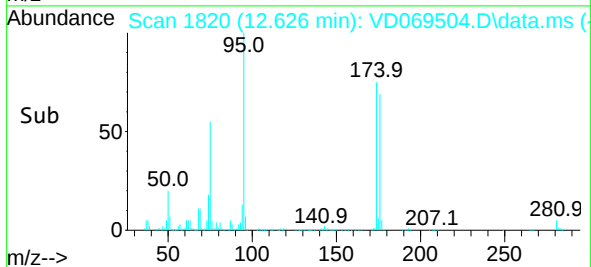
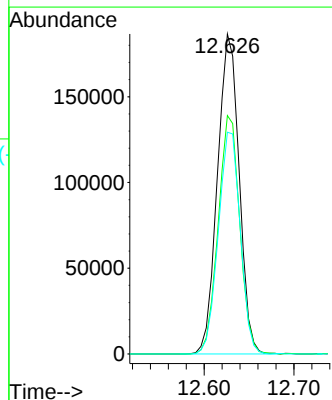
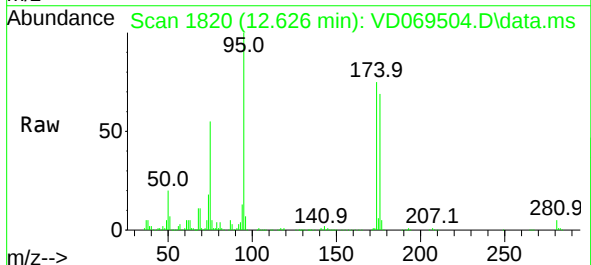
Instrument :
MSVOA_D
ClientSampled :
CF

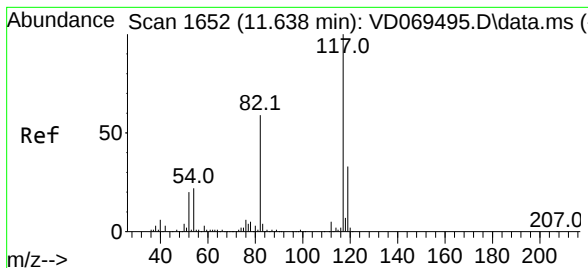
Tgt Ion: 63 Resp: 107
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 53.955 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 95 Resp: 312847
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.0
176 70.1 0.0 139.8

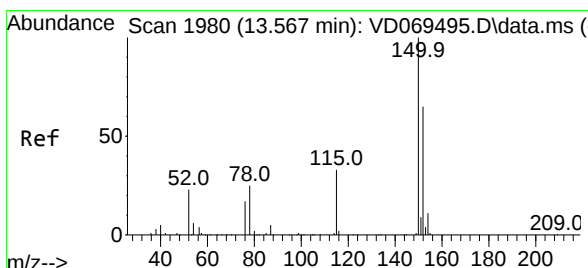
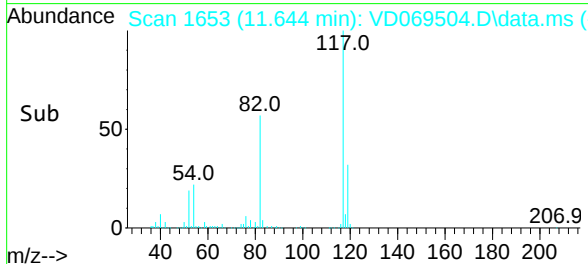
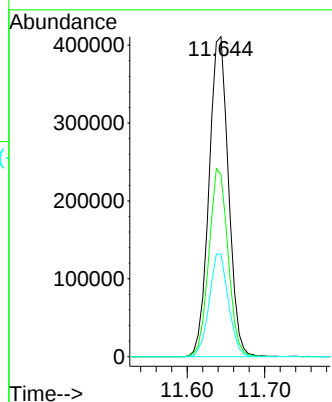
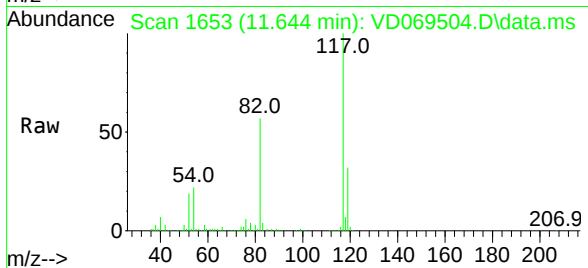




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

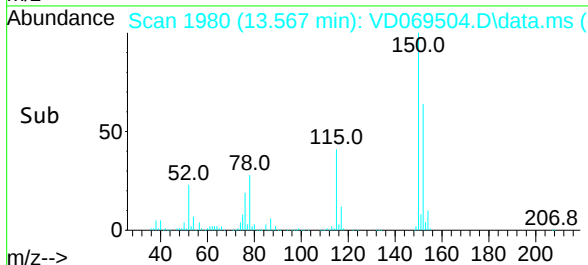
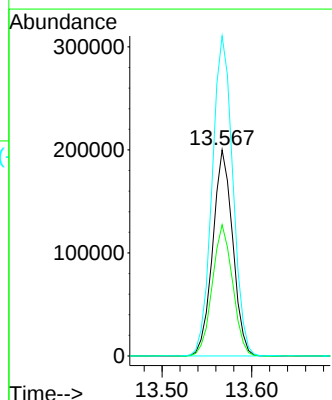
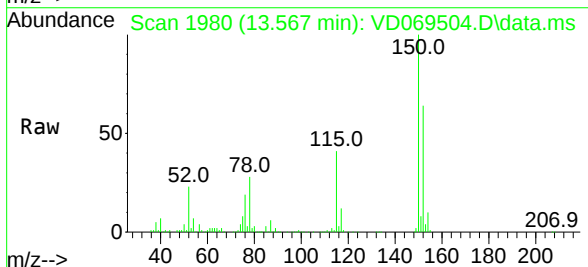
Instrument :
MSVOA_D
ClientSampled :
CF

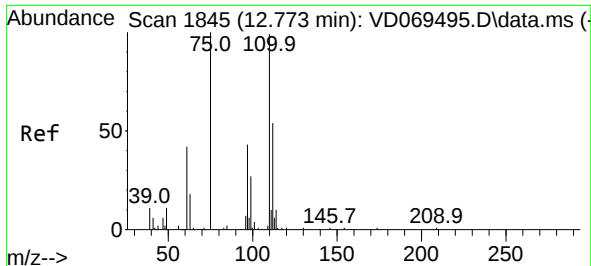
Tgt Ion:117 Resp: 716398
Ion Ratio Lower Upper
117 100
82 56.8 46.8 70.2
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion:152 Resp: 309624
Ion Ratio Lower Upper
152 100
115 64.5 31.7 95.1
150 160.7 0.0 350.8

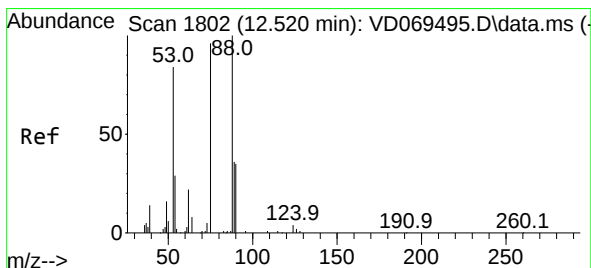
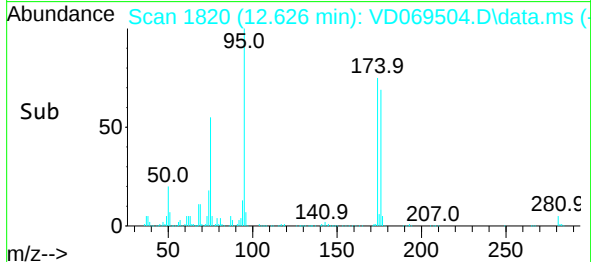
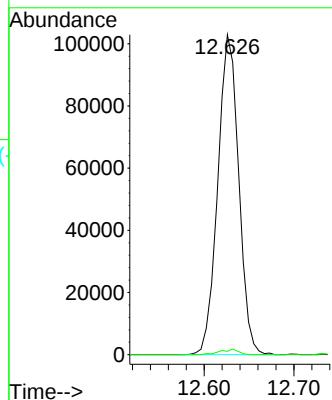
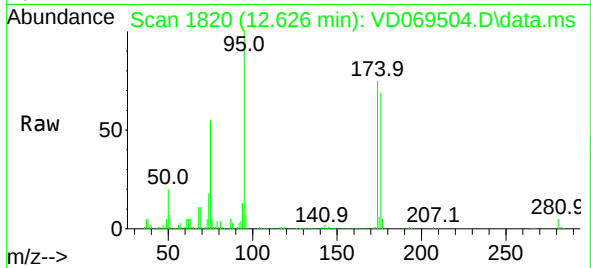




#76
1,2,3-Trichloropropane
Concen: 54.820 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

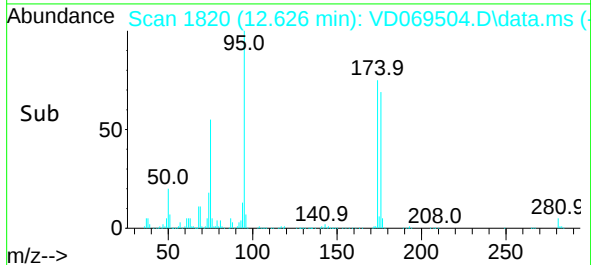
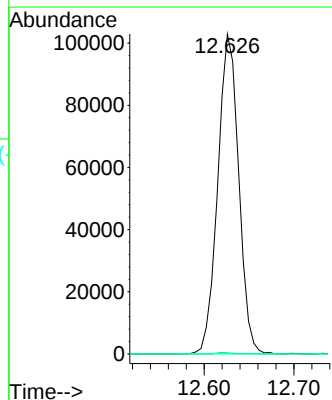
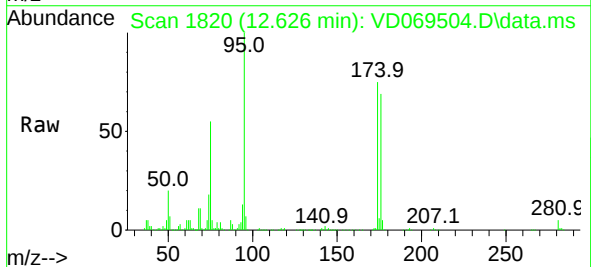
Instrument :
MSVOA_D
ClientSampled :
CF

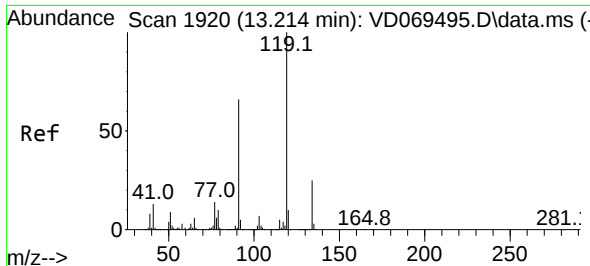
Tgt Ion: 75 Resp: 166617
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.878 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion: 75 Resp: 166617
Ion Ratio Lower Upper
75 100
53 0.5 74.6 112.0#
89 0.1 35.3 52.9#

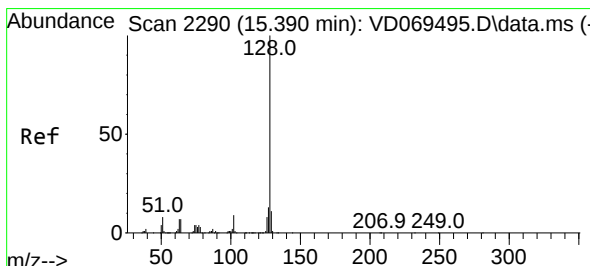
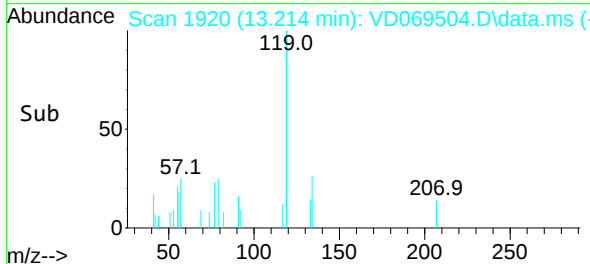
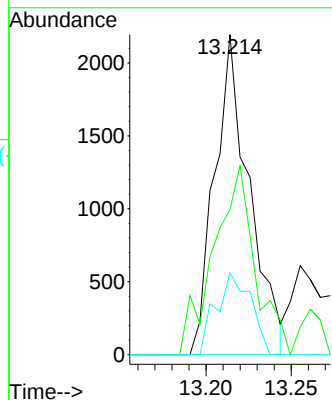
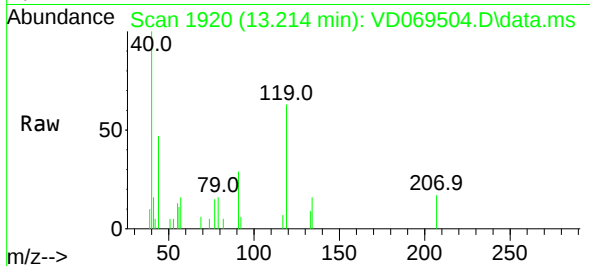




#83
tert-Butylbenzene
Concen: 2.177 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Instrument :
MSVOA_D
ClientSampled :
CF

Tgt Ion:	119	Resp:	3094
Ion	Ratio	Lower	Upper
119	100		
91	70.4	32.5	97.4
134	25.7	12.9	38.7



#95
Naphthalene
Concen: 3.526 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069504.D
Acq: 21 Jun 2021 16:57

Tgt Ion:	128	Resp:	1775
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

