

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062121\
 Data File : VD069507.D
 Acq On : 21 Jun 2021 18:49
 Operator : VA/SY
 Sample : M2793-02
 Misc : 5.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 22 05:09:34 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)

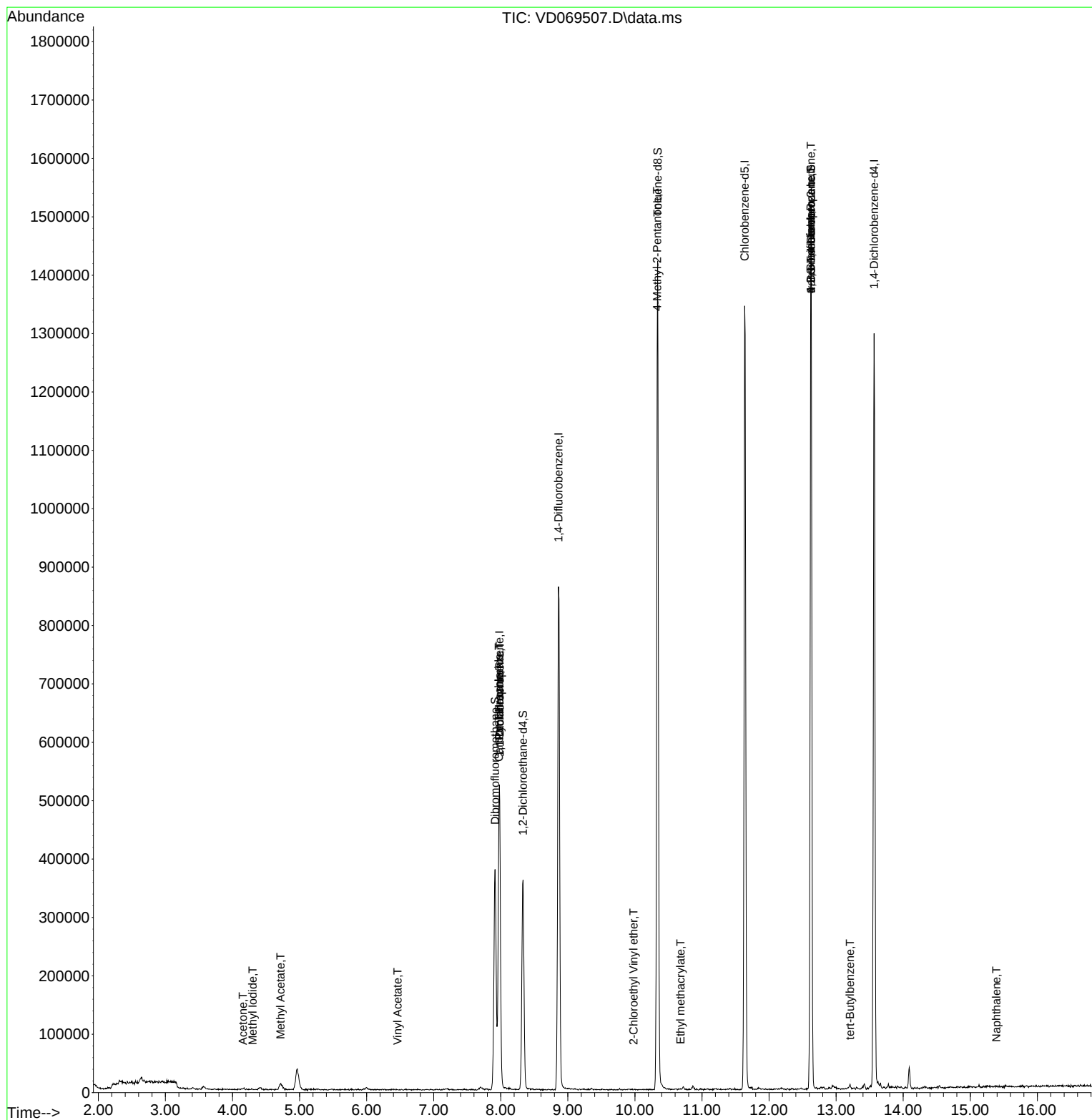
Internal Standards						
1) Pentafluorobenzene	7.979	168	358084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	723096	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	761345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	339483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	289279	64.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.620%	
35) Dibromofluoromethane	7.914	113	272937	55.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.680%	
50) Toluene-d8	10.338	98	959563	52.336	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.680%	
62) 4-Bromofluorobenzene	12.626	95	353646	58.671	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.340%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	1903	Below Cal	#	46
10) Methyl Iodide	4.303	142	53	3.953	ug/l #	39
11) Tert butyl alcohol	5.208	59	775	Below Cal	#	83
16) Acetone	4.156	43	3444	4.584	ug/l	93
18) Methyl Acetate	4.714	43	20585	8.772	ug/l #	86
20) Methylene Chloride	4.955	84	27598	Below Cal		89
23) Vinyl Acetate	6.461	43	77	19.022	ug/l #	70
31) Cyclohexane	7.979	56	9965	1.658	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	34588	4.874	ug/l #	49
38) Carbon Tetrachloride	7.973	117	39156	5.575	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	4596	1.827	ug/l #	1
56) Ethyl methacrylate	10.679	69	61	2.594	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.979	63	60	10.624	ug/l #	47
71) Bromoform	12.620	173	3229	1.157	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	186968	56.105	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	186968	140.087	ug/l #	13
83) tert-Butylbenzene	13.208	119	799	2.036	ug/l #	80
95) Naphthalene	15.390	128	695	3.416	ug/l #	69

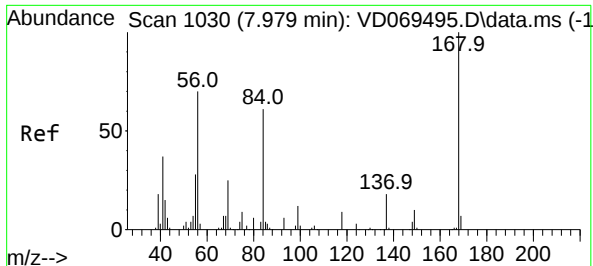
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
Quant Title : SW846 8260
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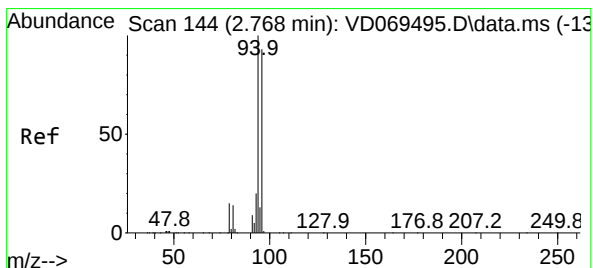
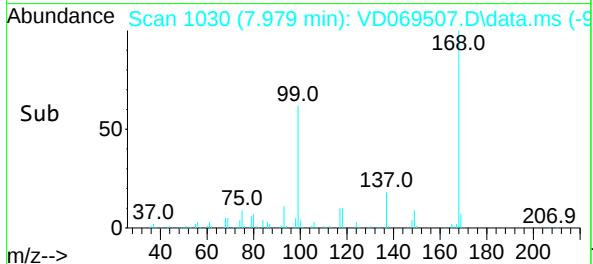
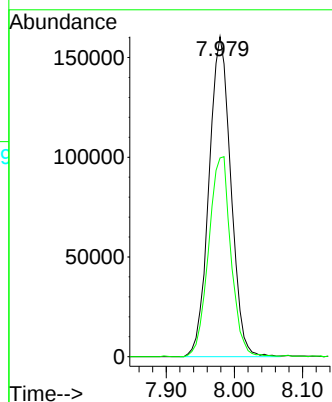
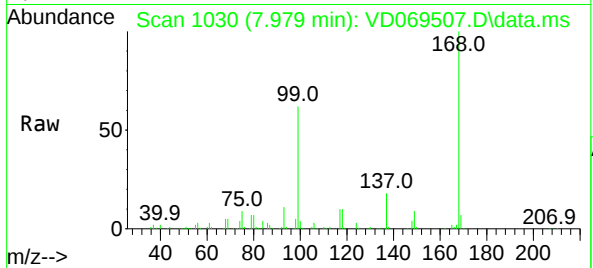




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

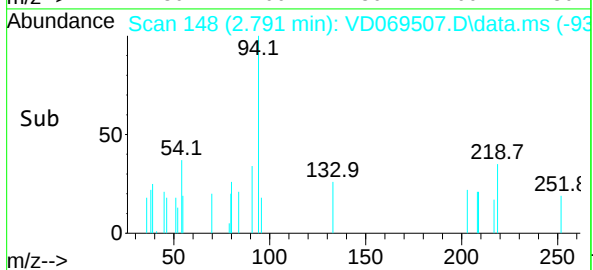
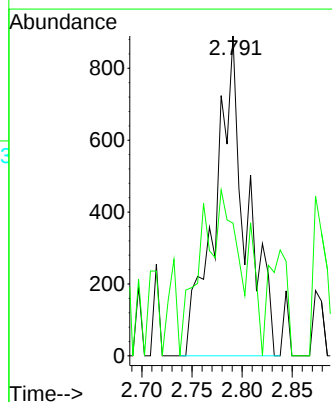
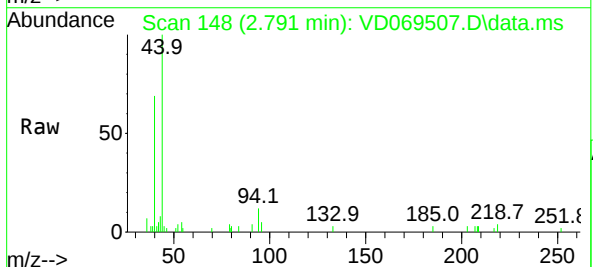
Instrument :
MSVOA_D
ClientSampleId :

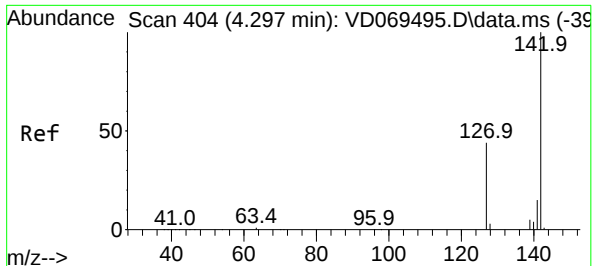
Tgt Ion:168 Resp: 358084
Ion Ratio Lower Upper
168 100
99 62.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.791 min Scan# 148
Delta R.T. 0.023 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion: 94 Resp: 1903
Ion Ratio Lower Upper
94 100
96 41.5 74.6 111.8#

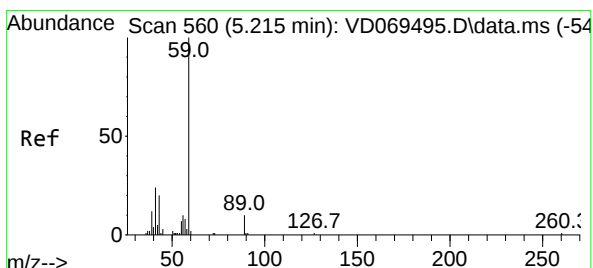
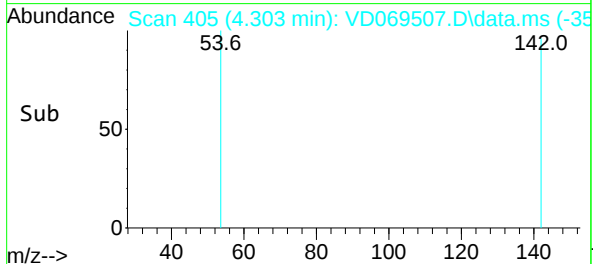
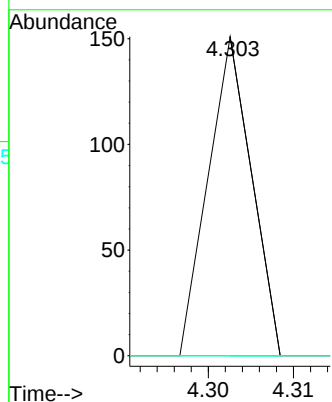
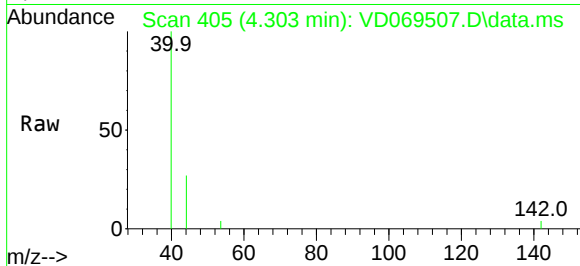




#10
Methyl Iodide
Concen: 3.953 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

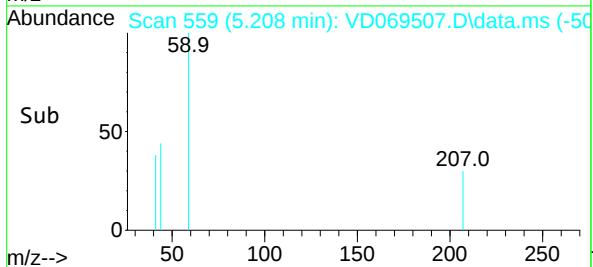
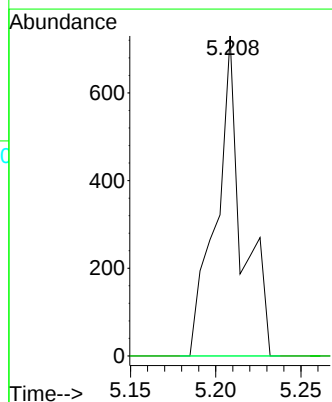
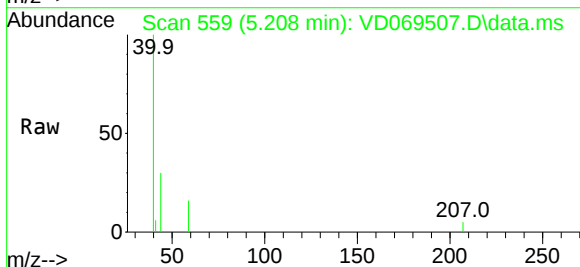
Instrument :
MSVOA_D
ClientSampled :

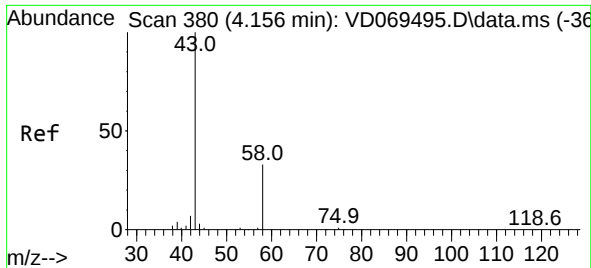
Tgt Ion:	142	Resp:	53
Ion	Ratio	Lower	Upper
142	100		
127	0.0	36.5	54.7#
141	0.0	12.0	18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.007 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion:	59	Resp:	775
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.6	7.0#

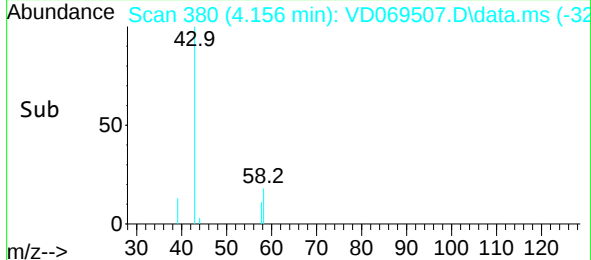
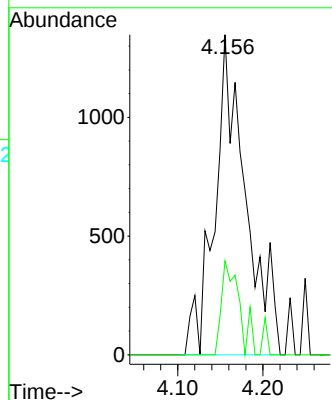
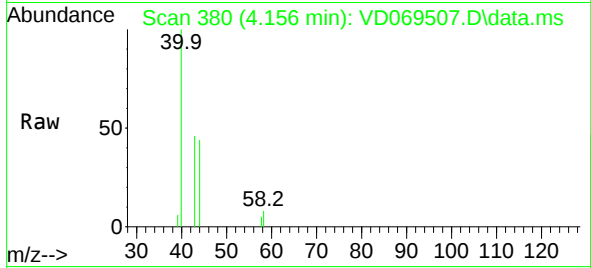




#16
Acetone
Concen: 4.584 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

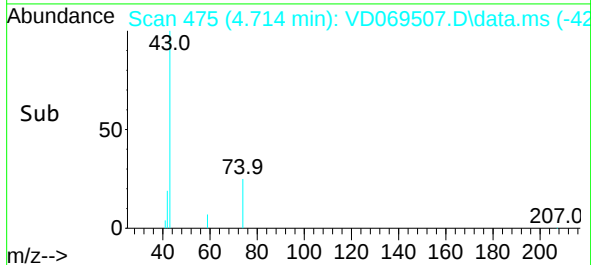
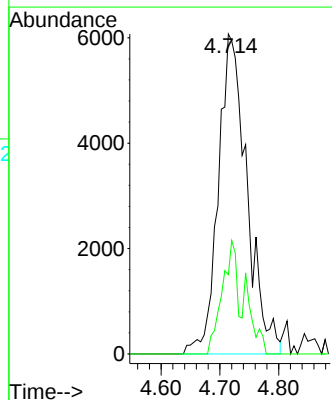
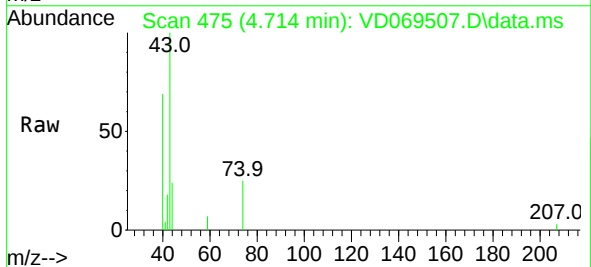
Instrument :
MSVOA_D
ClientSampled :

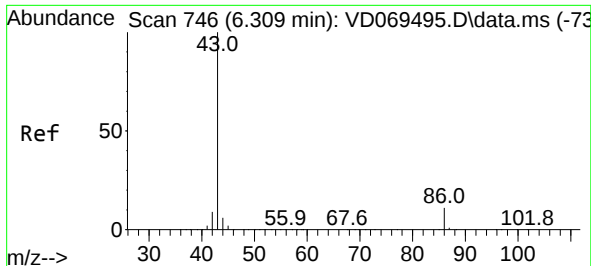
Tgt Ion: 43 Resp: 3444
Ion Ratio Lower Upper
43 100
58 29.3 26.8 40.2



#18
Methyl Acetate
Concen: 8.772 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion: 43 Resp: 20585
Ion Ratio Lower Upper
43 100
74 19.3 21.0 31.4#

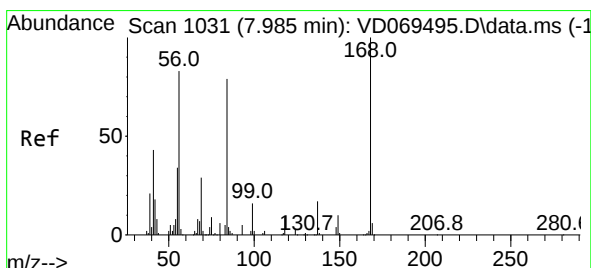
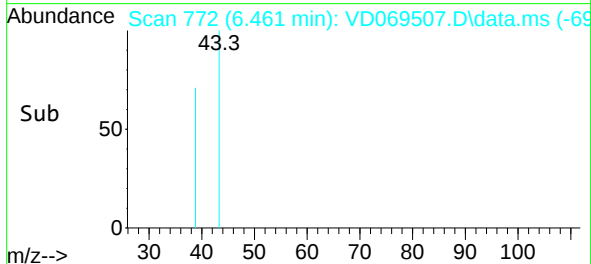
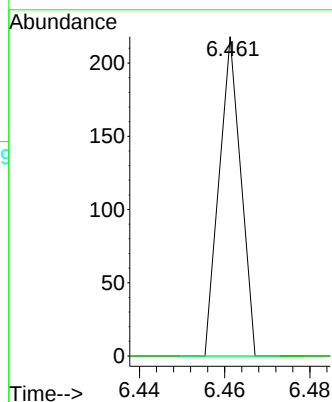
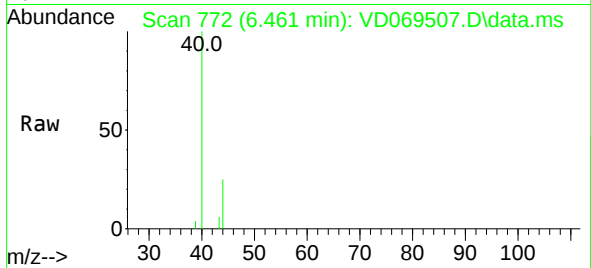




#23
 Vinyl Acetate
 Concen: 19.022 ug/l
 RT: 6.461 min Scan# 772
 Delta R.T. 0.152 min
 Lab File: VD069507.D
 Acq: 21 Jun 2021 18:49

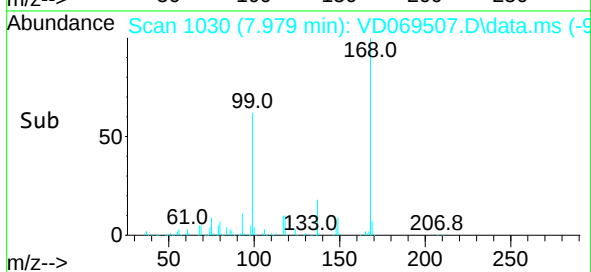
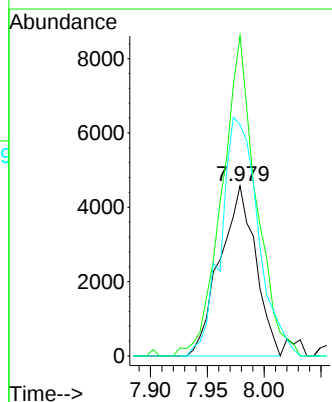
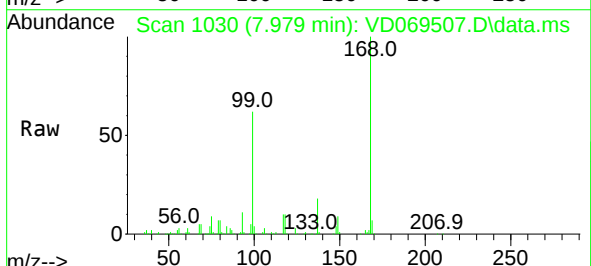
Instrument :
 MSVOA_D
 ClientSampled :

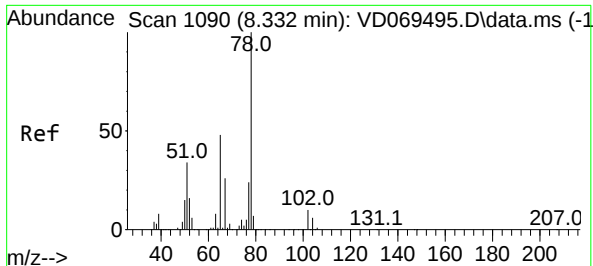
Tgt Ion: 43 Resp: 77
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#31
 Cyclohexane
 Concen: 1.658 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069507.D
 Acq: 21 Jun 2021 18:49

Tgt Ion: 56 Resp: 9965
 Ion Ratio Lower Upper
 56 100
 69 183.4 28.0 42.0#
 84 136.0 75.7 113.5#

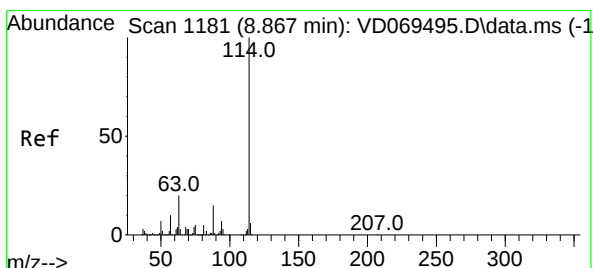
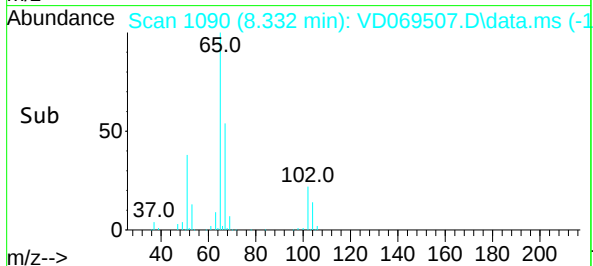
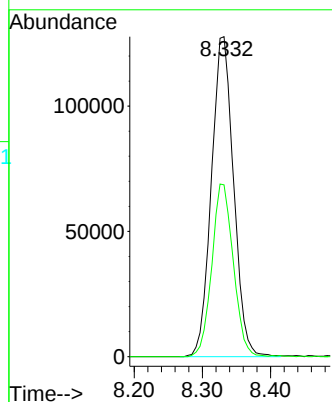
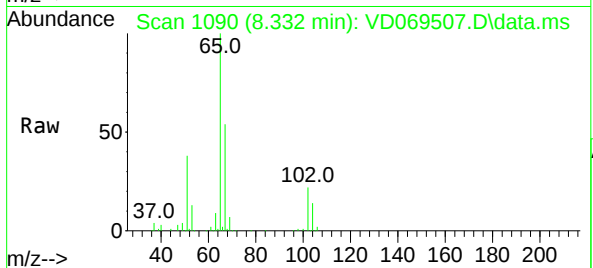




#33
1,2-Dichloroethane-d4
Concen: 64.811 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

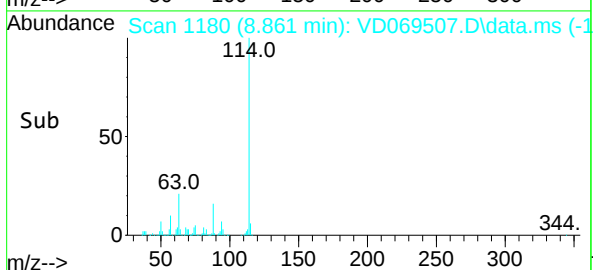
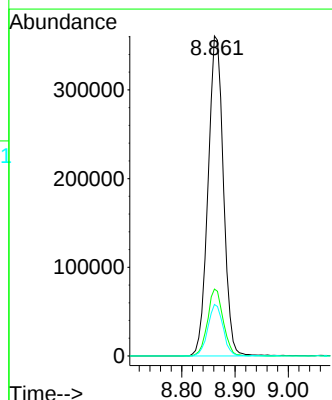
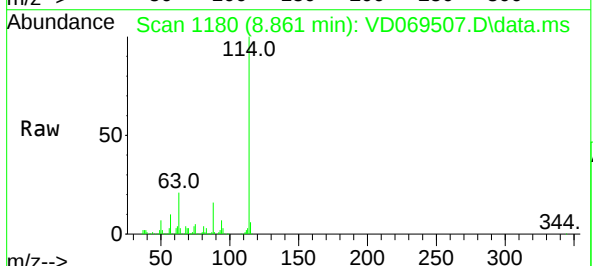
Instrument :
MSVOA_D
ClientSampleId :

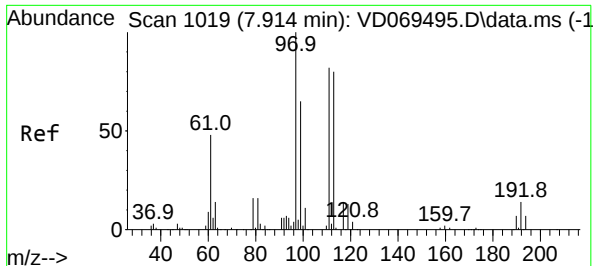
Tgt Ion: 65 Resp: 289279
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion: 114 Resp: 723096
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.6
88 16.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 55.838 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069507.D

Acq: 21 Jun 2021 18:49

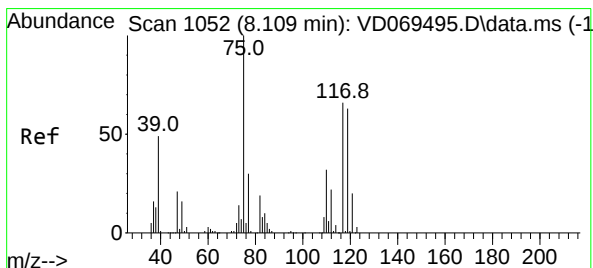
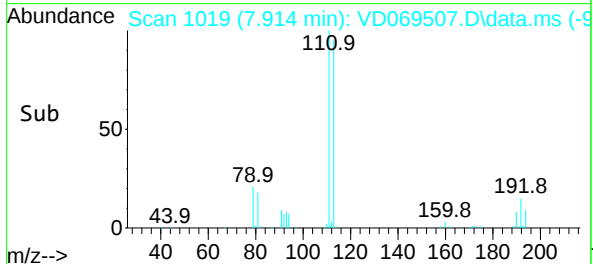
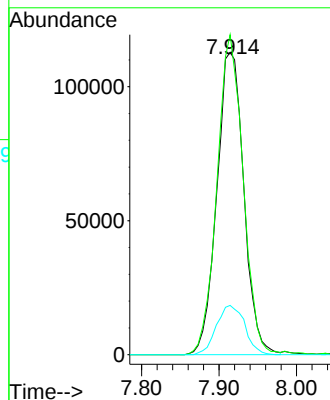
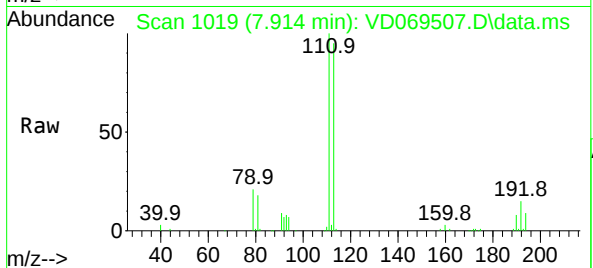
Tgt Ion:113 Resp: 272937

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 17.1 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.874 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.124 min

Lab File: VD069507.D

Acq: 21 Jun 2021 18:49

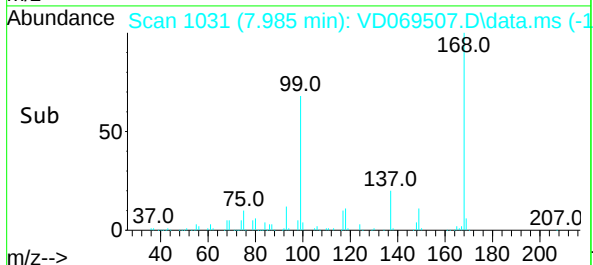
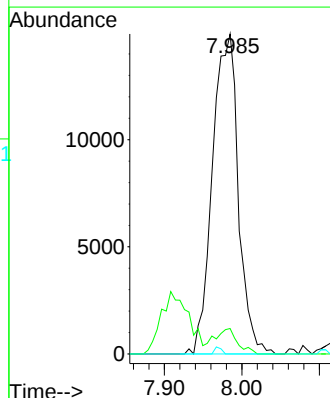
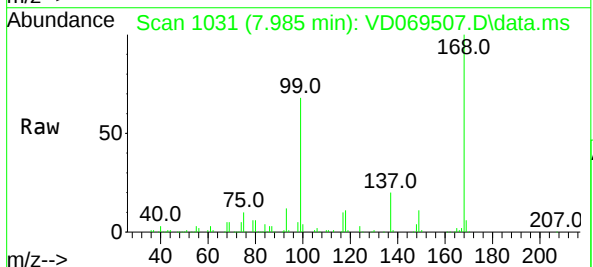
Tgt Ion: 75 Resp: 34588

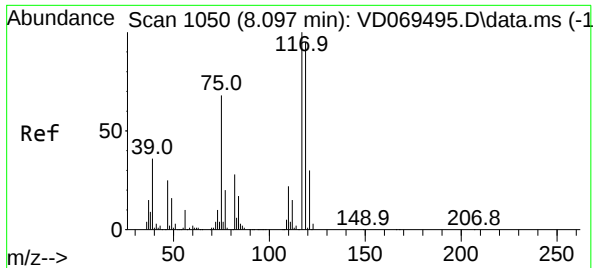
Ion Ratio Lower Upper

75 100

110 6.8 16.8 50.4#

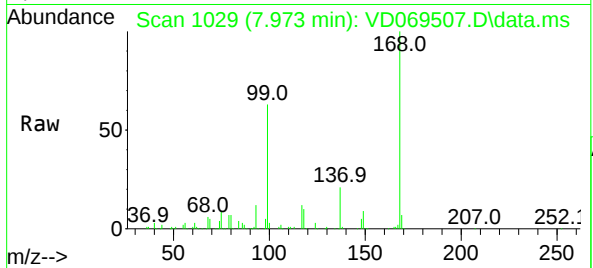
77 0.6 24.3 36.5#



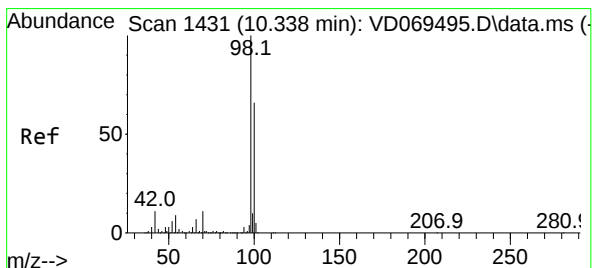
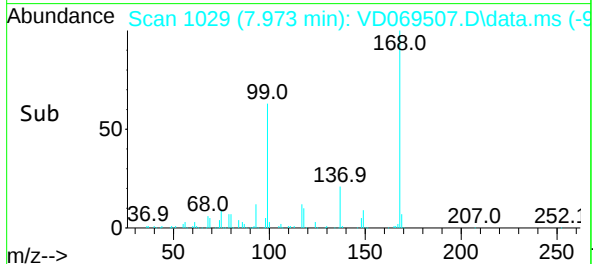
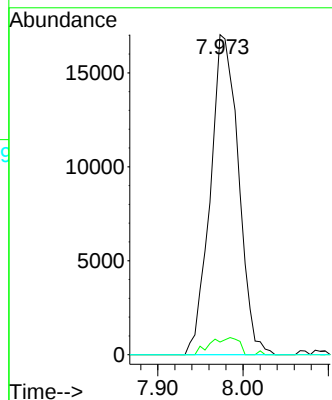


#38
Carbon Tetrachloride
Concen: 5.575 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Instrument :
MSVOA_D
ClientSampleId :

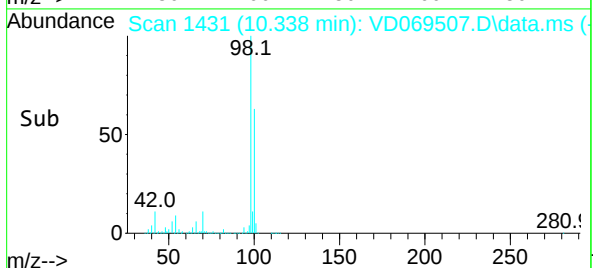
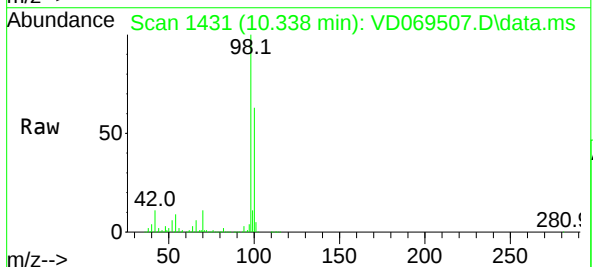
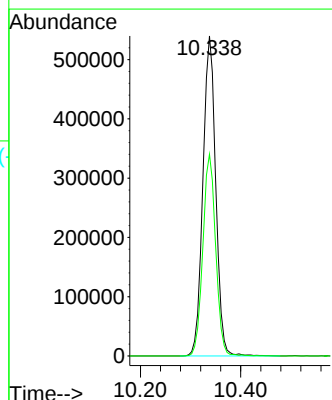


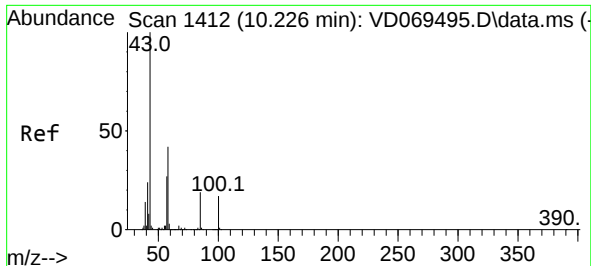
Tgt Ion:117 Resp: 39156
Ion Ratio Lower Upper
117 100
119 4.0 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 52.336 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion: 98 Resp: 959563
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5

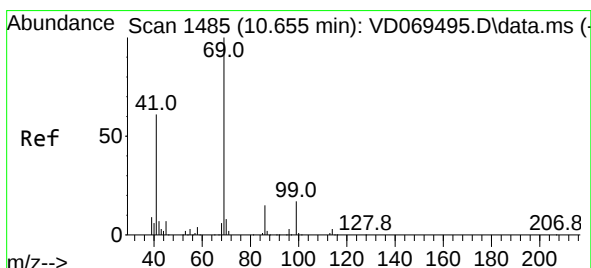
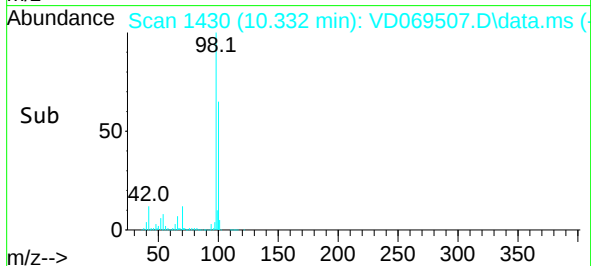
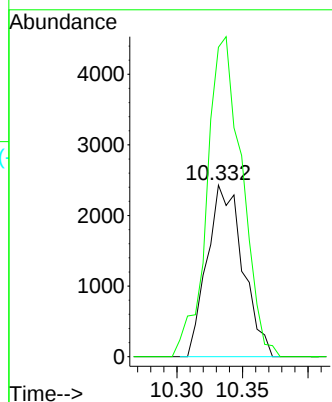
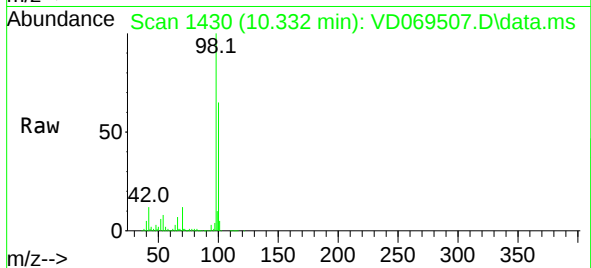




#51
4-Methyl-2-Pentanone
Concen: 1.827 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

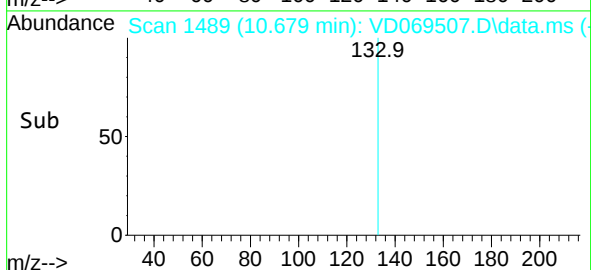
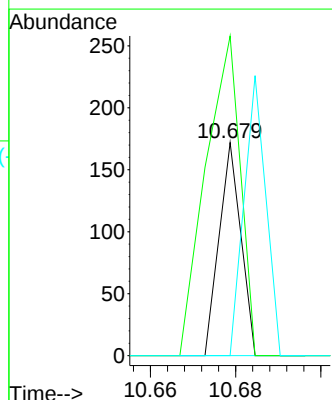
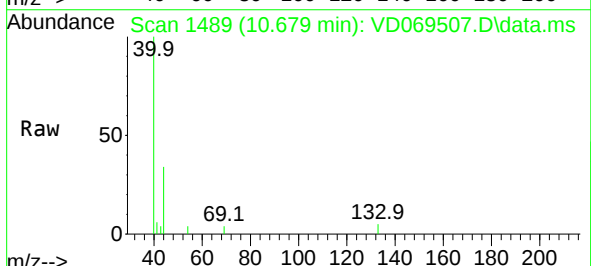
Instrument :
MSVOA_D
ClientSampled :

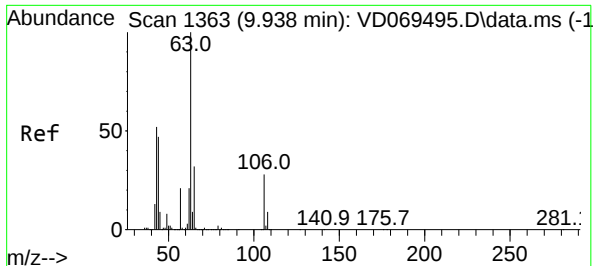
Tgt Ion: 43 Resp: 4596
Ion Ratio Lower Upper
43 100
58 182.9 33.6 50.4#



#56
Ethyl methacrylate
Concen: 2.594 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion: 69 Resp: 61
Ion Ratio Lower Upper
69 100
41 237.7 49.4 74.0#
39 131.1 26.9 40.3#

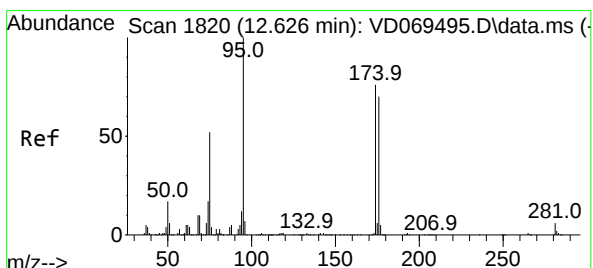
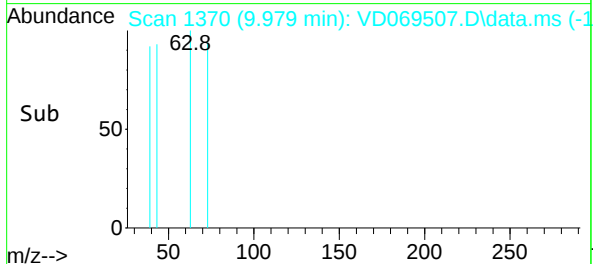
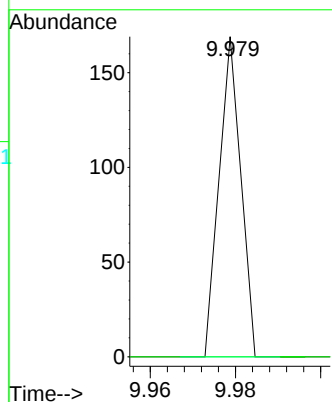
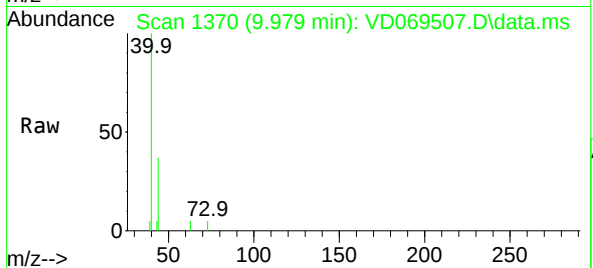




#58
2-Chloroethyl Vinyl ether
Concen: 10.624 ug/l
RT: 9.979 min Scan# 1370
Delta R.T. 0.041 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

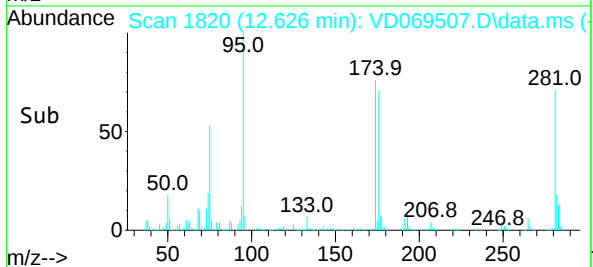
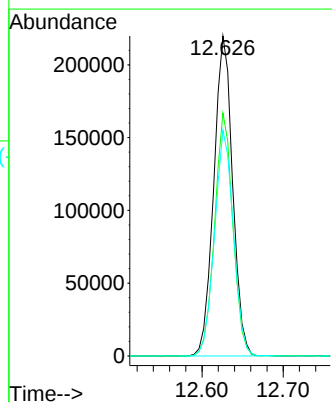
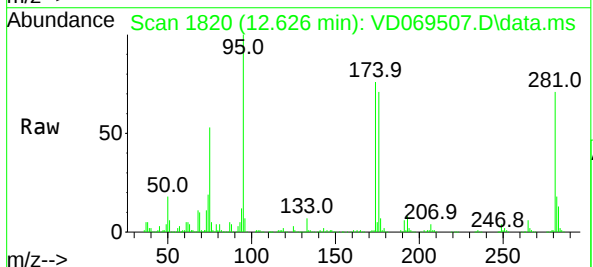
Instrument :
MSVOA_D
ClientSampled :

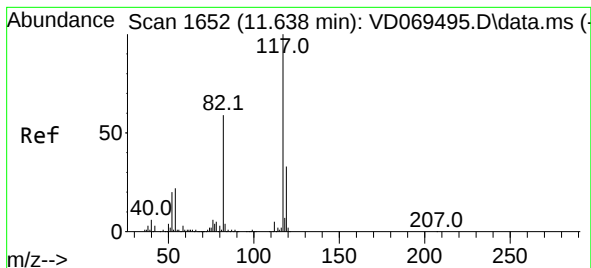
Tgt Ion: 63 Resp: 60
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 58.671 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion: 95 Resp: 353646
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.0
176 70.8 0.0 139.8

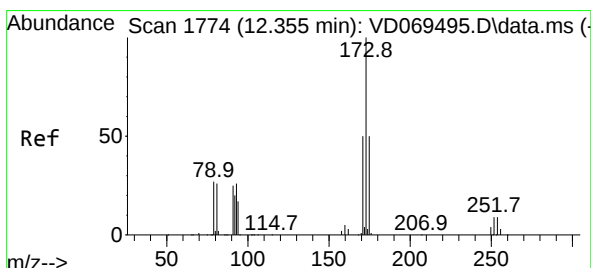
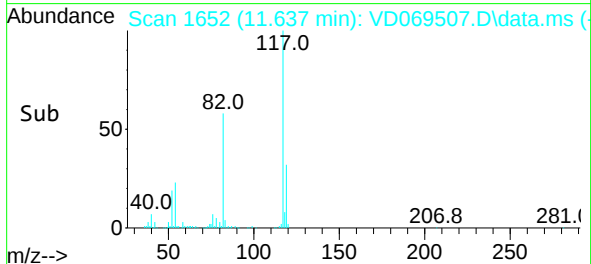
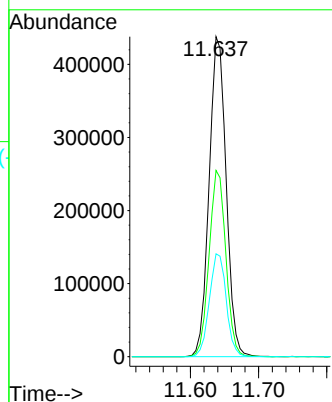
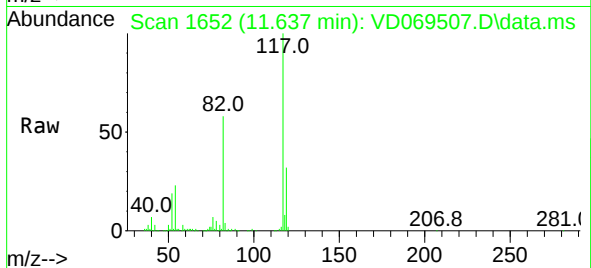




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

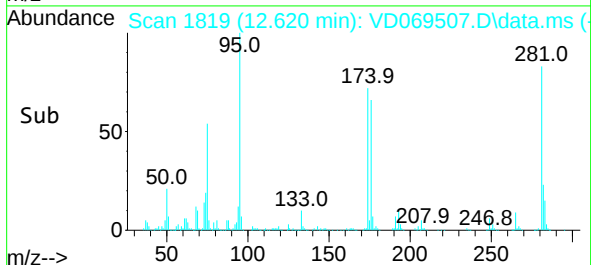
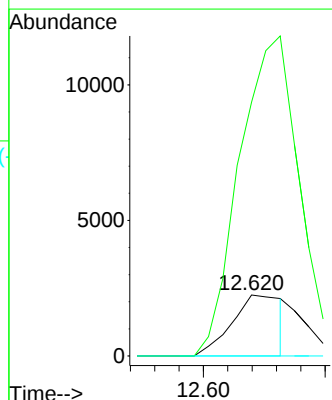
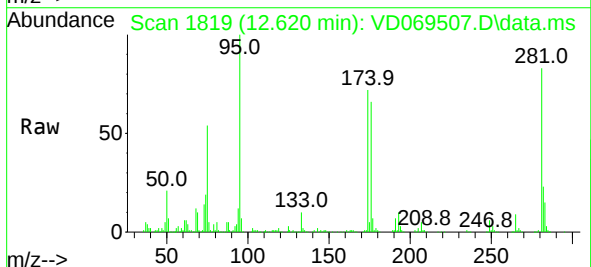
Instrument :
MSVOA_D
ClientSampleId :

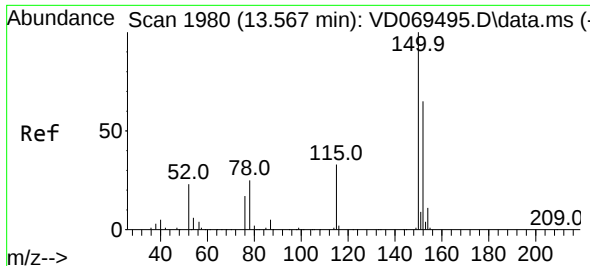
Tgt Ion:117 Resp: 761345
Ion Ratio Lower Upper
117 100
82 58.2 46.8 70.2
119 32.2 26.2 39.2



#71
Bromoform
Concen: 1.157 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.264 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Tgt Ion:173 Resp: 3229
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.1 0.1#

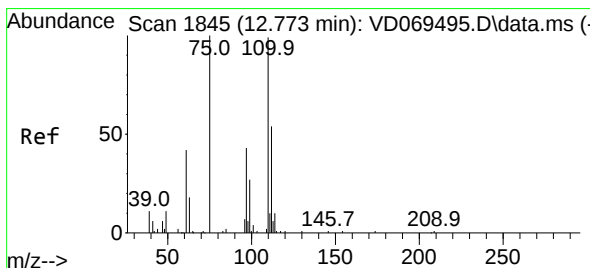
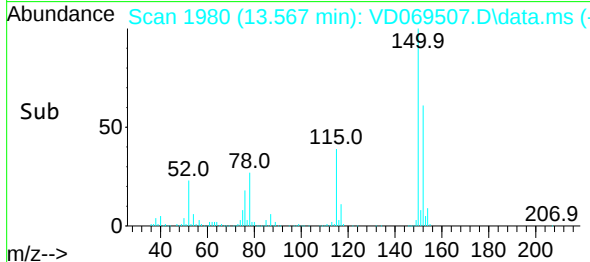
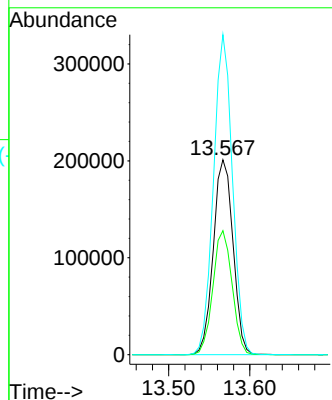
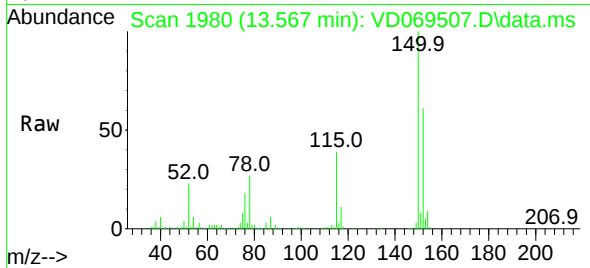




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069507.D
 Acq: 21 Jun 2021 18:49

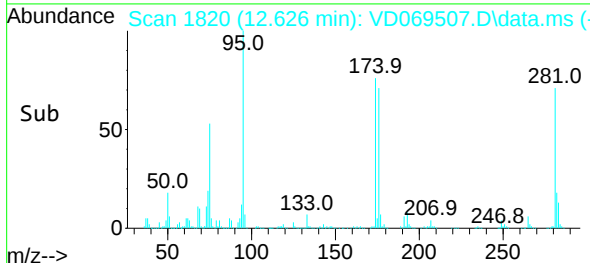
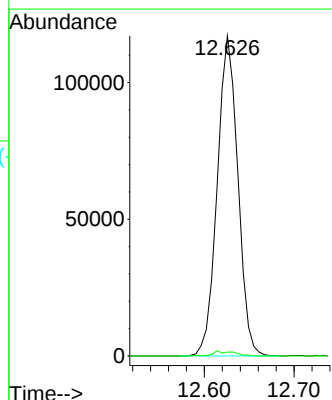
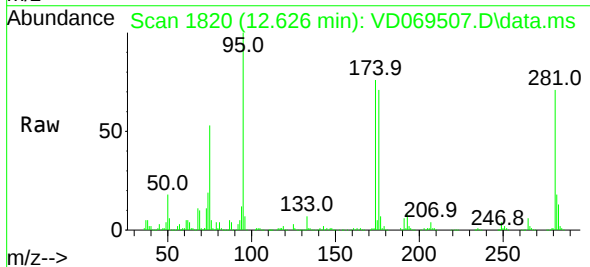
Instrument :
 MSVOA_D
 ClientSampleId :

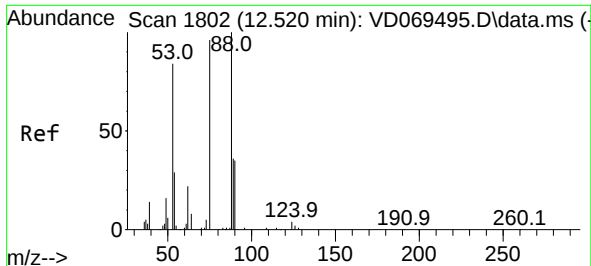
Tgt Ion:152 Resp: 339483
 Ion Ratio Lower Upper
 152 100
 115 62.0 31.7 95.1
 150 157.9 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 56.105 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069507.D
 Acq: 21 Jun 2021 18:49

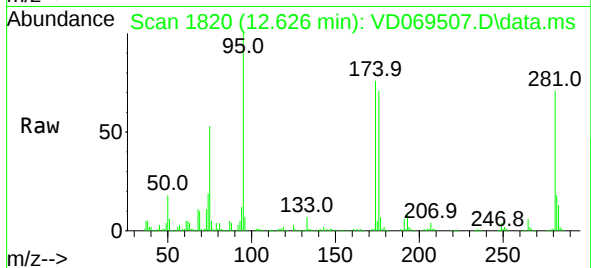
Tgt Ion: 75 Resp: 186968
 Ion Ratio Lower Upper
 75 100
 77 1.6 162.6 487.8#



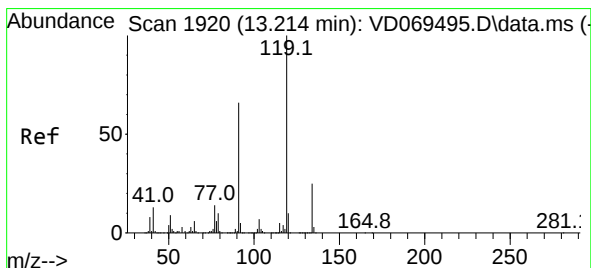
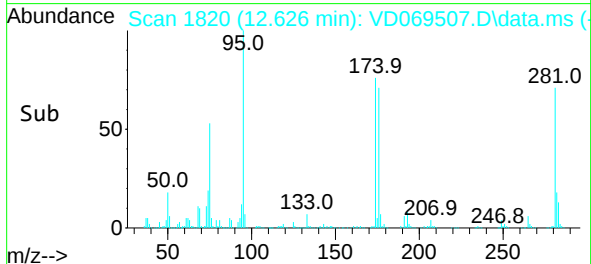
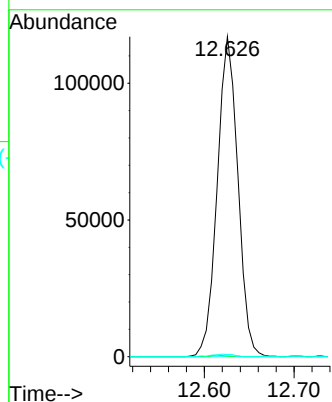


#81
 trans-1,4-Dichloro-2-butene
 Concen: 140.087 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069507.D
 Acq: 21 Jun 2021 18:49

Instrument :
 MSVOA_D
 ClientSampleId :

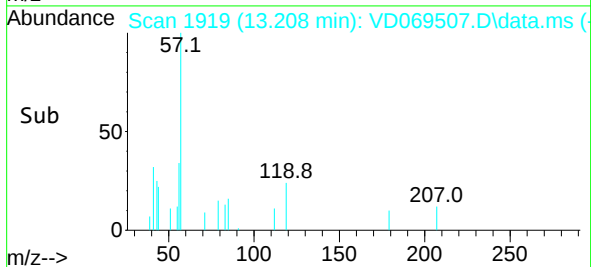
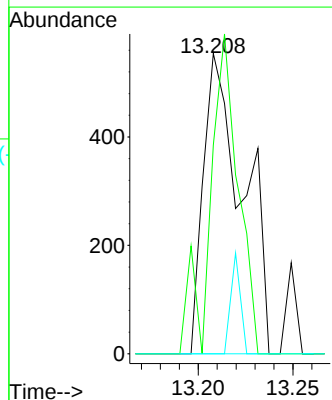
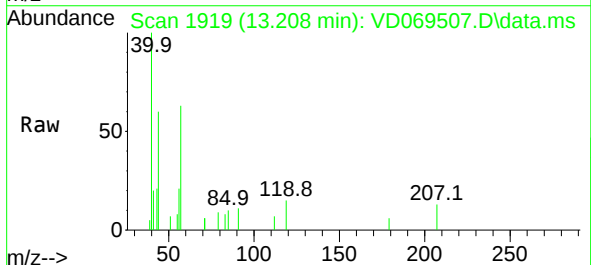


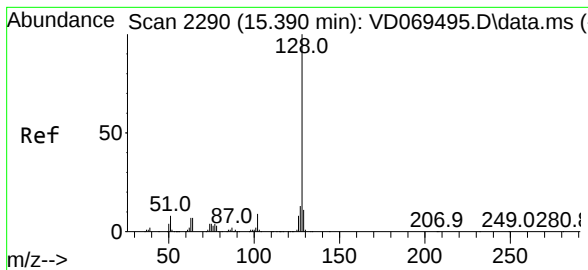
Tgt Ion: 75 Resp: 186968
 Ion Ratio Lower Upper
 75 100
 53 0.4 74.6 112.0#
 89 0.8 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.036 ug/l
 RT: 13.208 min Scan# 1919
 Delta R.T. -0.006 min
 Lab File: VD069507.D
 Acq: 21 Jun 2021 18:49

Tgt Ion: 119 Resp: 799
 Ion Ratio Lower Upper
 119 100
 91 76.2 32.5 97.4
 134 8.3 12.9 38.7#





#95
Naphthalene
Concen: 3.416 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069507.D
Acq: 21 Jun 2021 18:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:128 Resp: 695
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

