

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069542.D
 Acq On : 23 Jun 2021 13:53
 Operator : VA/SY
 Sample : M2801-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:08:18 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)

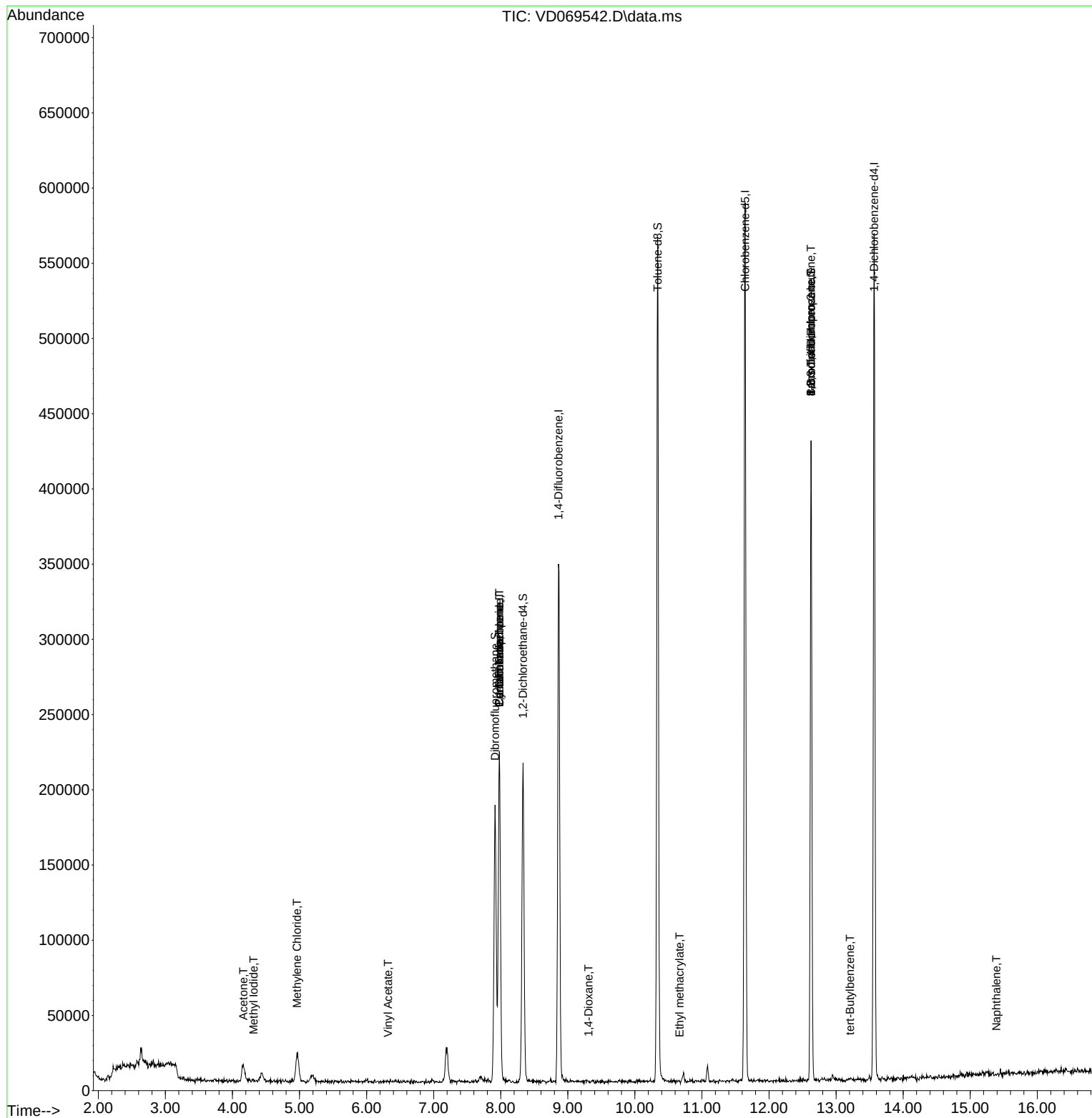
Internal Standards						
1) Pentafluorobenzene	7.979	168	145993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	288166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	336818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	146872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166604	91.552	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 183.100%#			
35) Dibromofluoromethane	7.914	113	128372	65.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.800%			
50) Toluene-d8	10.338	98	380761	52.112	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.220%			
62) 4-Bromofluorobenzene	12.626	95	142794	59.446	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.900%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	607	Below Cal	#	8
10) Methyl Iodide	4.315	142	293	4.117	ug/l #	67
11) Tert butyl alcohol	5.179	59	1690	Below Cal	#	83
16) Acetone	4.162	43	20527	67.017	ug/l	98
18) Methyl Acetate	4.720	43	61	Below Cal	#	49
20) Methylene Chloride	4.962	84	15411	1.748	ug/l #	81
23) Vinyl Acetate	6.320	43	193	19.079	ug/l #	70
31) Cyclohexane	7.979	56	4133	1.687	ug/l #	10
36) 1,1-Dichloropropene	7.979	75	14656	5.182	ug/l #	49
38) Carbon Tetrachloride	7.979	117	16304	5.825	ug/l #	19
49) 1,4-Dioxane	9.308	88	56	5.186	ug/l #	1
56) Ethyl methacrylate	10.667	69	72	2.619	ug/l #	68
71) Bromoform	12.626	173	1428	1.157	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	73422	50.926	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	73422	127.155	ug/l #	13
83) tert-Butylbenzene	13.208	119	263	2.025	ug/l #	27
95) Naphthalene	15.390	128	259	3.407	ug/l #	69

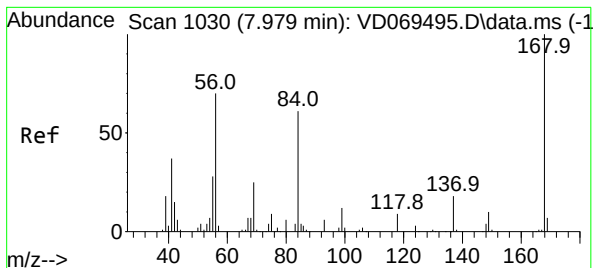
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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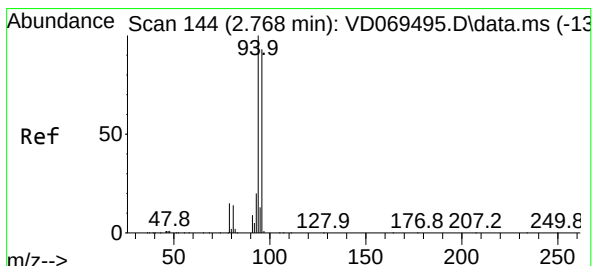
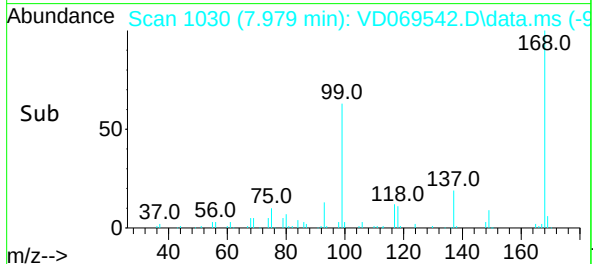
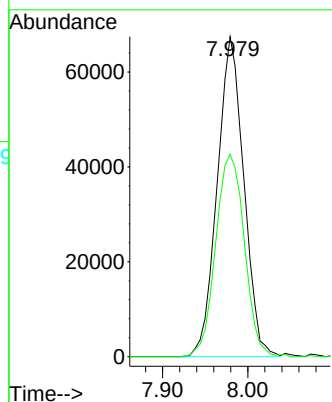
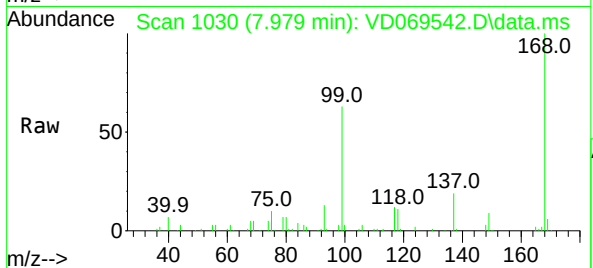




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

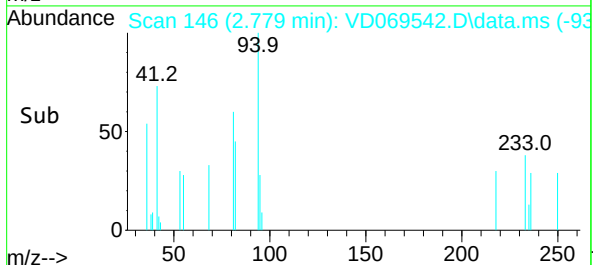
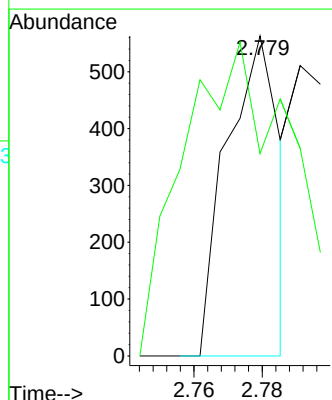
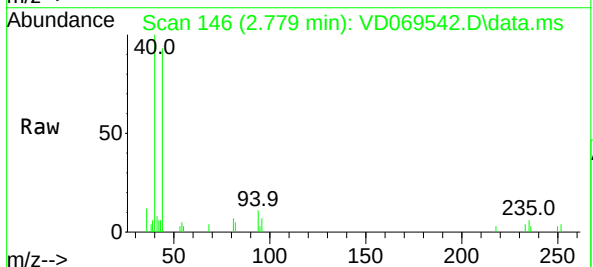
Instrument :
MSVOA_D
ClientSampled :

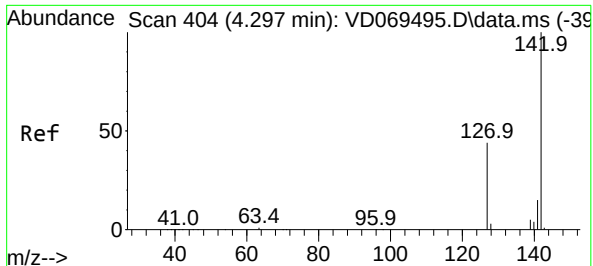
Tgt Ion:168 Resp: 145993
Ion Ratio Lower Upper
168 100
99 63.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion: 94 Resp: 607
Ion Ratio Lower Upper
94 100
96 5.0 74.6 111.8#

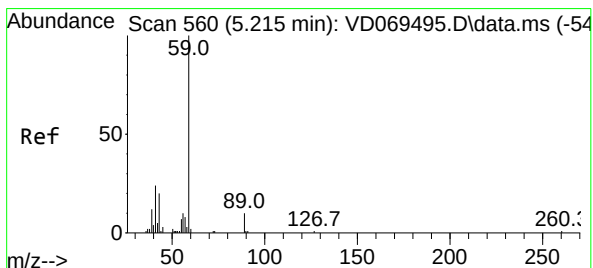
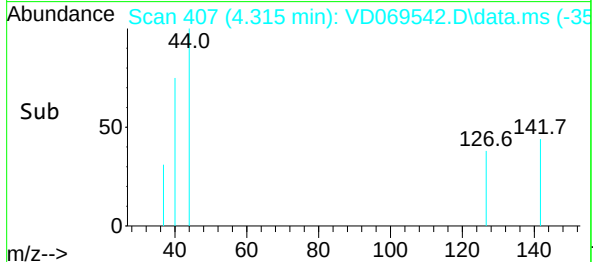
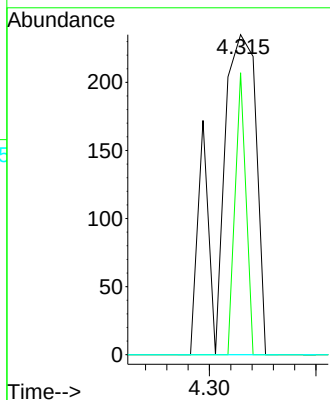
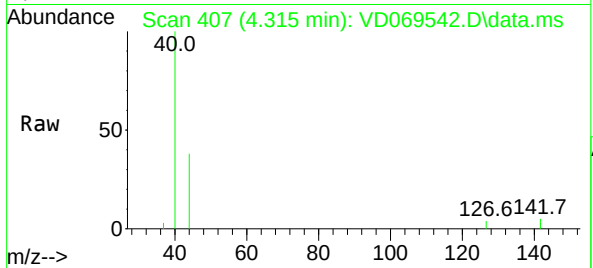




#10
Methyl Iodide
Concen: 4.117 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

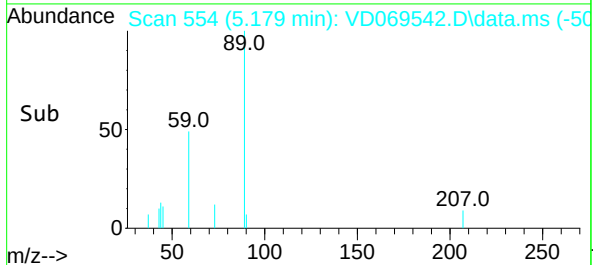
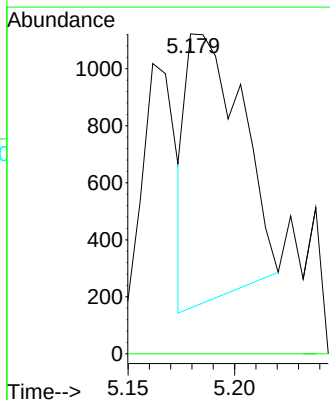
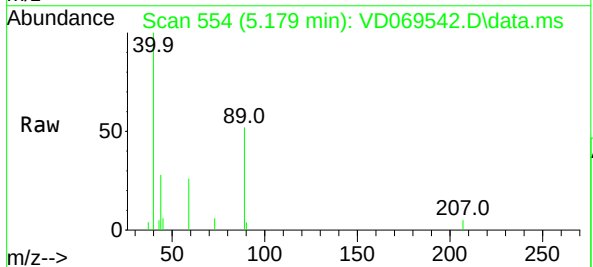
Instrument :
MSVOA_D
ClientSampled :

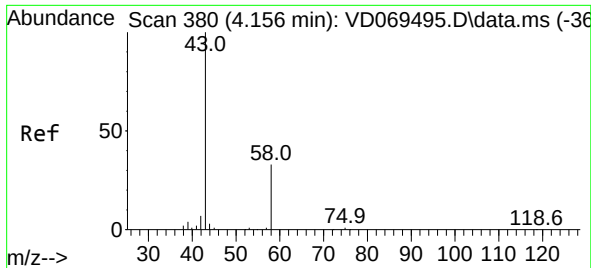
Tgt Ion:142 Resp: 293
Ion Ratio Lower Upper
142 100
127 24.9 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion: 59 Resp: 1690
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

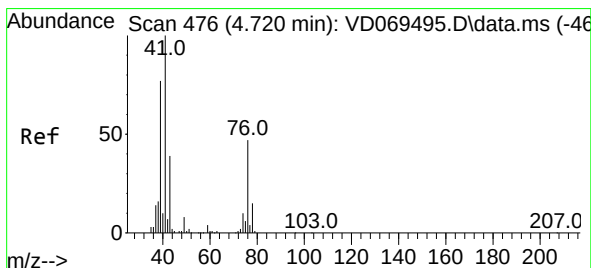
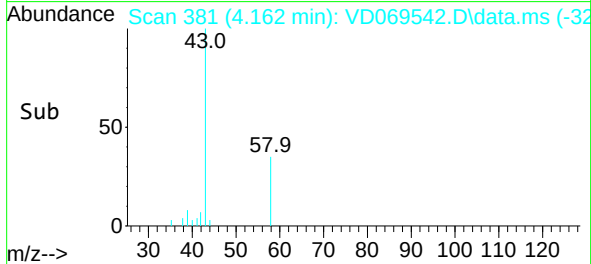
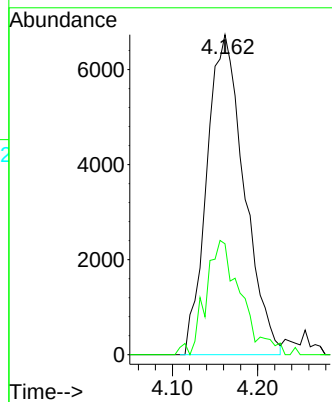
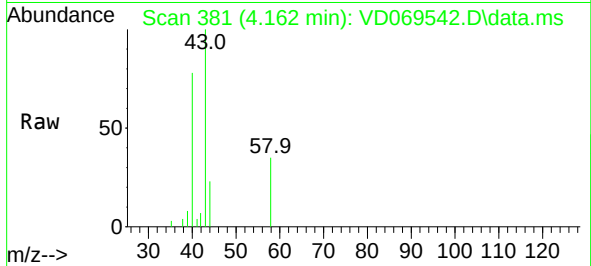




#16
Acetone
Concen: 67.017 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

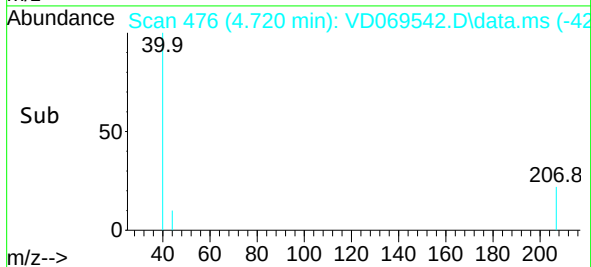
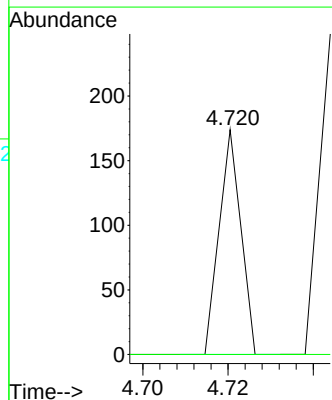
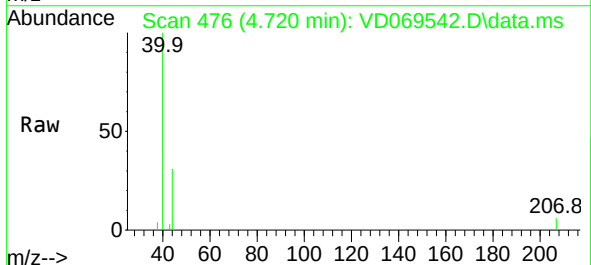
Instrument :
MSVOA_D
ClientSampleId :

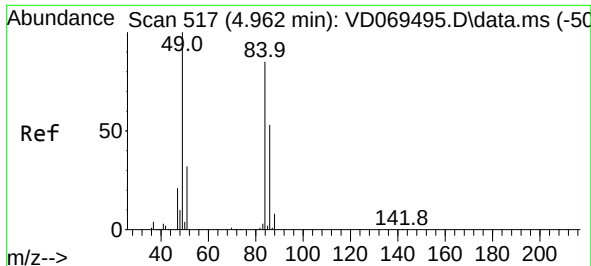
Tgt Ion: 43 Resp: 20527
Ion Ratio Lower Upper
43 100
58 32.4 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

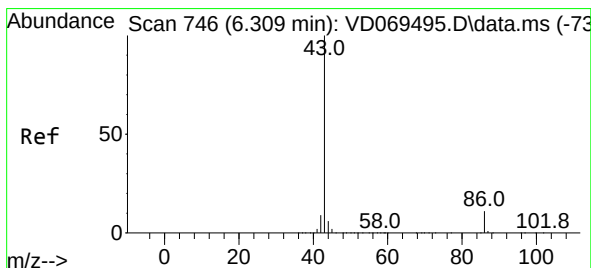
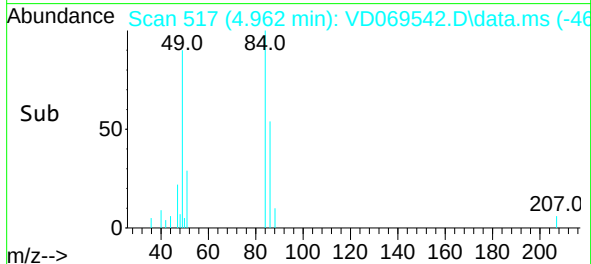
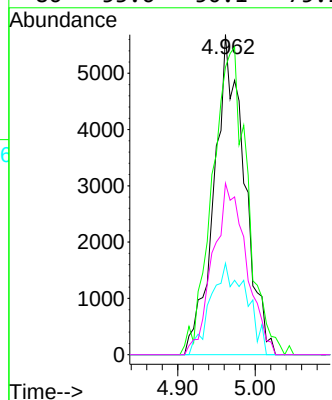
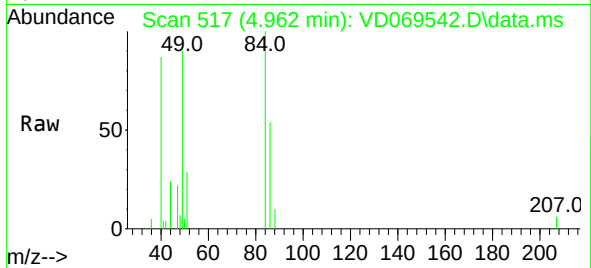




#20
Methylene Chloride
Concen: 1.748 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

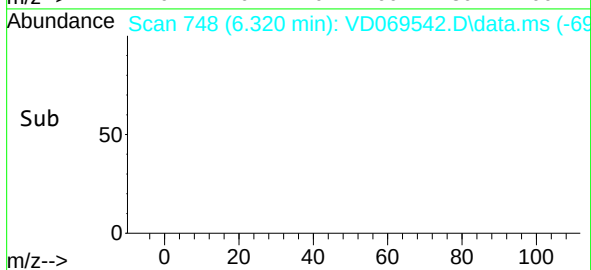
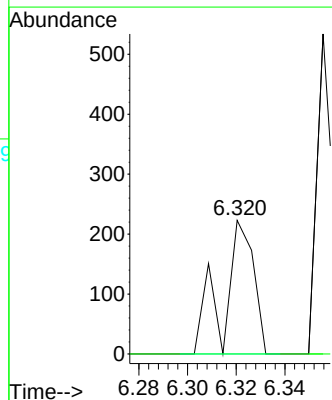
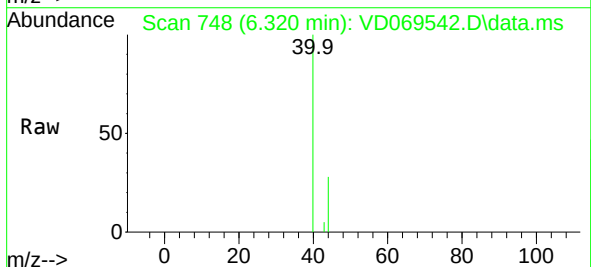
Instrument :
MSVOA_D
ClientSampled :

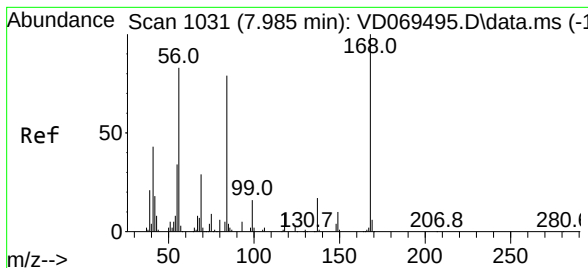
Tgt Ion:	84	Resp:	15411
Ion	Ratio	Lower	Upper
84	100		
49	89.8	94.0	141.0#
51	28.5	29.7	44.5#
86	53.6	50.1	75.1



#23
Vinyl Acetate
Concen: 19.079 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.011 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion:	43	Resp:	193
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

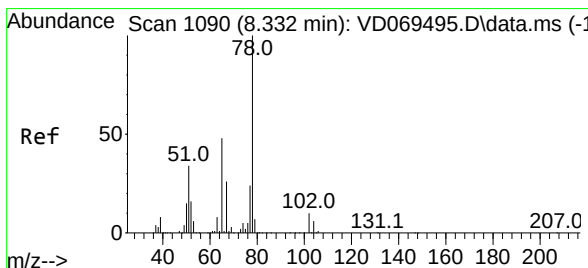
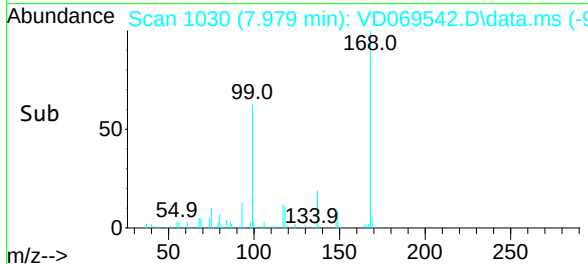
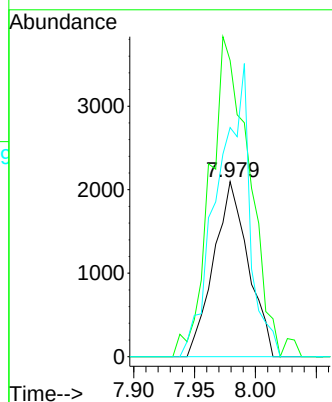
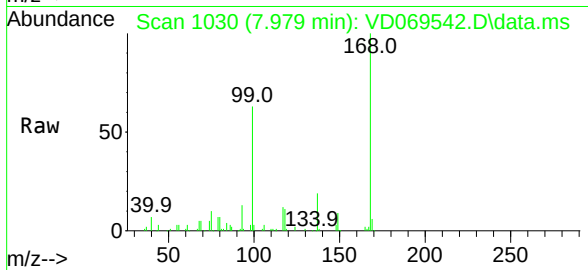




#31
Cyclohexane
Concen: 1.687 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

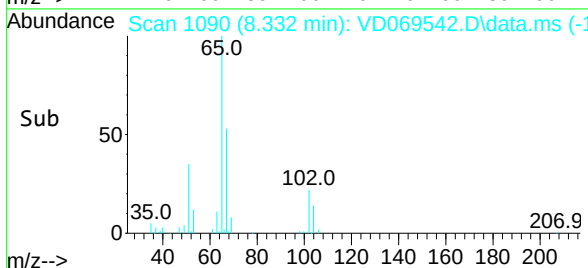
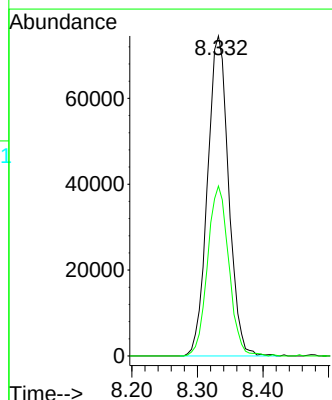
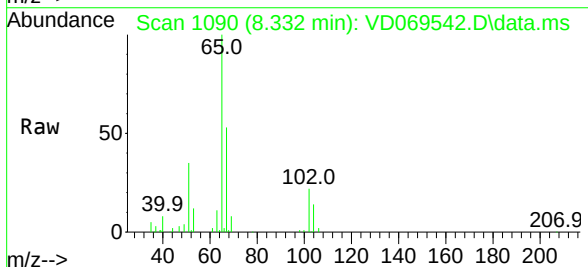
Instrument :
MSVOA_D
ClientSampleId :

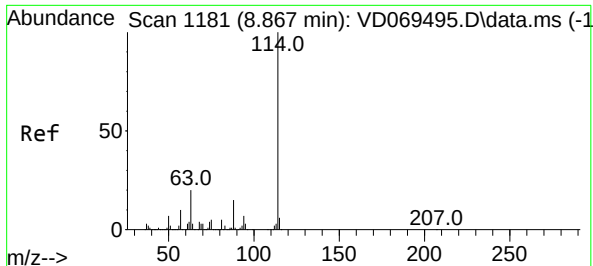
Tgt Ion: 56 Resp: 4133
Ion Ratio Lower Upper
56 100
69 169.3 28.0 42.0#
84 131.0 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 91.552 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion: 65 Resp: 166604
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



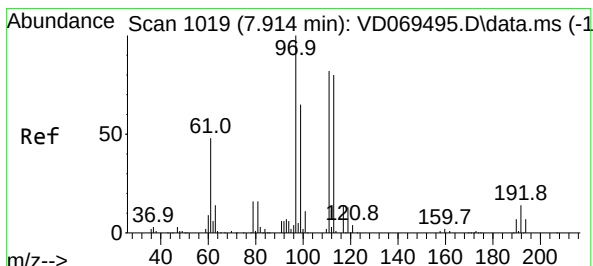
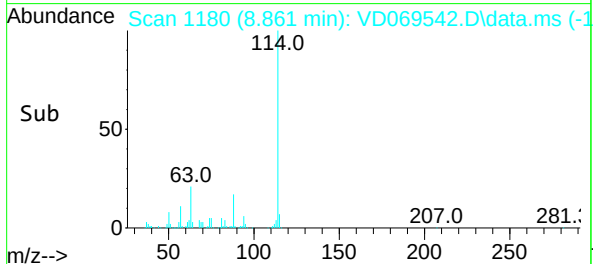
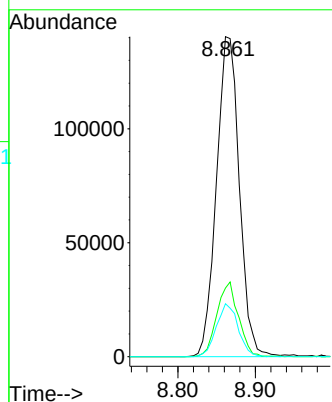
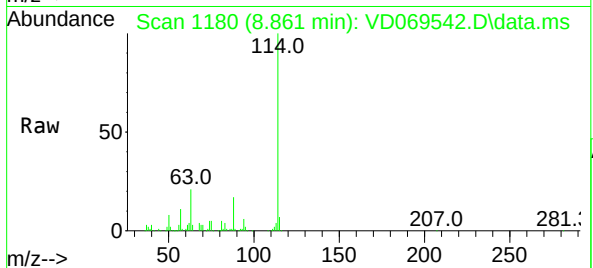


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Instrument :
MSVOA_D
ClientSampleId :

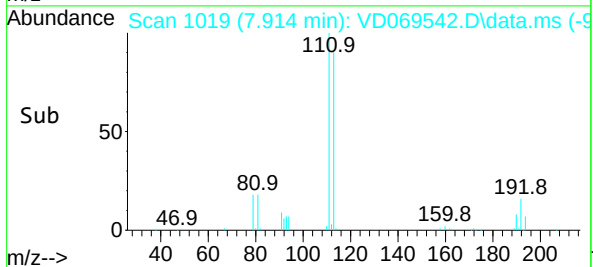
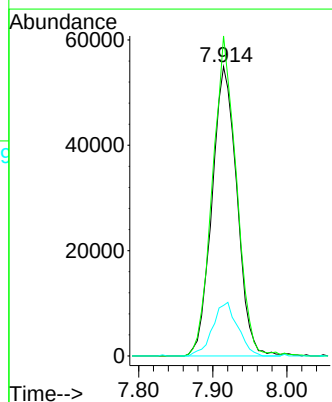
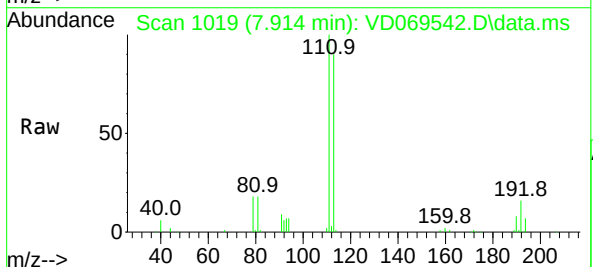
Tgt Ion:114 Resp: 288166
Ion Ratio Lower Upper
114 100
63 21.5 0.0 39.6
88 16.6 0.0 29.8

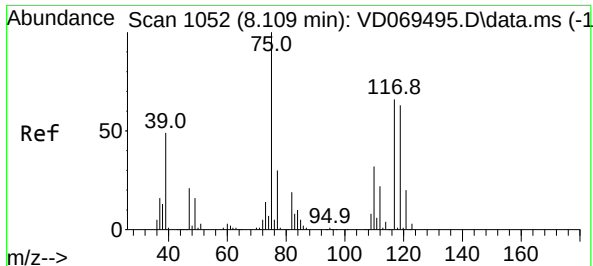


#35

Dibromofluoromethane
Concen: 65.901 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion:113 Resp: 128372
Ion Ratio Lower Upper
113 100
111 106.4 81.8 122.8
192 18.6 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.182 ug/l

RT: 7.979 min Scan# 1030

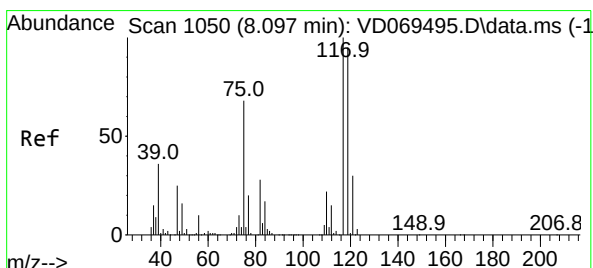
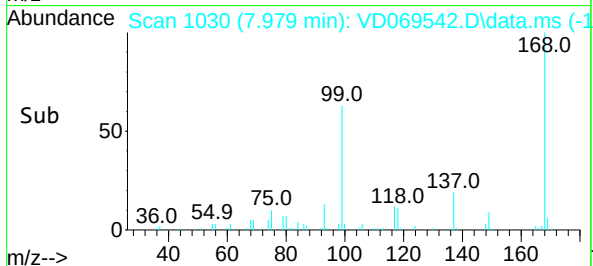
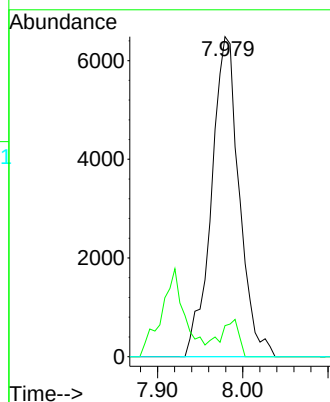
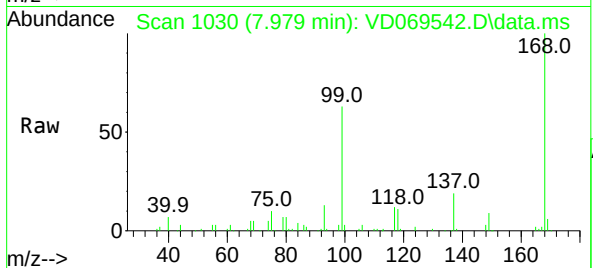
Delta R.T. -0.129 min

Lab File: VD069542.D

Acq: 23 Jun 2021 13:53

Tgt Ion:	75	Resp:	14656
Ion	Ratio	Lower	Upper
75	100		
110	7.5	16.8	50.4#
77	0.0	24.3	36.5#

Instrument :
MSVOA_D
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.825 ug/l

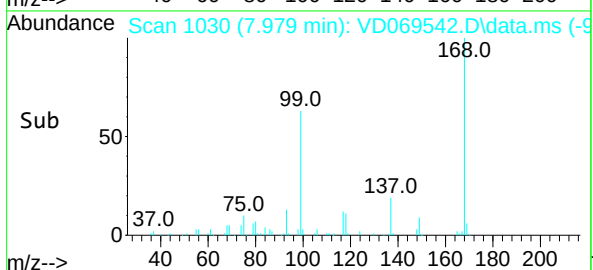
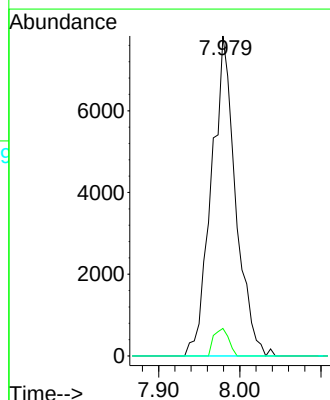
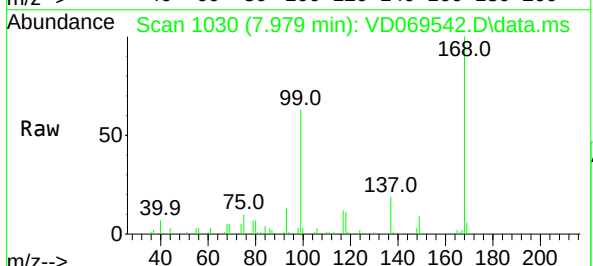
RT: 7.979 min Scan# 1030

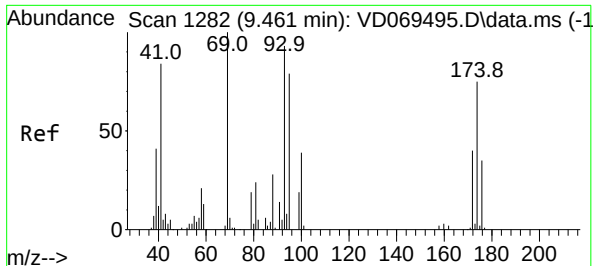
Delta R.T. -0.118 min

Lab File: VD069542.D

Acq: 23 Jun 2021 13:53

Tgt Ion:	117	Resp:	16304
Ion	Ratio	Lower	Upper
117	100		
119	8.6	75.6	113.4#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 5.186 ug/l

RT: 9.308 min Scan# 1256

Delta R.T. -0.153 min

Lab File: VD069542.D

Acq: 23 Jun 2021 13:53

Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

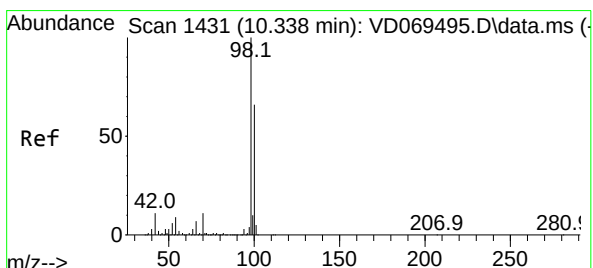
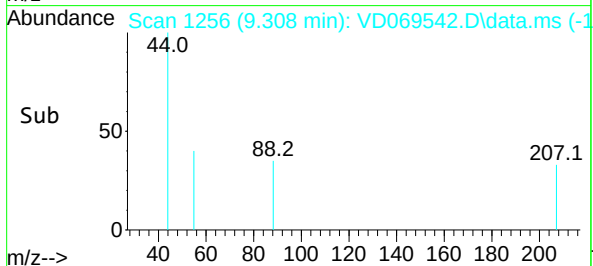
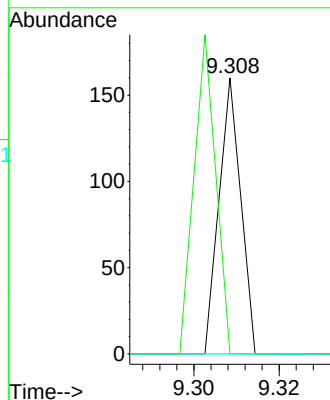
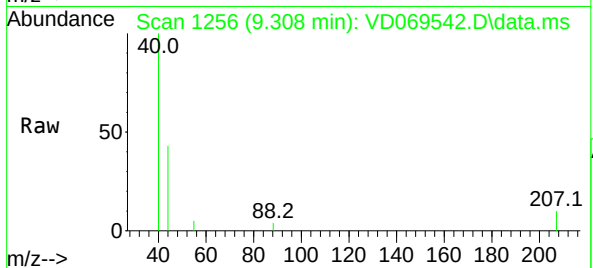
43 116.1 26.5 39.7#

58 0.0 56.0 84.0#

Instrument :

MSVOA_D

ClientSampleId :



#50

Toluene-d8

Concen: 52.112 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD069542.D

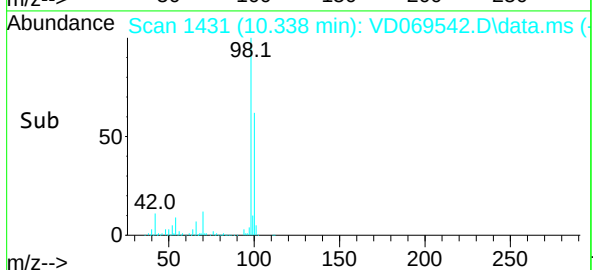
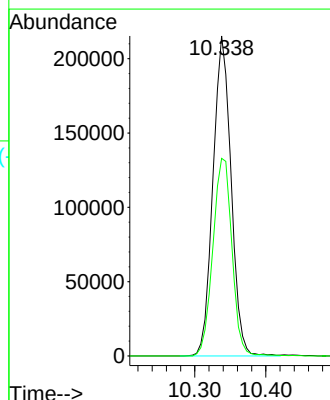
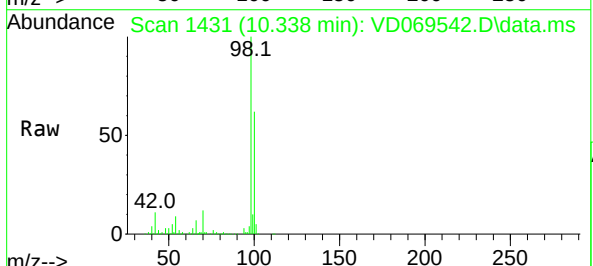
Acq: 23 Jun 2021 13:53

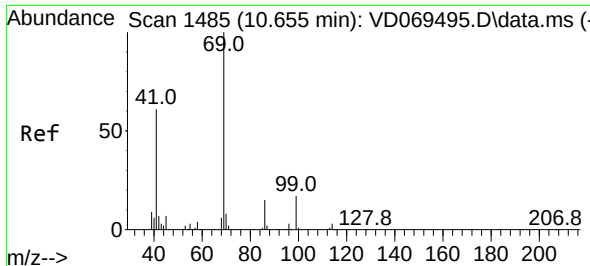
Tgt Ion: 98 Resp: 380761

Ion Ratio Lower Upper

98 100

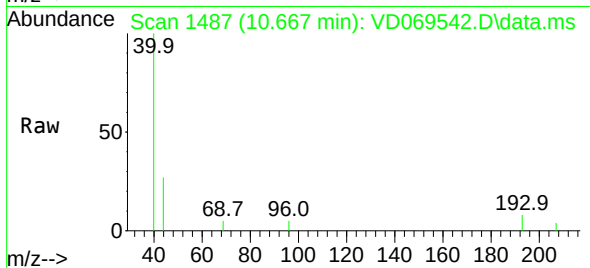
100 65.0 52.3 78.5



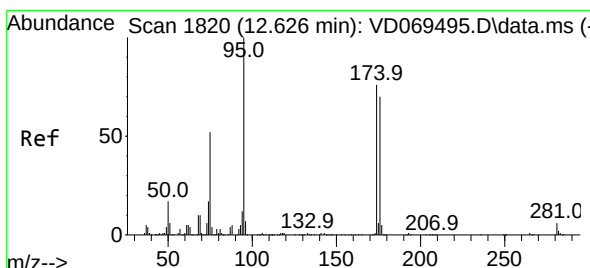
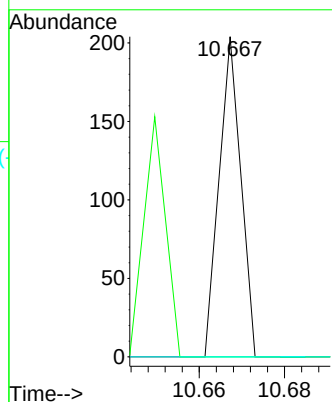
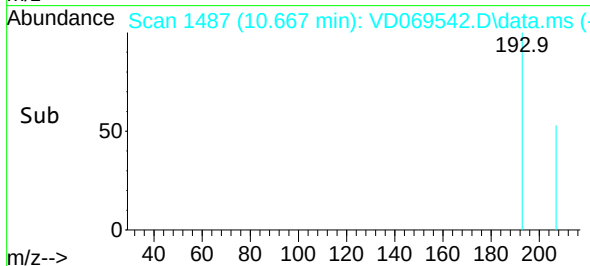


#56
Ethyl methacrylate
Concen: 2.619 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

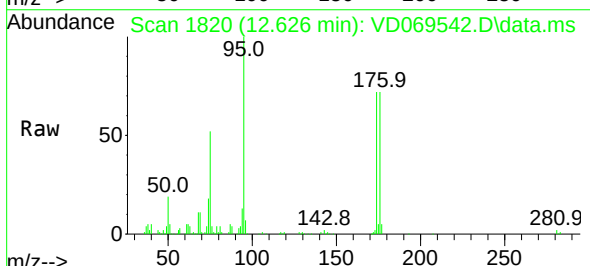
Instrument :
MSVOA_D
ClientSampleId :



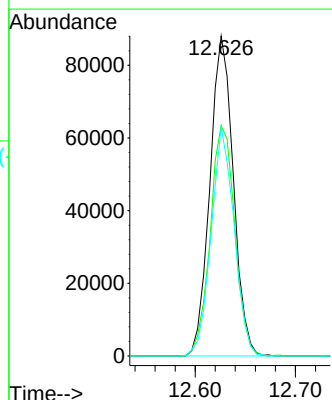
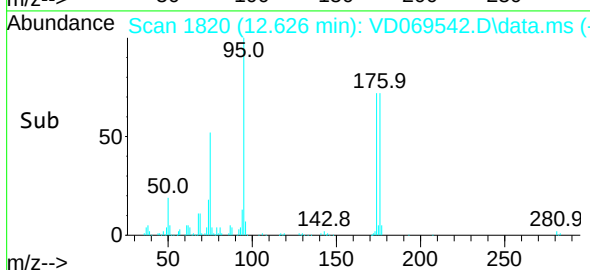
Tgt Ion: 69 Resp: 72
Ion Ratio Lower Upper
69 100
41 75.0 49.4 74.0#
39 0.0 26.9 40.3#

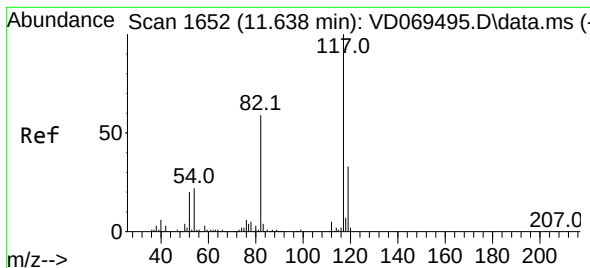


#62
4-Bromofluorobenzene
Concen: 59.446 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53



Tgt Ion: 95 Resp: 142794
Ion Ratio Lower Upper
95 100
174 75.5 0.0 148.0
176 70.3 0.0 139.8

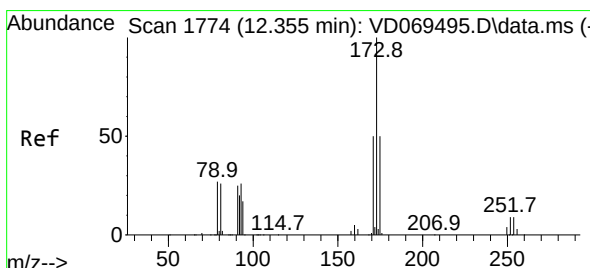
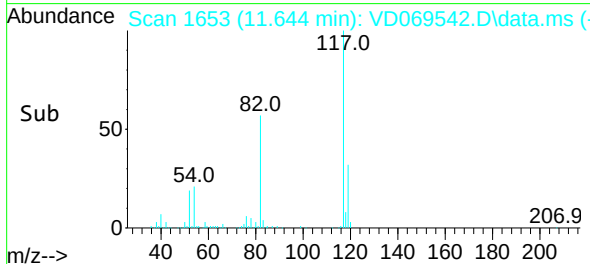
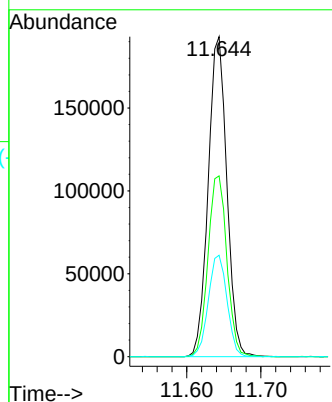
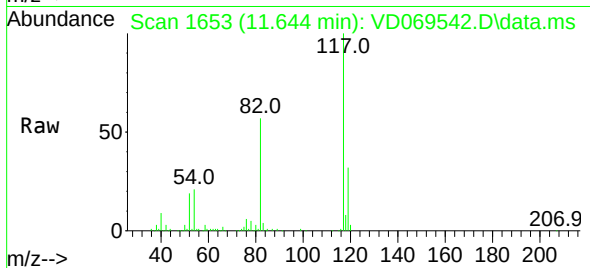




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

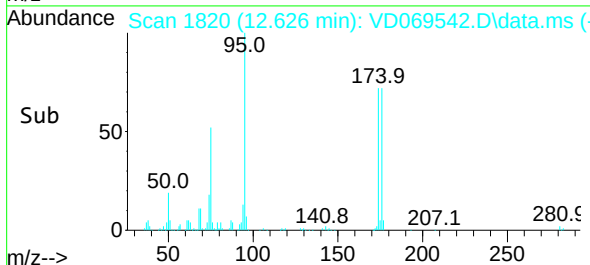
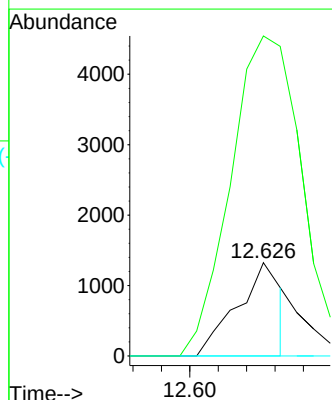
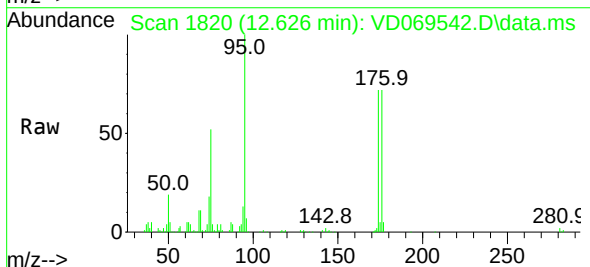
Instrument :
MSVOA_D
ClientSampleId :

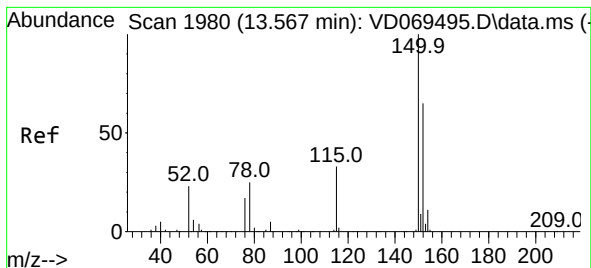
Tgt Ion:117 Resp: 336818
Ion Ratio Lower Upper
117 100
82 56.5 46.8 70.2
119 31.7 26.2 39.2



#71
Bromoform
Concen: 1.157 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Tgt Ion:173 Resp: 1428
Ion Ratio Lower Upper
173 100
175 420.0 24.6 73.8#
254 0.0 0.1 0.1#

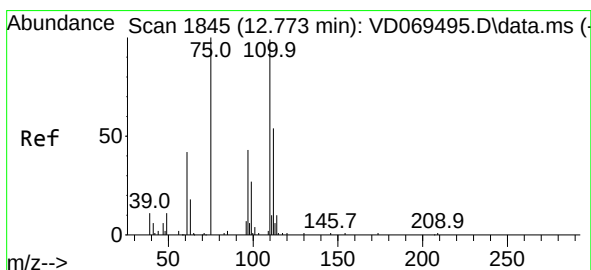
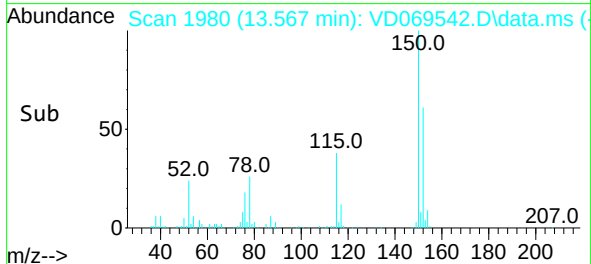
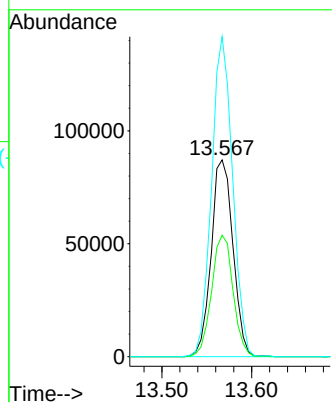
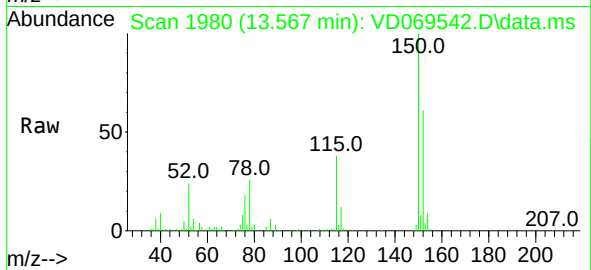




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

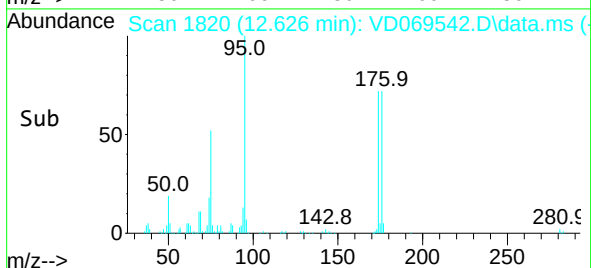
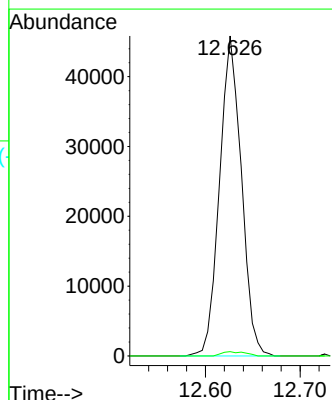
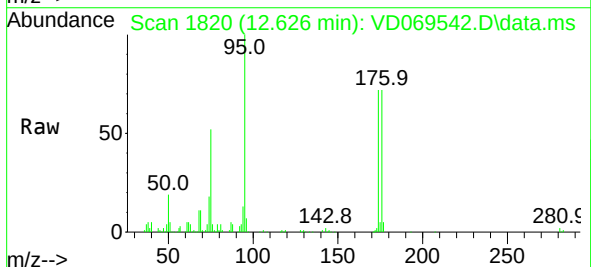
Instrument :
MSVOA_D
ClientSampleId :

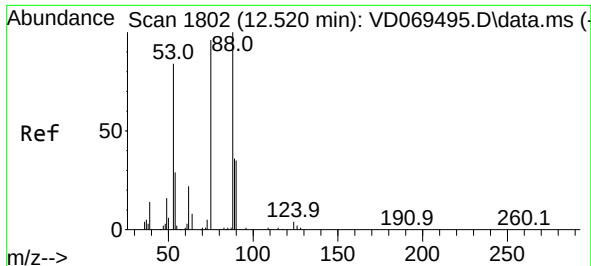
Tgt Ion:152 Resp: 146872
Ion Ratio Lower Upper
152 100
115 60.8 31.7 95.1
150 157.1 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 50.926 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

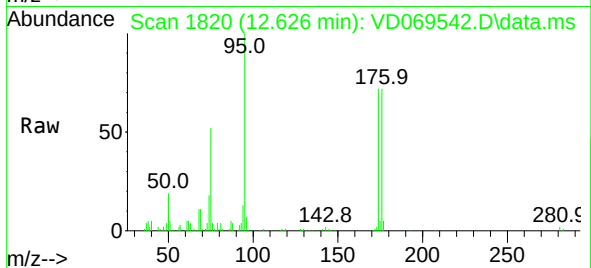
Tgt Ion: 75 Resp: 73422
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



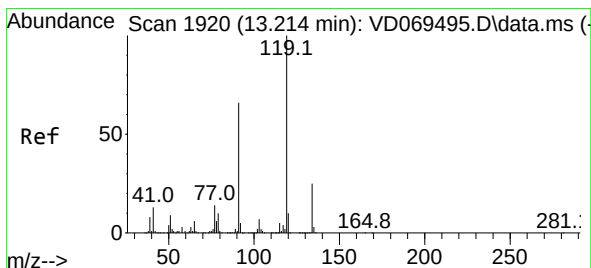
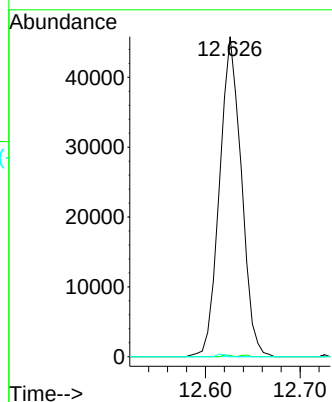
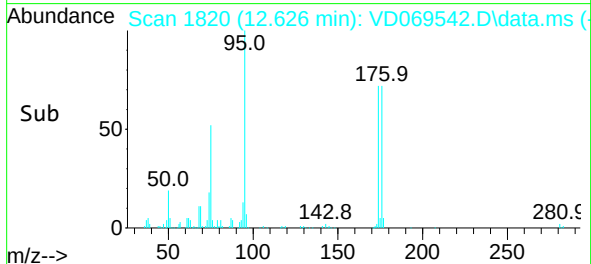


#81
trans-1,4-Dichloro-2-butene
Concen: 127.155 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

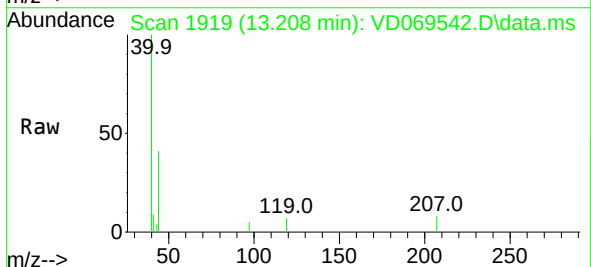
Instrument :
MSVOA_D
ClientSampleId :



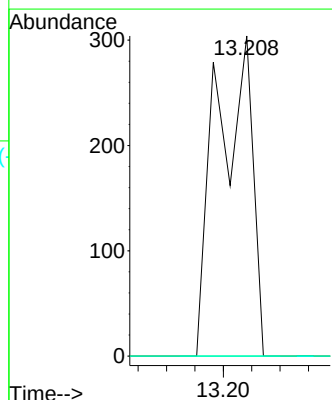
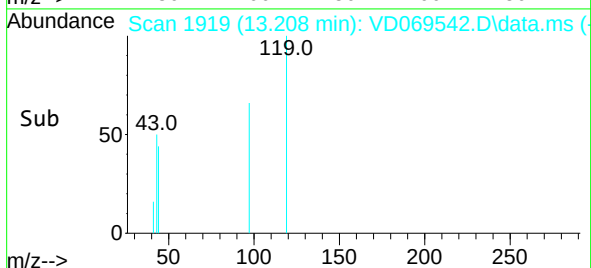
Tgt Ion: 75 Resp: 73422
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.3 35.3 52.9#

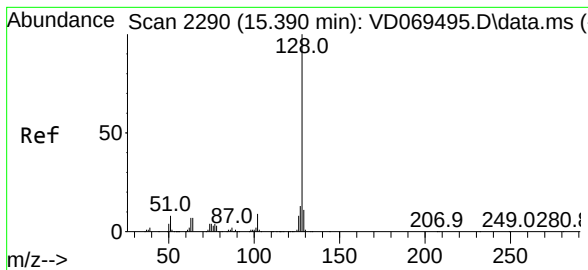


#83
tert-Butylbenzene
Concen: 2.025 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53



Tgt Ion: 119 Resp: 263
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.407 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069542.D
Acq: 23 Jun 2021 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 259
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

