

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069536.D
 Acq On : 23 Jun 2021 10:56
 Operator : VA/SY
 Sample : VD0623SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:05:55 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)

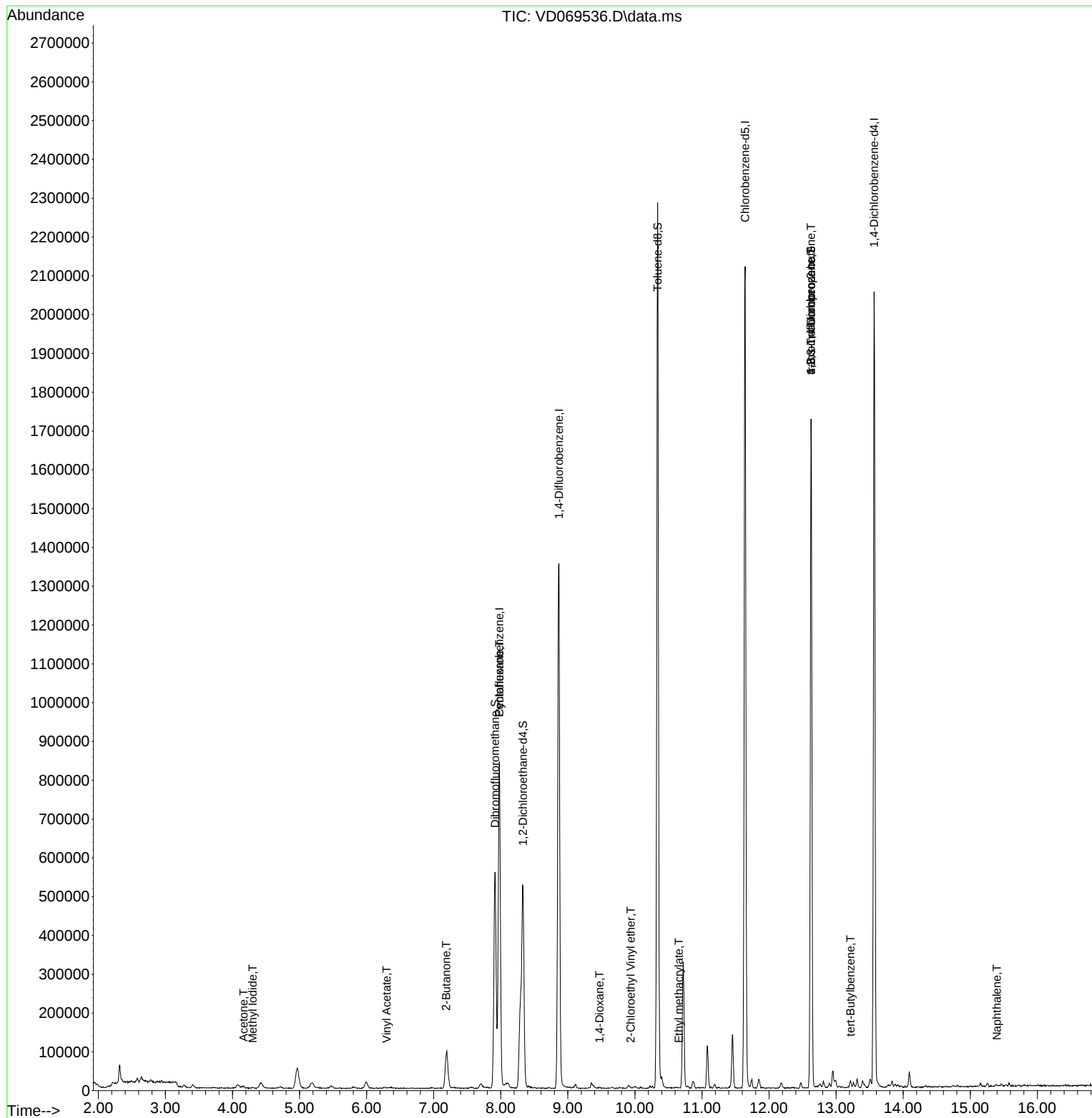
Internal Standards						
1) Pentafluorobenzene	7.979	168	566479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1165218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1215318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	528792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	411364	58.258	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.520%			
35) Dibromofluoromethane	7.914	113	402556	51.108	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.220%			
50) Toluene-d8	10.337	98	1511750	51.168	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.625	95	543610	55.967	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	4228	Below Cal	#	65
10) Methyl Iodide	4.302	142	1801	4.220	ug/l #	79
11) Tert butyl alcohol	5.185	59	14149	Below Cal	#	84
16) Acetone	4.167	43	7808	6.570	ug/l #	75
18) Methyl Acetate	4.714	43	213	Below Cal	#	49
20) Methylene Chloride	4.955	84	42263	Below Cal		86
23) Vinyl Acetate	6.296	43	1602	19.158	ug/l #	70
25) 2-Butanone	7.185	43	6047	4.004	ug/l #	74
31) Cyclohexane	7.979	56	17389	1.829	ug/l #	21
49) 1,4-Dioxane	9.473	88	151	3.458	ug/l #	23
56) Ethyl methacrylate	10.655	69	458	2.640	ug/l #	67
58) 2-Chloroethyl Vinyl ether	9.937	63	1220	10.904	ug/l #	58
76) 1,2,3-Trichloropropane	12.625	75	275304	53.037	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	275304	132.427	ug/l #	12
83) tert-Butylbenzene	13.214	119	6276	2.212	ug/l	99
95) Naphthalene	15.396	128	4338	3.600	ug/l #	95

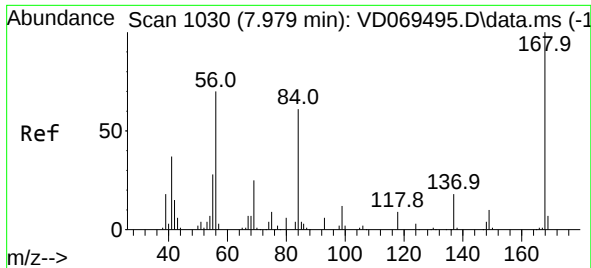
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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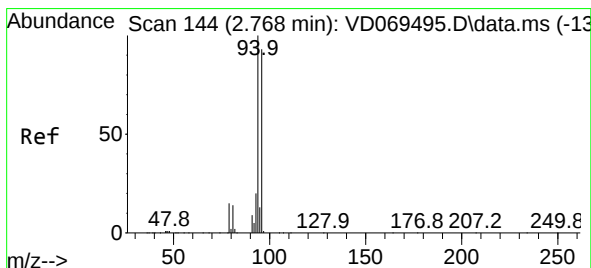
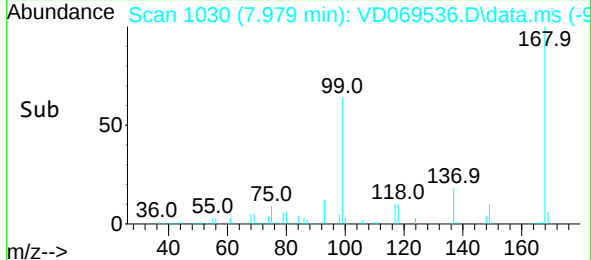
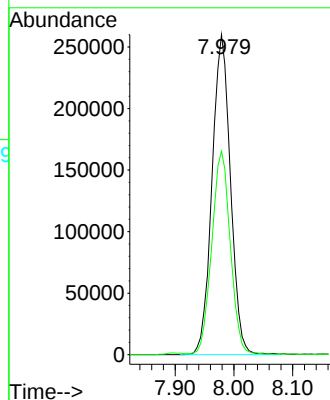
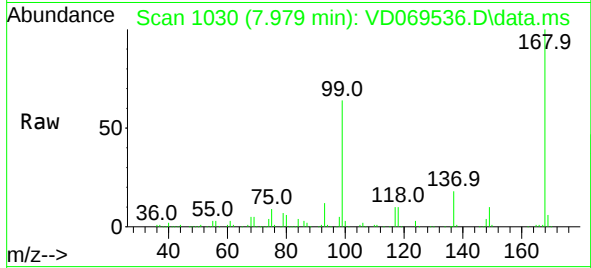




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

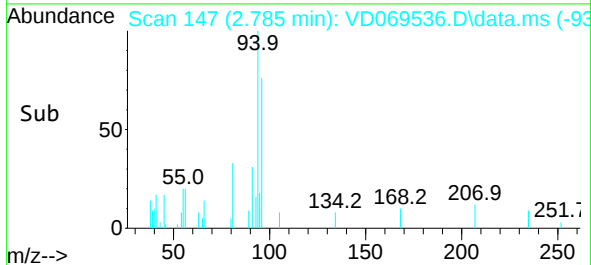
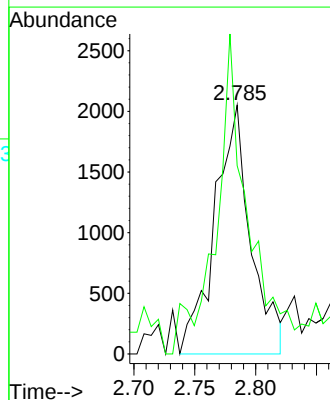
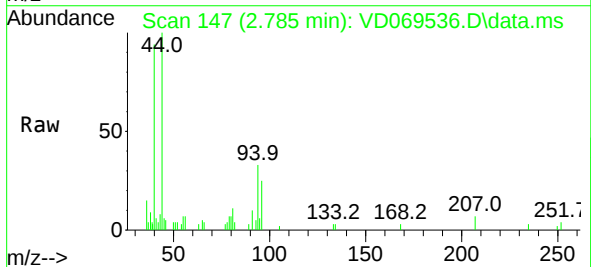
Instrument :
MSVOA_D
ClientSampleId :

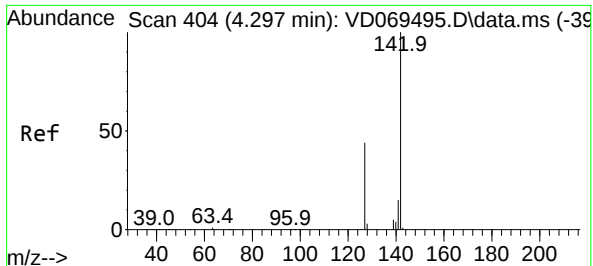
Tgt Ion:168 Resp: 566479
Ion Ratio Lower Upper
168 100
99 63.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion: 94 Resp: 4228
Ion Ratio Lower Upper
94 100
96 59.5 74.6 111.8#





#10

Methyl Iodide

Concen: 4.220 ug/l

RT: 4.302 min Scan# 405

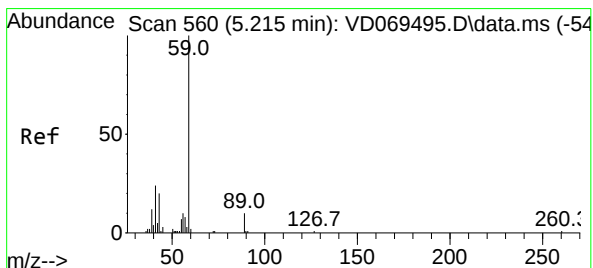
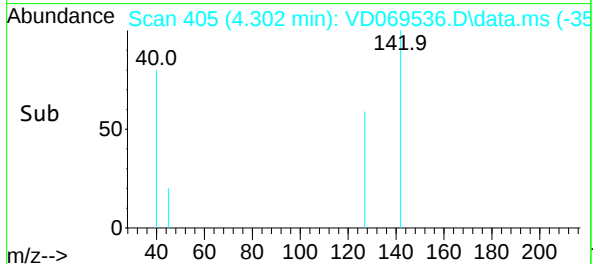
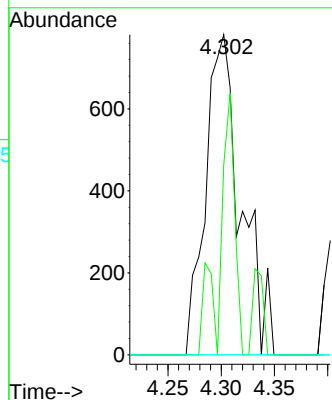
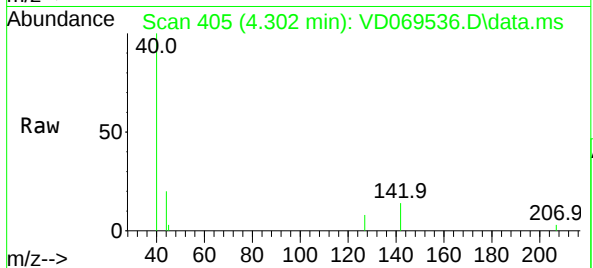
Delta R.T. 0.005 min

Lab File: VD069536.D

Acq: 23 Jun 2021 10:56

Tgt Ion:	142	Resp:	1801
Ion	Ratio	Lower	Upper
142	100		
127	35.0	36.5	54.7#
141	0.0	12.0	18.0#

Instrument :
MSVOA_D
ClientSampled :



#11

Tert butyl alcohol

Concen: Below Cal

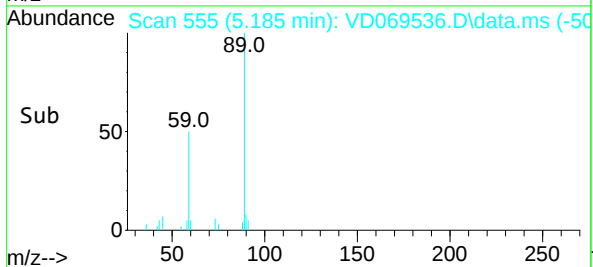
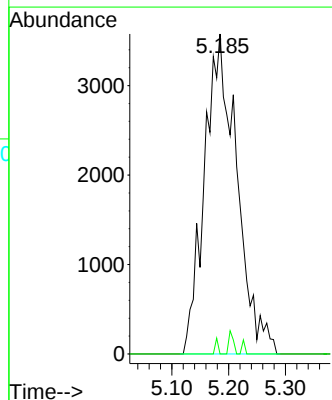
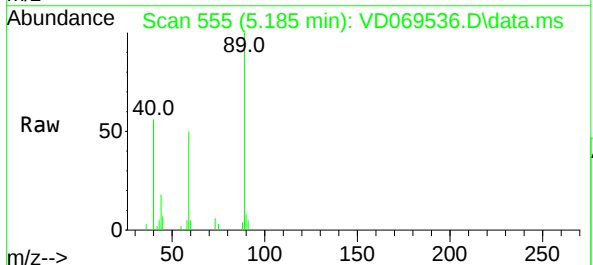
RT: 5.185 min Scan# 555

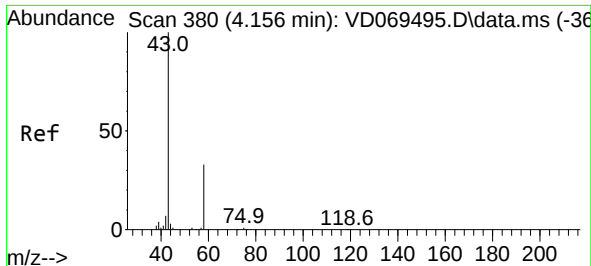
Delta R.T. -0.030 min

Lab File: VD069536.D

Acq: 23 Jun 2021 10:56

Tgt Ion:	59	Resp:	14149
Ion	Ratio	Lower	Upper
59	100		
57	0.4	4.6	7.0#

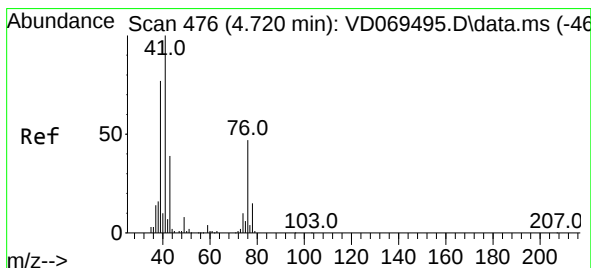
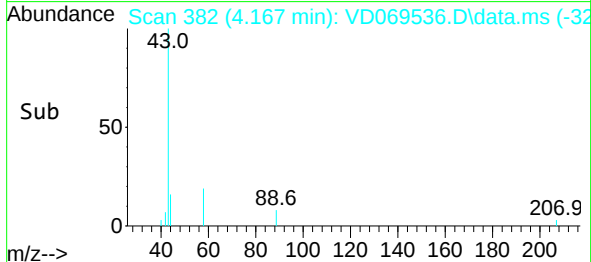
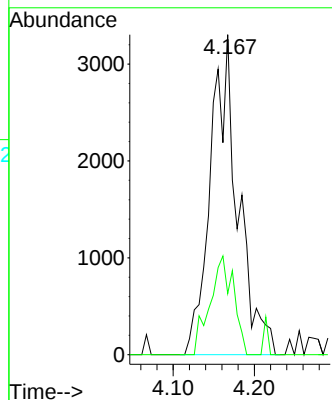
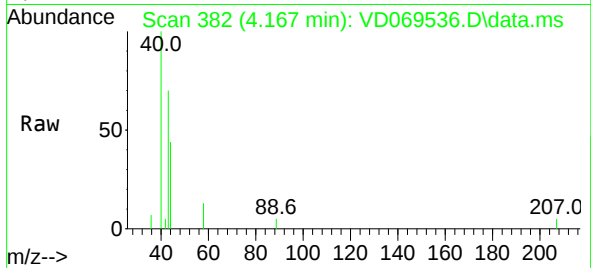




#16
Acetone
Concen: 6.570 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

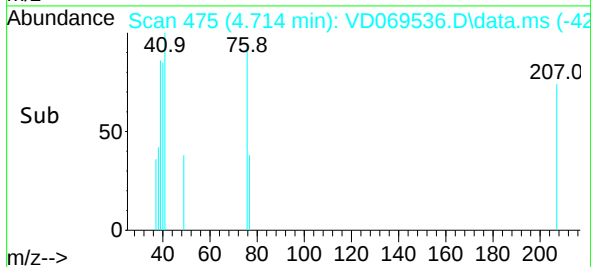
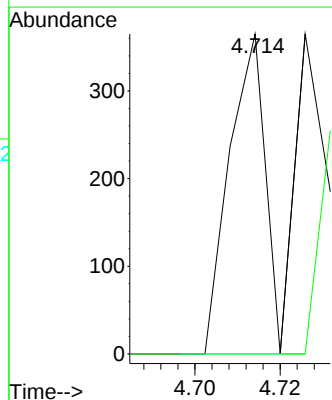
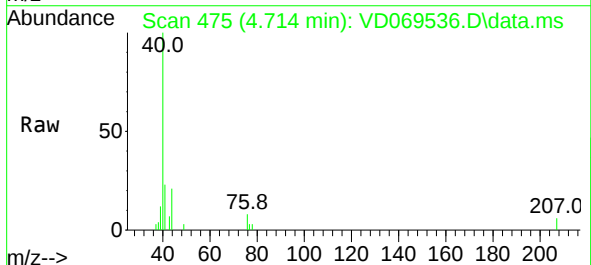
Instrument :
MSVOA_D
ClientSampled :

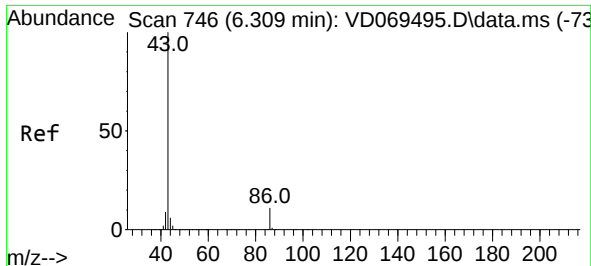
Tgt Ion: 43 Resp: 7808
Ion Ratio Lower Upper
43 100
58 19.1 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

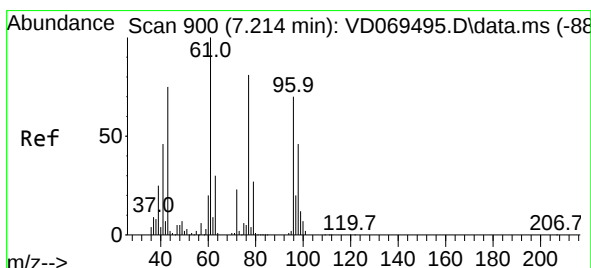
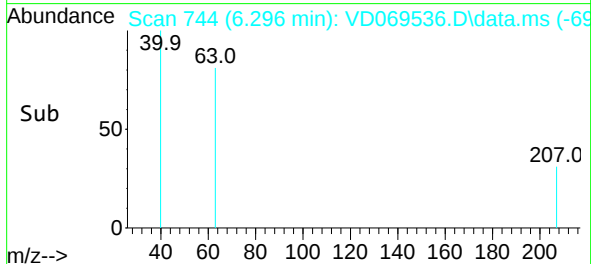
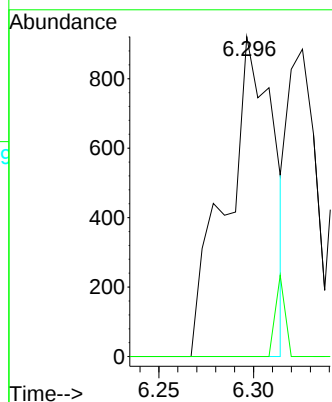
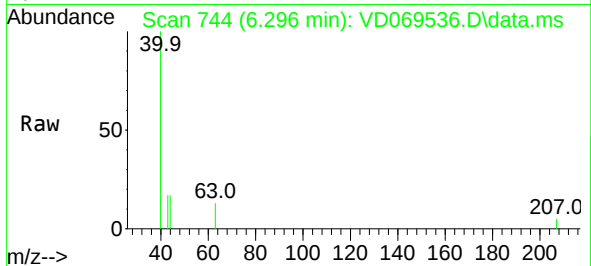




#23
 Vinyl Acetate
 Concen: 19.158 ug/l
 RT: 6.296 min Scan# 744
 Delta R.T. -0.013 min
 Lab File: VD069536.D
 Acq: 23 Jun 2021 10:56

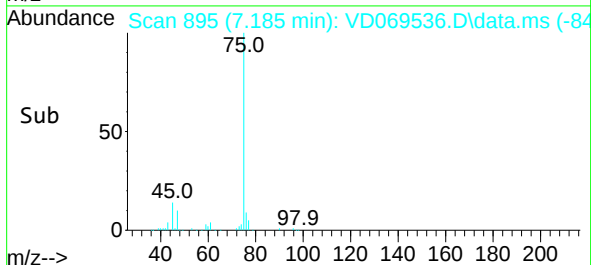
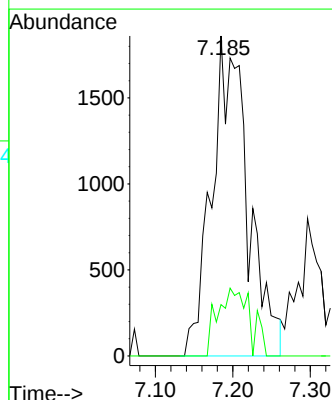
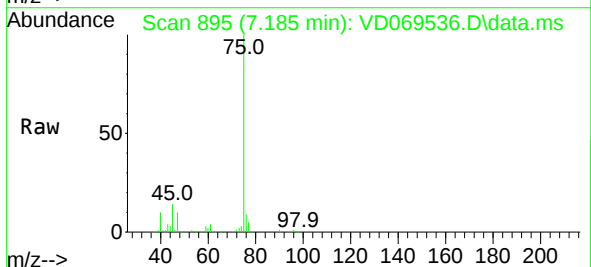
Instrument :
 MSVOA_D
 ClientSampled :

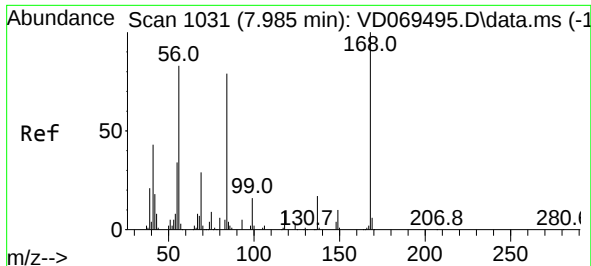
Tgt Ion: 43 Resp: 1602
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 4.004 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD069536.D
 Acq: 23 Jun 2021 10:56

Tgt Ion: 43 Resp: 6047
 Ion Ratio Lower Upper
 43 100
 72 16.0 24.3 36.5#

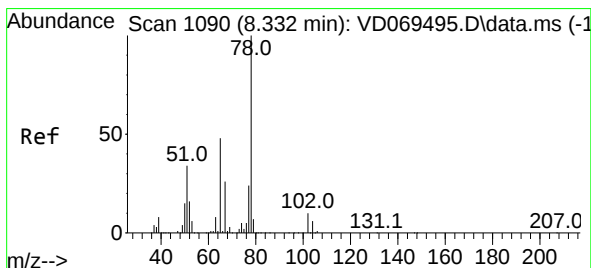
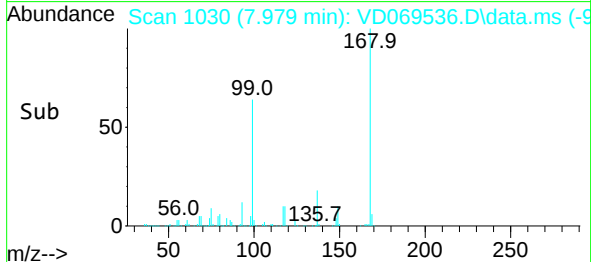
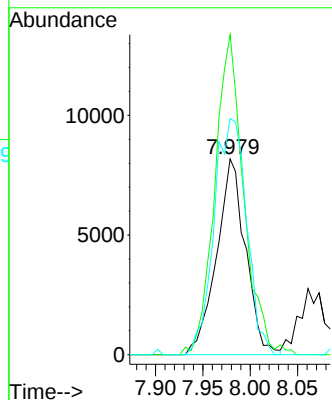
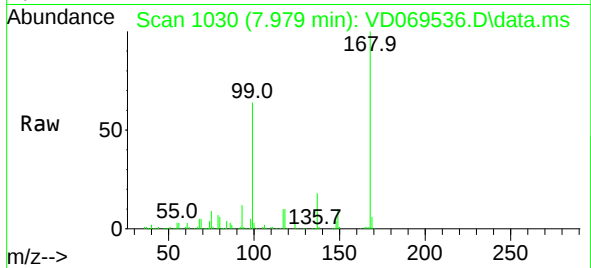




#31
Cyclohexane
Concen: 1.829 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

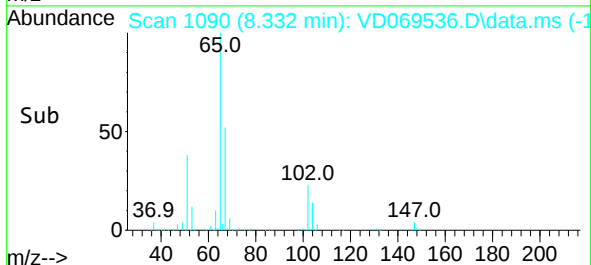
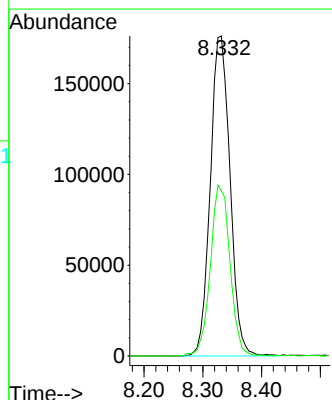
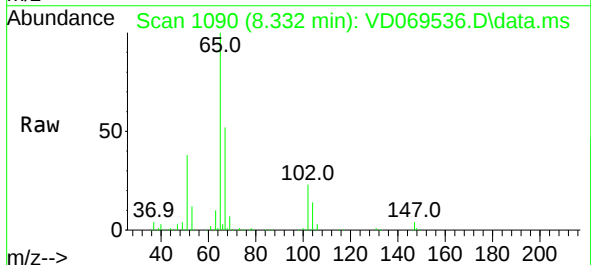
Instrument :
MSVOA_D
ClientSampled :

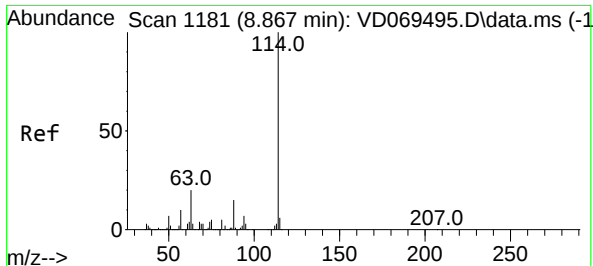
Tgt Ion: 56 Resp: 17389
Ion Ratio Lower Upper
56 100
69 163.5 28.0 42.0#
84 120.7 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 58.258 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion: 65 Resp: 411364
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.6



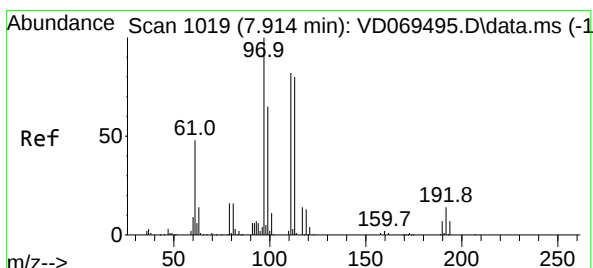
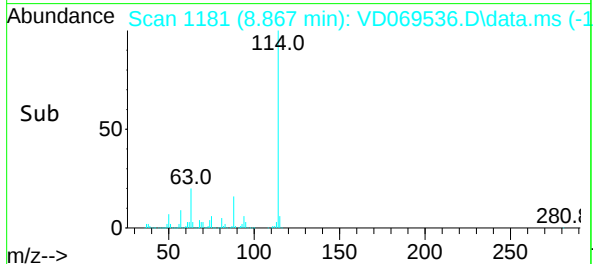
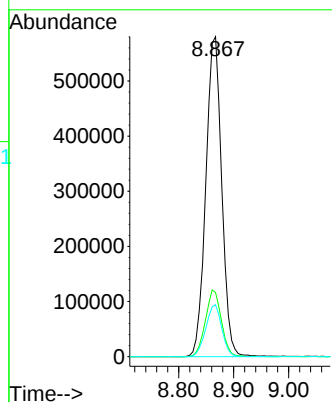
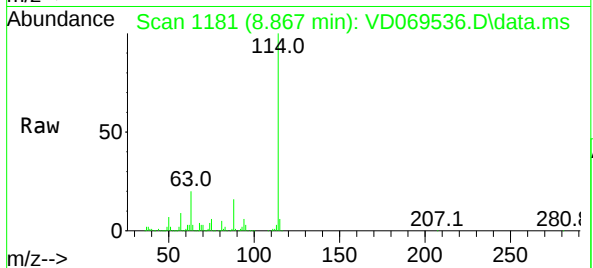


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Instrument :
MSVOA_D
ClientSampleId :

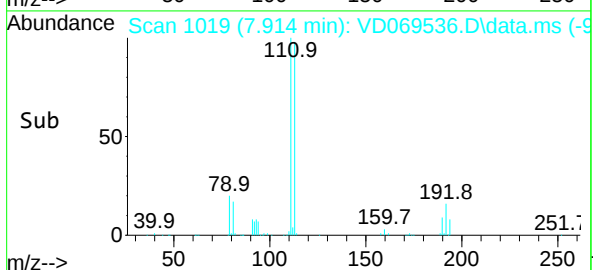
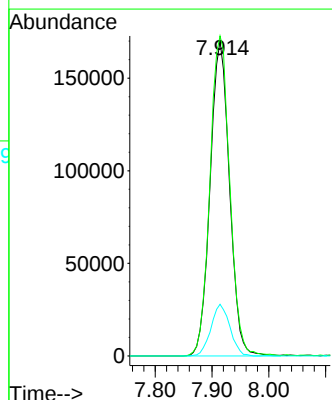
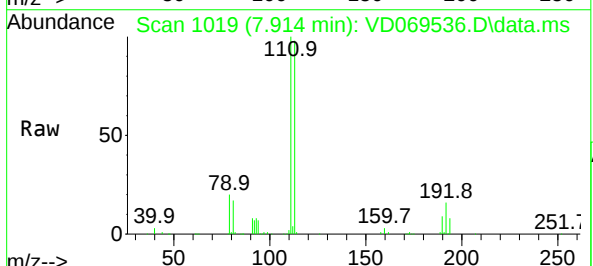
Tgt Ion:114 Resp: 1165218
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 16.3 0.0 29.8

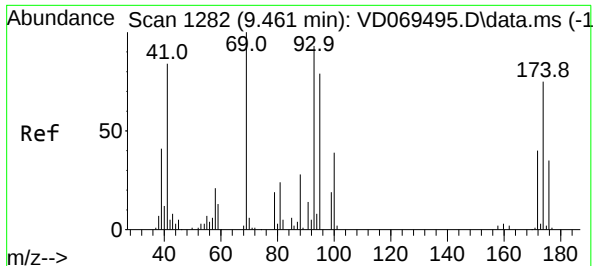


#35

Dibromofluoromethane
Concen: 51.108 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion:113 Resp: 402556
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.8
192 16.1 13.8 20.6





#49

1,4-Dioxane

Concen: 3.458 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.011 min

Lab File: VD069536.D

Acq: 23 Jun 2021 10:56

Tgt Ion: 88 Resp: 151

Ion Ratio Lower Upper

88 100

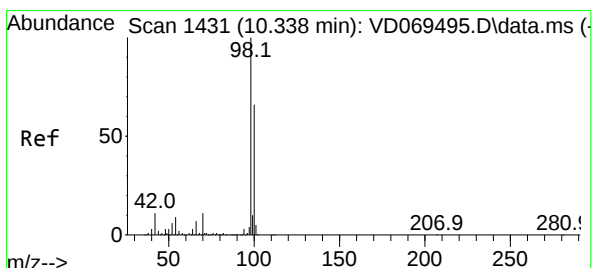
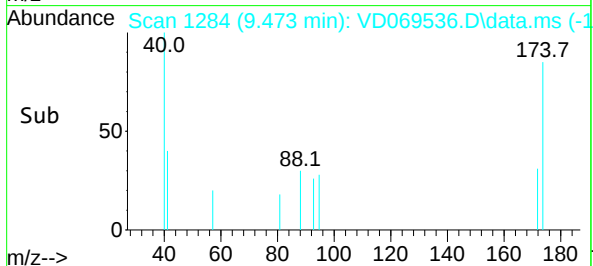
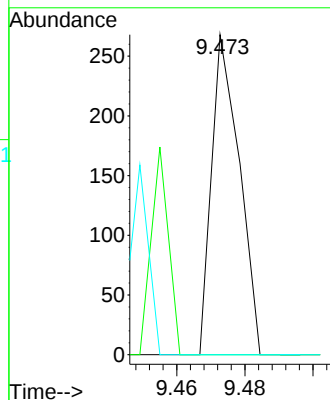
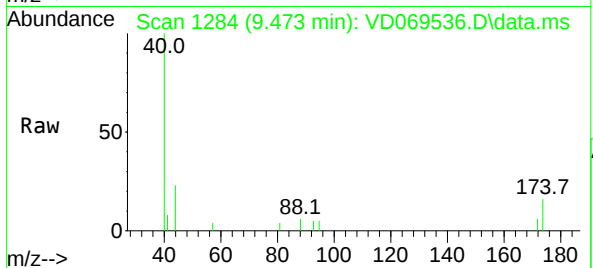
43 0.0 26.5 39.7#

58 0.0 56.0 84.0#

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 51.168 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069536.D

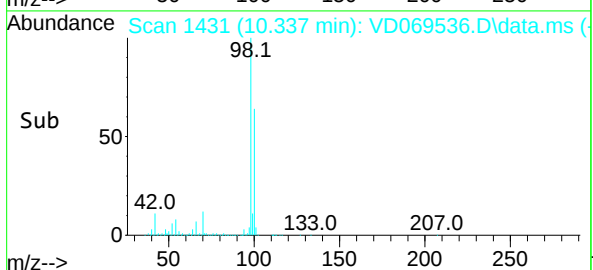
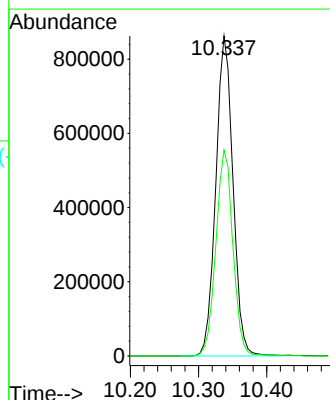
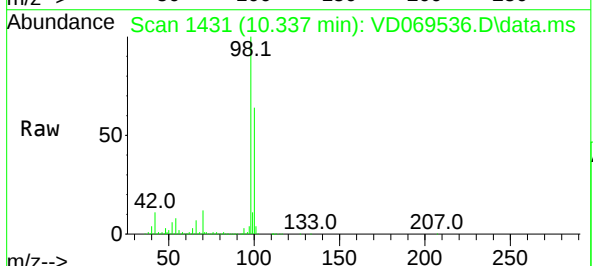
Acq: 23 Jun 2021 10:56

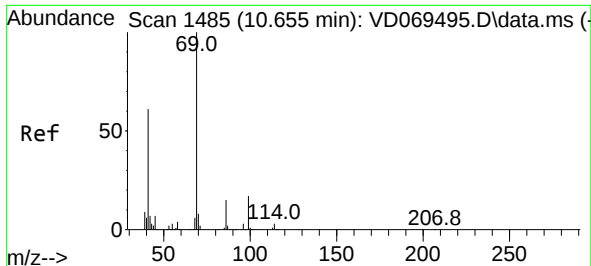
Tgt Ion: 98 Resp: 1511750

Ion Ratio Lower Upper

98 100

100 64.0 52.3 78.5

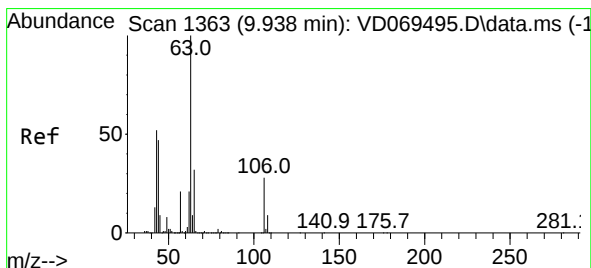
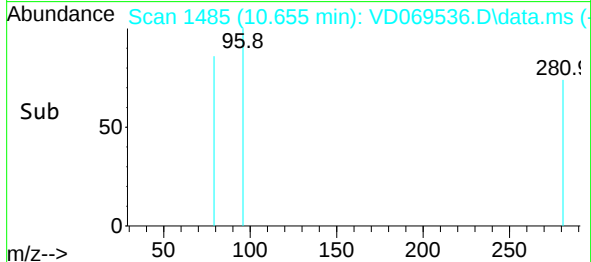
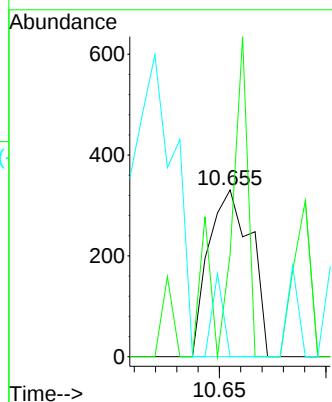
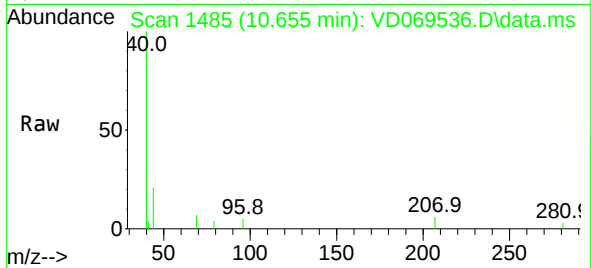




#56
Ethyl methacrylate
Concen: 2.640 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

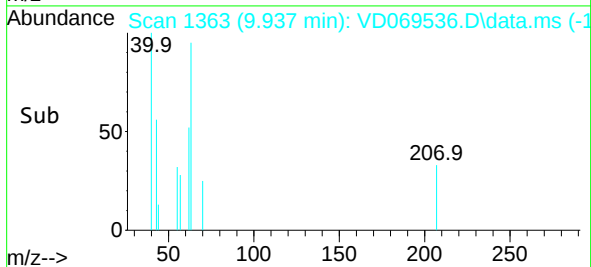
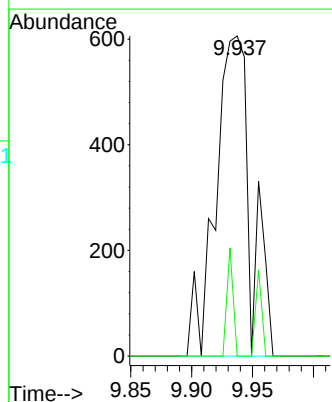
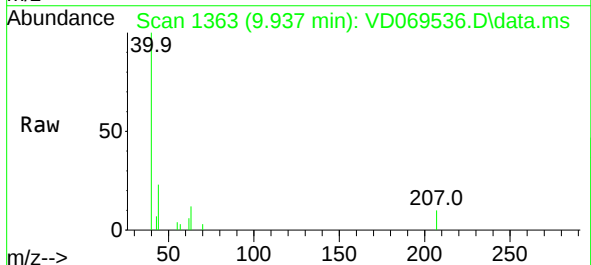
Instrument :
MSVOA_D
ClientSampled :

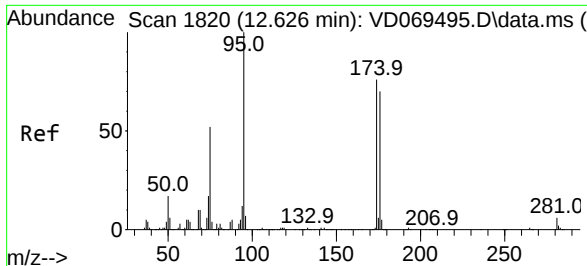
Tgt Ion: 69 Resp: 458
Ion Ratio Lower Upper
69 100
41 86.0 49.4 74.0#
39 12.7 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.904 ug/l
RT: 9.937 min Scan# 1363
Delta R.T. -0.001 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion: 63 Resp: 1220
Ion Ratio Lower Upper
63 100
106 5.9 22.2 33.2#

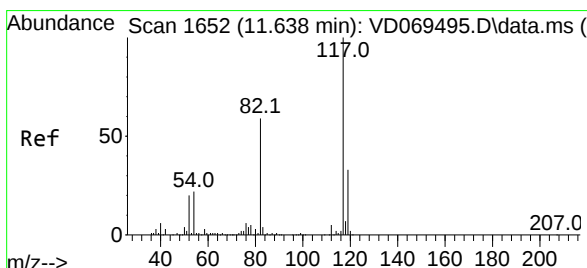
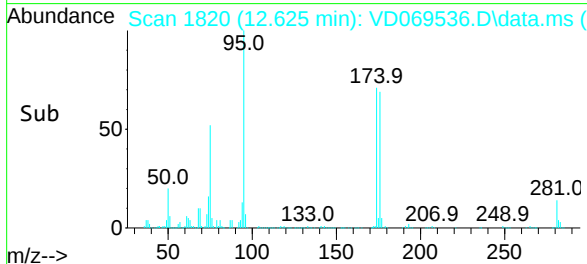
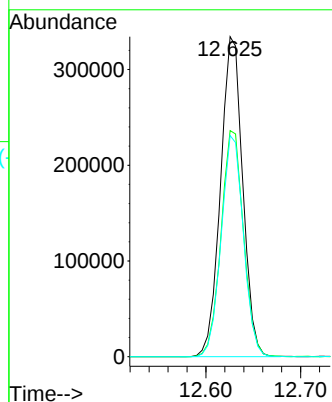
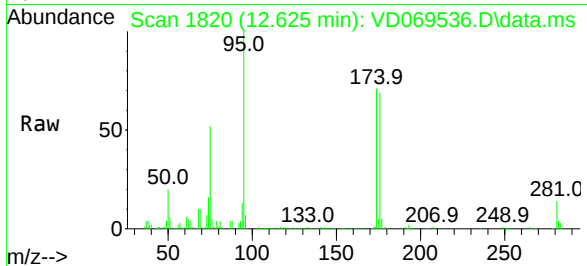




#62
4-Bromofluorobenzene
Concen: 55.967 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

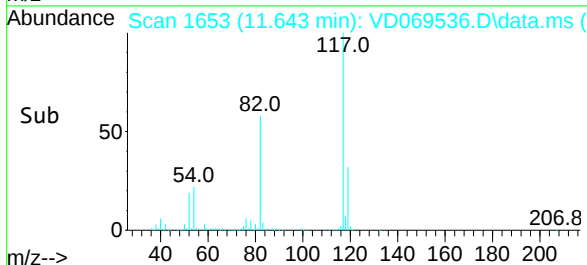
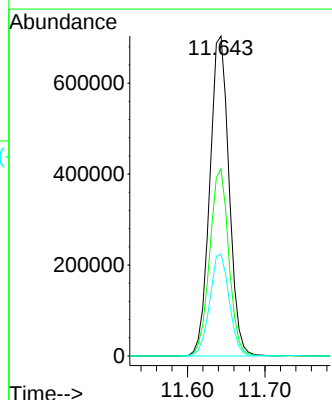
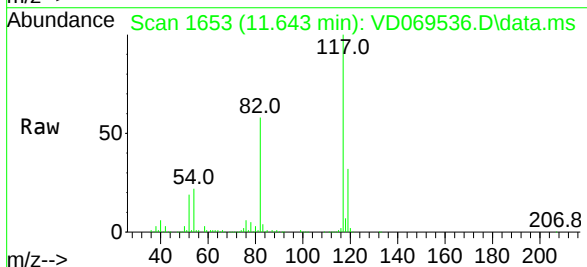
Instrument :
MSVOA_D
ClientSampleId :

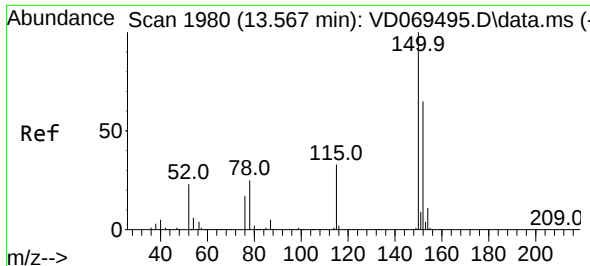
Tgt Ion: 95 Resp: 543610
Ion Ratio Lower Upper
95 100
174 71.8 0.0 148.0
176 69.2 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion: 117 Resp: 1215318
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 31.9 26.2 39.2

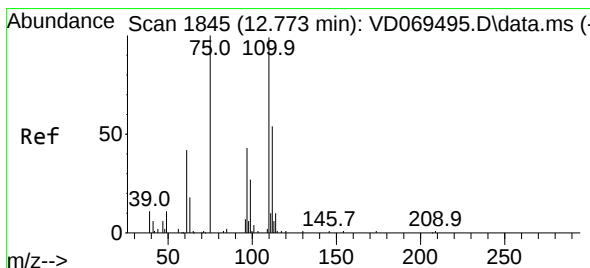
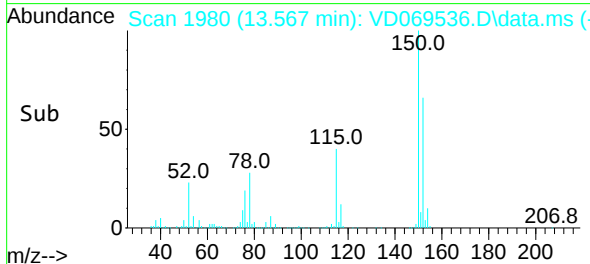
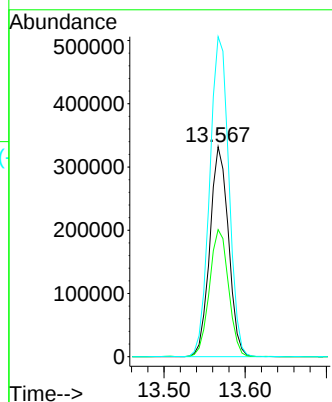
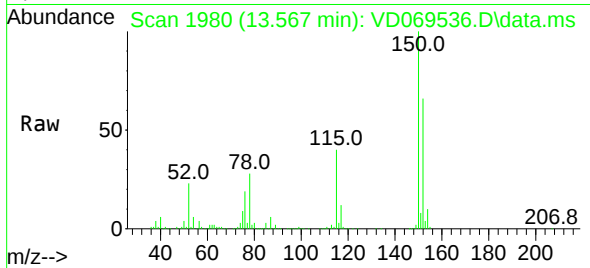




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069536.D
 Acq: 23 Jun 2021 10:56

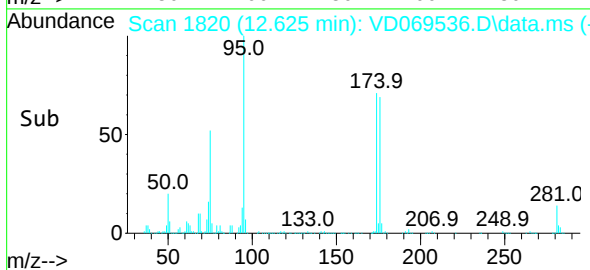
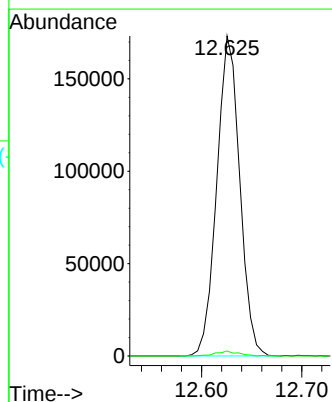
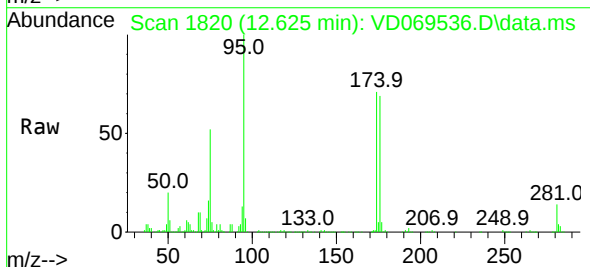
Instrument :
 MSVOA_D
 ClientSampleId :

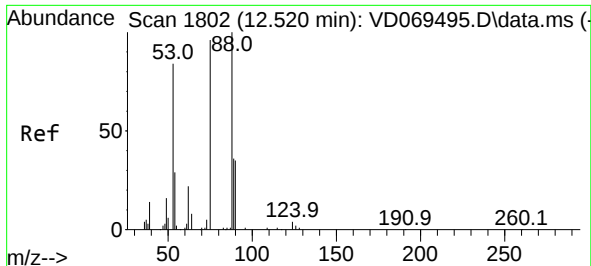
Tgt Ion:152 Resp: 528792
 Ion Ratio Lower Upper
 152 100
 115 61.8 31.7 95.1
 150 156.9 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 53.037 ug/l
 RT: 12.625 min Scan# 1820
 Delta R.T. -0.148 min
 Lab File: VD069536.D
 Acq: 23 Jun 2021 10:56

Tgt Ion: 75 Resp: 275304
 Ion Ratio Lower Upper
 75 100
 77 1.5 162.6 487.8#

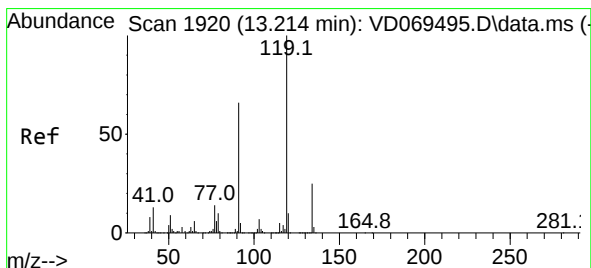
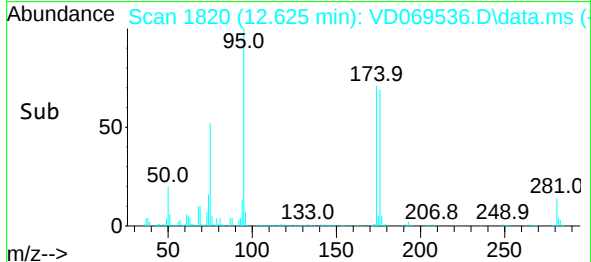
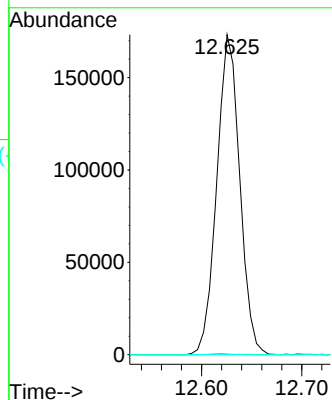
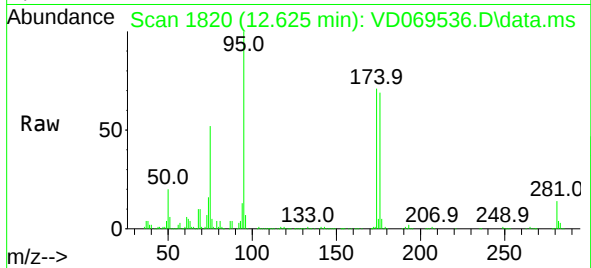




#81
trans-1,4-Dichloro-2-butene
Concen: 132.427 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

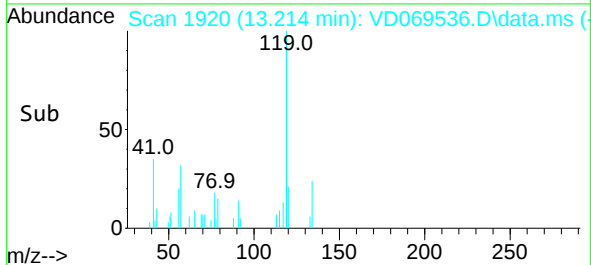
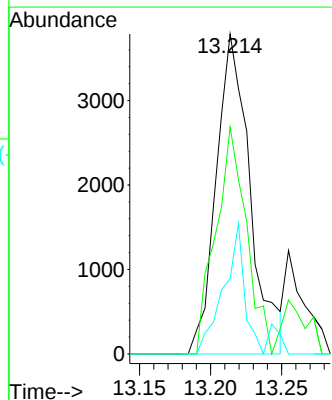
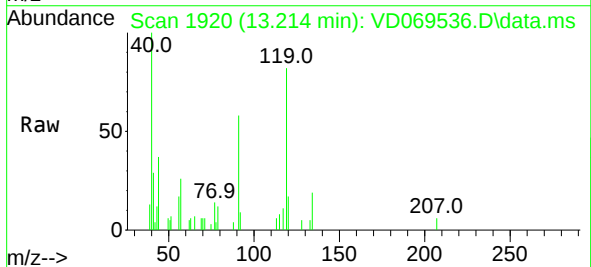
Instrument :
MSVOA_D
ClientSampled :

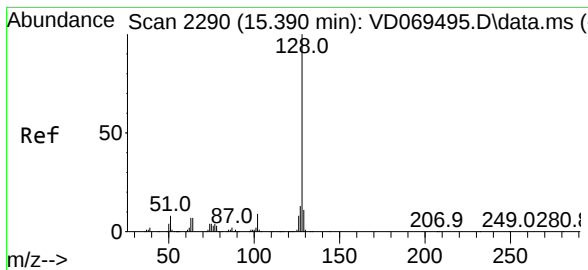
Tgt Ion: 75 Resp: 275304
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#



#83
tert-Butylbenzene
Concen: 2.212 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Tgt Ion: 119 Resp: 6276
Ion Ratio Lower Upper
119 100
91 64.3 32.5 97.4
134 25.1 12.9 38.7





#95
Naphthalene
Concen: 3.600 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069536.D
Acq: 23 Jun 2021 10:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 4338
Ion Ratio Lower Upper
128 100
127 14.1 10.6 16.0
129 7.9 8.7 13.1#

