

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069558.D
 Acq On : 25 Jun 2021 11:31
 Operator : VA/SY
 Sample : VD0625SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBL01

Quant Time: Jun 26 03:35:45 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)

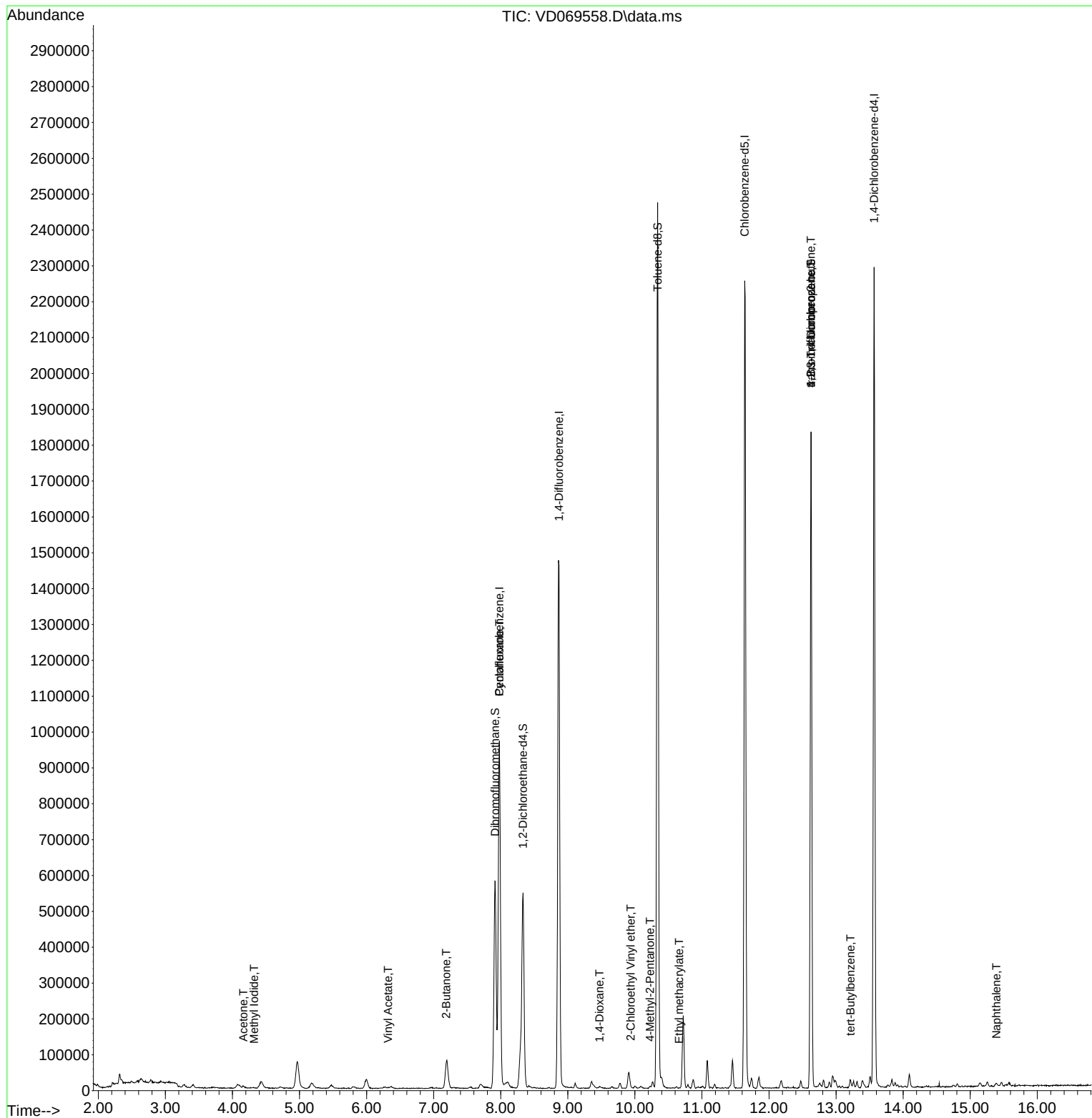
Internal Standards						
1) Pentafluorobenzene	7.979	168	656320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1267520	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1288355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	563893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	425268	51.983	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.960%			
35) Dibromofluoromethane	7.914	113	417384	48.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.420%			
50) Toluene-d8	10.338	98	1665267	51.815	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.626	95	584261	55.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.600%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	4918	Below Cal	#	79
10) Methyl Iodide	4.320	142	2790	4.314 ug/l	#	85
11) Tert butyl alcohol	5.185	59	13632	Below Cal	#	85
16) Acetone	4.162	43	10360	7.524 ug/l	#	82
18) Methyl Acetate	4.715	43	533	Below Cal	#	49
23) Vinyl Acetate	6.320	43	3401	19.280 ug/l	#	70
25) 2-Butanone	7.185	43	5017	2.867 ug/l	#	44
31) Cyclohexane	7.979	56	21286	1.932 ug/l	#	28
49) 1,4-Dioxane	9.473	88	213	4.485 ug/l	#	80
51) 4-Methyl-2-Pentanone	10.226	43	4505	1.022 ug/l		97
56) Ethyl methacrylate	10.661	69	1064	2.707 ug/l	#	88
58) 2-Chloroethyl Vinyl ether	9.938	63	1322	10.902 ug/l	#	71
76) 1,2,3-Trichloropropane	12.626	75	296804	53.620 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	296804	133.882 ug/l	#	12
83) tert-Butylbenzene	13.214	119	7803	2.248 ug/l		92
95) Naphthalene	15.390	128	7105	3.732 ug/l		99

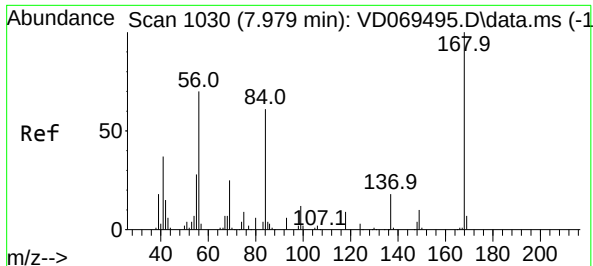
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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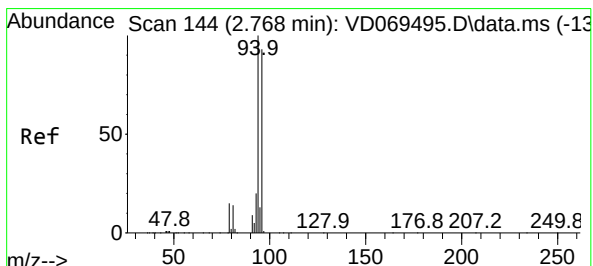
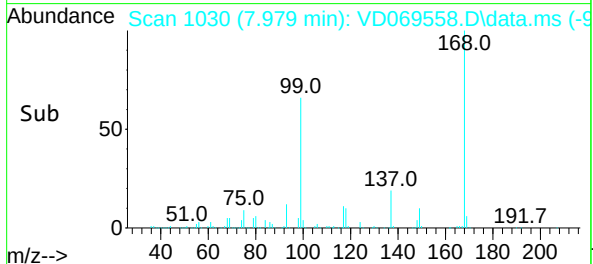
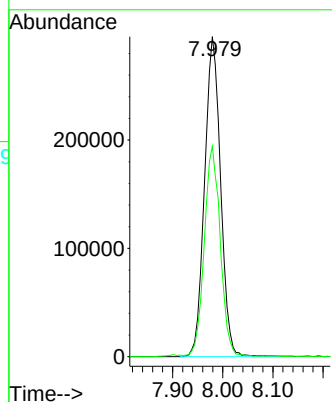
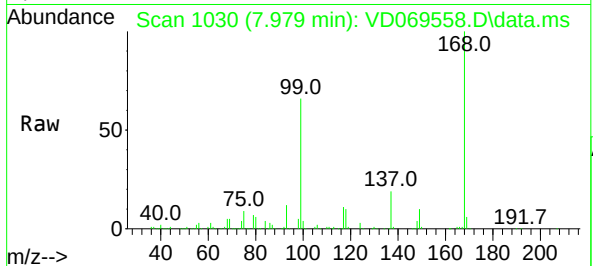




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

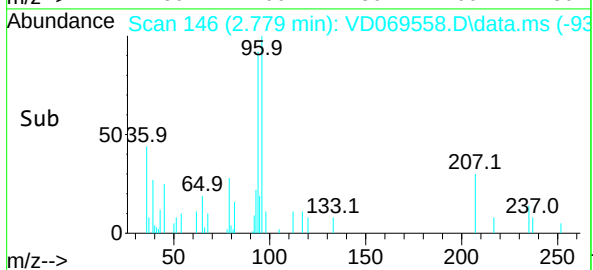
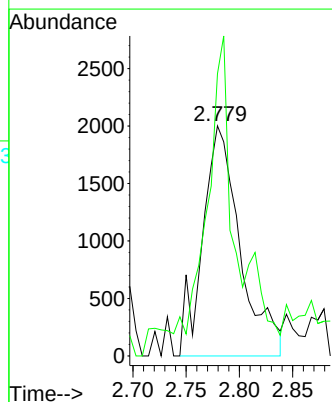
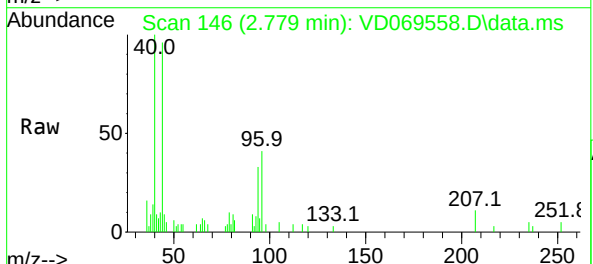
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

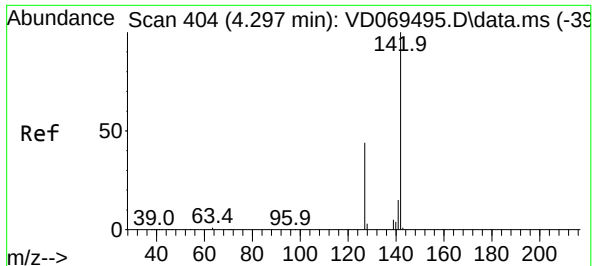
Tgt Ion:168 Resp: 656320
Ion Ratio Lower Upper
168 100
99 65.7 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

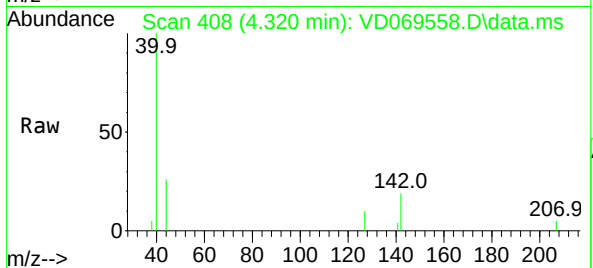
Tgt Ion: 94 Resp: 4918
Ion Ratio Lower Upper
94 100
96 113.7 74.6 111.8#



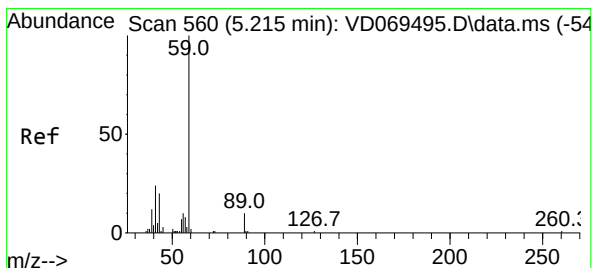
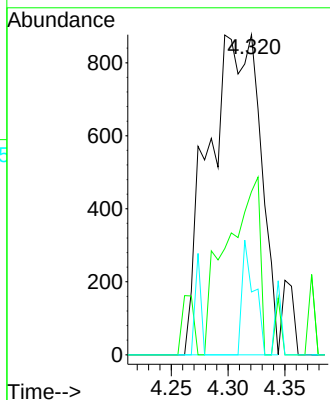
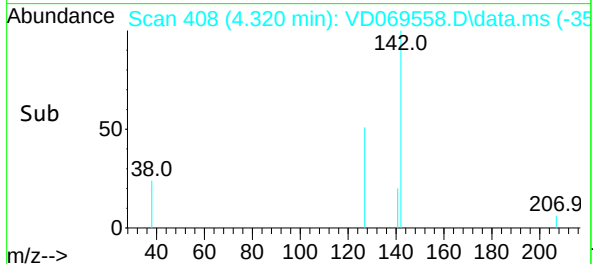


#10
Methyl Iodide
Concen: 4.314 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

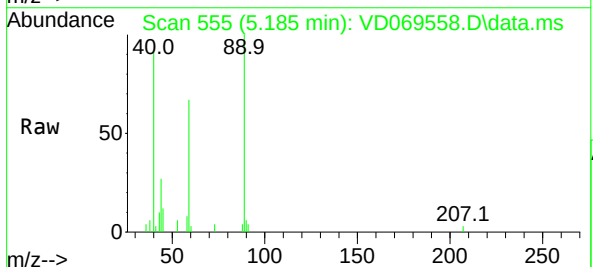
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01



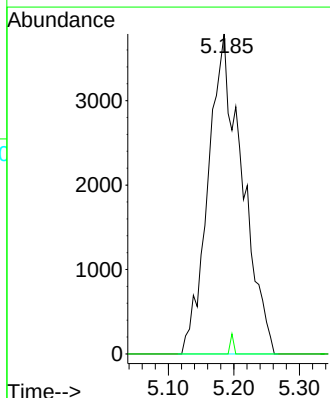
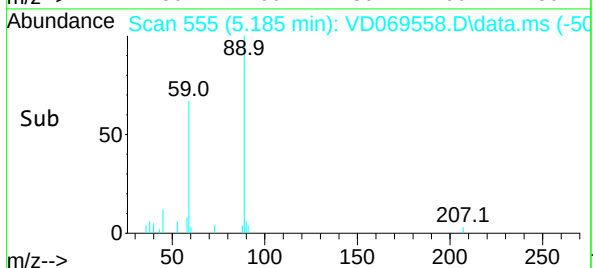
Tgt Ion:142 Resp: 2790
Ion Ratio Lower Upper
142 100
127 35.6 36.5 54.7#
141 8.4 12.0 18.0#

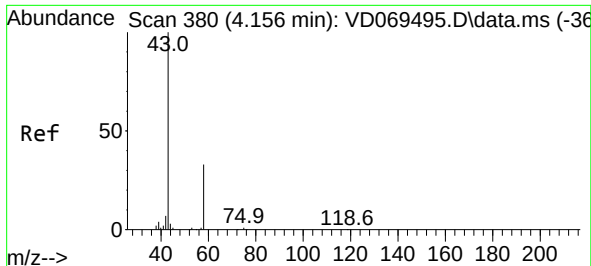


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31



Tgt Ion: 59 Resp: 13632
Ion Ratio Lower Upper
59 100
57 0.6 4.6 7.0#

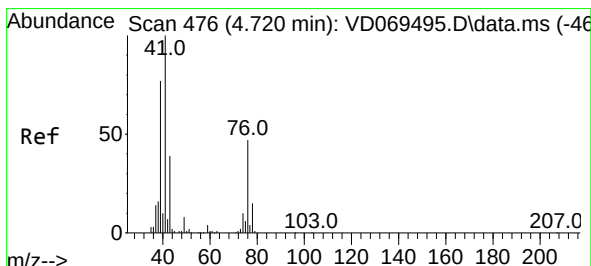
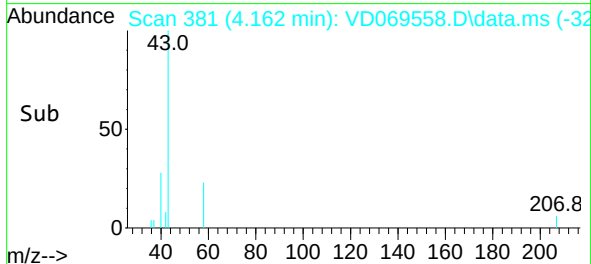
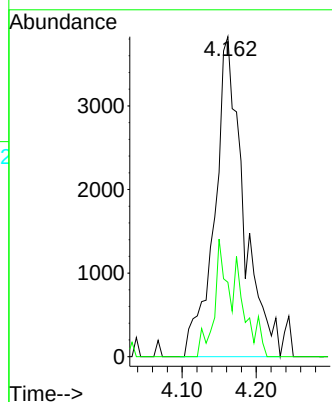
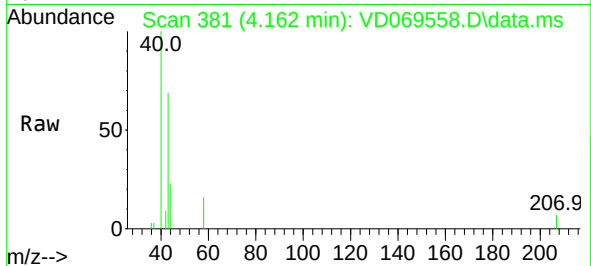




#16
Acetone
Concen: 7.524 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

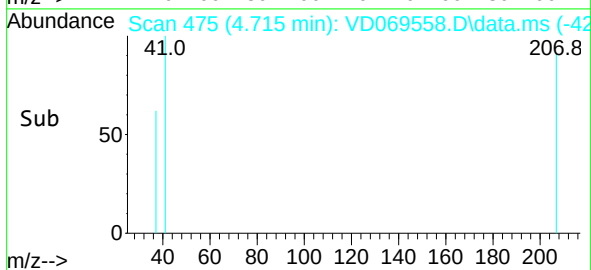
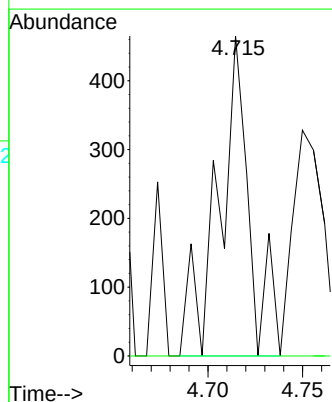
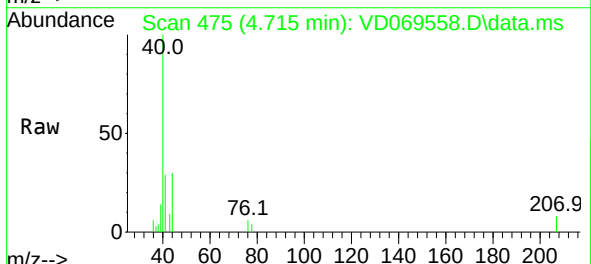
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

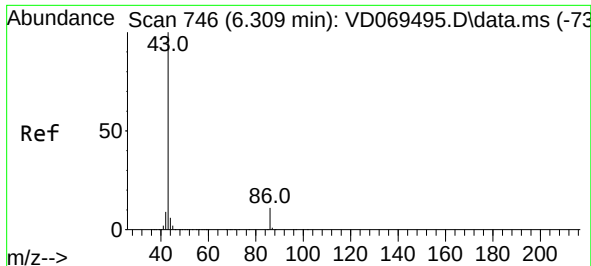
Tgt Ion: 43 Resp: 10360
Ion Ratio Lower Upper
43 100
58 23.2 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion: 43 Resp: 533
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

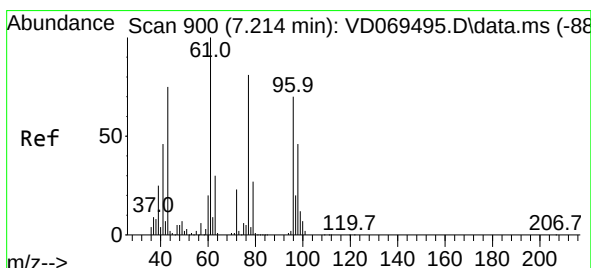
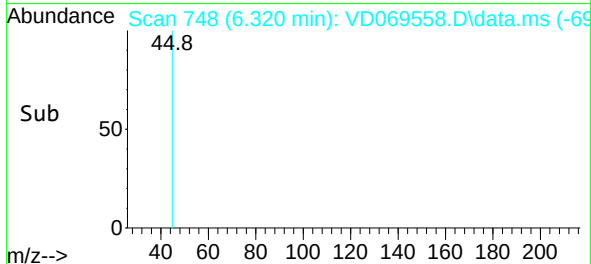
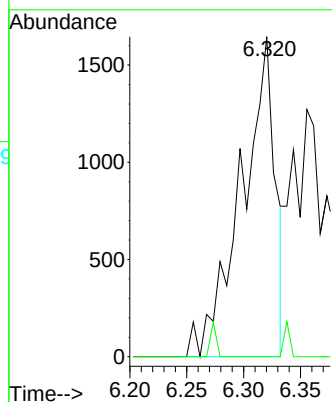
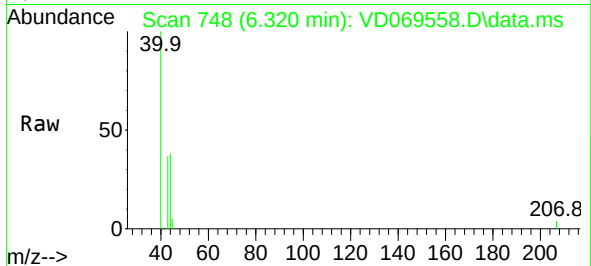




#23
 Vinyl Acetate
 Concen: 19.280 ug/l
 RT: 6.320 min Scan# 748
 Delta R.T. 0.011 min
 Lab File: VD069558.D
 Acq: 25 Jun 2021 11:31

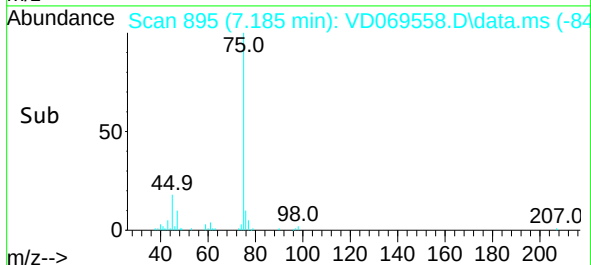
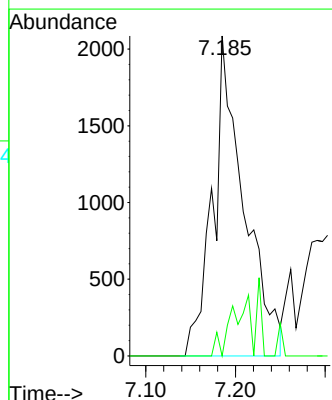
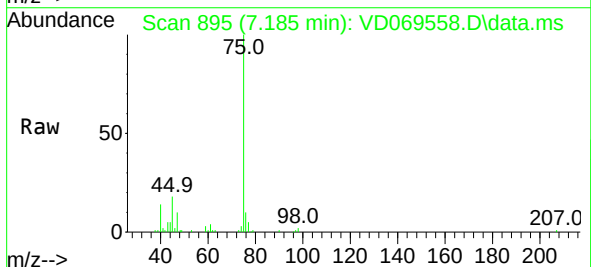
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0625SBL01

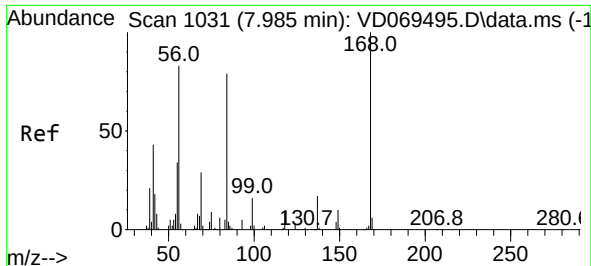
Tgt Ion: 43 Resp: 3401
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 2.867 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.029 min
 Lab File: VD069558.D
 Acq: 25 Jun 2021 11:31

Tgt Ion: 43 Resp: 5017
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

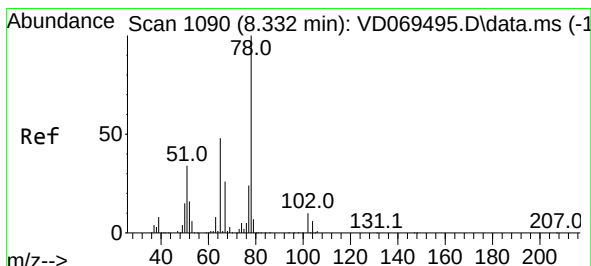
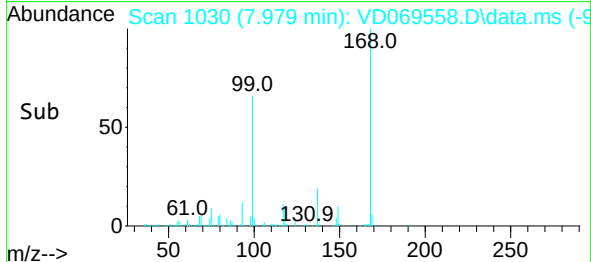
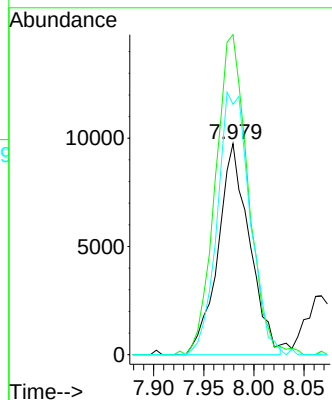
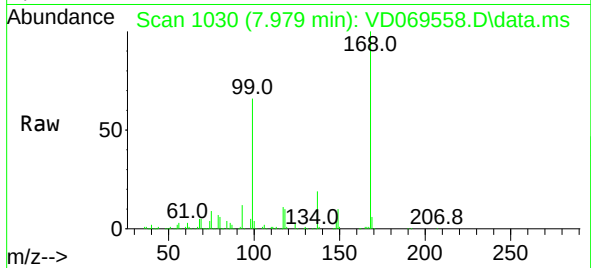




#31
Cyclohexane
Concen: 1.932 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

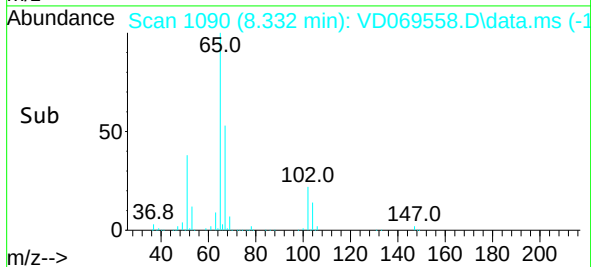
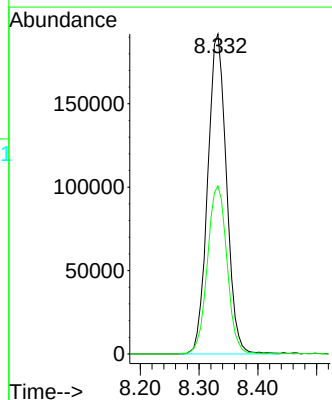
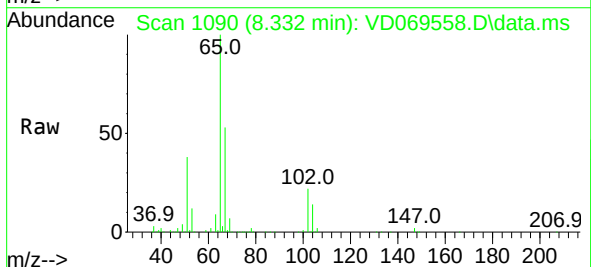
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

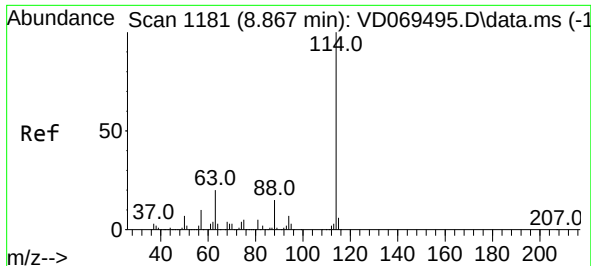
Tgt Ion: 56 Resp: 21286
Ion Ratio Lower Upper
56 100
69 149.9 28.0 42.0#
84 118.7 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 51.983 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion: 65 Resp: 425268
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6



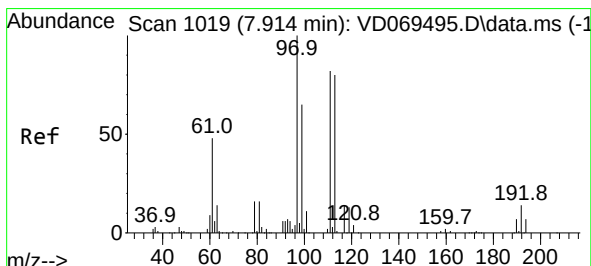
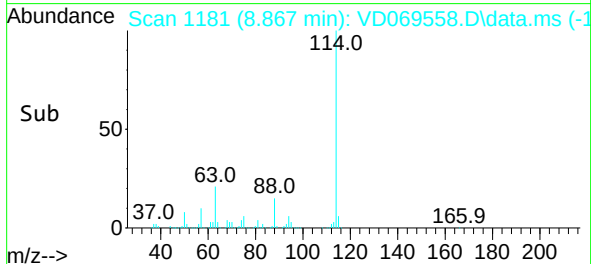
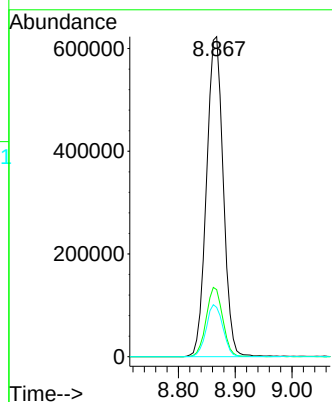
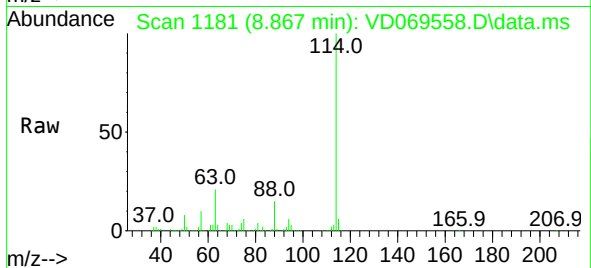


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Instrument :
MSVOA_D
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VD0625SBL01

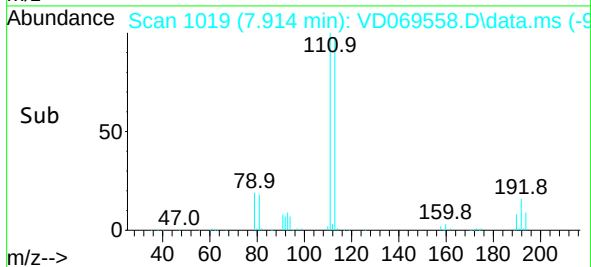
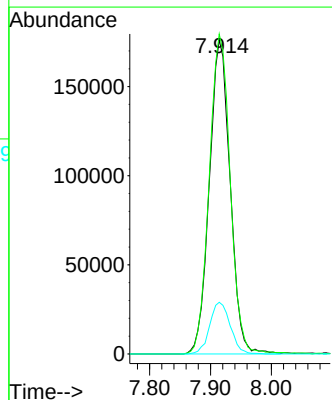
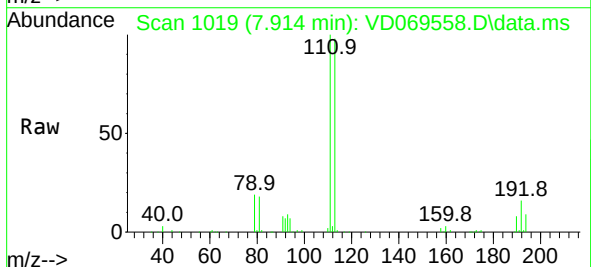
Tgt Ion:114 Resp: 1267520
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.6
88 15.4 0.0 29.8

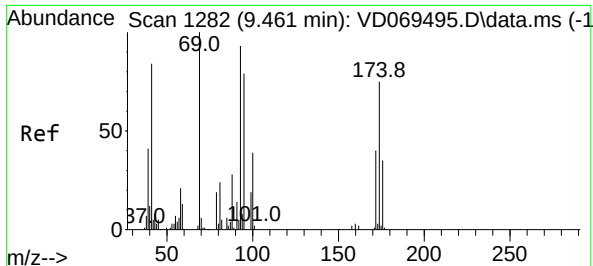


#35

Dibromofluoromethane
Concen: 48.713 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion:113 Resp: 417384
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.8
192 16.3 13.8 20.6





#49

1,4-Dioxane

Concen: 4.485 ug/l

RT: 9.473 min Scan# 1284

Delta R.T. 0.012 min

Lab File: VD069558.D

Acq: 25 Jun 2021 11:31

Tgt Ion: 88 Resp: 213

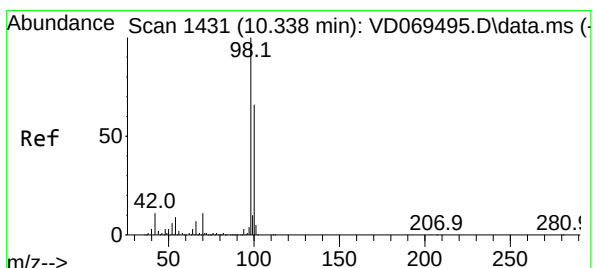
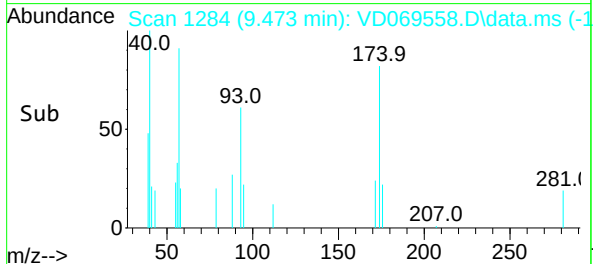
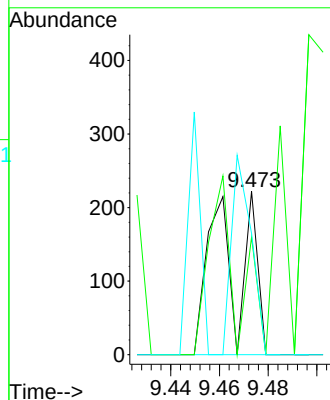
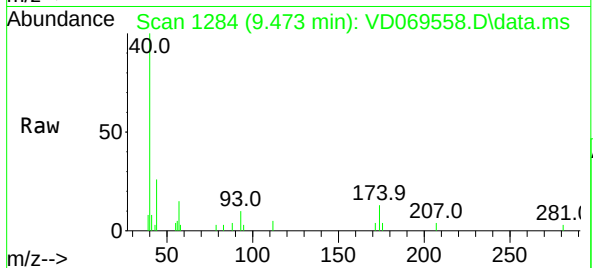
Ion	Ratio	Lower	Upper
88	100		
43	65.7	26.5	39.7#
58	72.3	56.0	84.0

Instrument :

MSVOA_D

ClientSampleId :

VD0625SBL01



#50

Toluene-d8

Concen: 51.815 ug/l

RT: 10.338 min Scan# 1431

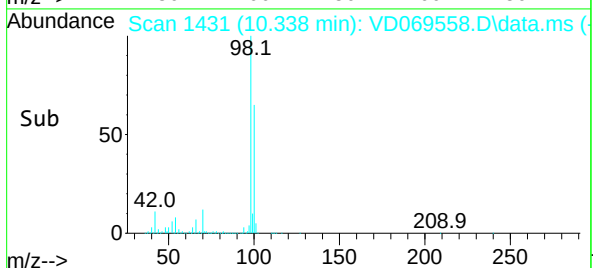
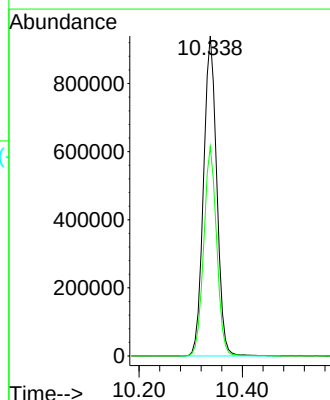
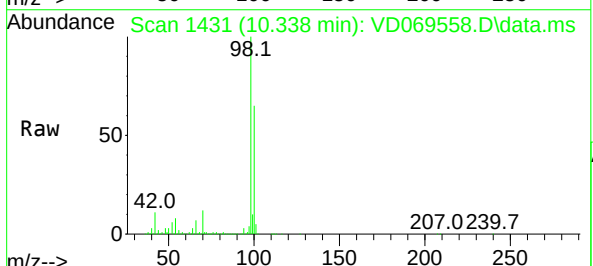
Delta R.T. 0.000 min

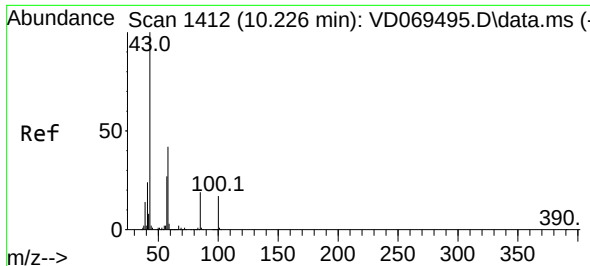
Lab File: VD069558.D

Acq: 25 Jun 2021 11:31

Tgt Ion: 98 Resp: 1665267

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.3	78.5

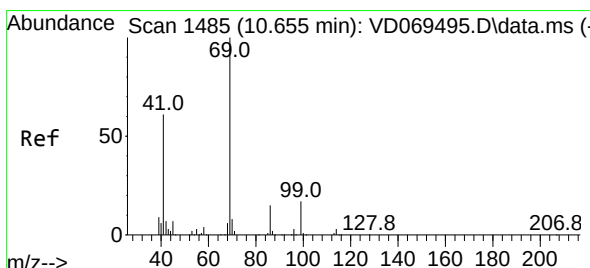
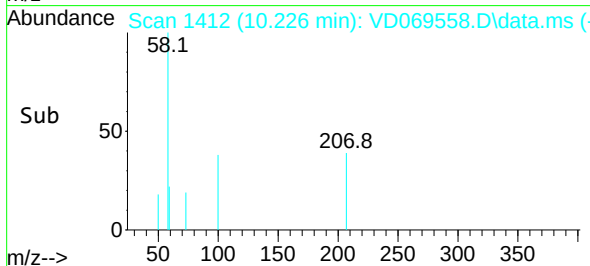
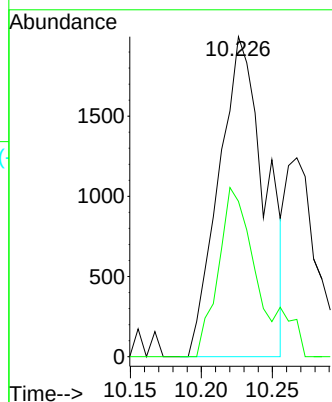
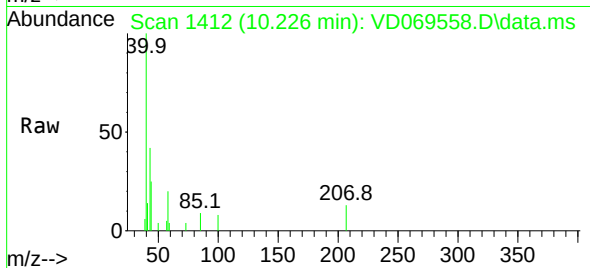




#51
4-Methyl-2-Pentanone
Concen: 1.022 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

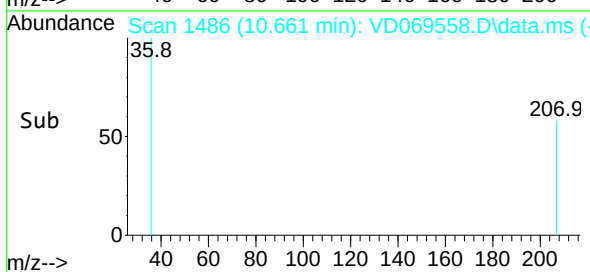
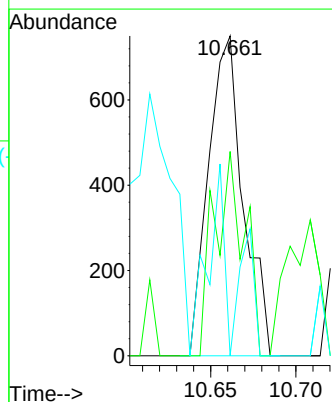
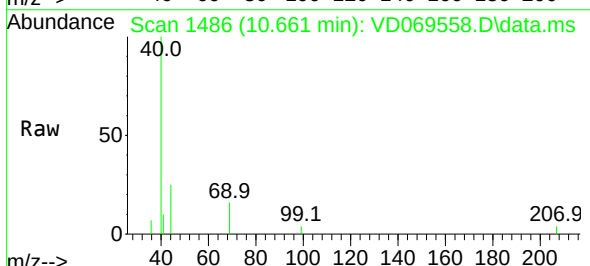
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

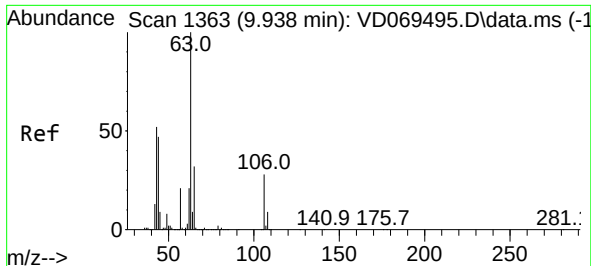
Tgt Ion: 43 Resp: 4505
Ion Ratio Lower Upper
43 100
58 40.1 33.6 50.4



#56
Ethyl methacrylate
Concen: 2.707 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion: 69 Resp: 1064
Ion Ratio Lower Upper
69 100
41 55.6 49.4 74.0
39 45.1 26.9 40.3#

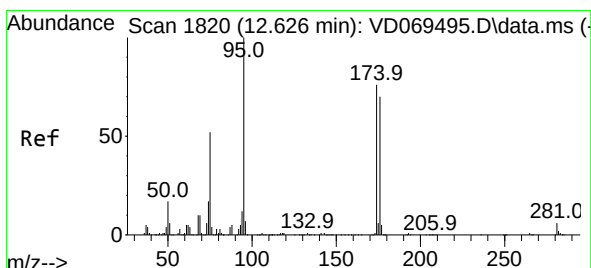
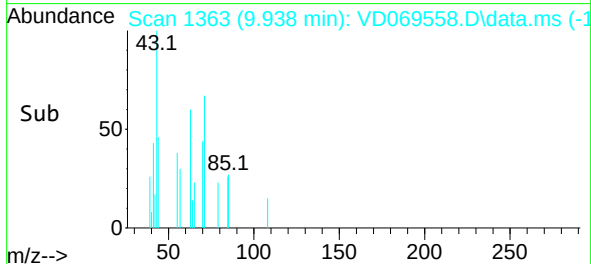
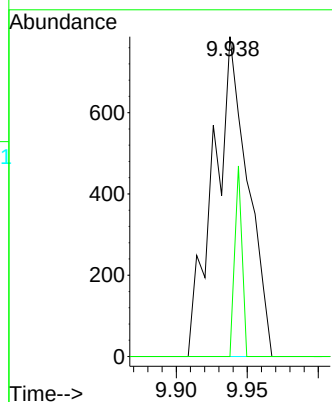
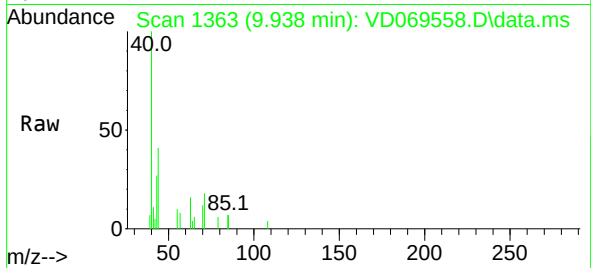




#58
2-Chloroethyl Vinyl ether
Concen: 10.902 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

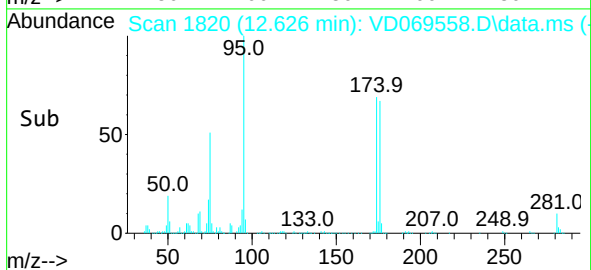
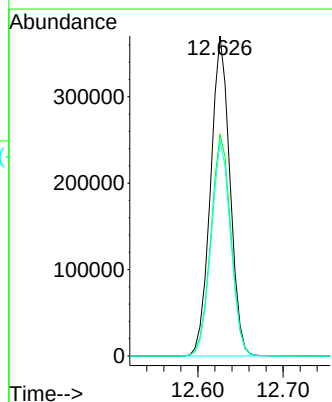
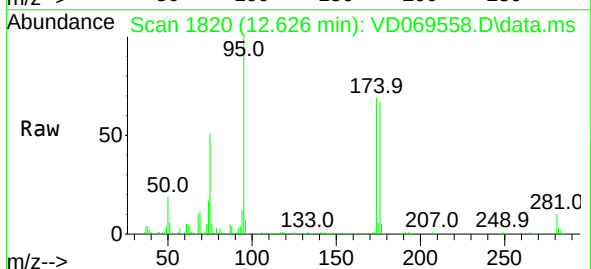
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

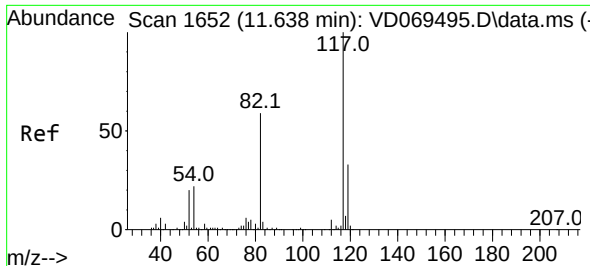
Tgt Ion: 63 Resp: 1322
Ion Ratio Lower Upper
63 100
106 12.6 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 55.298 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion: 95 Resp: 584261
Ion Ratio Lower Upper
95 100
174 71.5 0.0 148.0
176 68.3 0.0 139.8

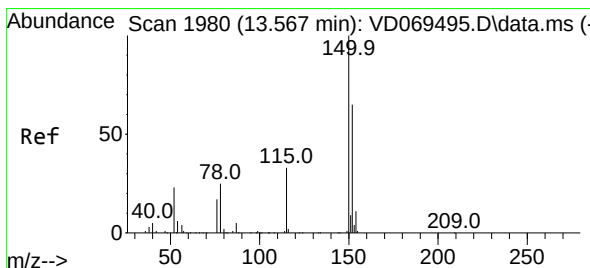
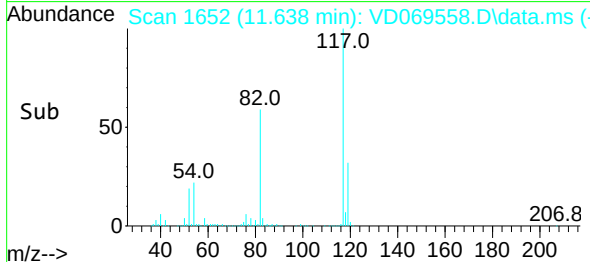
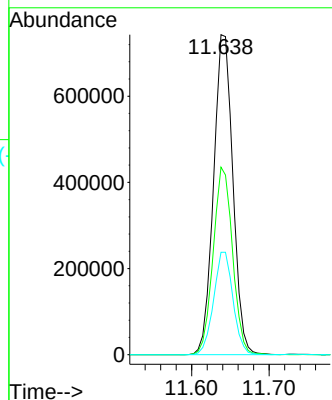
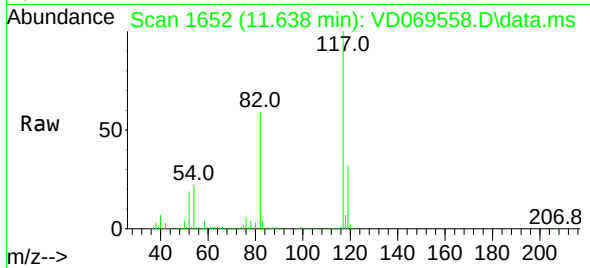




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

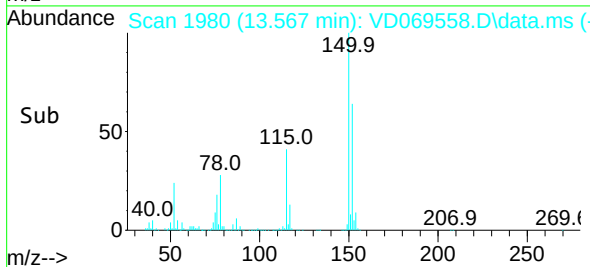
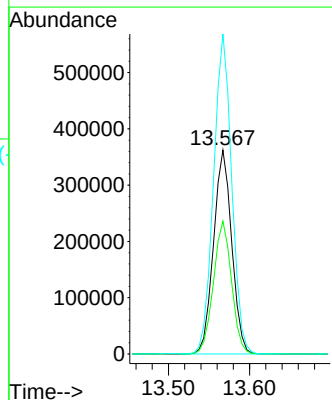
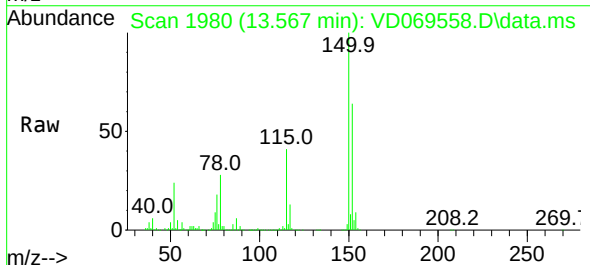
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

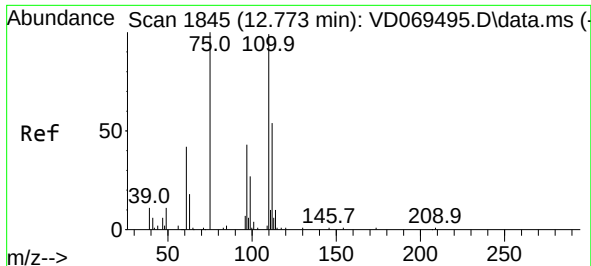
Tgt Ion:117 Resp: 1288355
Ion Ratio Lower Upper
117 100
82 58.6 46.8 70.2
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion:152 Resp: 563893
Ion Ratio Lower Upper
152 100
115 64.8 31.7 95.1
150 156.5 0.0 350.8

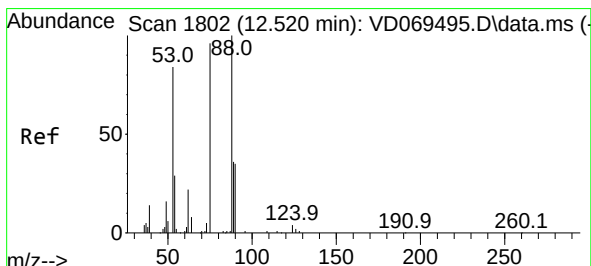
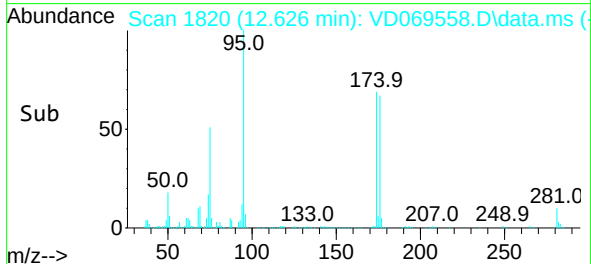
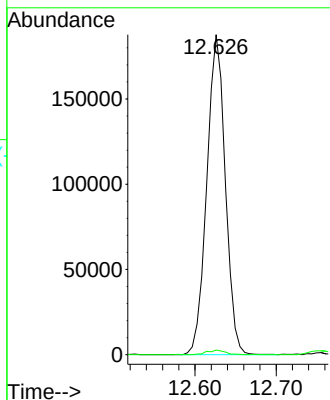
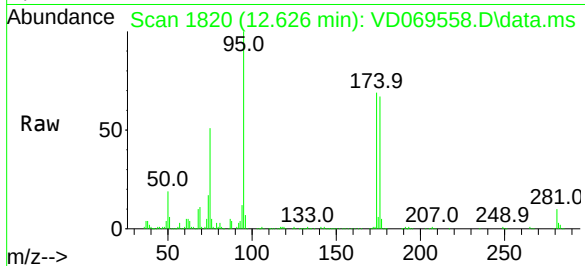




#76
1,2,3-Trichloropropane
Concen: 53.620 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

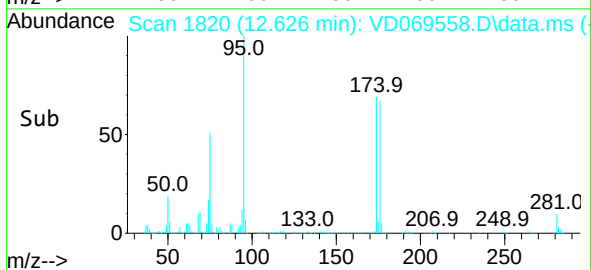
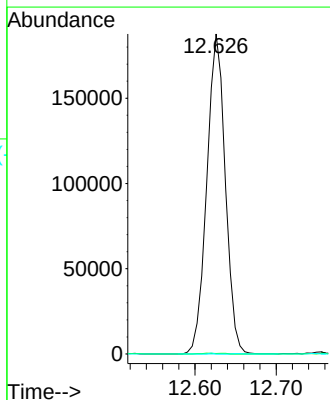
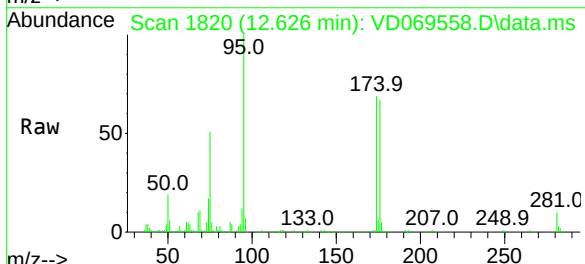
Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

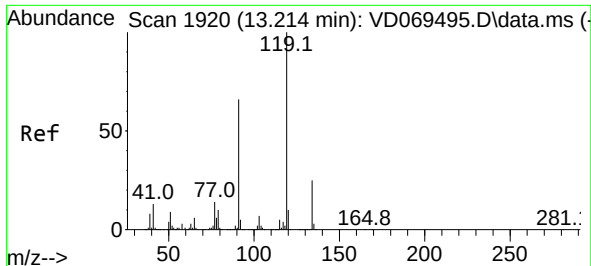
Tgt Ion: 75 Resp: 296804
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.882 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion: 75 Resp: 296804
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.1 35.3 52.9#

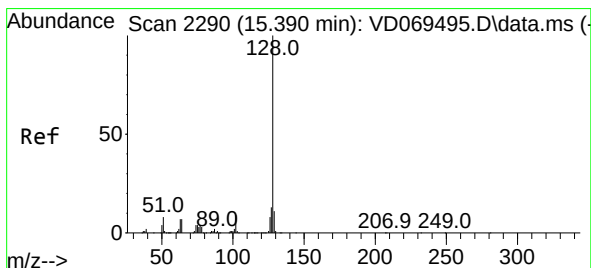
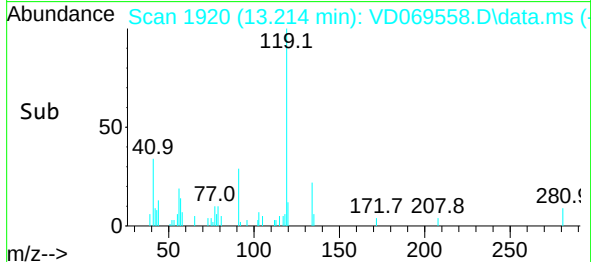
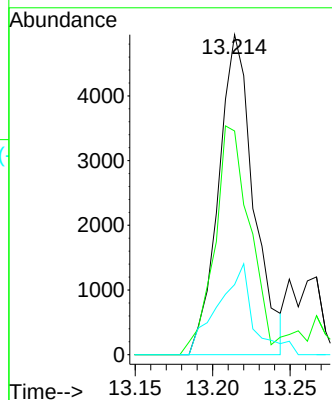
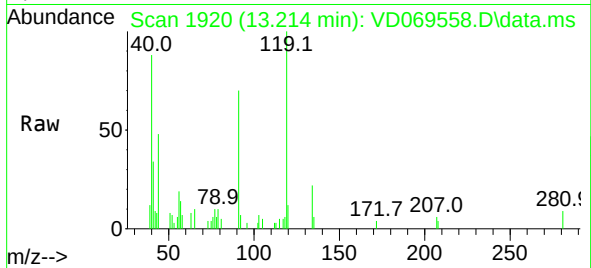




#83
tert-Butylbenzene
Concen: 2.248 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Instrument :
MSVOA_D
ClientSampleId :
VD0625SBL01

Tgt Ion:	119	Resp:	7803
Ion	Ratio	Lower	Upper
119	100		
91	72.4	32.5	97.4
134	28.6	12.9	38.7



#95
Naphthalene
Concen: 3.732 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069558.D
Acq: 25 Jun 2021 11:31

Tgt Ion:	128	Resp:	7105
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	16.0
129	10.7	8.7	13.1

