

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069645.D
 Acq On : 09 Jul 2021 13:15
 Operator : VA/SY
 Sample : VD0709SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0709SBL01

Quant Time: Jul 10 02:53:18 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)

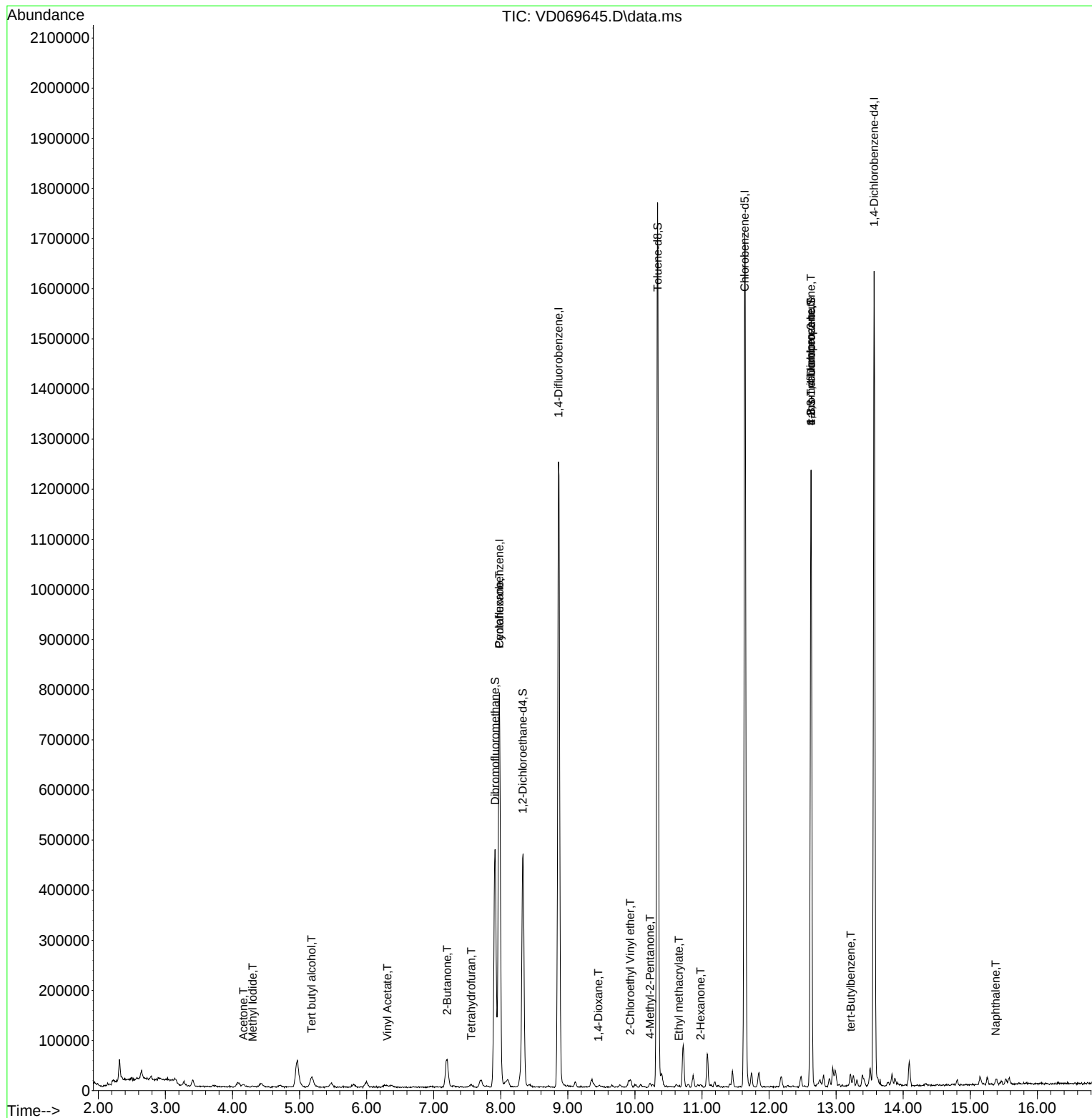
Internal Standards						
1) Pentafluorobenzene	7.979	168	537436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1065973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	996554	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	414157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	371619	55.473	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.940%			
35) Dibromofluoromethane	7.914	113	354931	49.256	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.520%			
50) Toluene-d8	10.338	98	1214071	44.918	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.840%			
62) 4-Bromofluorobenzene	12.626	95	394730	44.423	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.840%			
Target Compounds						Qvalue
5) Bromomethane	2.779	94	4592	Below Cal		100
10) Methyl Iodide	4.303	142	2691	4.381 ug/l #		69
11) Tert butyl alcohol	5.179	59	18595	11.363 ug/l #		84
16) Acetone	4.161	43	8681	7.699 ug/l #		86
18) Methyl Acetate	4.726	43	1371	Below Cal #		67
20) Methylene Chloride	4.961	84	41183	Below Cal		98
23) Vinyl Acetate	6.308	43	5412	19.535 ug/l #		91
25) 2-Butanone	7.202	43	3739	2.610 ug/l		90
29) Tetrahydrofuran	7.561	42	2129	2.710 ug/l #		54
31) Cyclohexane	7.979	56	18496	2.051 ug/l #		5
49) 1,4-Dioxane	9.455	88	60	1.502 ug/l #		1
51) 4-Methyl-2-Pentanone	10.226	43	5721	1.543 ug/l		90
56) Ethyl methacrylate	10.655	69	1164	2.745 ug/l #		62
58) 2-Chloroethyl Vinyl ether	9.932	63	5679	12.144 ug/l		96
59) 2-Hexanone	10.979	43	3309	1.322 ug/l		90
76) 1,2,3-Trichloropropane	12.626	75	198450	48.813 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	198450	121.880 ug/l #		12
83) tert-Butylbenzene	13.220	119	8472	2.370 ug/l		99
95) Naphthalene	15.379	128	10018	4.079 ug/l		97

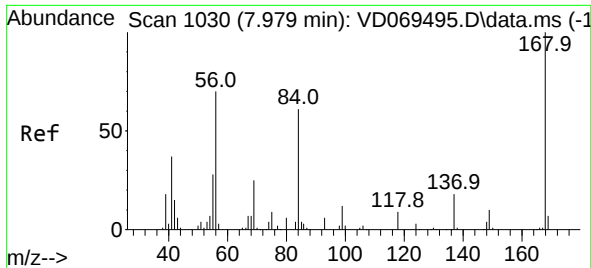
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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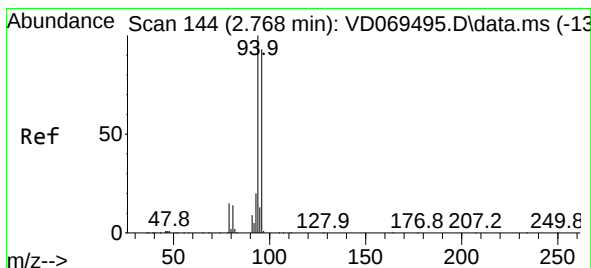
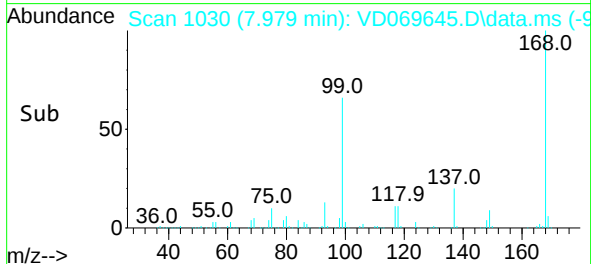
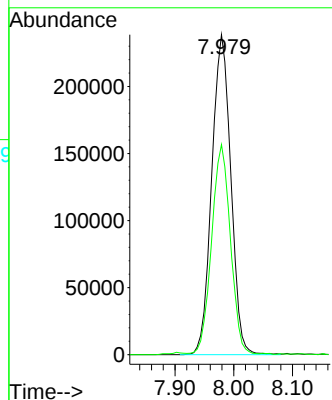
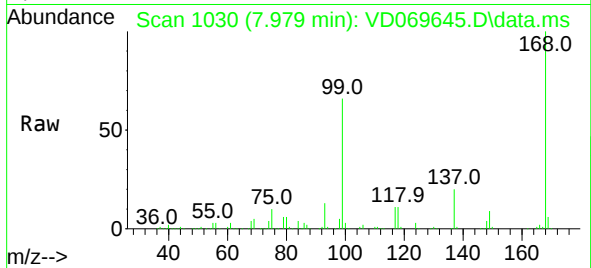




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

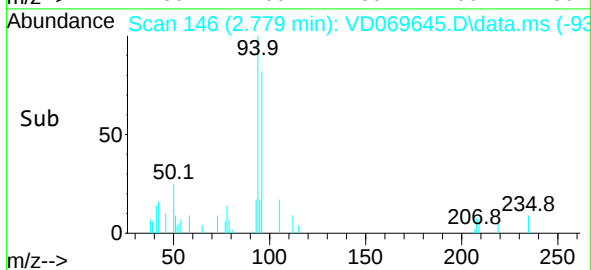
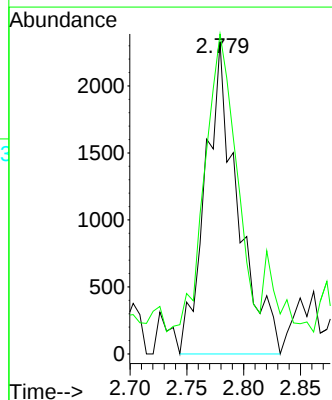
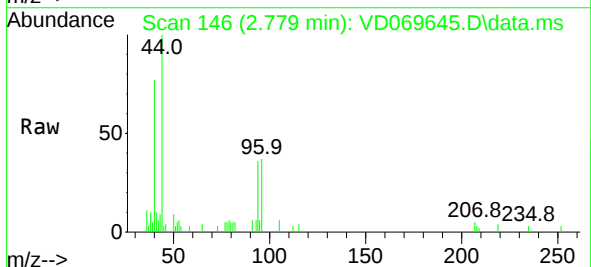
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

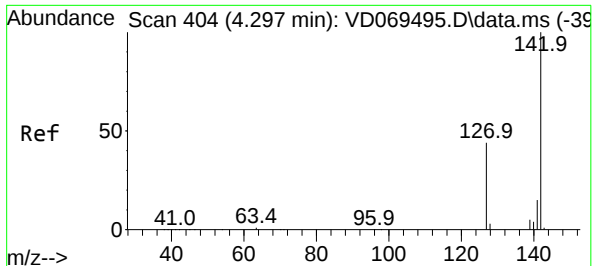
Tgt Ion:168 Resp: 537436
Ion Ratio Lower Upper
168 100
99 65.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 94 Resp: 4592
Ion Ratio Lower Upper
94 100
96 93.1 74.6 111.8

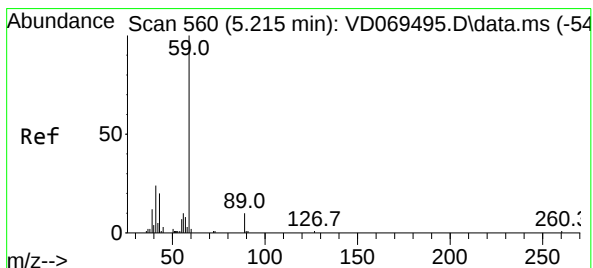
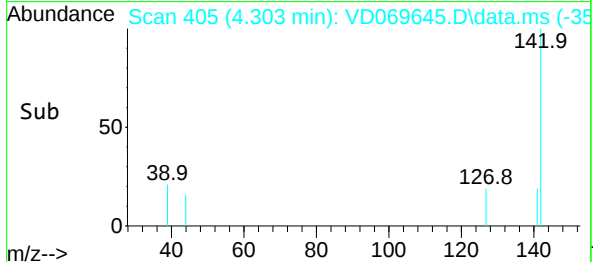
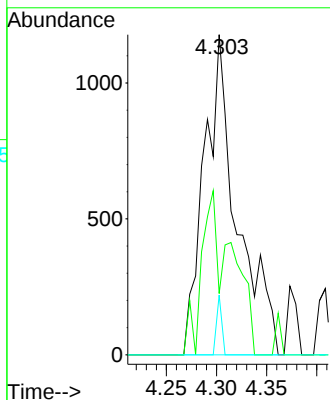
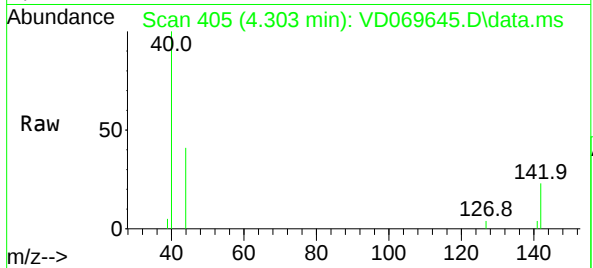




#10
Methyl Iodide
Concen: 4.381 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

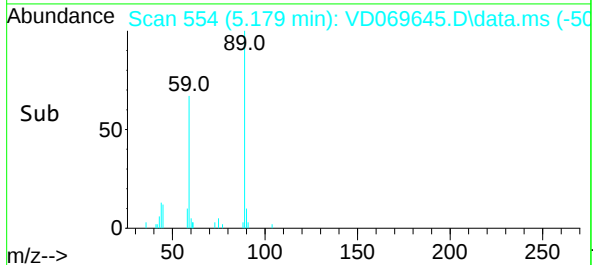
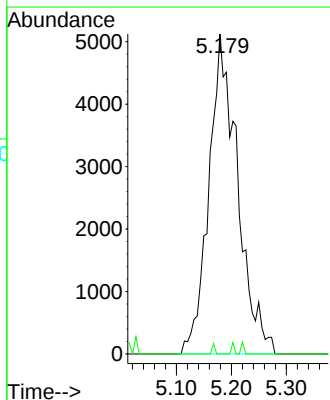
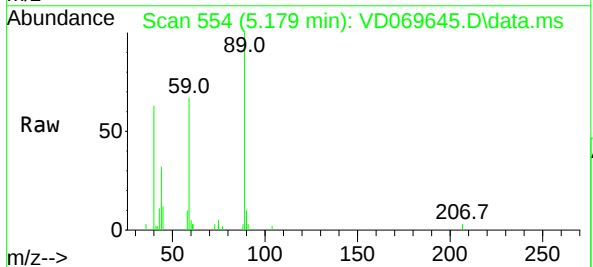
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

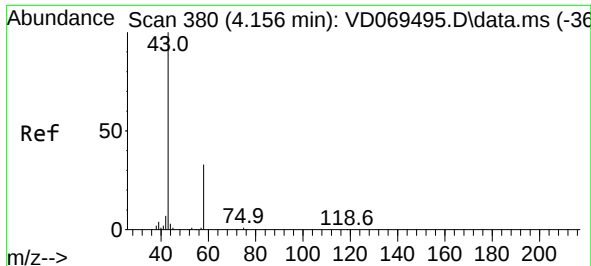
Tgt Ion:142 Resp: 2691
Ion Ratio Lower Upper
142 100
127 25.1 36.5 54.7#
141 2.9 12.0 18.0#



#11
Tert butyl alcohol
Concen: 11.363 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 59 Resp: 18595
Ion Ratio Lower Upper
59 100
57 0.3 4.6 7.0#

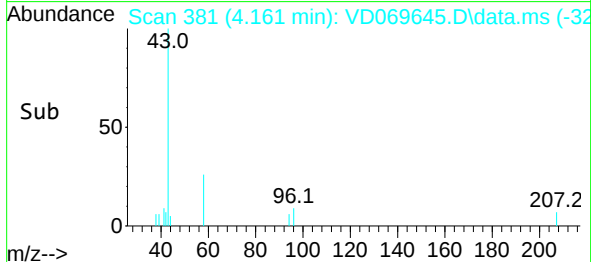
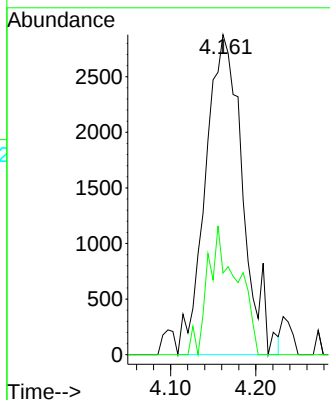
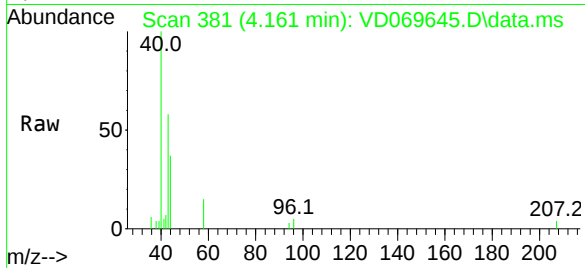




#16
Acetone
Concen: 7.699 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

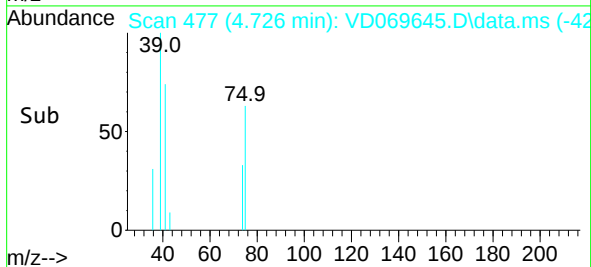
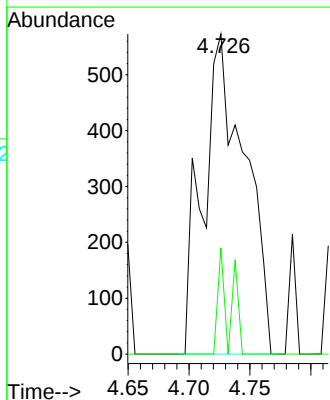
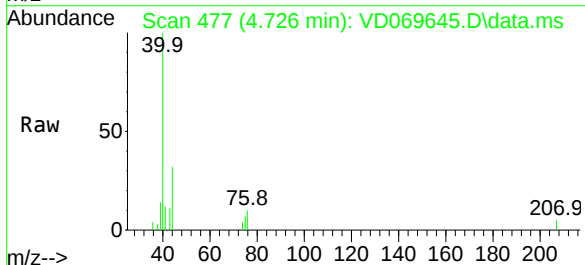
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

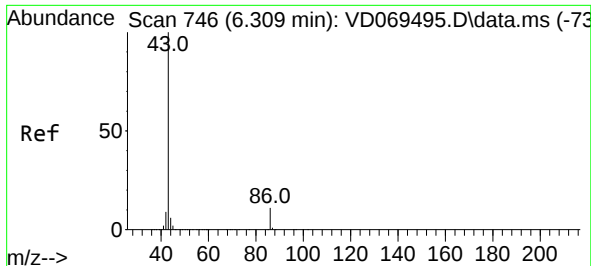
Tgt Ion: 43 Resp: 8681
Ion Ratio Lower Upper
43 100
58 25.5 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
74 9.3 21.0 31.4#

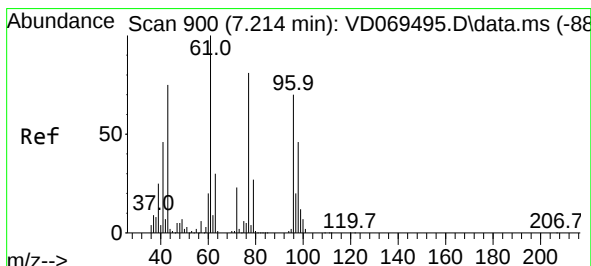
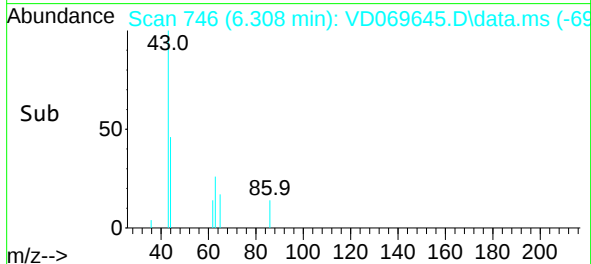
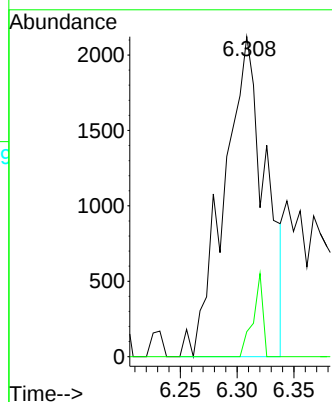
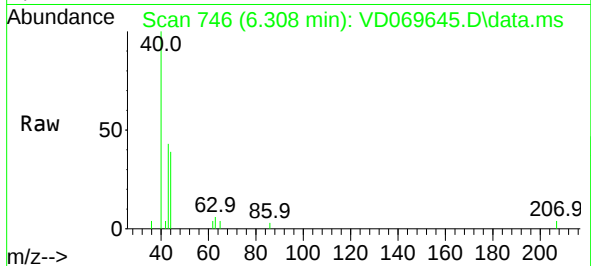




#23
 Vinyl Acetate
 Concen: 19.535 ug/l
 RT: 6.308 min Scan# 746
 Delta R.T. -0.001 min
 Lab File: VD069645.D
 Acq: 09 Jul 2021 13:15

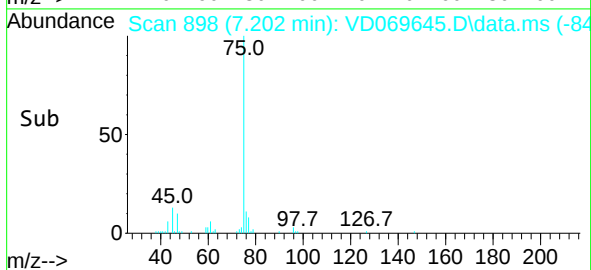
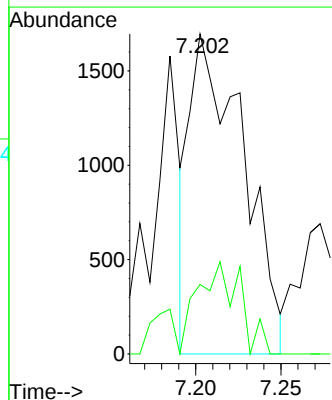
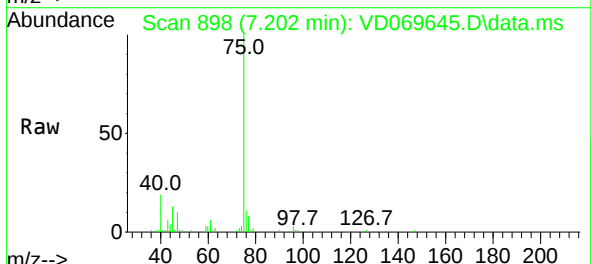
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0709SBL01

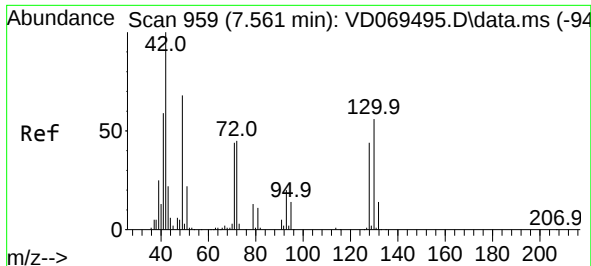
Tgt Ion: 43 Resp: 5412
 Ion Ratio Lower Upper
 43 100
 86 7.8 9.1 13.7#



#25
 2-Butanone
 Concen: 2.610 ug/l
 RT: 7.202 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD069645.D
 Acq: 09 Jul 2021 13:15

Tgt Ion: 43 Resp: 3739
 Ion Ratio Lower Upper
 43 100
 72 24.8 24.3 36.5





#29

Tetrahydrofuran

Concen: 2.710 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD069645.D

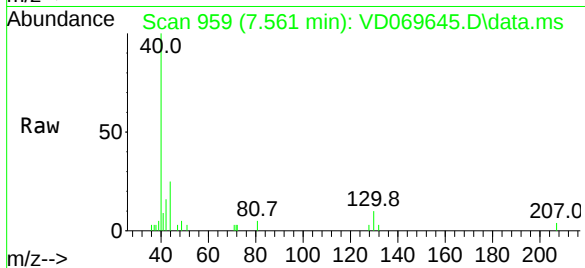
Acq: 09 Jul 2021 13:15

Instrument :

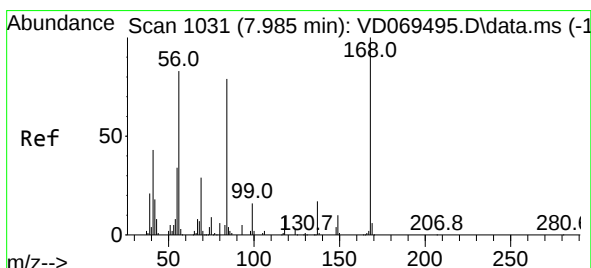
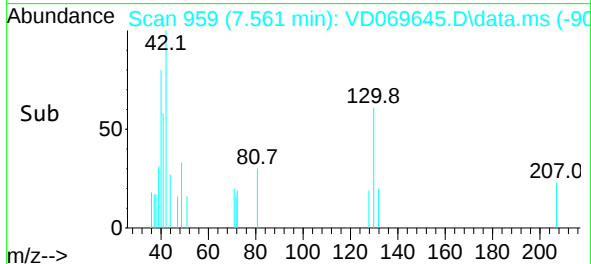
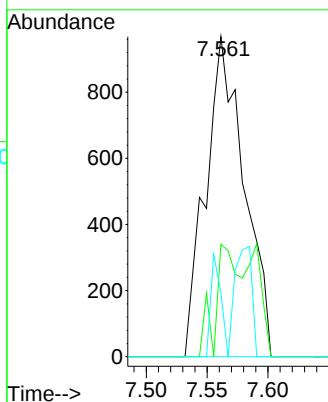
MSVOA_D

ClientSampleId :

VD0709SBL01



Tgt Ion:	42	Resp:	2129
Ion Ratio	Lower	Upper	
42	100		
72	22.2	37.9	56.9#
71	8.3	35.1	52.7#



#31

Cyclohexane

Concen: 2.051 ug/l

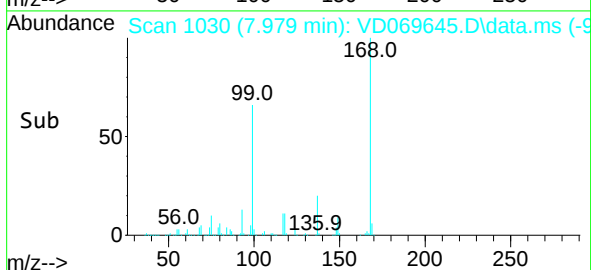
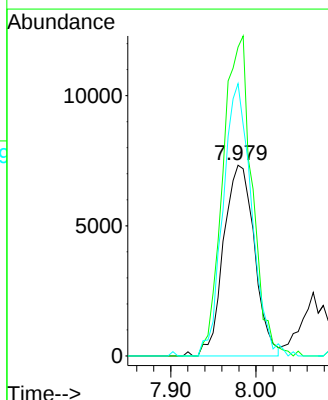
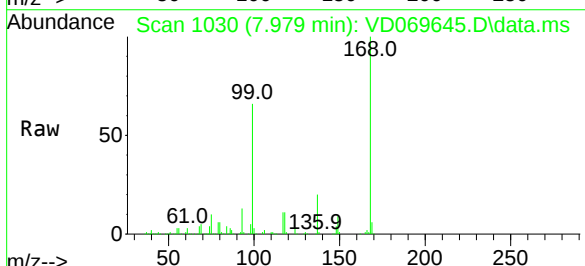
RT: 7.979 min Scan# 1030

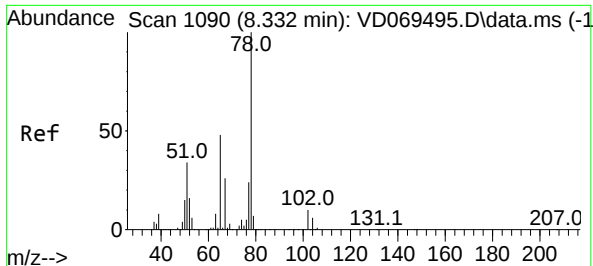
Delta R.T. -0.006 min

Lab File: VD069645.D

Acq: 09 Jul 2021 13:15

Tgt Ion:	56	Resp:	18496
Ion Ratio	Lower	Upper	
56	100		
69	161.9	28.0	42.0#
84	142.8	75.7	113.5#



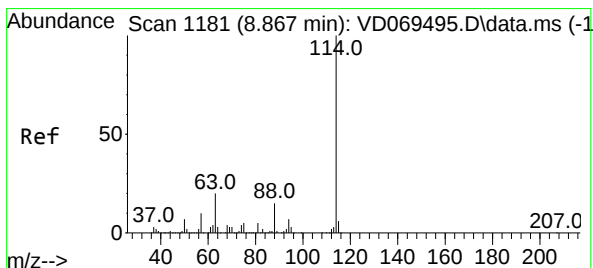
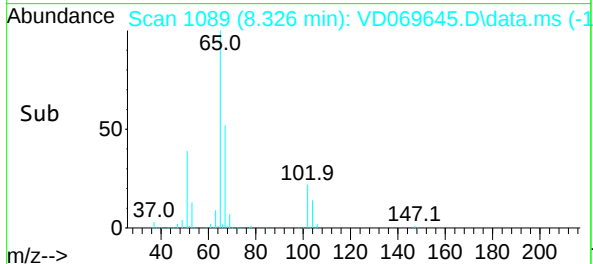
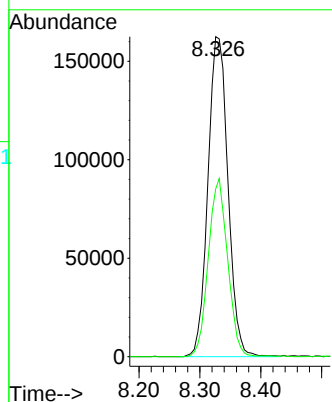
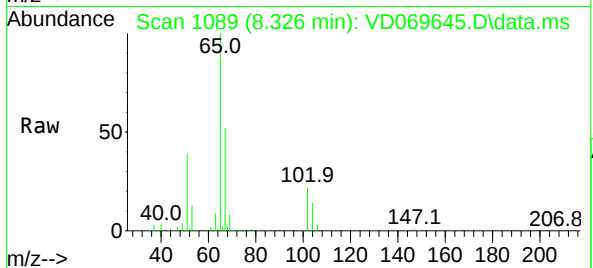


#33

1,2-Dichloroethane-d4
Concen: 55.473 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

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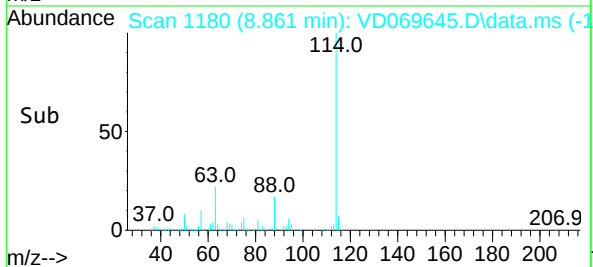
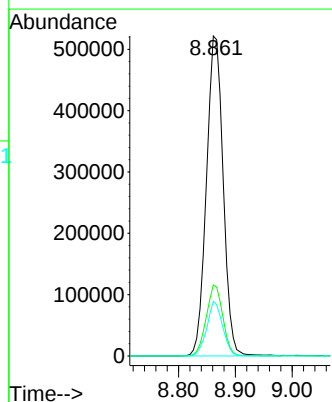
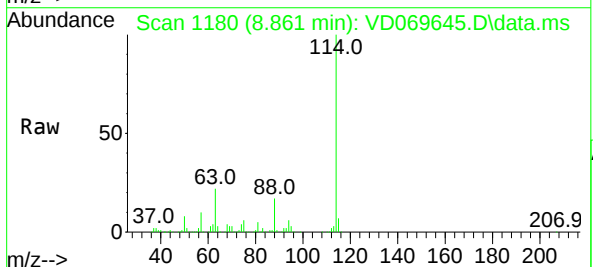
Tgt Ion: 65 Resp: 371619
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.6

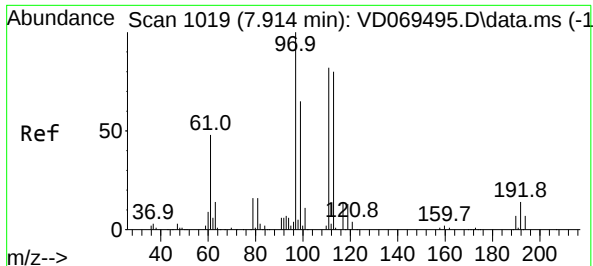


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 114 Resp: 1065973
Ion Ratio Lower Upper
114 100
63 22.2 0.0 39.6
88 17.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.256 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069645.D

Acq: 09 Jul 2021 13:15

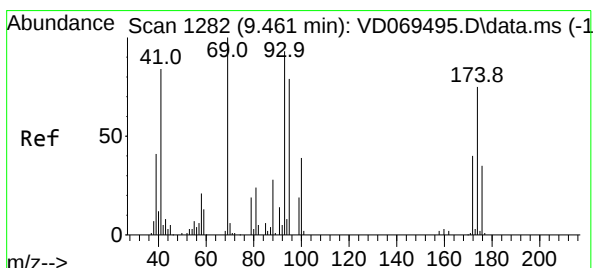
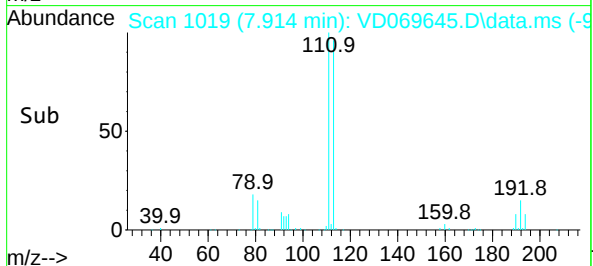
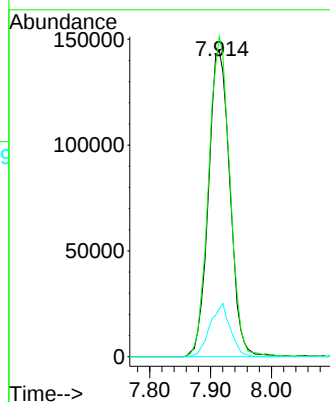
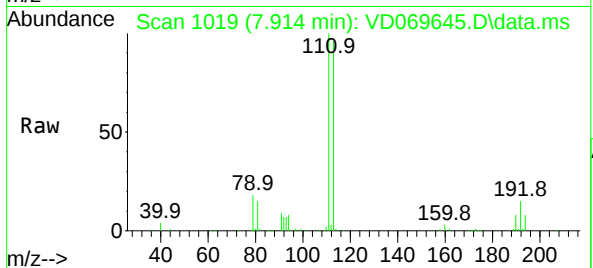
Instrument :

MSVOA_D

ClientSampleId :

VD0709SBL01

Tgt Ion:	113	Resp:	354931
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	16.4	13.8	20.6



#49

1,4-Dioxane

Concen: 1.502 ug/l

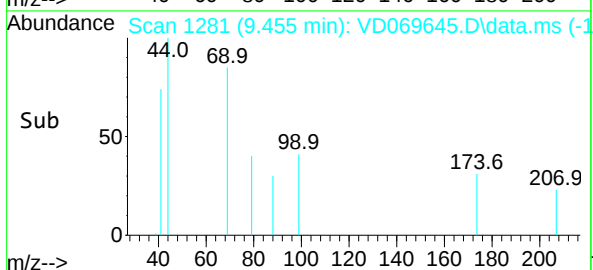
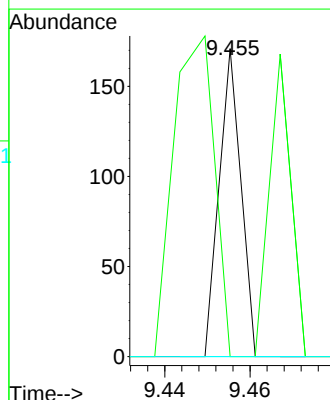
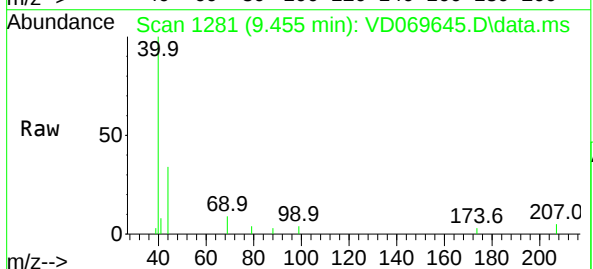
RT: 9.455 min Scan# 1281

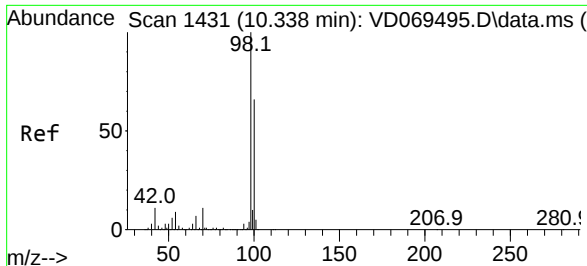
Delta R.T. -0.006 min

Lab File: VD069645.D

Acq: 09 Jul 2021 13:15

Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	198.3	26.5	39.7#
58	0.0	56.0	84.0#

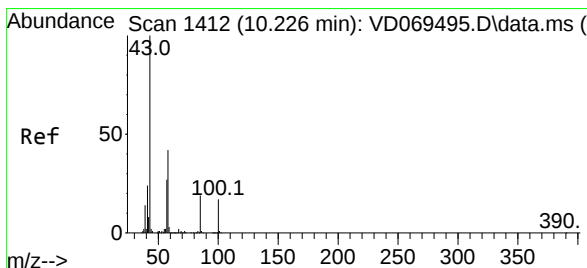
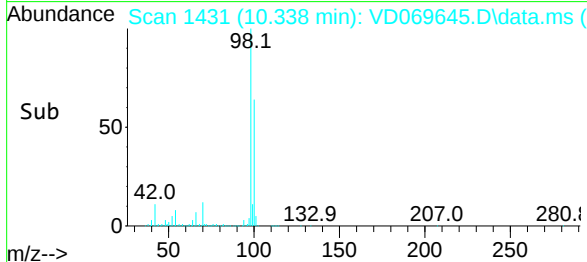
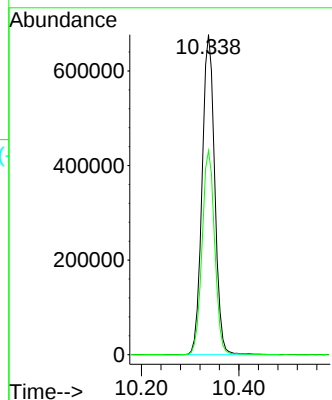
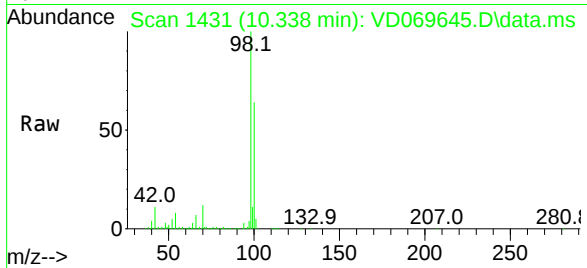




#50
Toluene-d8
Concen: 44.918 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

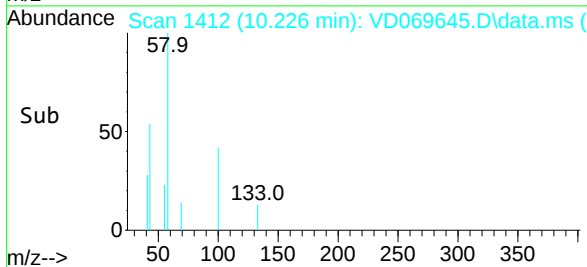
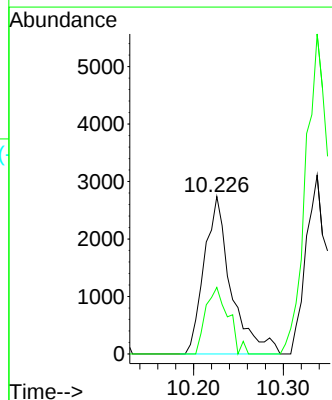
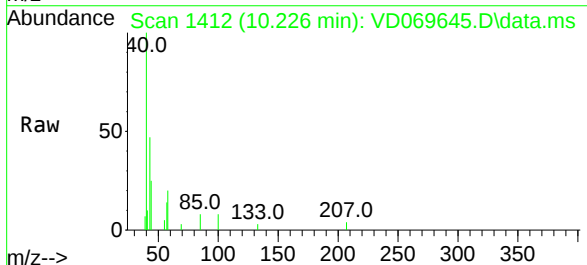
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

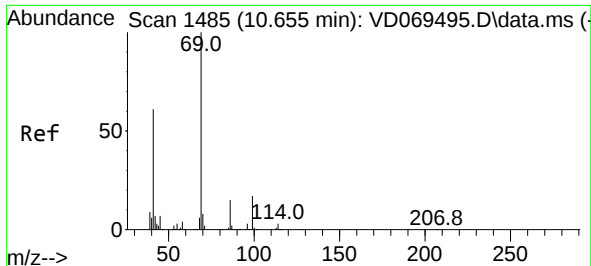
Tgt Ion: 98 Resp: 1214071
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.543 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 43 Resp: 5721
Ion Ratio Lower Upper
43 100
58 35.6 33.6 50.4

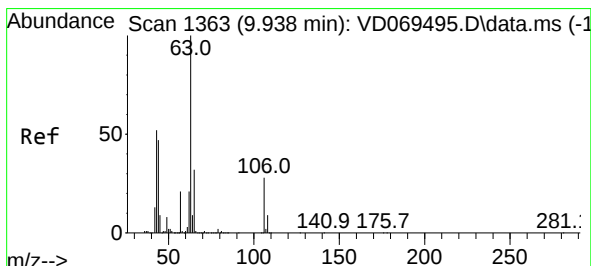
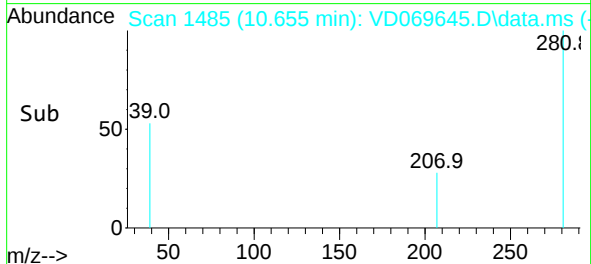
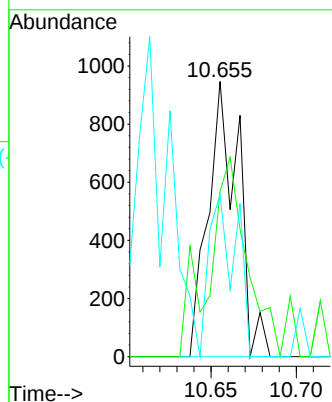
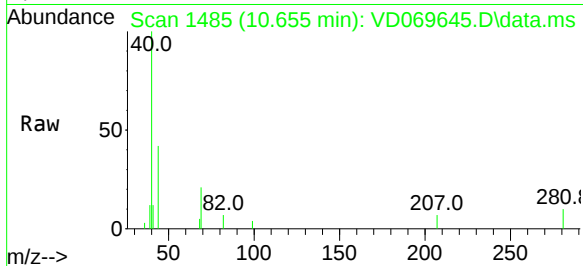




#56
Ethyl methacrylate
Concen: 2.745 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

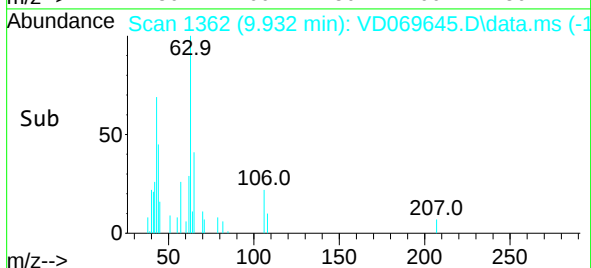
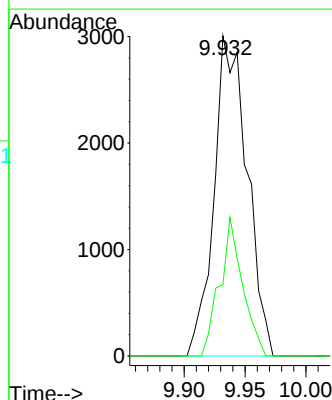
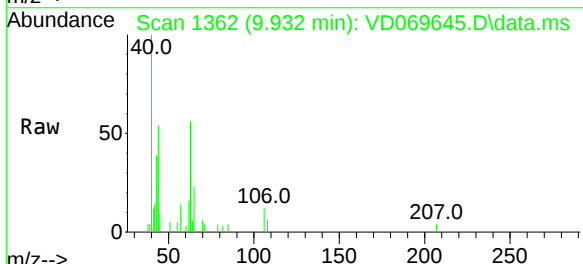
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

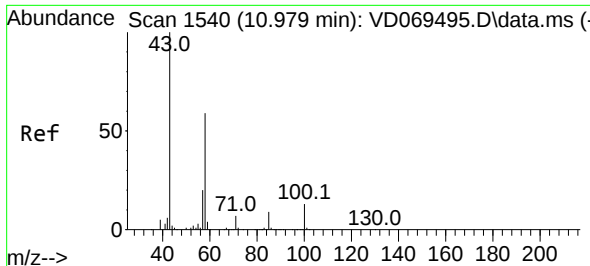
Tgt Ion: 69 Resp: 1164
Ion Ratio Lower Upper
69 100
41 91.9 49.4 74.0#
39 53.3 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 12.144 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 63 Resp: 5679
Ion Ratio Lower Upper
63 100
106 30.0 22.2 33.2

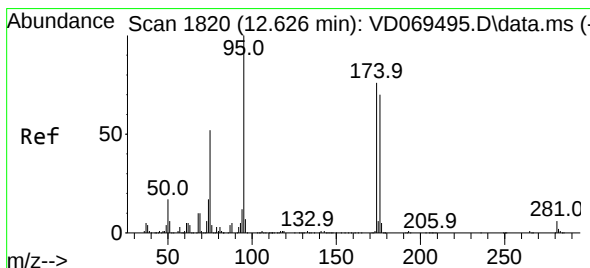
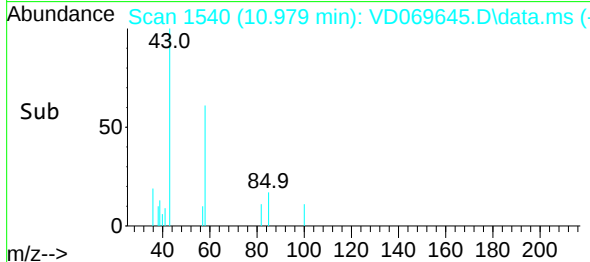
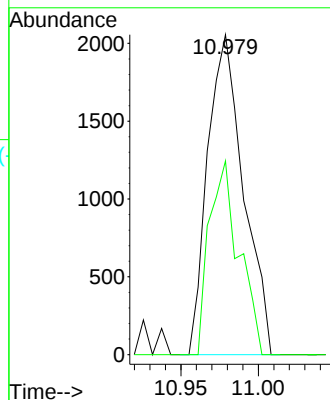
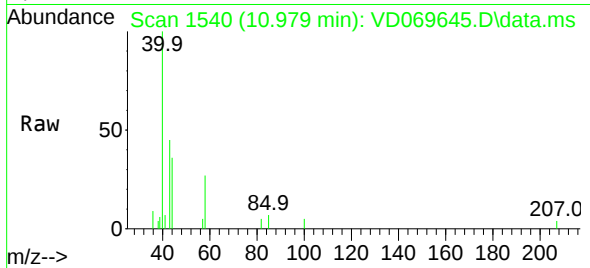




#59
2-Hexanone
Concen: 1.322 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

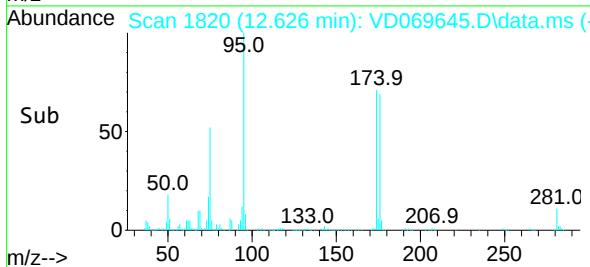
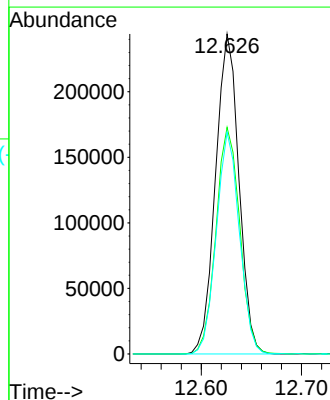
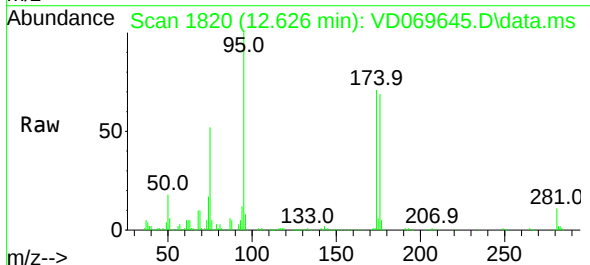
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

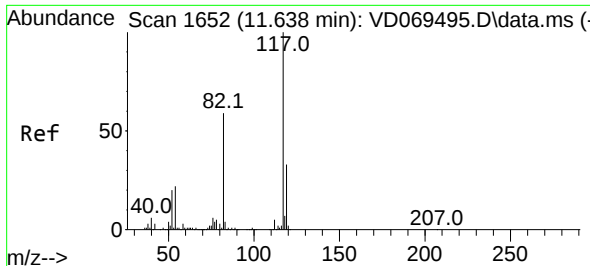
Tgt Ion: 43 Resp: 3309
Ion Ratio Lower Upper
43 100
58 50.1 28.7 86.3



#62
4-Bromofluorobenzene
Concen: 44.423 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 95 Resp: 394730
Ion Ratio Lower Upper
95 100
174 72.0 0.0 148.0
176 68.4 0.0 139.8

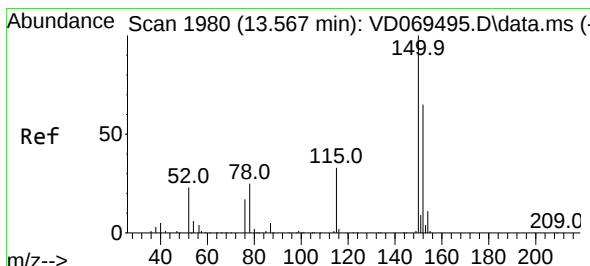
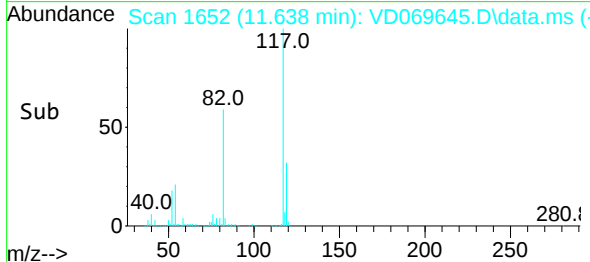
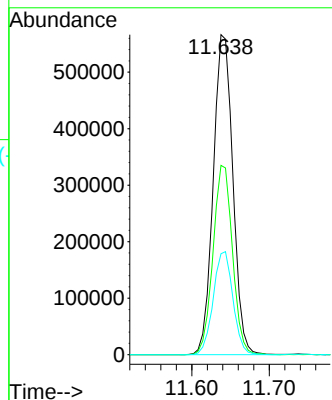
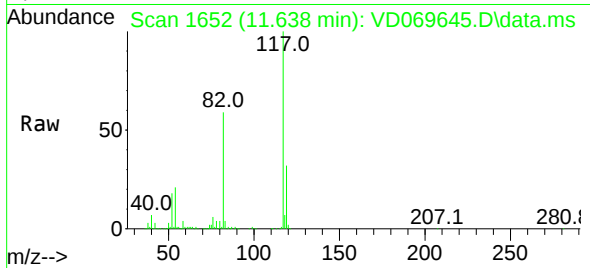




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

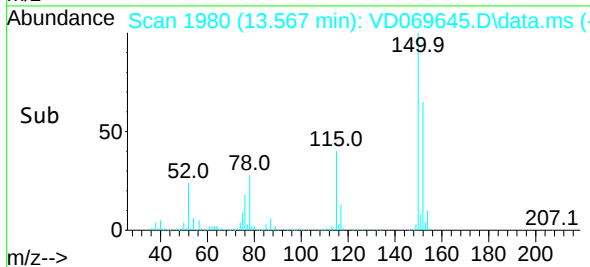
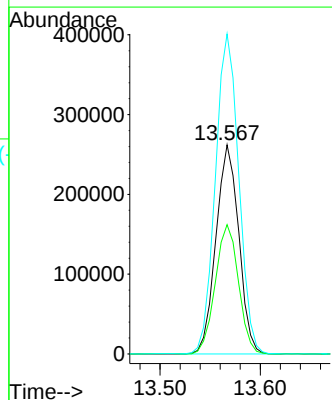
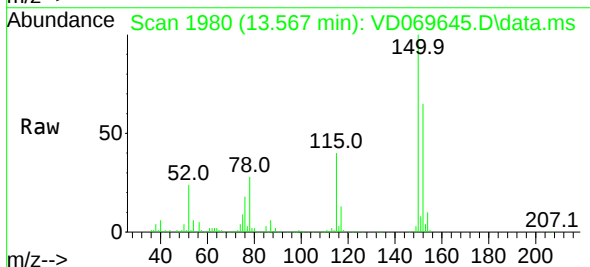
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

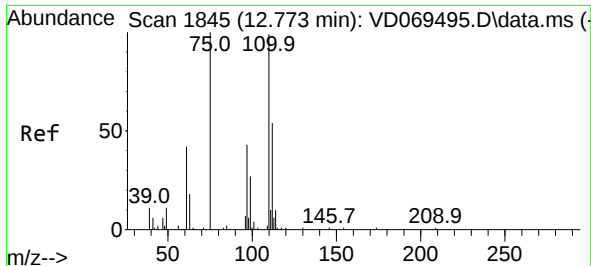
Tgt Ion:117 Resp: 996554
Ion Ratio Lower Upper
117 100
82 59.2 46.8 70.2
119 31.6 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion:152 Resp: 414157
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 157.0 0.0 350.8

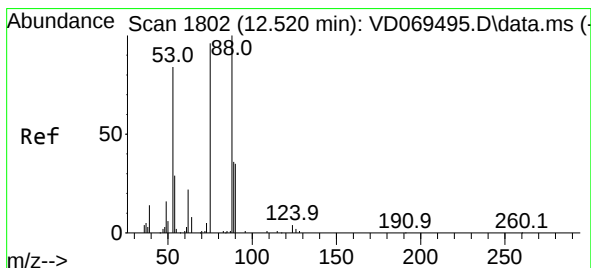
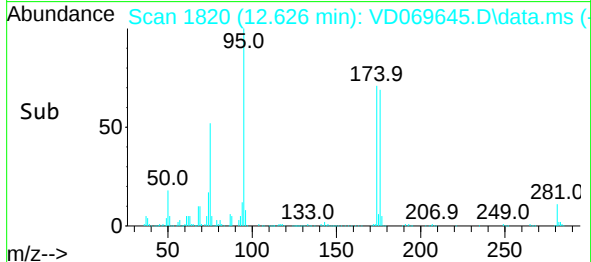
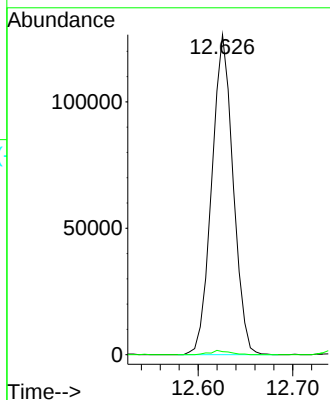
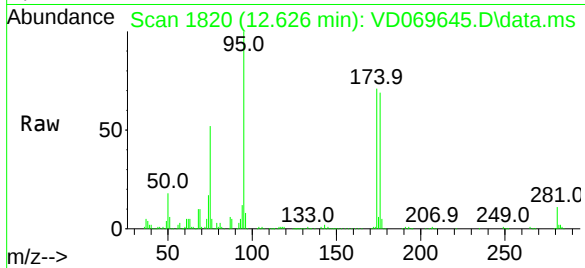




#76
1,2,3-Trichloropropane
Concen: 48.813 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

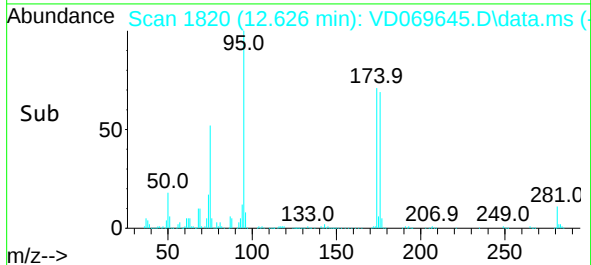
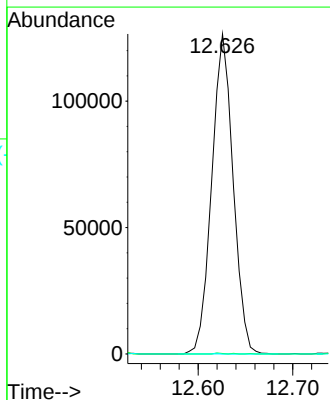
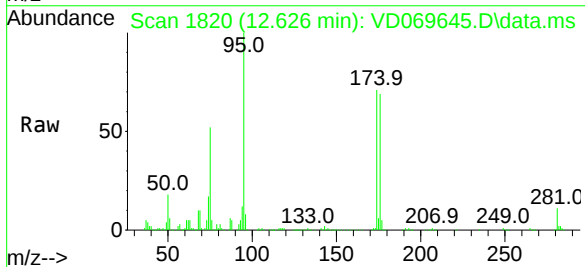
Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

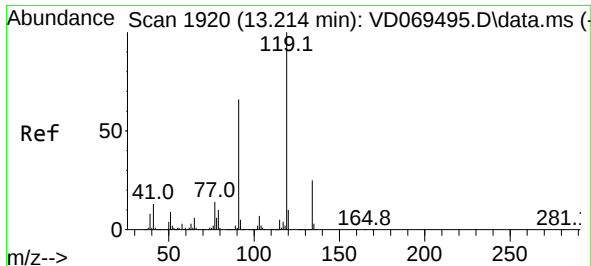
Tgt Ion: 75 Resp: 198450
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.880 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion: 75 Resp: 198450
Ion Ratio Lower Upper
75 100
53 0.1 74.6 112.0#
89 0.1 35.3 52.9#

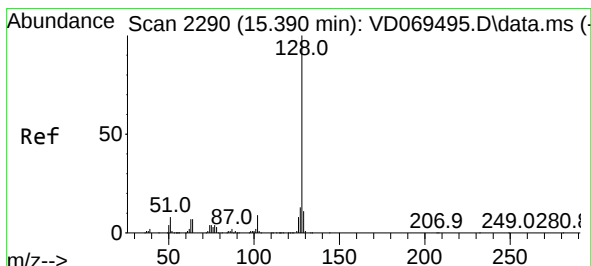
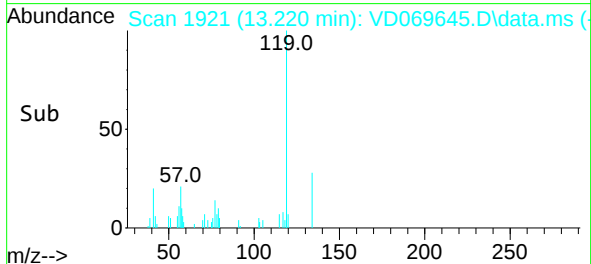
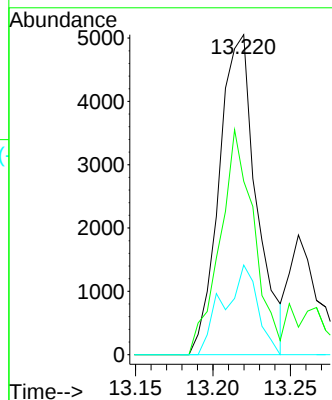
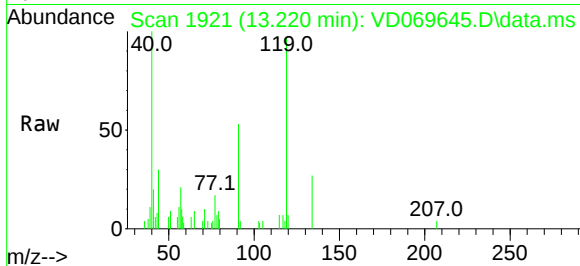




#83
tert-Butylbenzene
Concen: 2.370 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0709SBL01

Tgt Ion:119	Resp:	8472
Ion Ratio	Lower	Upper
119	100	
91	64.3	32.5 97.4
134	25.6	12.9 38.7



#95
Naphthalene
Concen: 4.079 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069645.D
Acq: 09 Jul 2021 13:15

Tgt Ion:128	Resp:	10018
Ion Ratio	Lower	Upper
128	100	
127	14.6	10.6 16.0
129	10.0	8.7 13.1

