

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069584.D
 Acq On : 06 Jul 2021 16:15
 Operator : VA/SY
 Sample : M2926-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Jul 07 04:53:31 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)

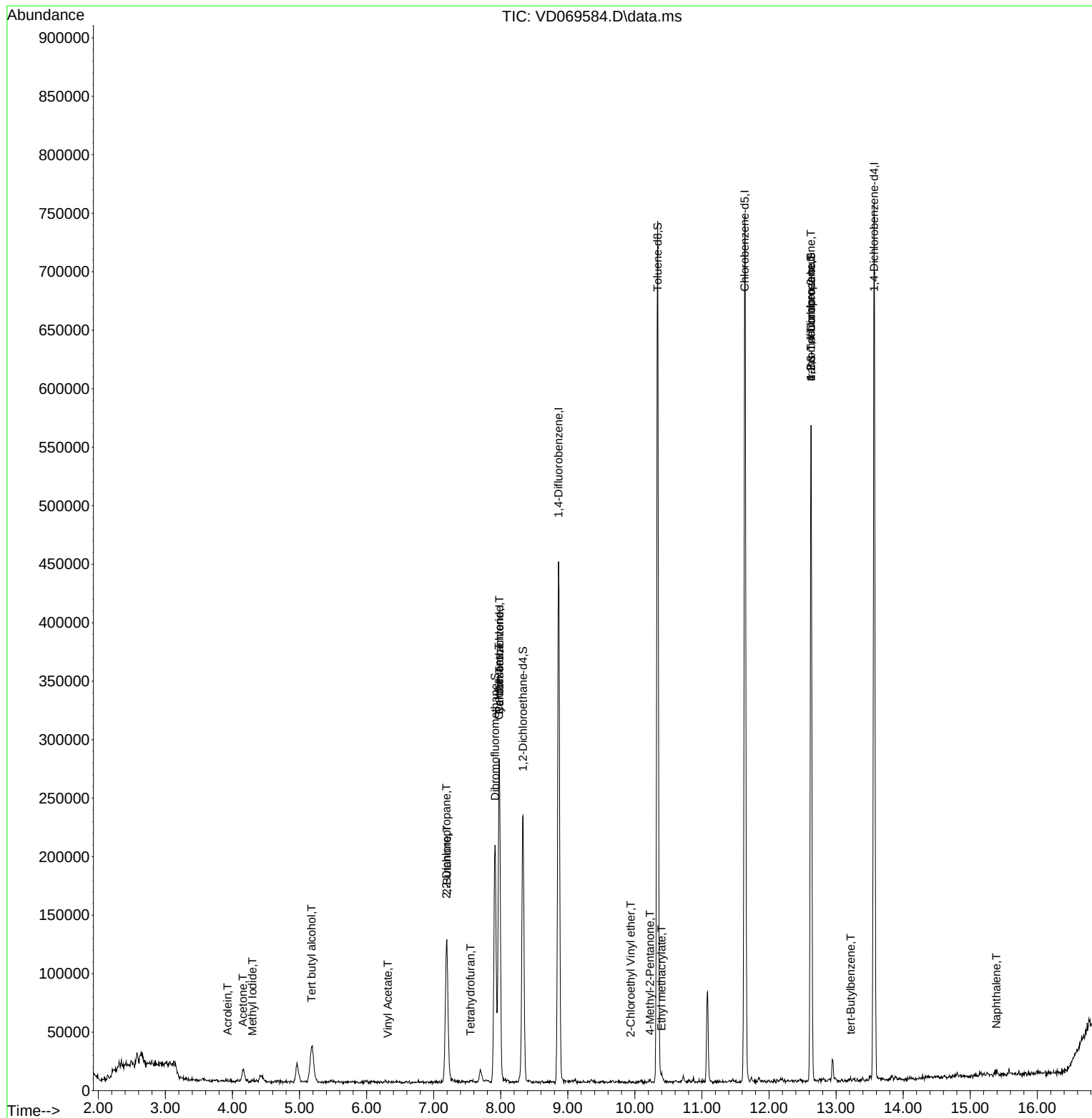
Internal Standards						
1) Pentafluorobenzene	7.979	168	189942	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	377082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	427811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	197110	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	184313	77.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 155.700%			
35) Dibromofluoromethane	7.914	113	152265	59.735	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.480%			
50) Toluene-d8	10.338	98	494873	51.759	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.520%			
62) 4-Bromofluorobenzene	12.626	95	192166	61.136	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.280%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	2645	Below Cal	#	77
10) Methyl Iodide	4.297	142	1289	4.537	ug/l #	71
11) Tert butyl alcohol	5.179	59	30280	243.907	ug/l #	85
13) Acrolein	3.926	56	282	2.140	ug/l #	66
16) Acetone	4.156	43	17813	44.700	ug/l #	87
18) Methyl Acetate	4.732	43	296	Below Cal	#	49
20) Methylene Chloride	4.962	84	10821	Below Cal		96
23) Vinyl Acetate	6.314	43	395	19.119	ug/l #	70
25) 2-Butanone	7.197	43	7633	15.073	ug/l #	67
26) 2,2-Dichloropropane	7.191	77	9834	2.866	ug/l #	54
29) Tetrahydrofuran	7.550	42	879	3.166	ug/l #	36
31) Cyclohexane	7.973	56	5715	1.793	ug/l #	4
38) Carbon Tetrachloride	7.979	117	21543	5.882	ug/l #	19
51) 4-Methyl-2-Pentanone	10.226	43	1689	1.287	ug/l #	74
56) Ethyl methacrylate	10.397	69	54	2.603	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.938	63	83	10.664	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	97904	50.599	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	97904	126.340	ug/l #	12
83) tert-Butylbenzene	13.220	119	992	2.085	ug/l	87
95) Naphthalene	15.390	128	2929	3.799	ug/l #	87

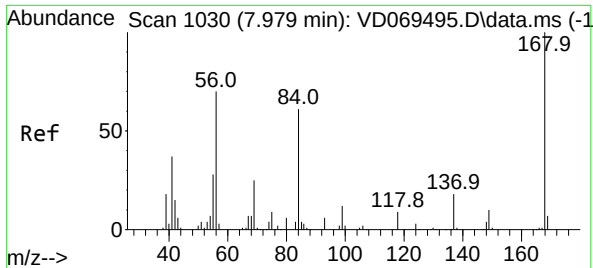
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
Data File : VD069584.D
Acq On : 06 Jul 2021 16:15
Operator : VA/SY
Sample : M2926-01
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Quant Time: Jul 07 04:53:31 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

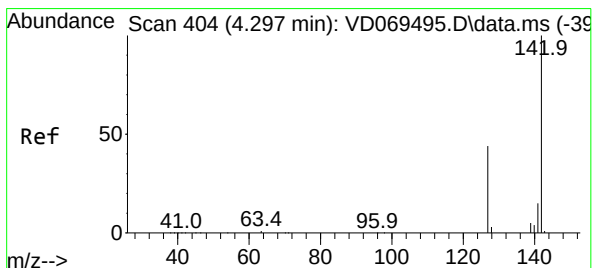
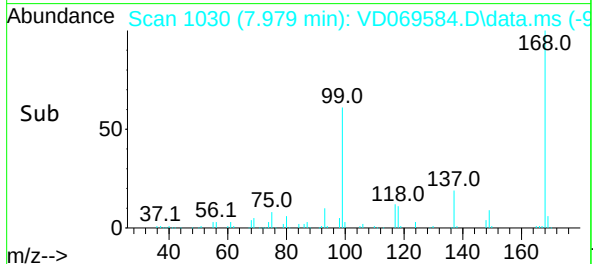
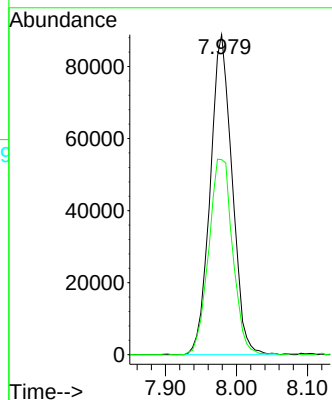
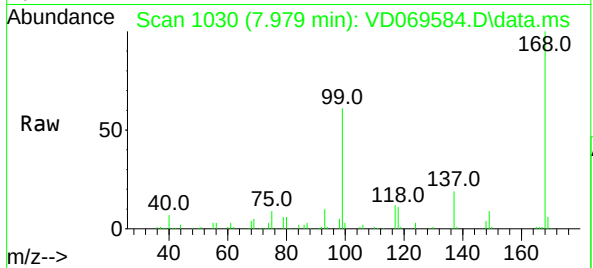




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

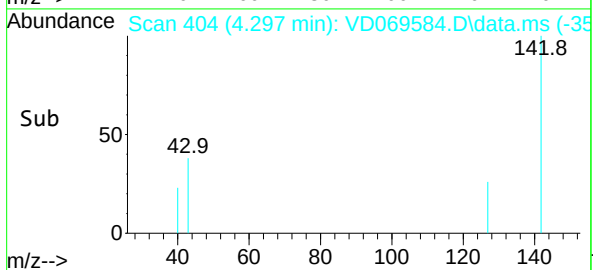
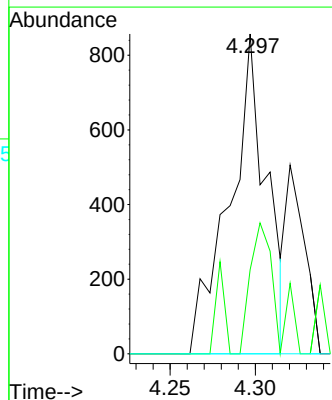
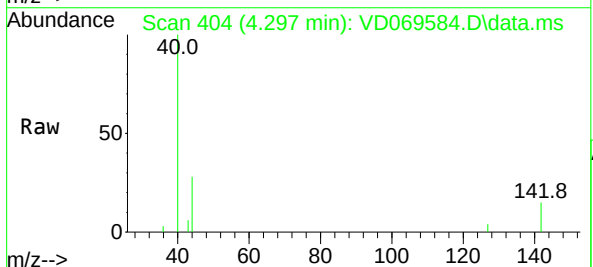
Instrument :
MSVOA_D
ClientSampled :
TP-1

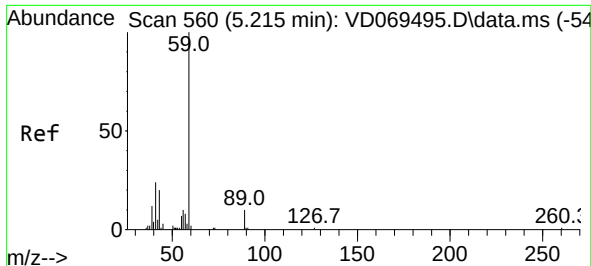
Tgt Ion:168 Resp: 189942
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#10
Methyl Iodide
Concen: 4.537 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion:142 Resp: 1289
Ion Ratio Lower Upper
142 100
127 28.5 36.5 54.7#
141 0.0 12.0 18.0#



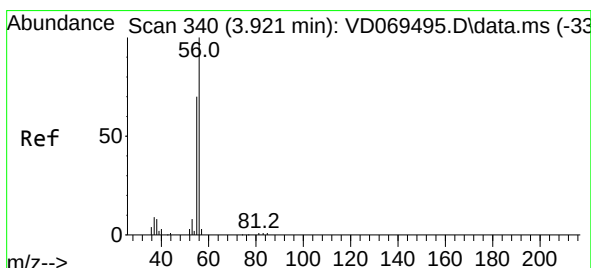
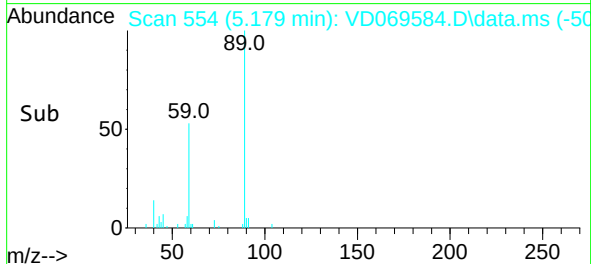
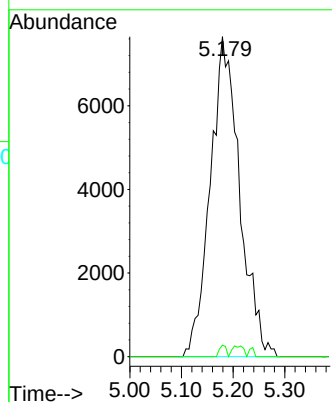
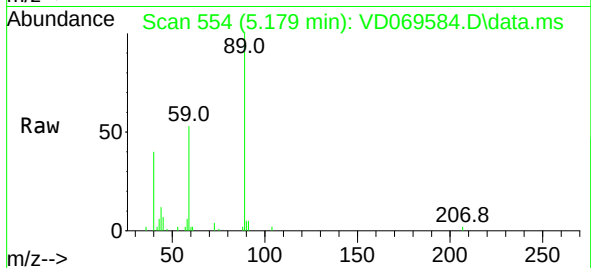


#11

Tert butyl alcohol
Concen: 243.907 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Instrument :
MSVOA_D
ClientSampled :
TP-1

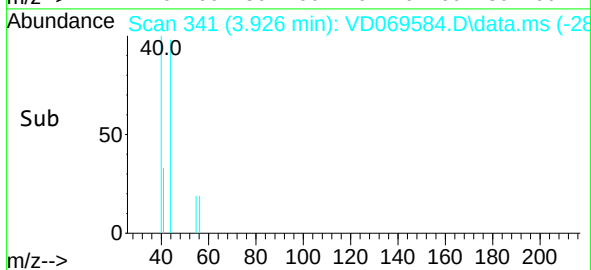
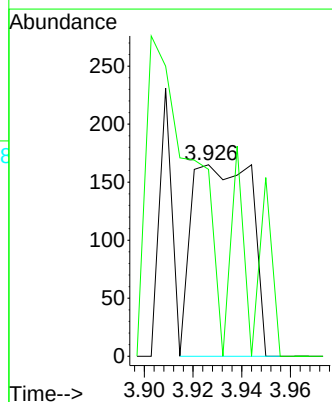
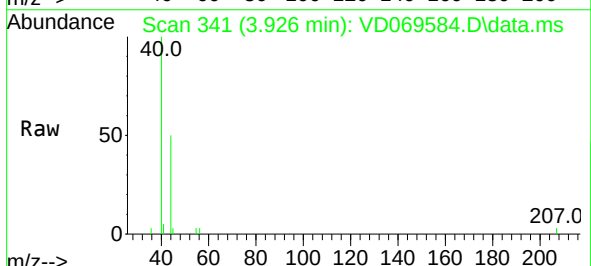
Tgt Ion: 59 Resp: 30280
Ion Ratio Lower Upper
59 100
57 0.8 4.6 7.0#

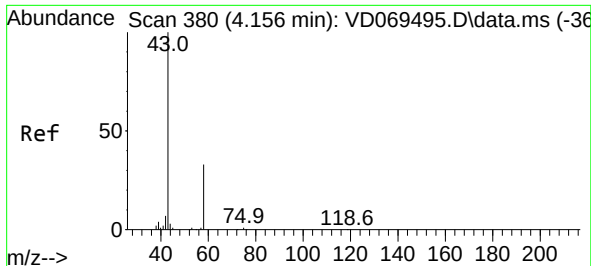


#13

Acrolein
Concen: 2.140 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 41.8 56.0 84.0#

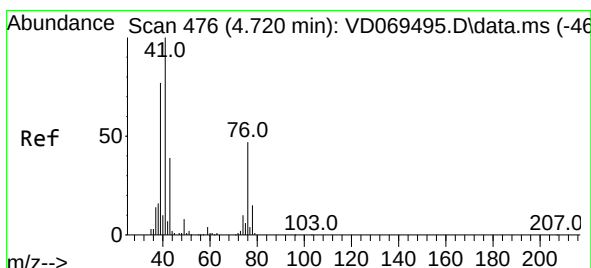
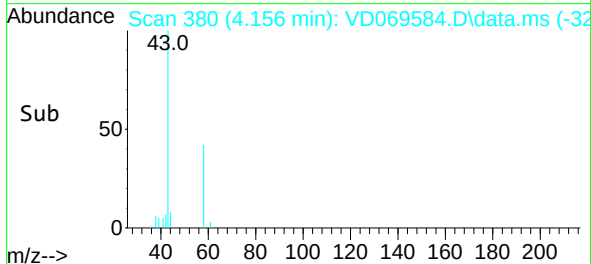
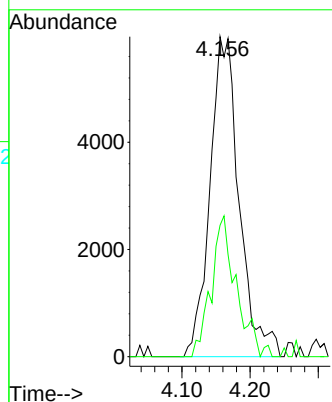
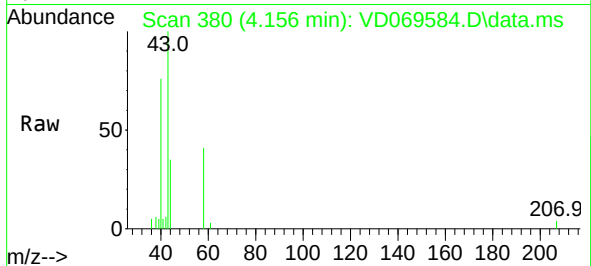




#16
Acetone
Concen: 44.700 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

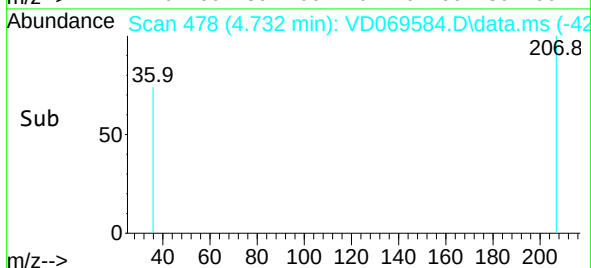
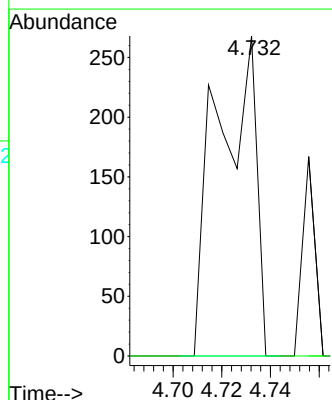
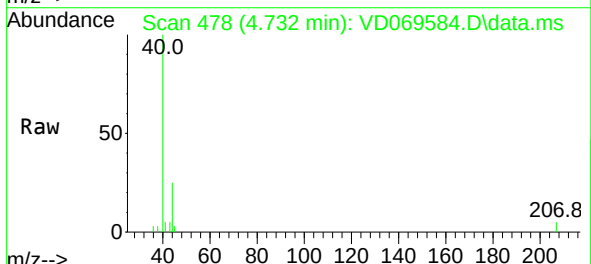
Instrument :
MSVOA_D
ClientSampled :
TP-1

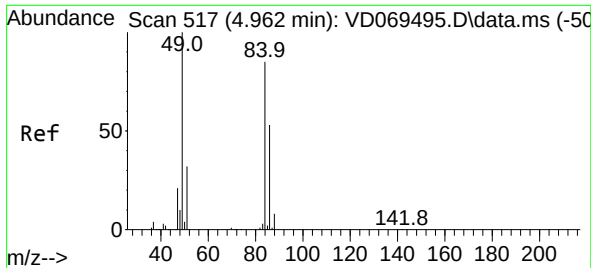
Tgt Ion: 43 Resp: 17813
Ion Ratio Lower Upper
43 100
58 41.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

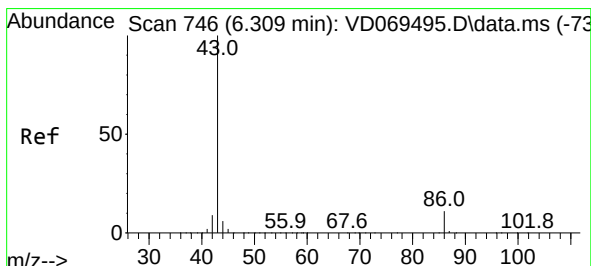
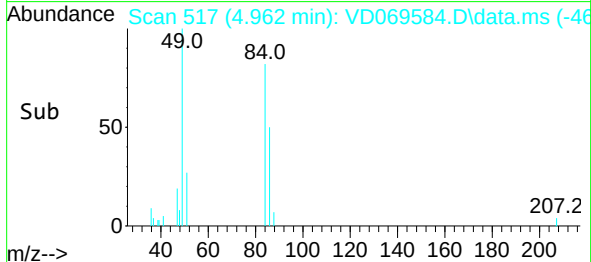
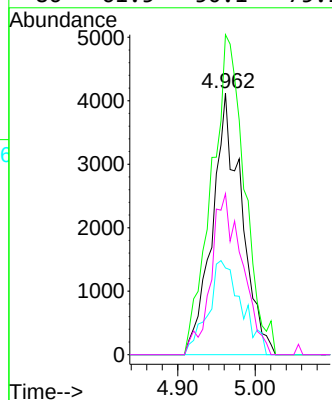
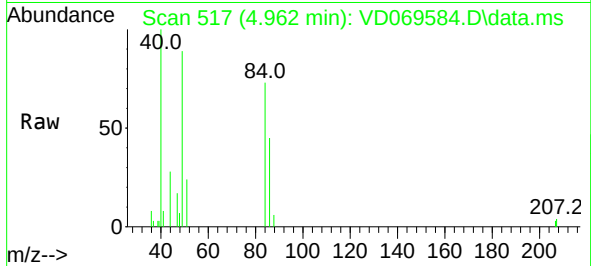




#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

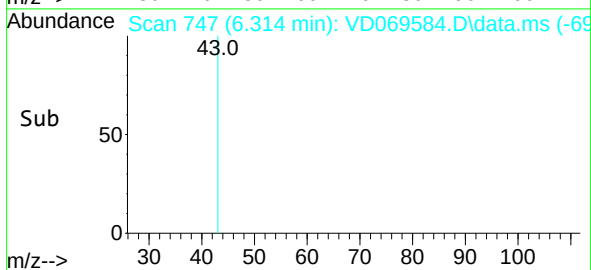
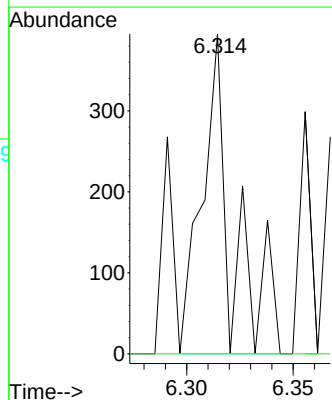
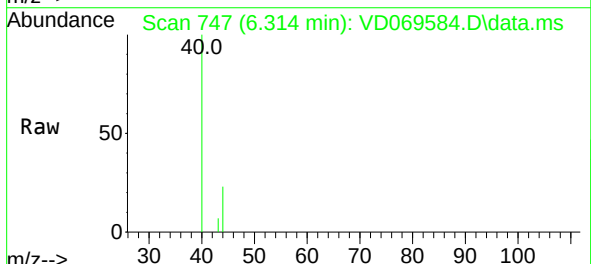
Instrument :
MSVOA_D
ClientSampled :
TP-1

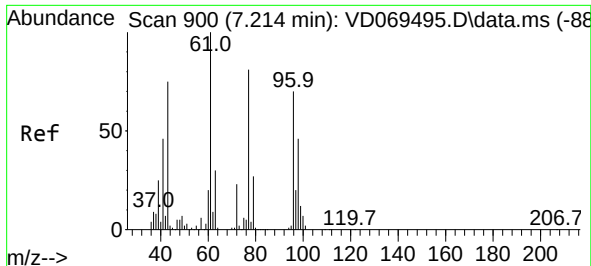
Tgt Ion:	84	Resp:	10821
Ion	Ratio	Lower	Upper
84	100		
49	122.3	94.0	141.0
51	33.2	29.7	44.5
86	61.5	50.1	75.1



#23
Vinyl Acetate
Concen: 19.119 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

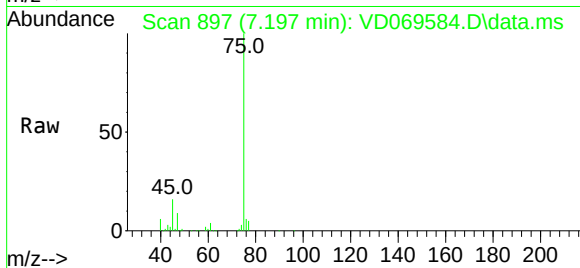
Tgt Ion:	43	Resp:	395
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#



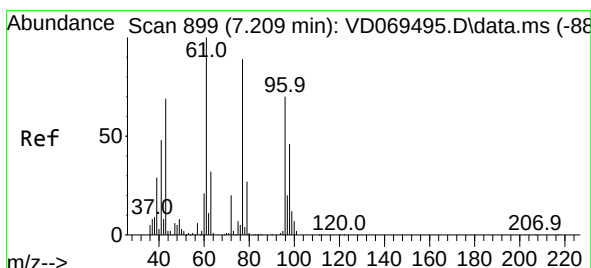
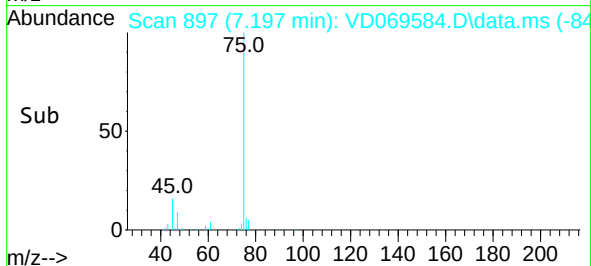
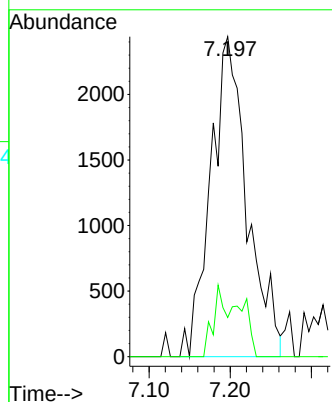


#25
2-Butanone
Concen: 15.073 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Instrument :
MSVOA_D
ClientSampled :
TP-1

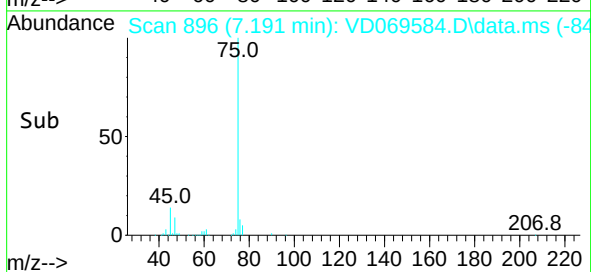
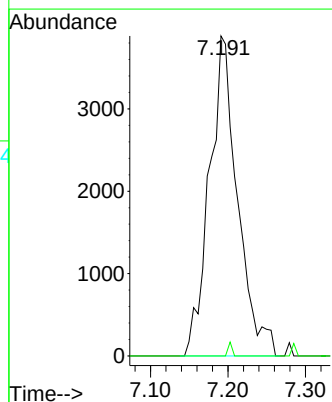
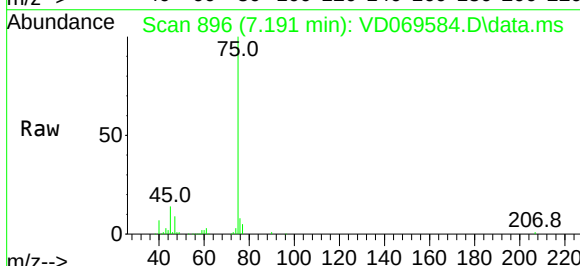


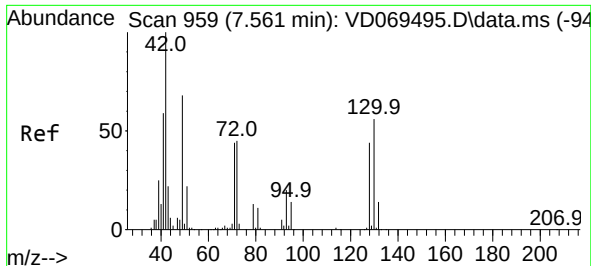
Tgt Ion: 43 Resp: 7633
Ion Ratio Lower Upper
43 100
72 12.3 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 2.866 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion: 77 Resp: 9834
Ion Ratio Lower Upper
77 100
97 0.6 11.5 34.5#





#29

Tetrahydrofuran

Concen: 3.166 ug/l

RT: 7.550 min Scan# 957

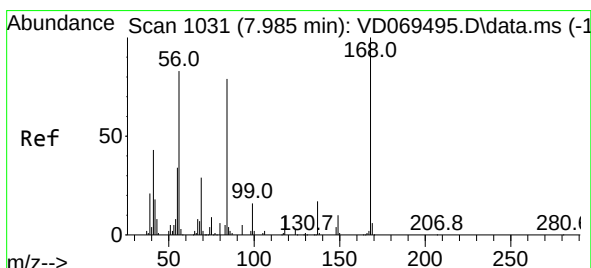
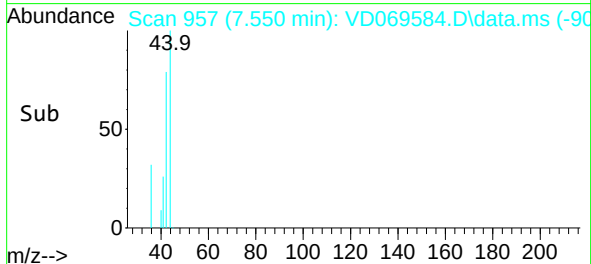
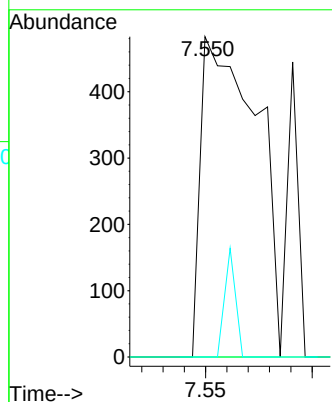
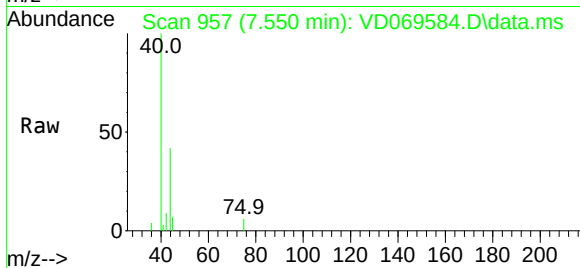
Delta R.T. -0.012 min

Lab File: VD069584.D

Acq: 06 Jul 2021 16:15

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tgt Ion:	42	Resp:	879
Ion Ratio	Lower	Upper	
42	100		
72	0.0	37.9	56.9#
71	6.6	35.1	52.7#



#31

Cyclohexane

Concen: 1.793 ug/l

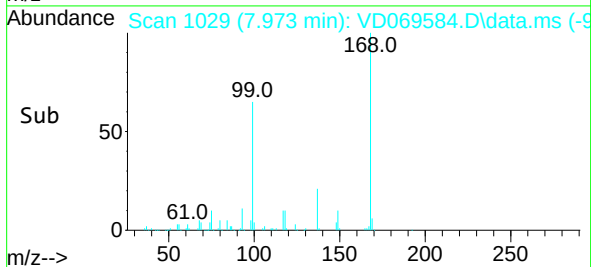
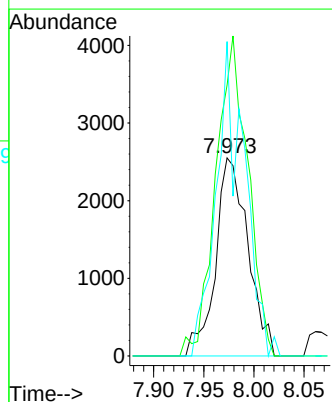
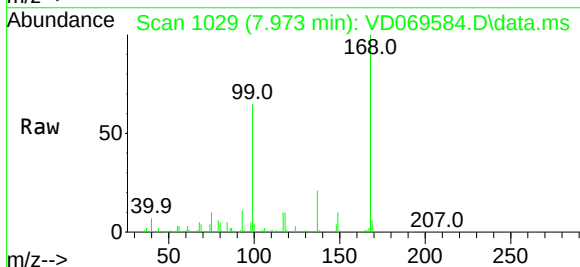
RT: 7.973 min Scan# 1029

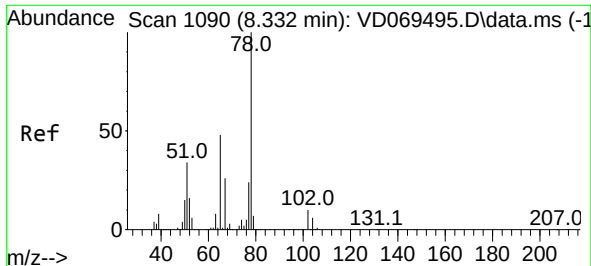
Delta R.T. -0.012 min

Lab File: VD069584.D

Acq: 06 Jul 2021 16:15

Tgt Ion:	56	Resp:	5715
Ion Ratio	Lower	Upper	
56	100		
69	136.8	28.0	42.0#
84	158.8	75.7	113.5#

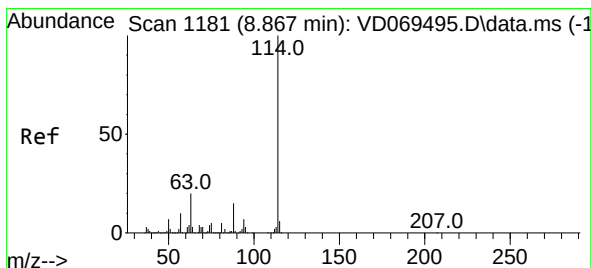
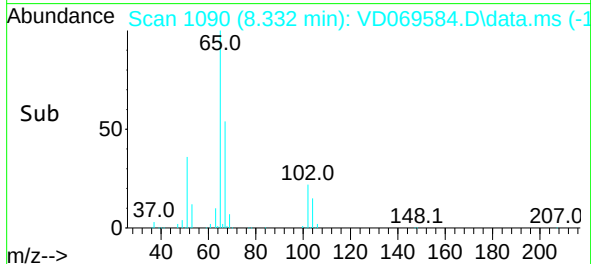
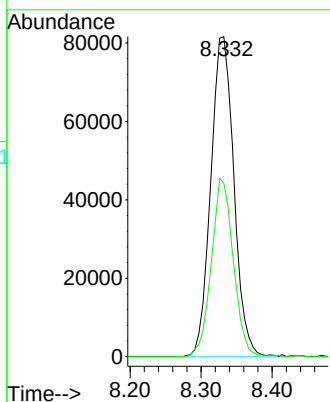
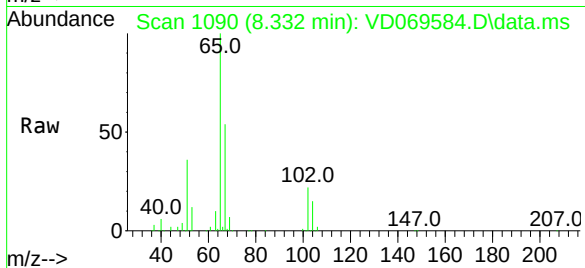




#33
 1,2-Dichloroethane-d4
 Concen: 77.848 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. -0.000 min
 Lab File: VD069584.D
 Acq: 06 Jul 2021 16:15

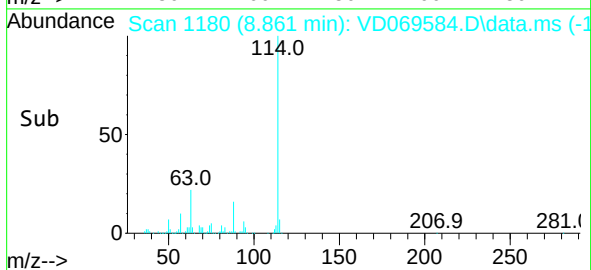
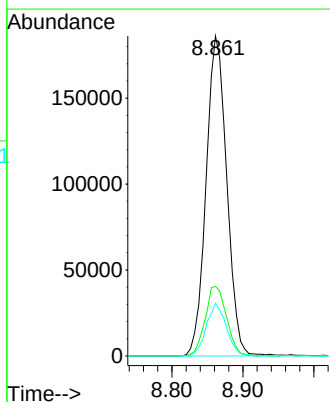
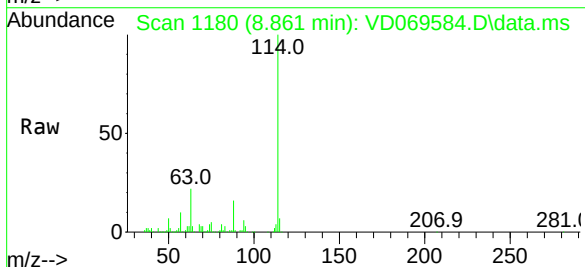
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

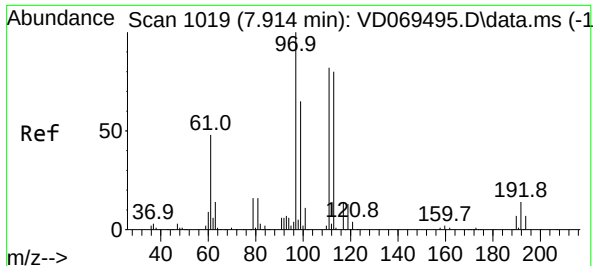
Tgt Ion: 65 Resp: 184313
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069584.D
 Acq: 06 Jul 2021 16:15

Tgt Ion: 114 Resp: 377082
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 39.6
 88 16.5 0.0 29.8

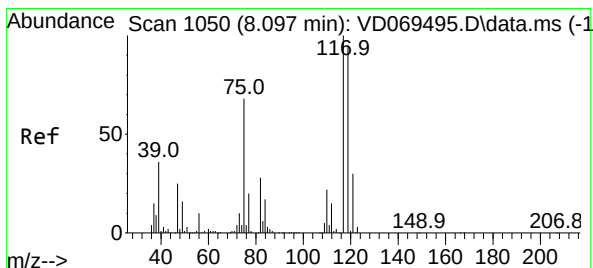
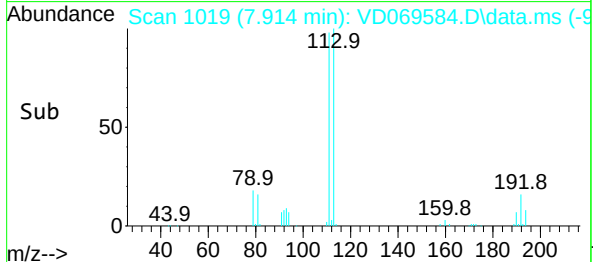
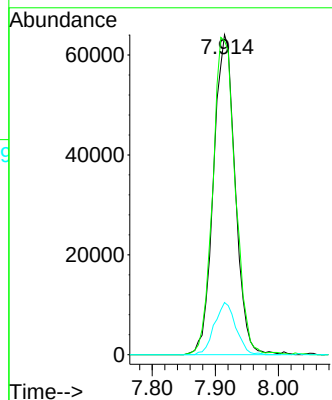
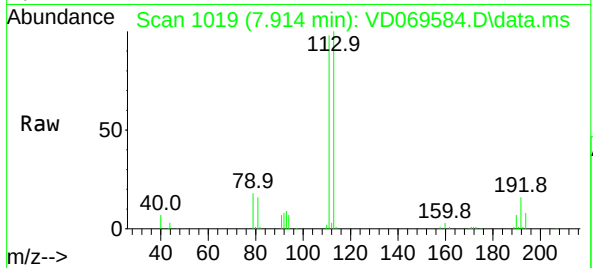




#35
Dibromofluoromethane
Concen: 59.735 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

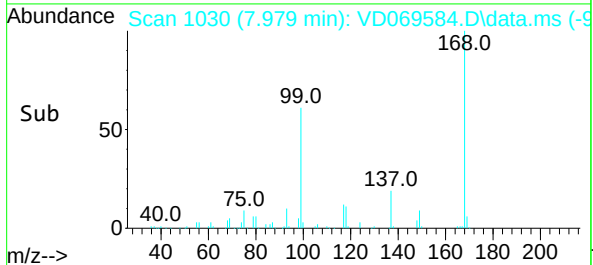
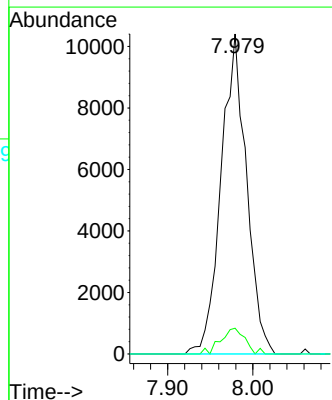
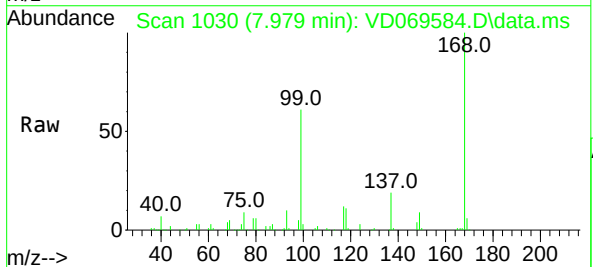
Instrument :
MSVOA_D
ClientSampleId :
TP-1

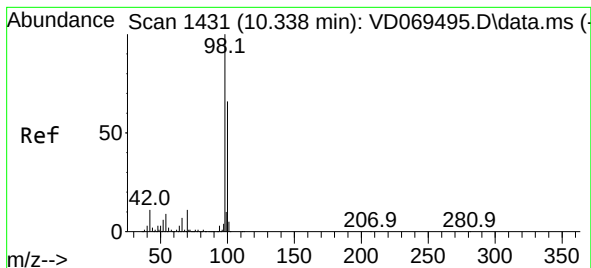
Tgt Ion:113 Resp: 152265
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 16.2 13.8 20.6



#38
Carbon Tetrachloride
Concen: 5.882 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion:117 Resp: 21543
Ion Ratio Lower Upper
117 100
119 8.0 75.6 113.4#
121 0.0 23.8 35.8#

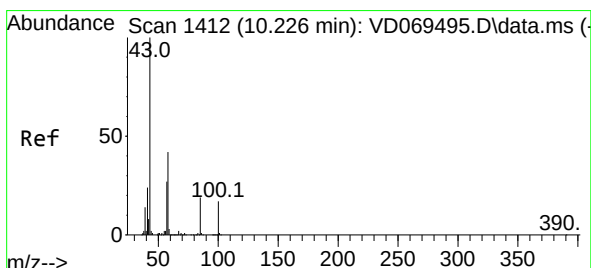
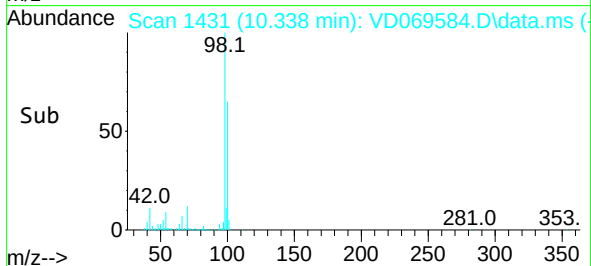
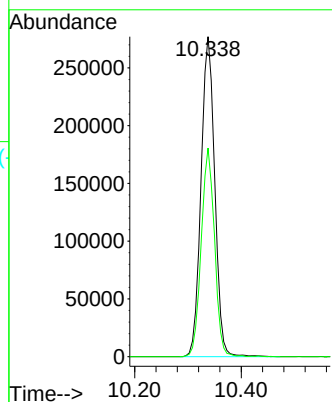
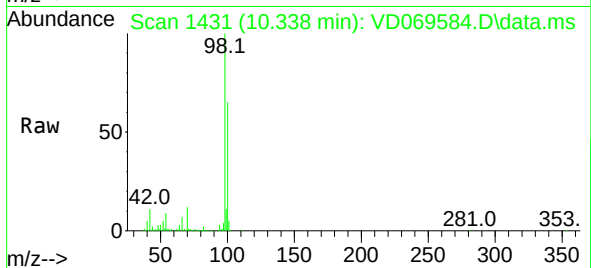




#50
Toluene-d8
Concen: 51.759 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

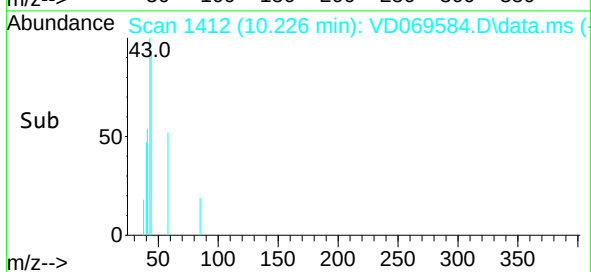
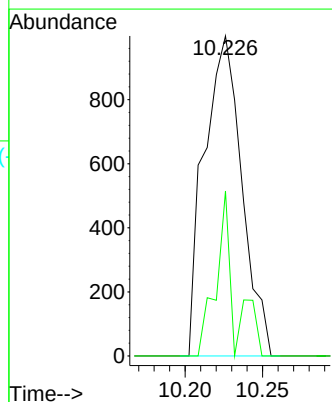
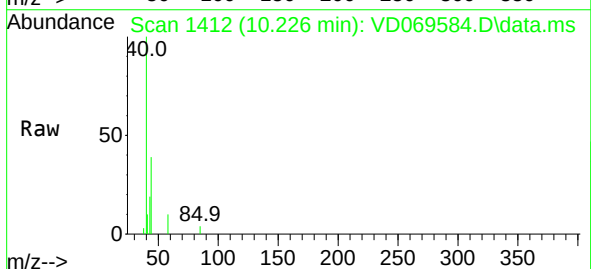
Instrument :
MSVOA_D
ClientSampleId :
TP-1

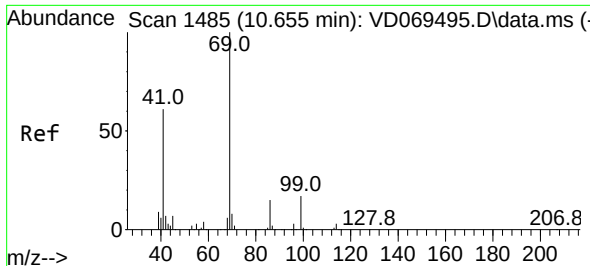
Tgt Ion: 98 Resp: 494873
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.287 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion: 43 Resp: 1689
Ion Ratio Lower Upper
43 100
58 25.5 33.6 50.4#

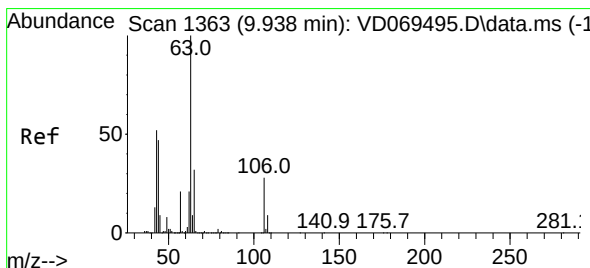
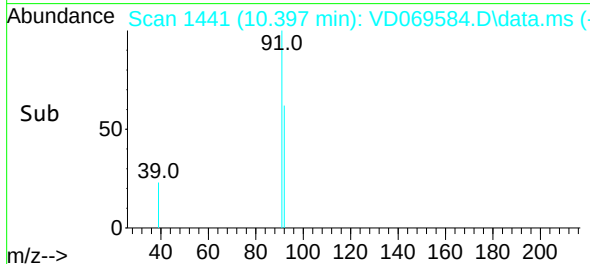
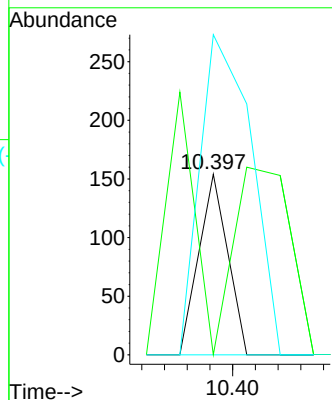
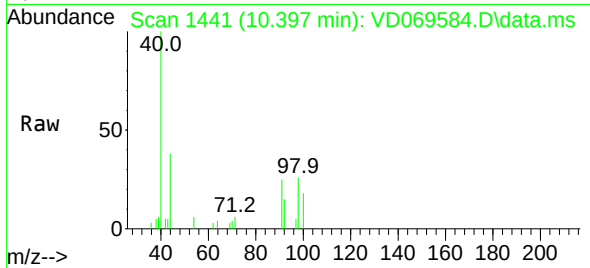




#56
Ethyl methacrylate
Concen: 2.603 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.258 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

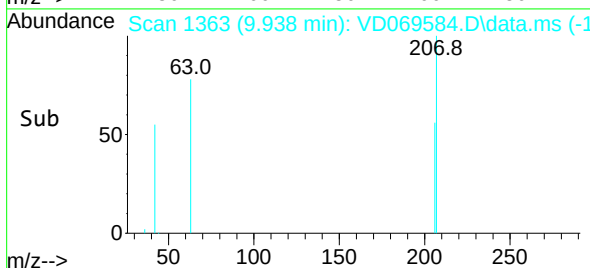
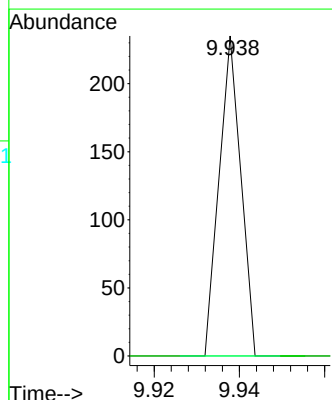
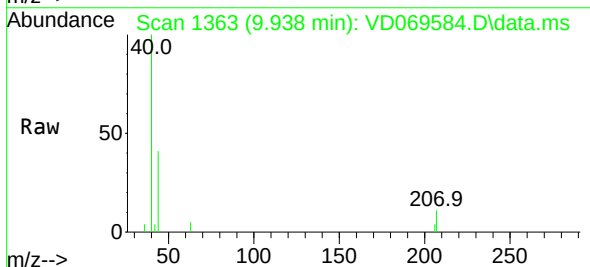
Instrument :
MSVOA_D
ClientSampleId :
TP-1

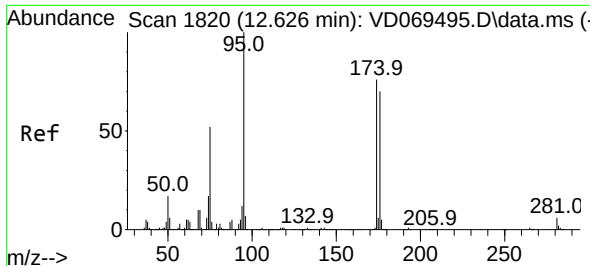
Tgt Ion:	69	Resp:	54
Ion	Ratio	Lower	Upper
69	100		
41	146.3	49.4	74.0#
39	318.5	26.9	40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.664 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion:	63	Resp:	83
Ion	Ratio	Lower	Upper
63	100		
106	0.0	22.2	33.2#

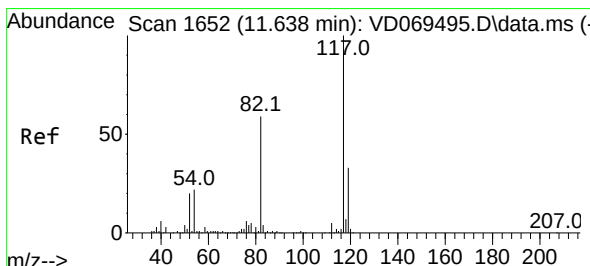
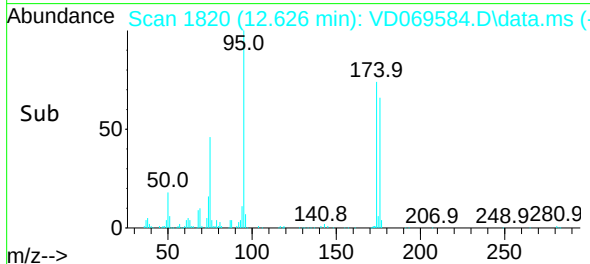
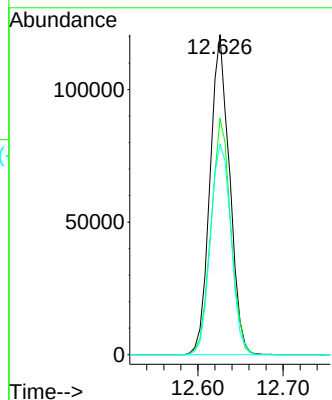
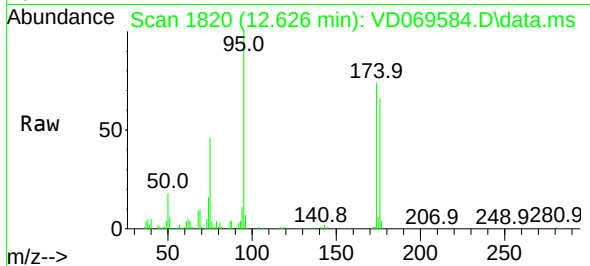




#62
4-Bromofluorobenzene
Concen: 61.136 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

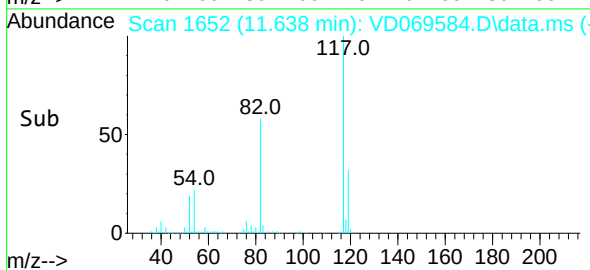
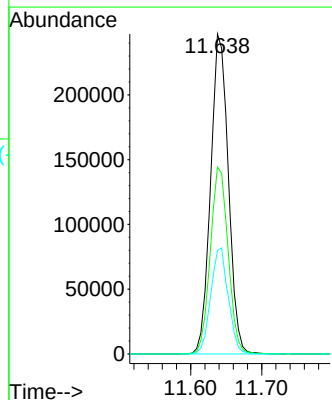
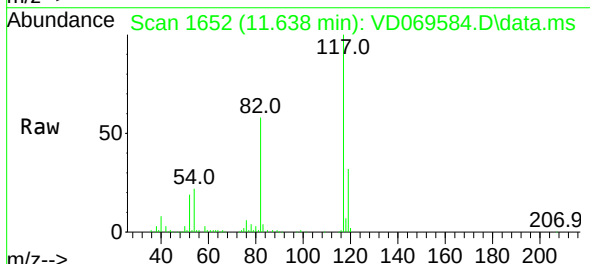
Instrument :
MSVOA_D
ClientSampled :
TP-1

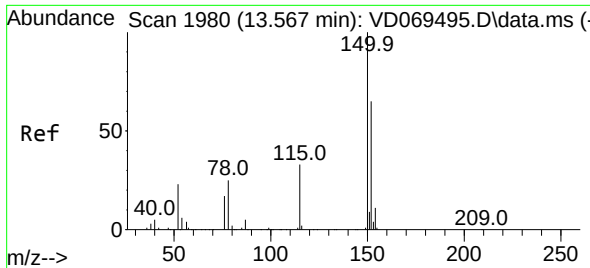
Tgt Ion: 95 Resp: 192166
Ion Ratio Lower Upper
95 100
174 74.4 0.0 148.0
176 69.3 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion: 117 Resp: 427811
Ion Ratio Lower Upper
117 100
82 58.4 46.8 70.2
119 32.3 26.2 39.2

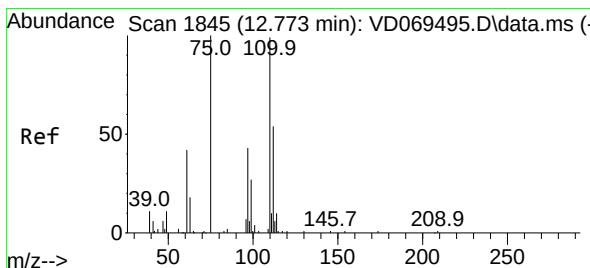
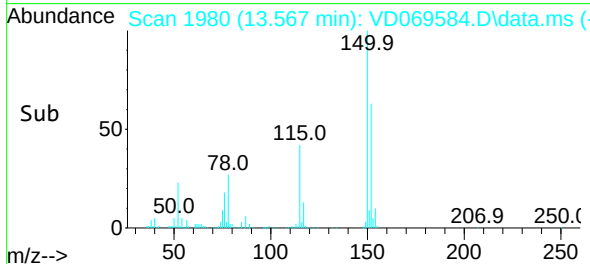
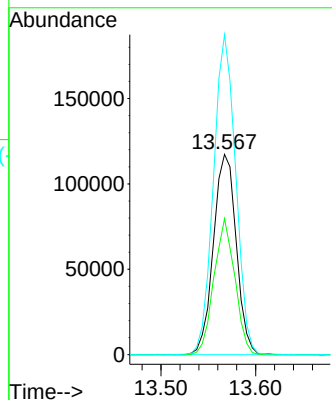
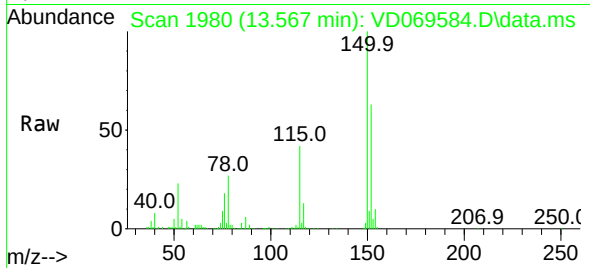




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069584.D
 Acq: 06 Jul 2021 16:15

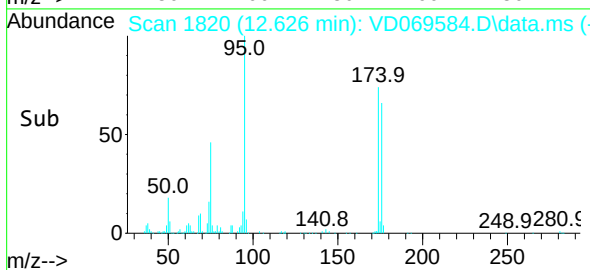
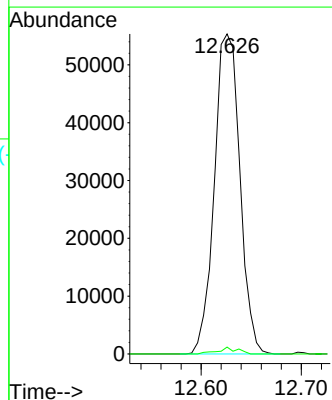
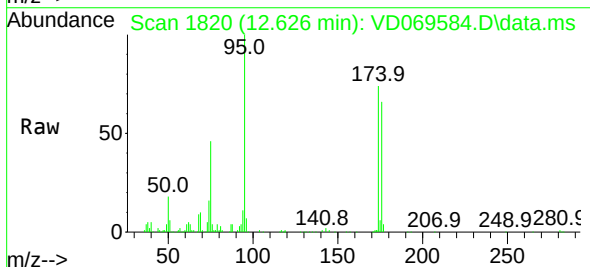
Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

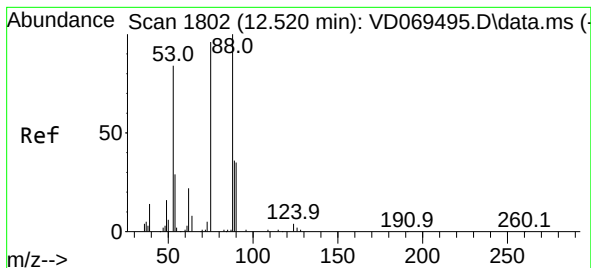
Tgt Ion:152 Resp: 197110
 Ion Ratio Lower Upper
 152 100
 115 62.1 31.7 95.1
 150 155.4 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 50.599 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069584.D
 Acq: 06 Jul 2021 16:15

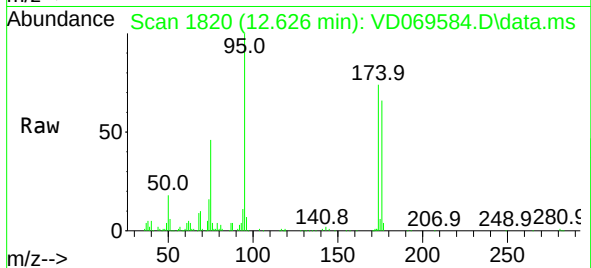
Tgt Ion: 75 Resp: 97904
 Ion Ratio Lower Upper
 75 100
 77 1.6 162.6 487.8#



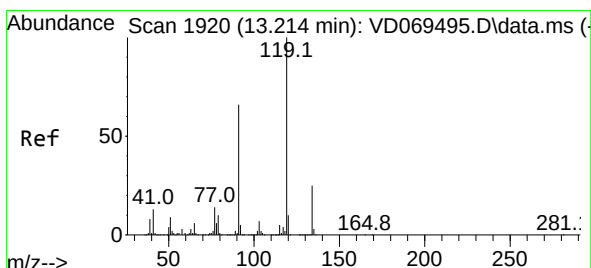
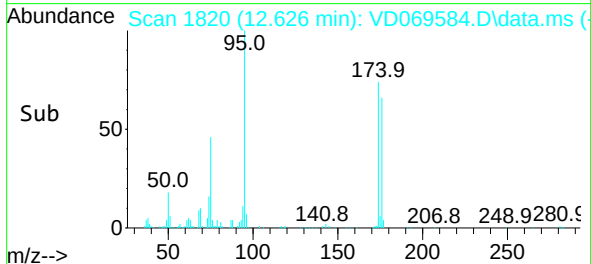
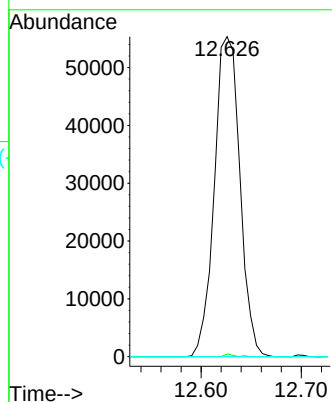


#81
trans-1,4-Dichloro-2-butene
Concen: 126.340 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :
TP-1

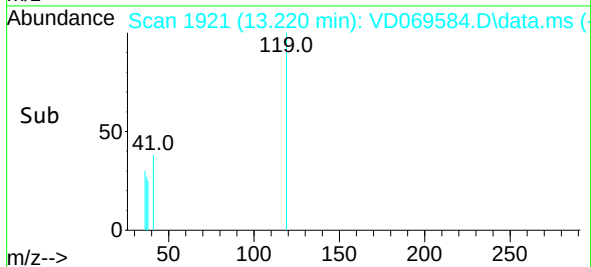
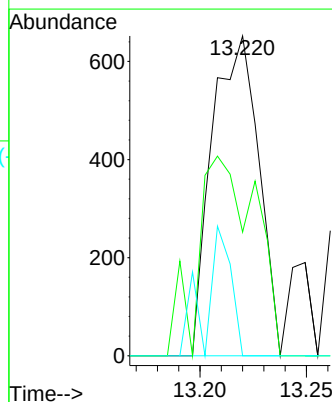
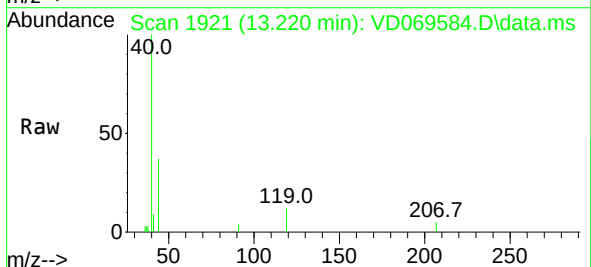


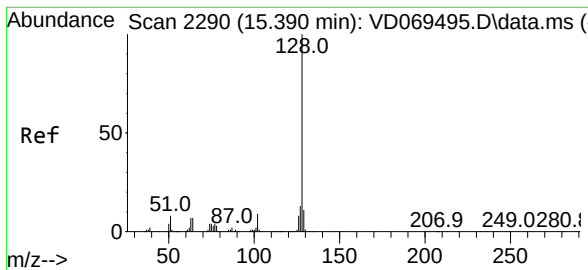
Tgt Ion: 75 Resp: 97904
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#



#83
tert-Butylbenzene
Concen: 2.085 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Tgt Ion: 119 Resp: 992
Ion Ratio Lower Upper
119 100
91 77.5 32.5 97.4
134 22.2 12.9 38.7





#95
Naphthalene
Concen: 3.799 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069584.D
Acq: 06 Jul 2021 16:15

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tgt Ion:128 Resp: 2929
Ion Ratio Lower Upper
128 100
127 15.3 10.6 16.0
129 2.0 8.7 13.1#

