

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069637.D
 Acq On : 08 Jul 2021 18:57
 Operator : VA/SY
 Sample : M2969-13
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:05:33 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)

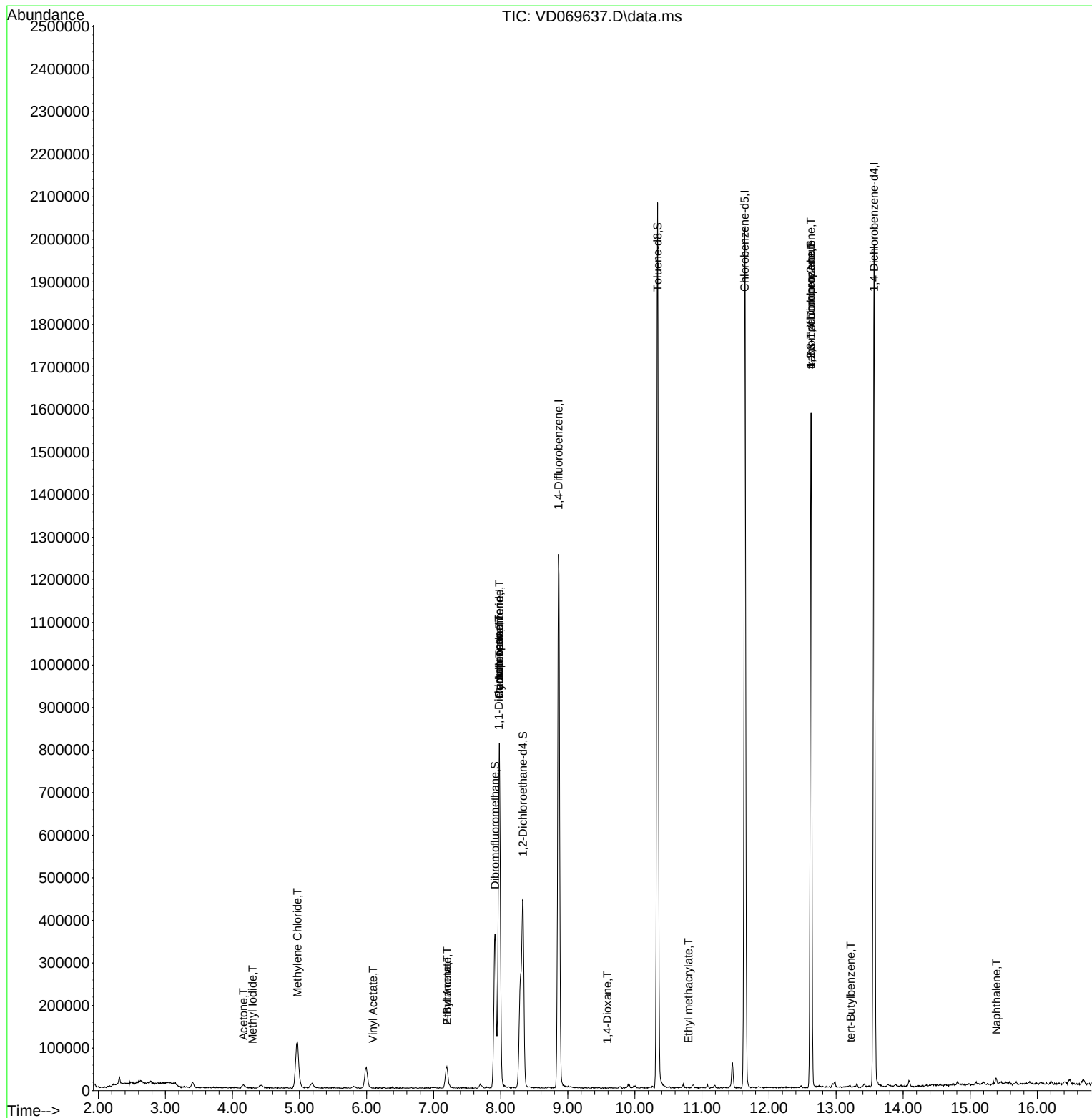
Internal Standards						
1) Pentafluorobenzene	7.979	168	555302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1086393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1161059	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	505361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	336778	48.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.914	113	272826	37.150	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	74.300%		
50) Toluene-d8	10.338	98	1404644	50.992	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.980%		
62) 4-Bromofluorobenzene	12.626	95	524894	57.961	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	115.920%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	2694	Below Cal	#	51
10) Methyl Iodide	4.303	142	371	3.999	ug/l #	57
11) Tert butyl alcohol	5.185	59	7709	Below Cal	#	83
16) Acetone	4.162	43	13064	11.213	ug/l	93
18) Methyl Acetate	4.644	43	57	Below Cal	#	49
20) Methylene Chloride	4.968	84	89921	6.586	ug/l	95
23) Vinyl Acetate	6.097	43	233	19.032	ug/l #	70
25) 2-Butanone	7.203	43	4347	2.936	ug/l	95
31) Cyclohexane	7.979	56	14520	1.558	ug/l #	5
36) 1,1-Dichloropropene	7.973	75	51500	4.830	ug/l #	50
37) Ethyl Acetate	7.203	43	4347	1.099	ug/l #	67
38) Carbon Tetrachloride	7.979	117	61049	5.785	ug/l #	19
49) 1,4-Dioxane	9.591	88	68	1.670	ug/l #	11
56) Ethyl methacrylate	10.797	69	101	2.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	261452	52.704	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	261452	131.595	ug/l #	13
83) tert-Butylbenzene	13.220	119	221	2.000	ug/l #	54
95) Naphthalene	15.390	128	12200	4.077	ug/l	97

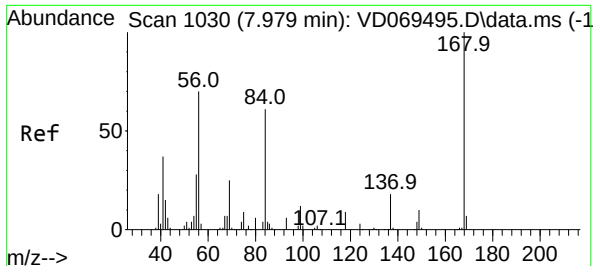
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

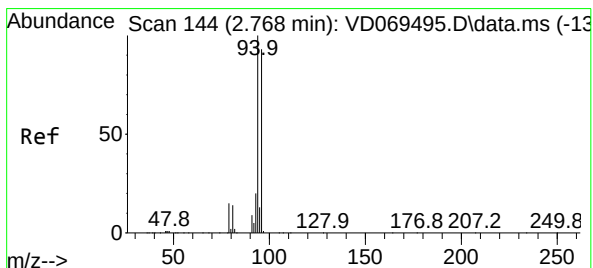
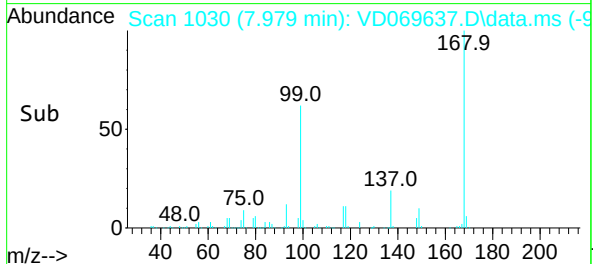
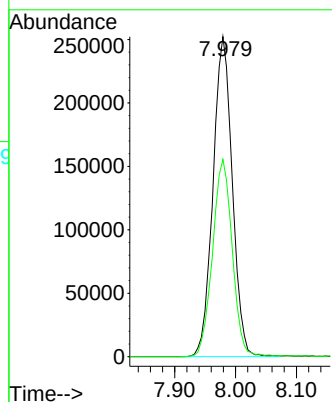
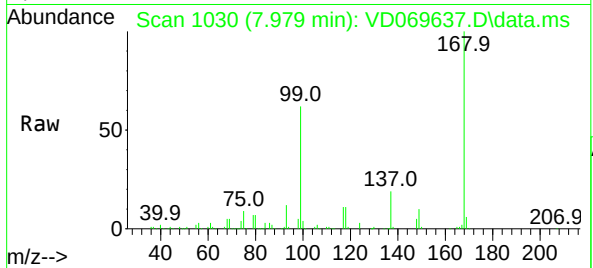




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

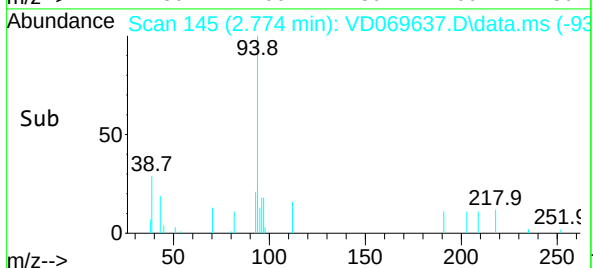
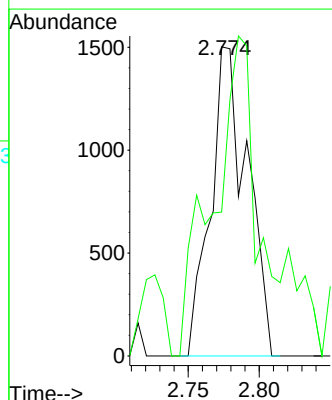
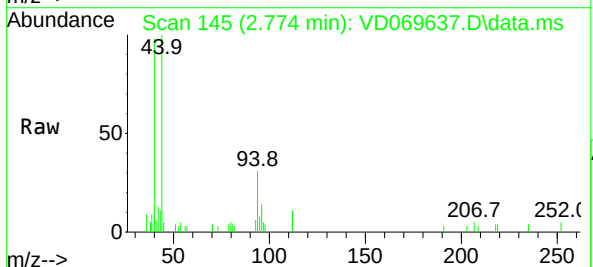
Instrument :
MSVOA_D
ClientSampleId :

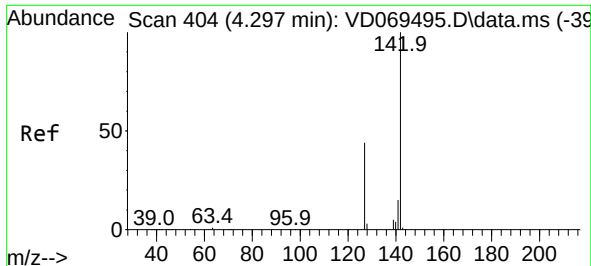
Tgt Ion:168 Resp: 555302
Ion Ratio Lower Upper
168 100
99 61.7 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

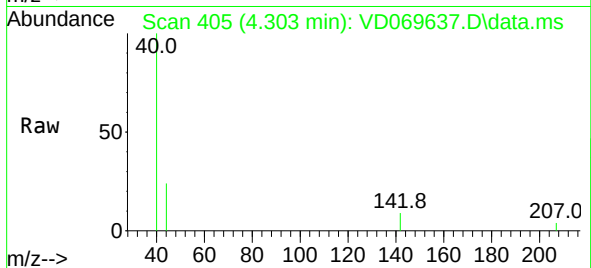
Tgt Ion: 94 Resp: 2694
Ion Ratio Lower Upper
94 100
96 46.5 74.6 111.8#



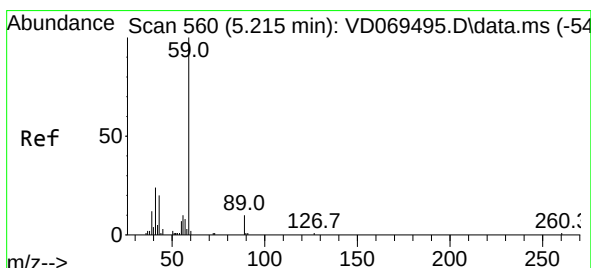
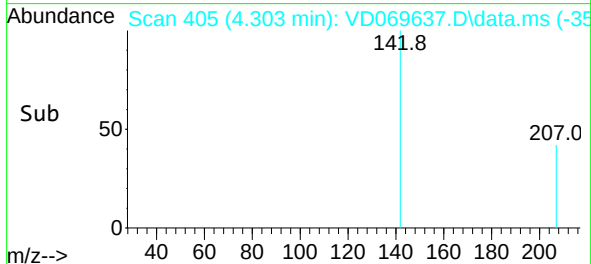
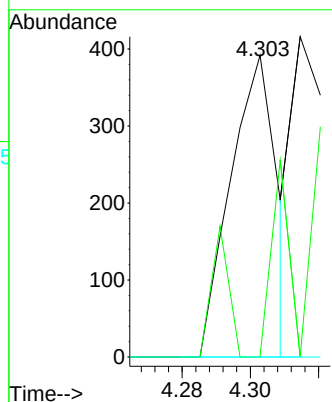


#10
Methyl Iodide
Concen: 3.999 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Instrument :
MSVOA_D
ClientSampled :

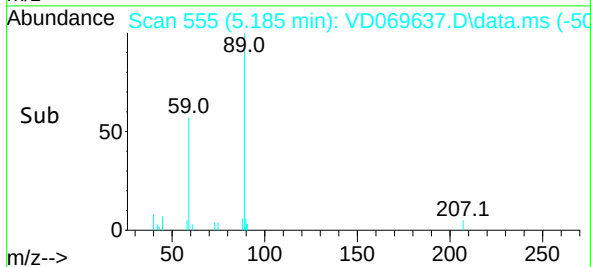
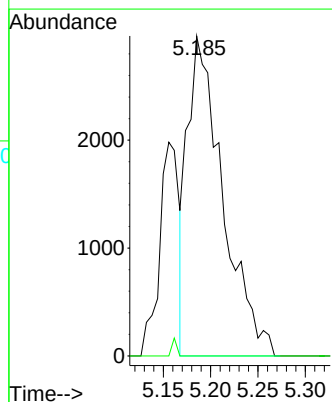
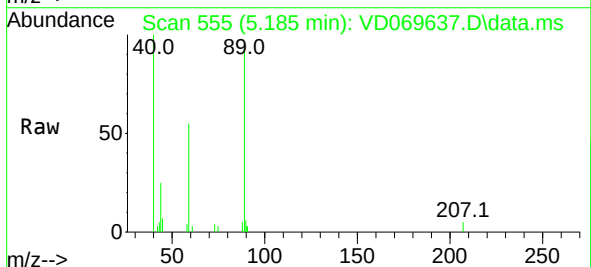


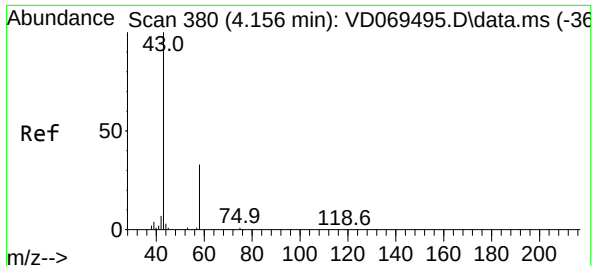
Tgt Ion:142 Resp: 371
Ion Ratio Lower Upper
142 100
127 16.2 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion: 59 Resp: 7709
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

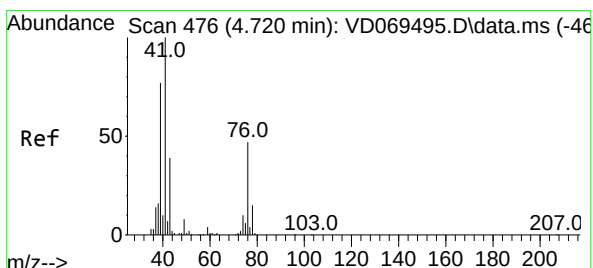
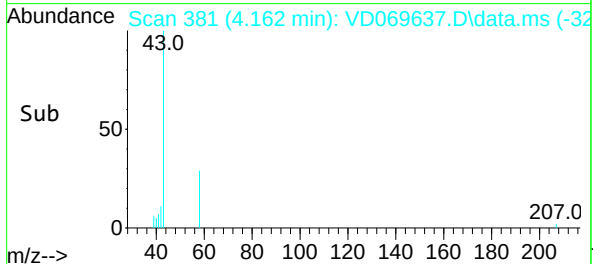
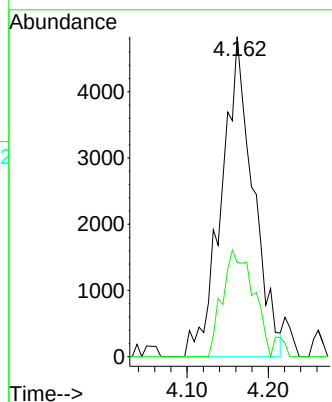
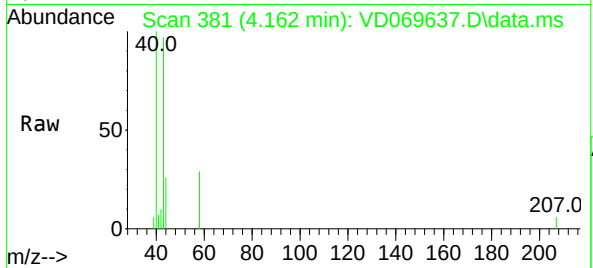




#16
Acetone
Concen: 11.213 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

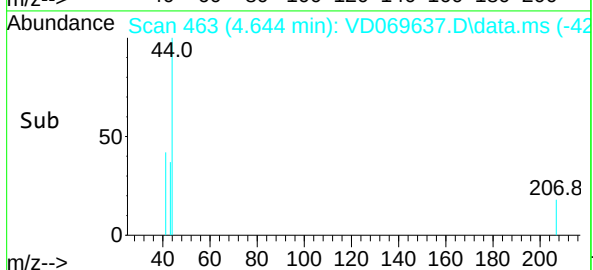
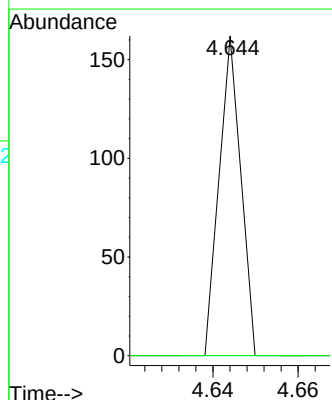
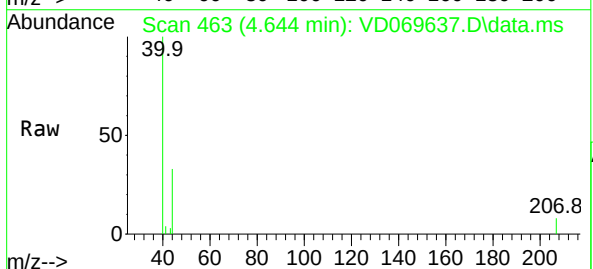
Instrument :
MSVOA_D
ClientSampleId :

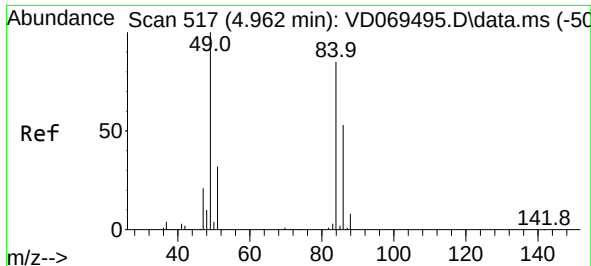
Tgt Ion: 43 Resp: 13064
Ion Ratio Lower Upper
43 100
58 29.4 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.644 min Scan# 463
Delta R.T. -0.076 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

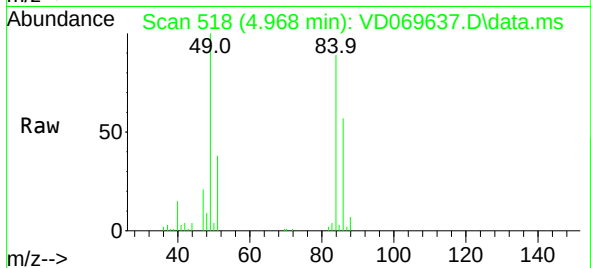
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



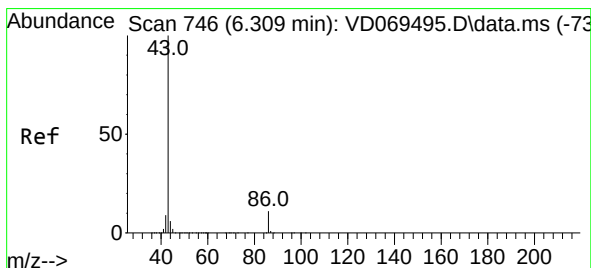
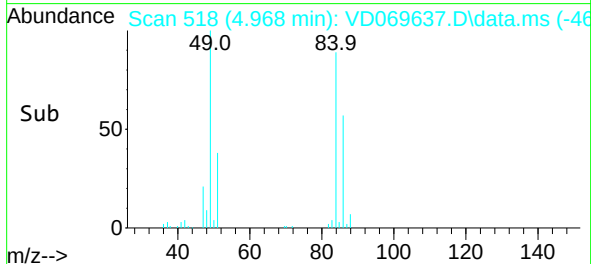
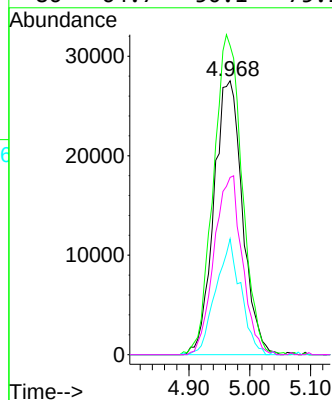


#20
Methylene Chloride
Concen: 6.586 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Instrument :
MSVOA_D
ClientSampled :

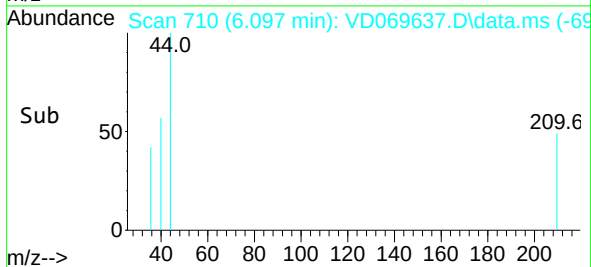
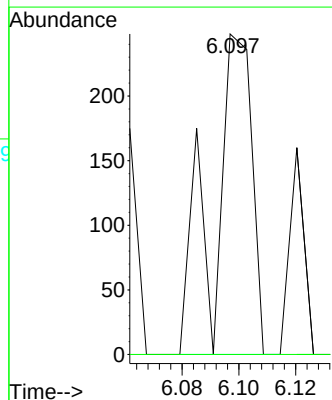
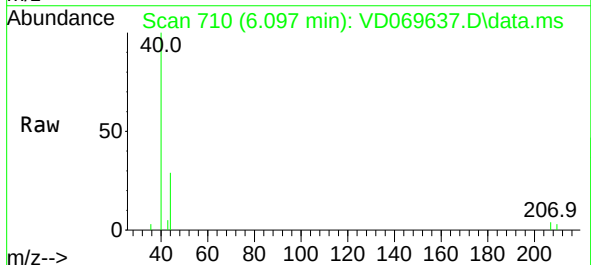


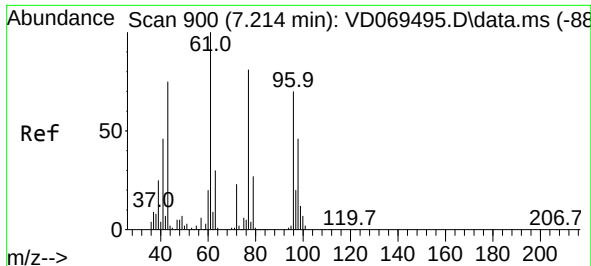
Tgt Ion: 84	Resp: 89921
Ion Ratio	Lower Upper
84 100	
49 112.8	94.0 141.0
51 42.3	29.7 44.5
86 64.7	50.1 75.1



#23
Vinyl Acetate
Concen: 19.032 ug/l
RT: 6.097 min Scan# 710
Delta R.T. -0.212 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion: 43	Resp: 233		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	9.1	13.7#	

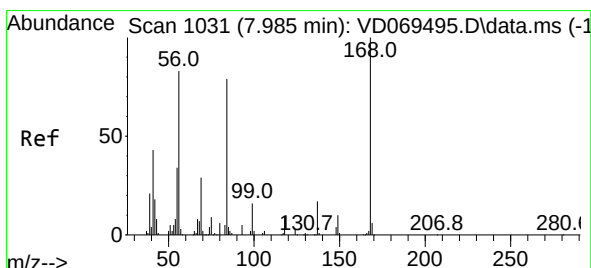
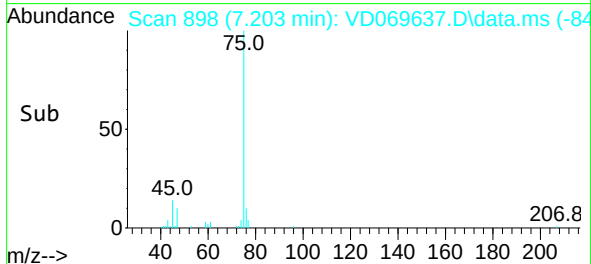
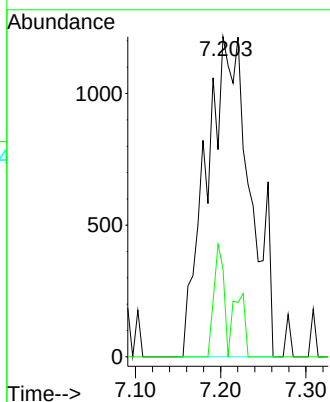
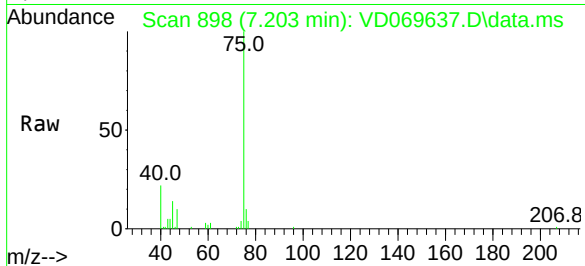




#25
2-Butanone
Concen: 2.936 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

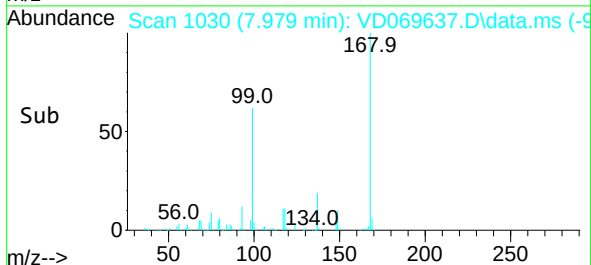
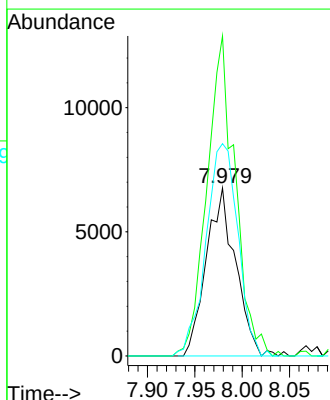
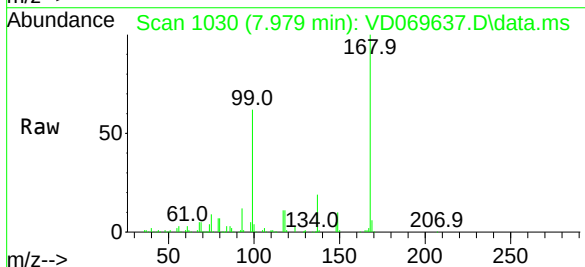
Instrument :
MSVOA_D
ClientSampled :

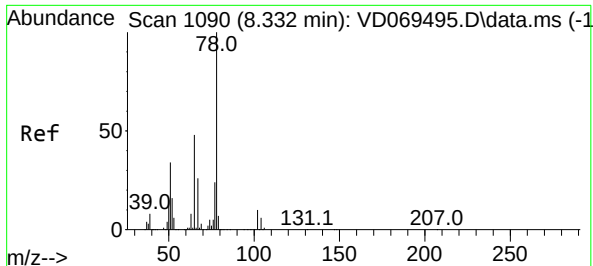
Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
72 27.5 24.3 36.5



#31
Cyclohexane
Concen: 1.558 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion: 56 Resp: 14520
Ion Ratio Lower Upper
56 100
69 187.8 28.0 42.0#
84 126.4 75.7 113.5#

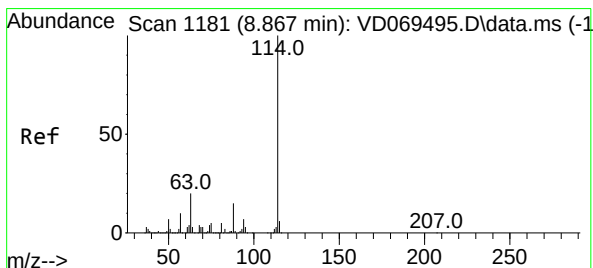
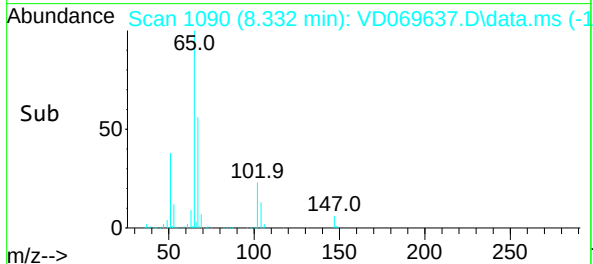
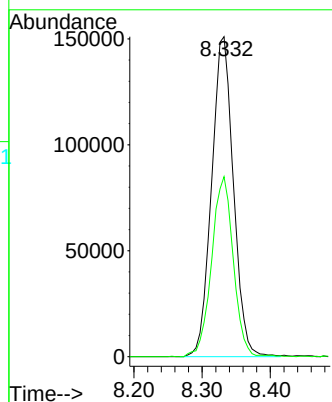
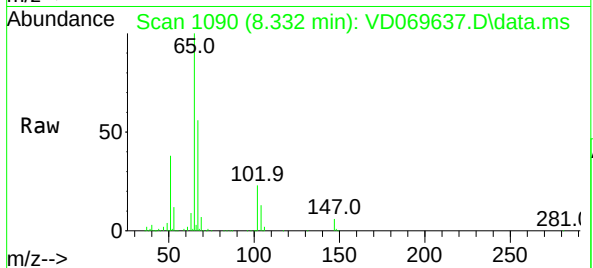




#33
 1,2-Dichloroethane-d4
 Concen: 48.655 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. 0.000 min
 Lab File: VD069637.D
 Acq: 08 Jul 2021 18:57

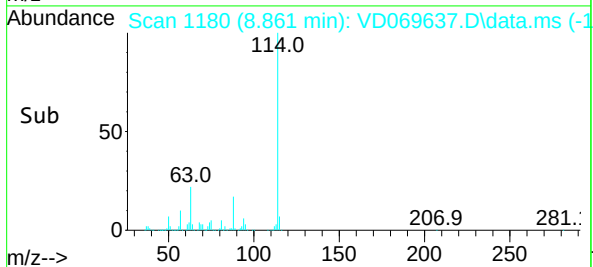
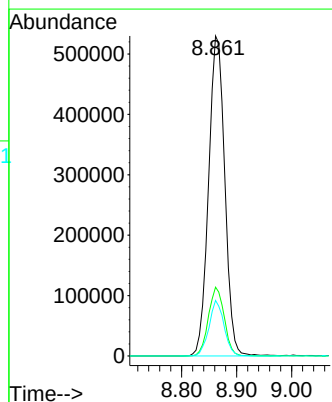
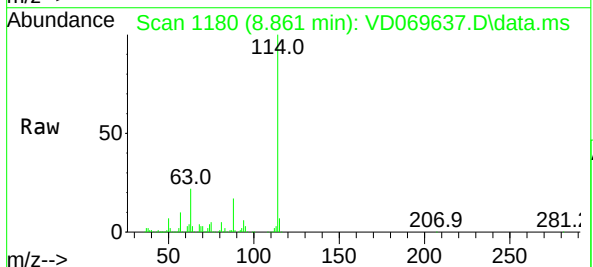
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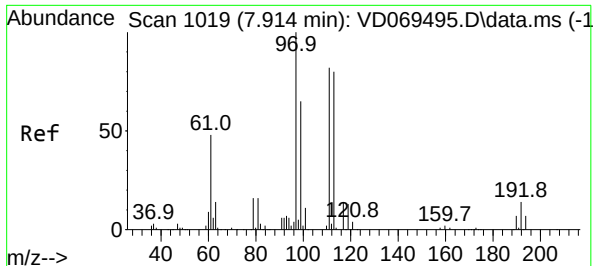
Tgt Ion: 65 Resp: 336778
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069637.D
 Acq: 08 Jul 2021 18:57

Tgt Ion: 114 Resp: 1086393
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.6
 88 17.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 37.150 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069637.D

Acq: 08 Jul 2021 18:57

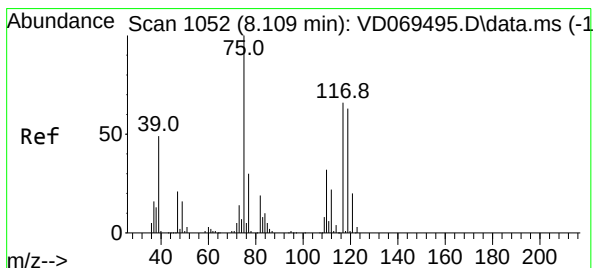
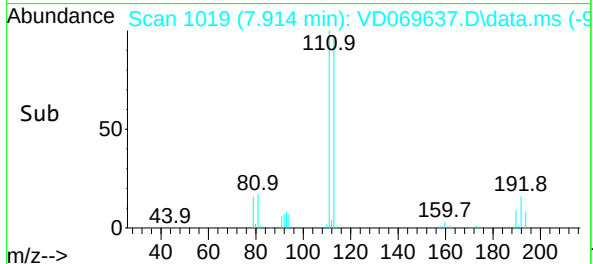
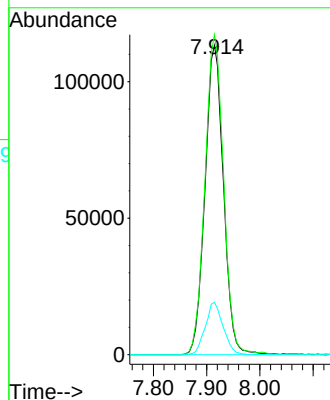
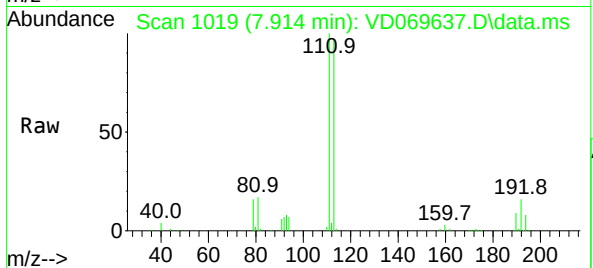
Tgt Ion:113 Resp: 272826

Ion Ratio Lower Upper

113 100

111 104.4 81.8 122.8

192 16.4 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.830 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069637.D

Acq: 08 Jul 2021 18:57

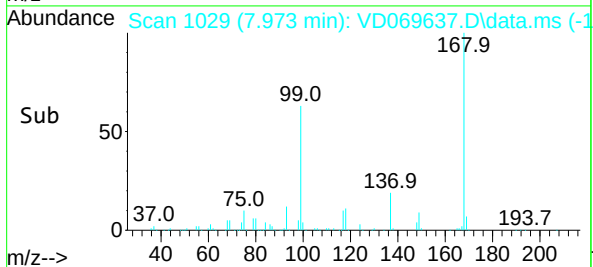
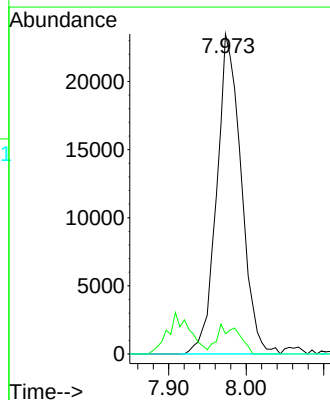
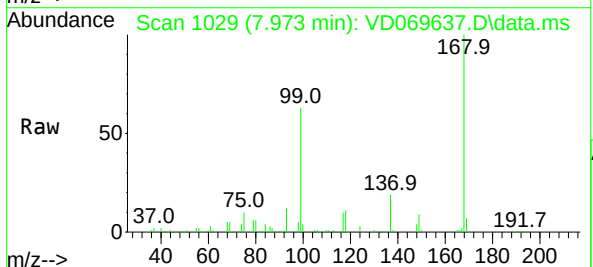
Tgt Ion: 75 Resp: 51500

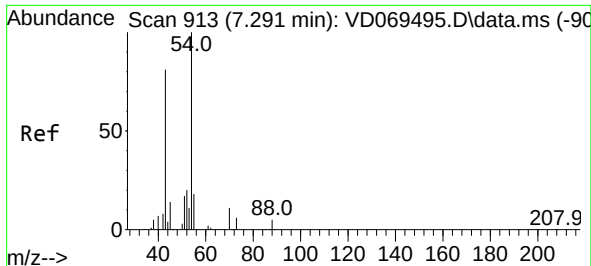
Ion Ratio Lower Upper

75 100

110 8.2 16.8 50.4#

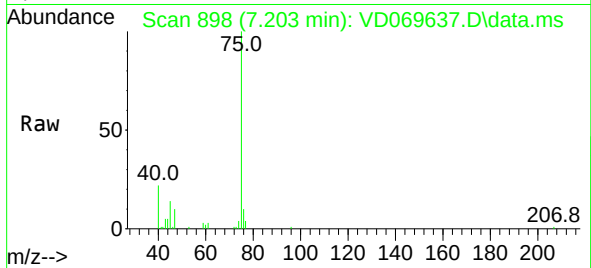
77 0.0 24.3 36.5#



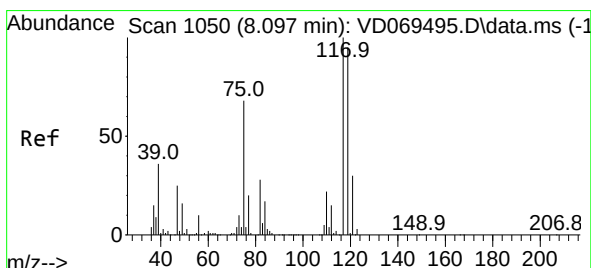
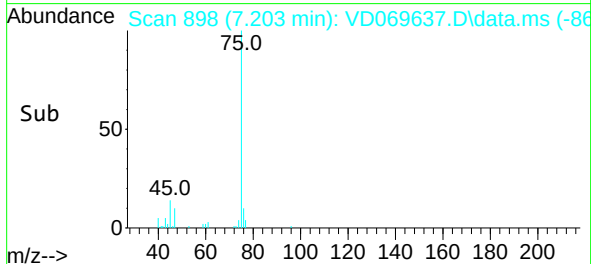
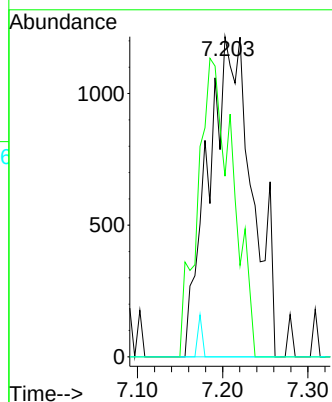


#37
Ethyl Acetate
Concen: 1.099 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.088 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :

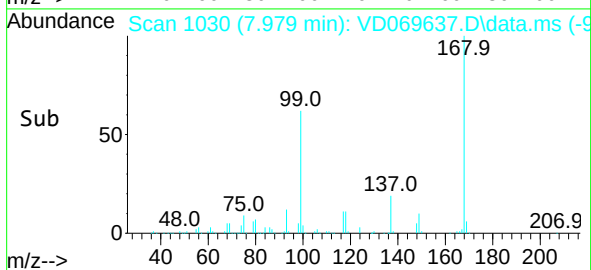
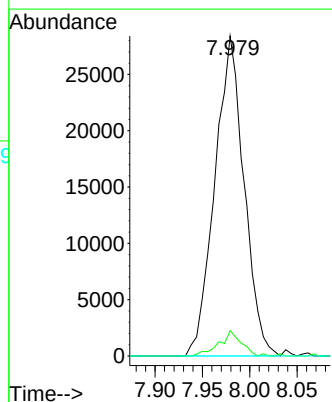
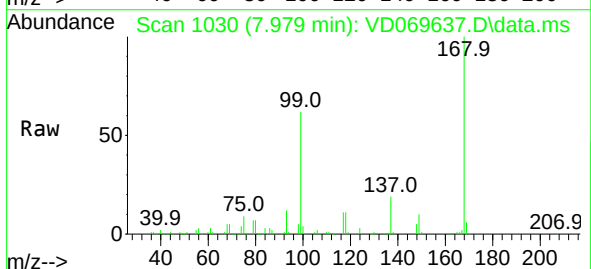


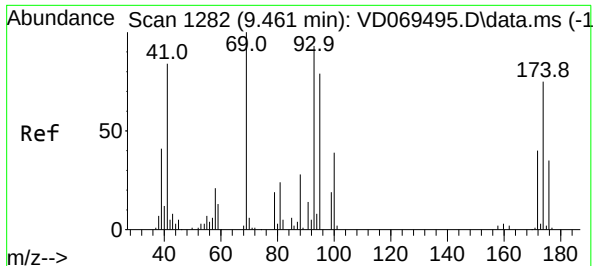
Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion: 117 Resp: 61049
Ion Ratio Lower Upper
117 100
119 7.9 75.6 113.4#
121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 1.670 ug/l

RT: 9.591 min Scan# 1304

Delta R.T. 0.129 min

Lab File: VD069637.D

Acq: 08 Jul 2021 18:57

Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

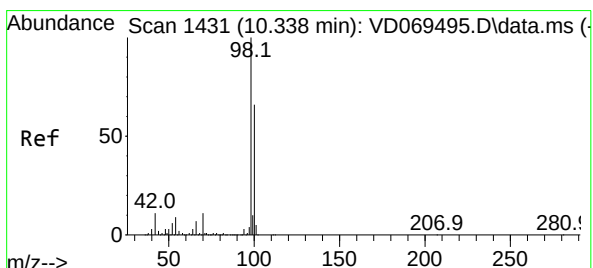
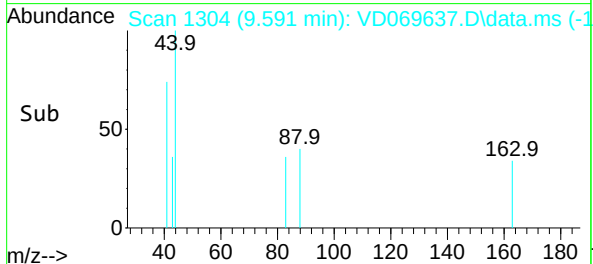
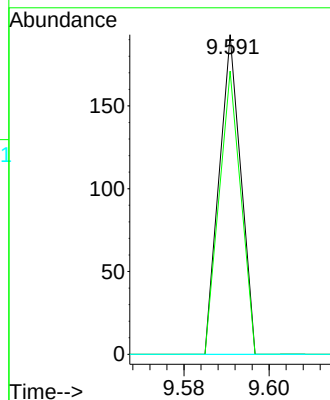
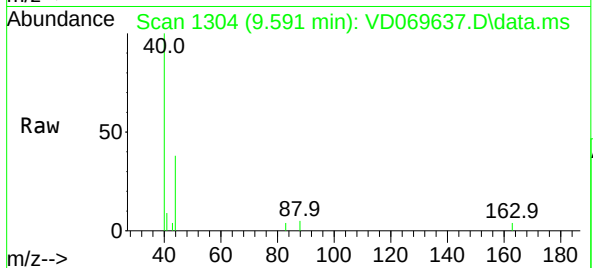
43 88.2 26.5 39.7#

58 0.0 56.0 84.0#

Instrument :

MSVOA_D

ClientSampleId :



#50

Toluene-d8

Concen: 50.992 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD069637.D

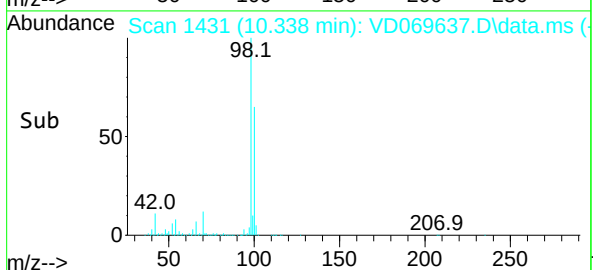
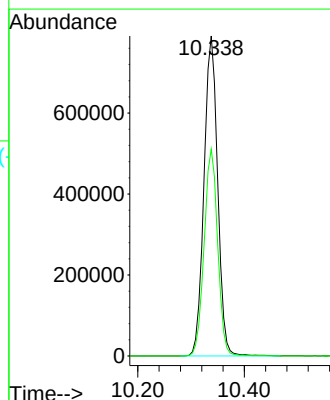
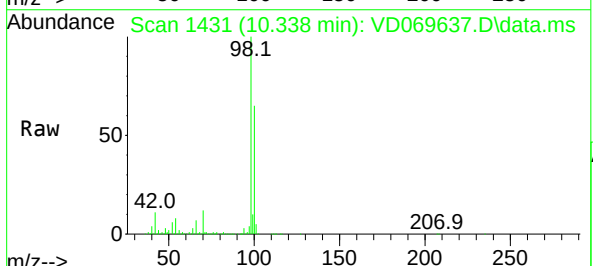
Acq: 08 Jul 2021 18:57

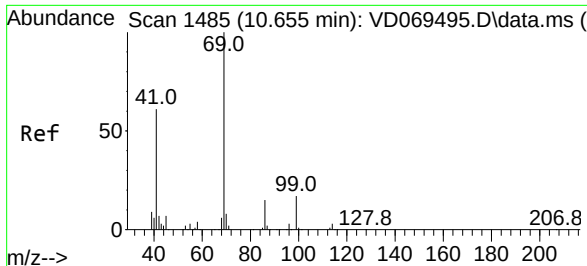
Tgt Ion: 98 Resp: 1404644

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5

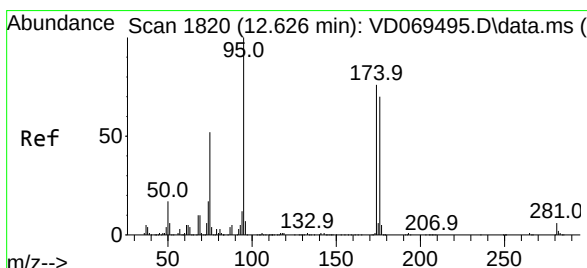
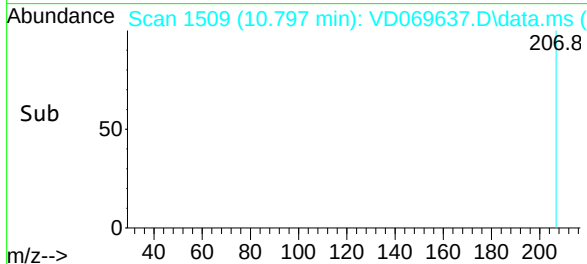
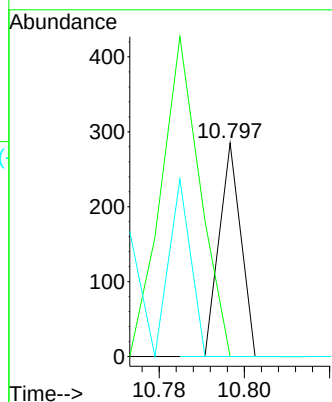
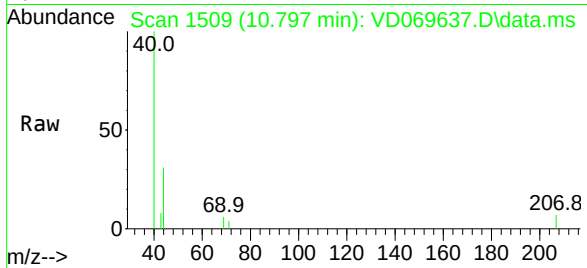




#56
Ethyl methacrylate
Concen: 2.595 ug/l
RT: 10.797 min Scan# 1509
Delta R.T. 0.142 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

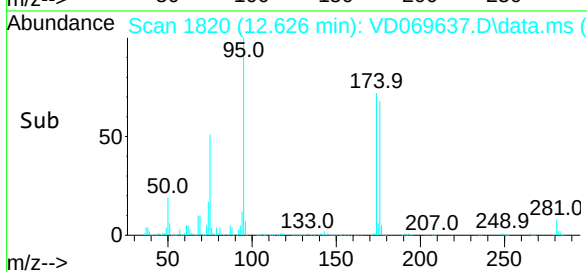
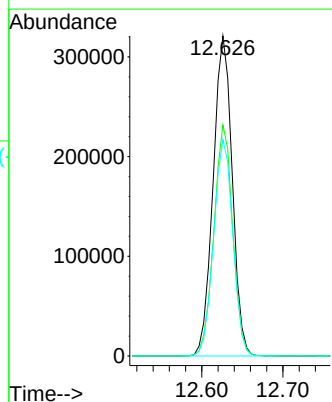
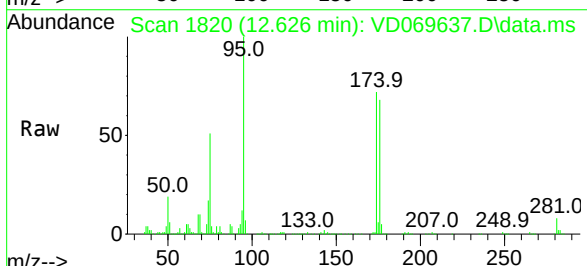
Instrument :
MSVOA_D
ClientSampleId :

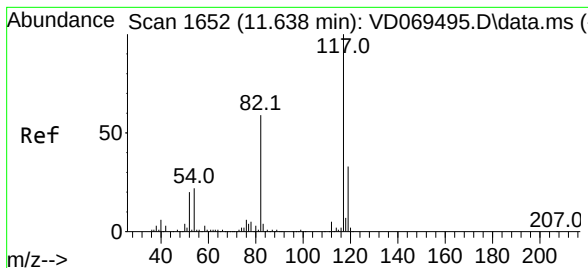
Tgt Ion: 69	Resp: 101
Ion Ratio	Lower Upper
69 100	
41 268.3	49.4 74.0#
39 0.0	26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 57.961 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

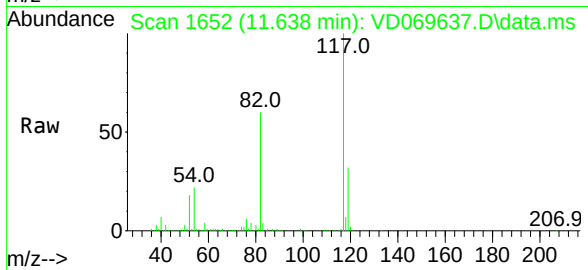
Tgt Ion: 95	Resp: 524894
Ion Ratio	Lower Upper
95 100	
174 71.4	0.0 148.0
176 67.9	0.0 139.8





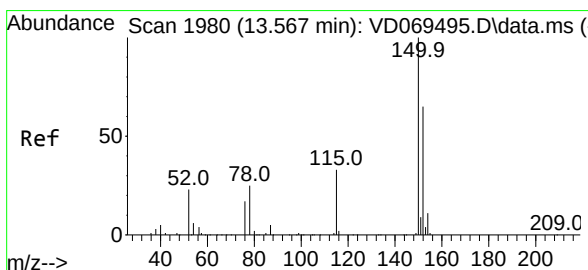
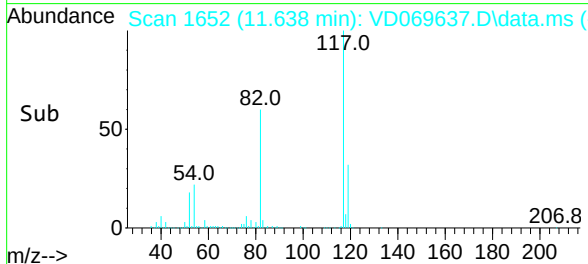
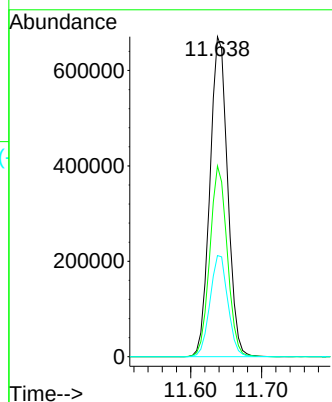
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:117 Resp: 1161059

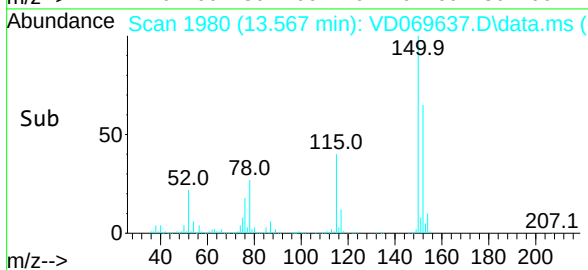
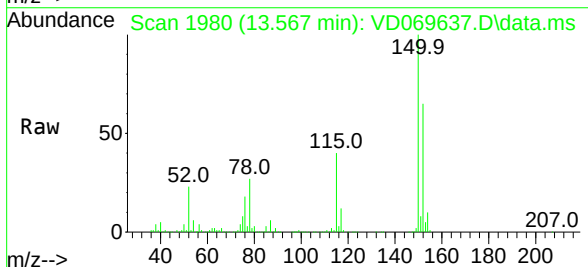
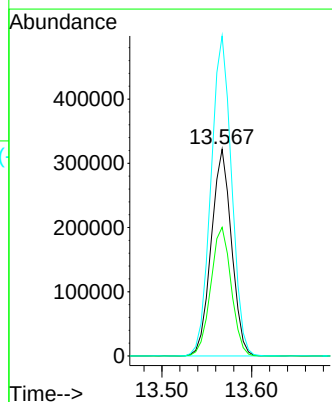
Ion	Ratio	Lower	Upper
117	100		
82	59.6	46.8	70.2
119	31.6	26.2	39.2

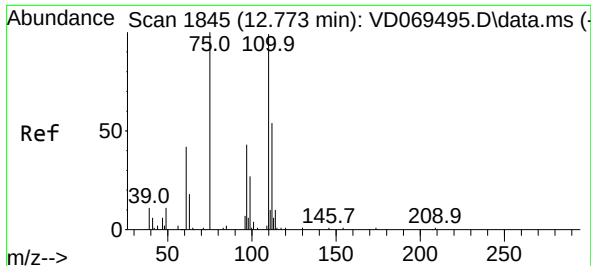


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion:152 Resp: 505361

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.7	95.1
150	157.3	0.0	350.8

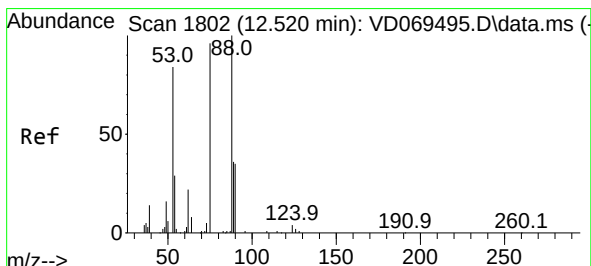
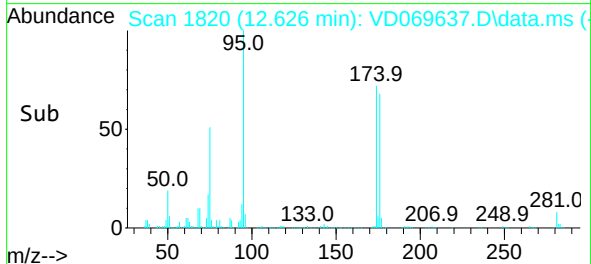
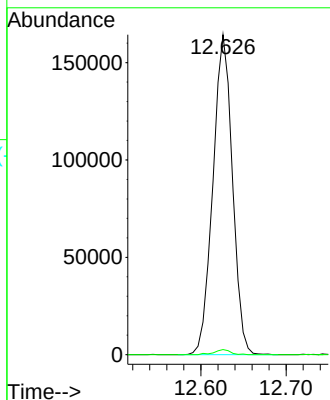
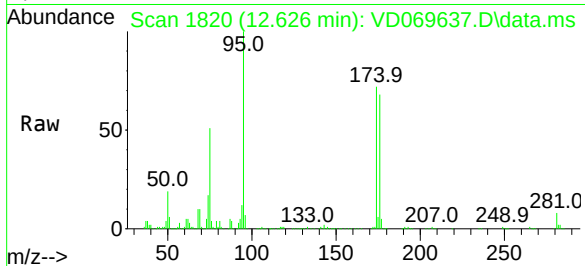




#76
1,2,3-Trichloropropane
Concen: 52.704 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

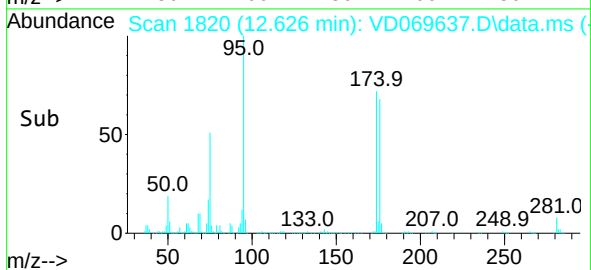
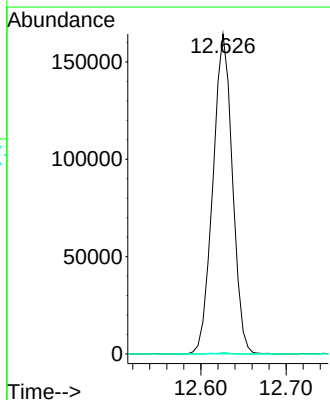
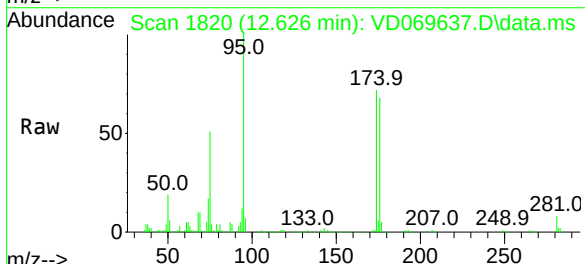
Instrument :
MSVOA_D
ClientSampleId :

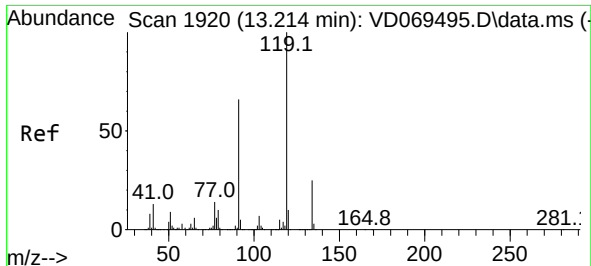
Tgt Ion: 75 Resp: 261452
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.595 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion: 75 Resp: 261452
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.3 35.3 52.9#

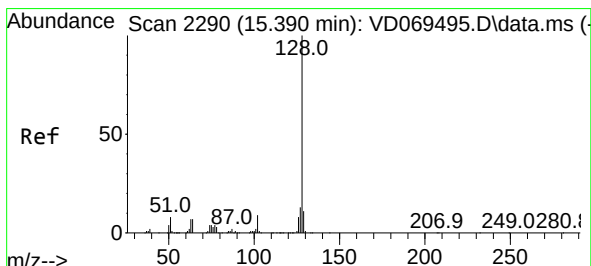
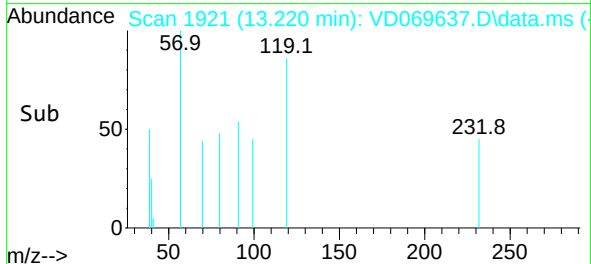
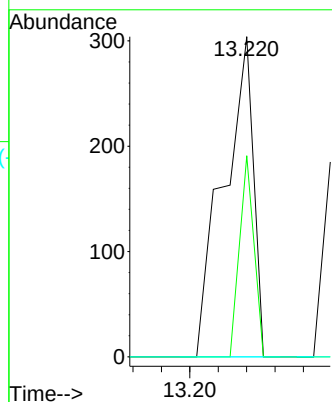
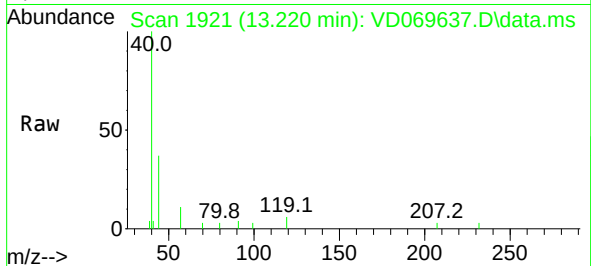




#83
tert-Butylbenzene
Concen: 2.000 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119	Resp:	221
Ion Ratio	Lower	Upper
119	100	
91	30.3	32.5 97.4#
134	0.0	12.9 38.7#



#95
Naphthalene
Concen: 4.077 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069637.D
Acq: 08 Jul 2021 18:57

Tgt Ion:128	Resp:	12200
Ion Ratio	Lower	Upper
128	100	
127	14.1	10.6 16.0
129	9.7	8.7 13.1

