

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069633.D
 Acq On : 08 Jul 2021 17:03
 Operator : VA/SY
 Sample : M2969-09
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:04:25 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)

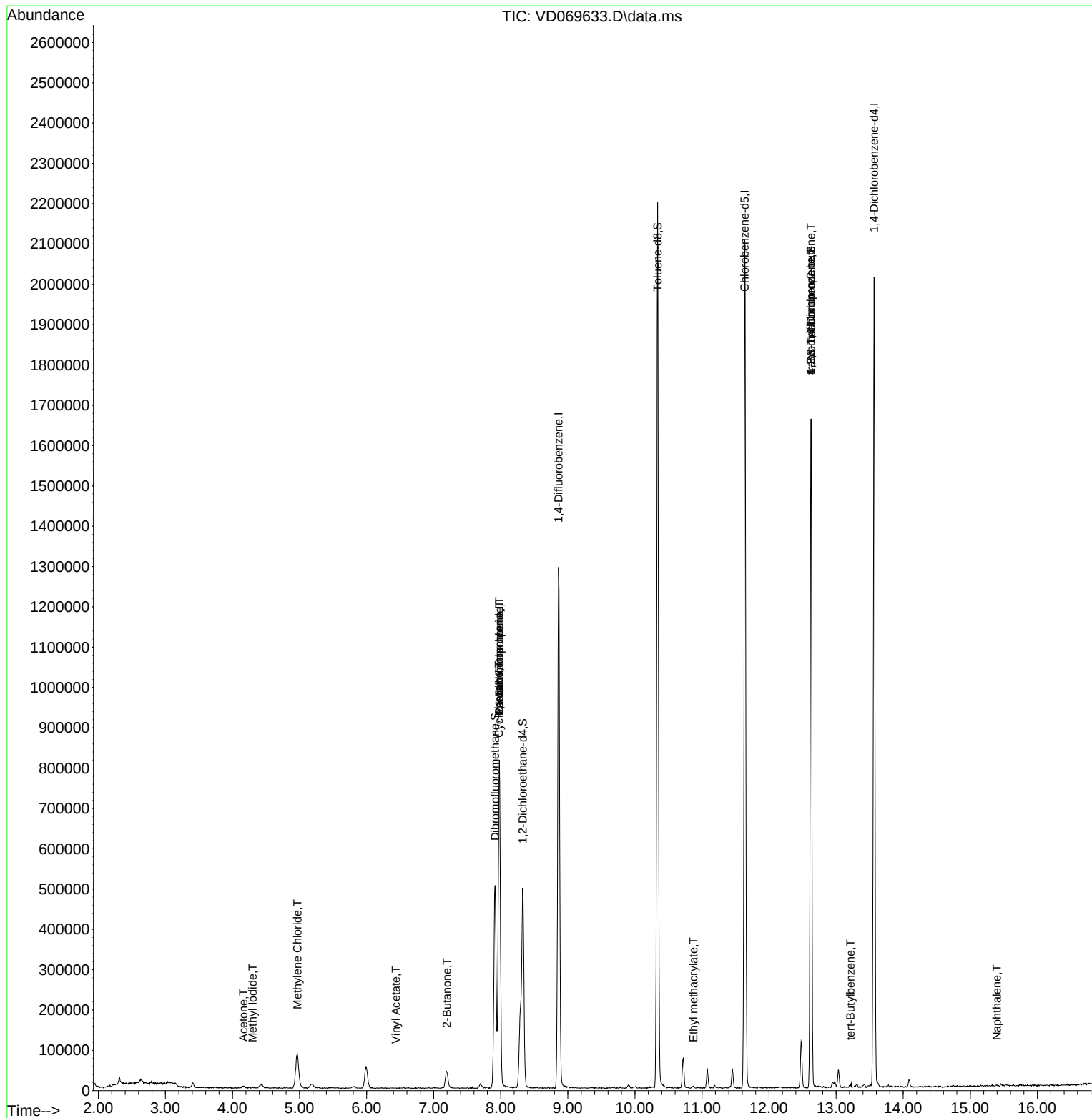
Internal Standards						
1) Pentafluorobenzene	7.979	168	556545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1099437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1202263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	510882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	375458	54.122	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.240%			
35) Dibromofluoromethane	7.914	113	372420	50.110	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.338	98	1448065	51.945	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.900%			
62) 4-Bromofluorobenzene	12.626	95	561125	61.227	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.460%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1902	Below Cal	#	79
10) Methyl Iodide	4.303	142	548	4.027	ug/l #	53
11) Tert butyl alcohol	5.191	59	10390	Below Cal	#	83
16) Acetone	4.161	43	8439	7.227	ug/l #	81
18) Methyl Acetate	4.738	43	66	Below Cal	#	49
20) Methylene Chloride	4.967	84	67566	3.107	ug/l	97
23) Vinyl Acetate	6.438	43	156	19.025	ug/l #	70
25) 2-Butanone	7.197	43	2647	1.784	ug/l #	44
31) Cyclohexane	7.973	56	13667	1.463	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	52743	4.888	ug/l #	50
38) Carbon Tetrachloride	7.979	117	59629	5.584	ug/l #	16
56) Ethyl methacrylate	10.873	69	114	2.597	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	281295	56.091	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	281295	140.052	ug/l #	12
83) tert-Butylbenzene	13.214	119	510	2.011	ug/l #	51
95) Naphthalene	15.396	128	536	3.386	ug/l #	69

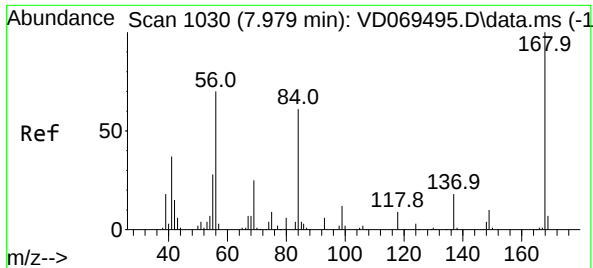
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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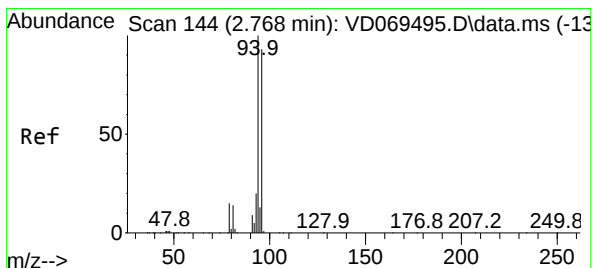
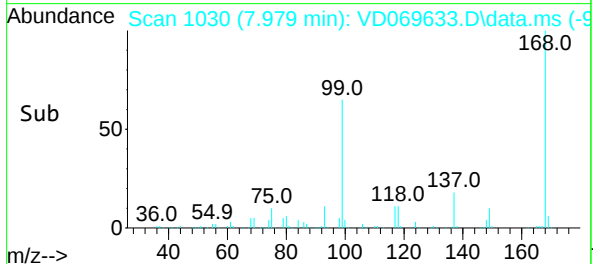
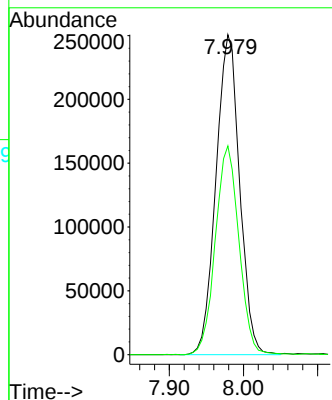
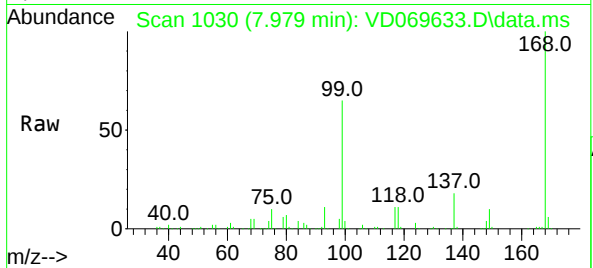




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

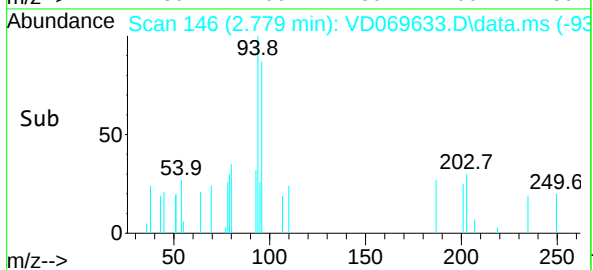
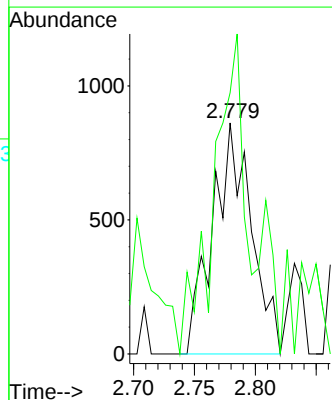
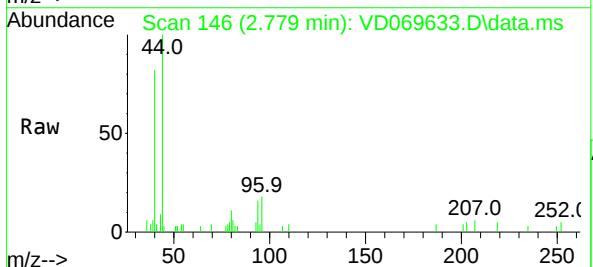
Instrument :
MSVOA_D
ClientSampleId :

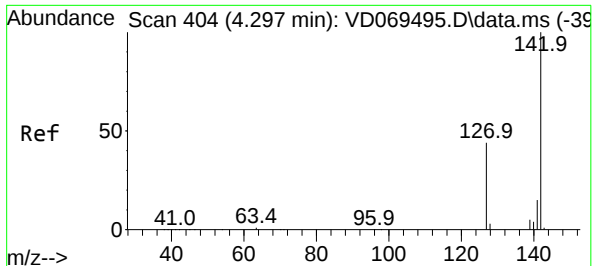
Tgt Ion:168 Resp: 556545
Ion Ratio Lower Upper
168 100
99 65.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

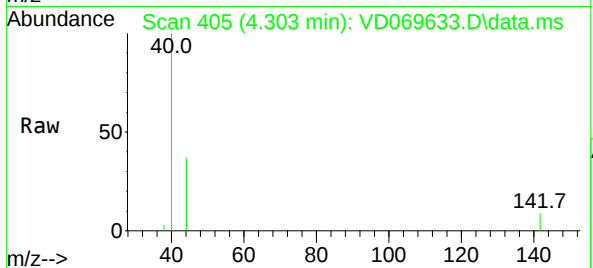
Tgt Ion: 94 Resp: 1902
Ion Ratio Lower Upper
94 100
96 113.1 74.6 111.8#



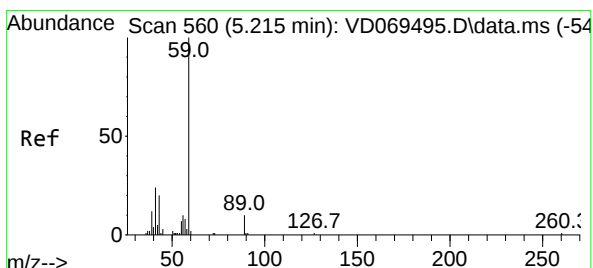
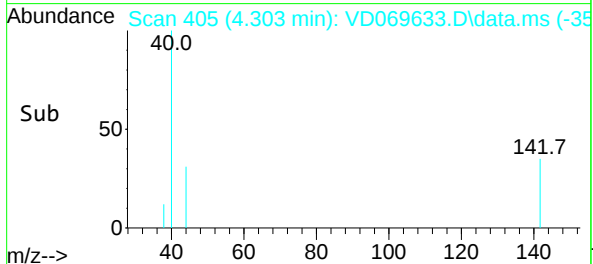
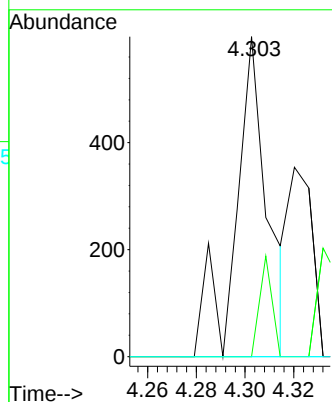


#10
Methyl Iodide
Concen: 4.027 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Instrument :
MSVOA_D
ClientSampled :

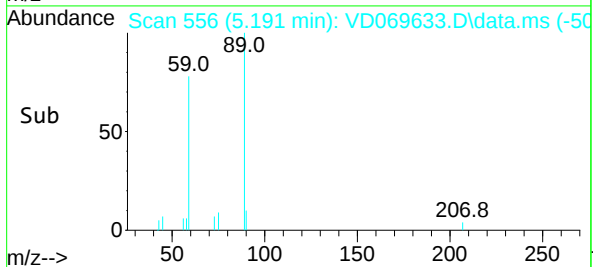
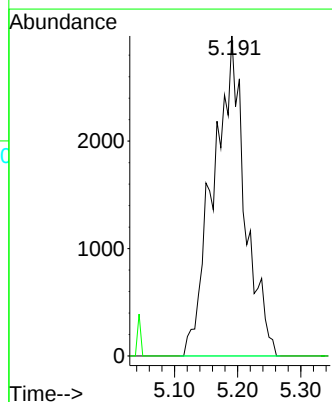
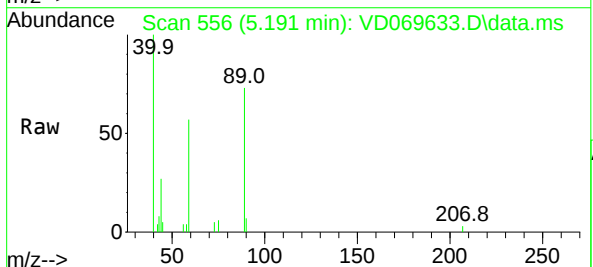


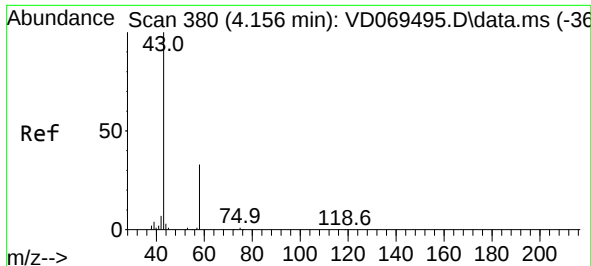
Tgt Ion:142 Resp: 548
Ion Ratio Lower Upper
142 100
127 12.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 59 Resp: 10390
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

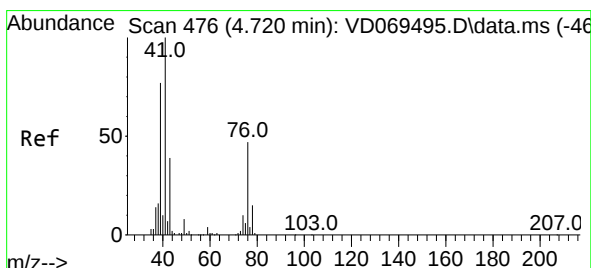
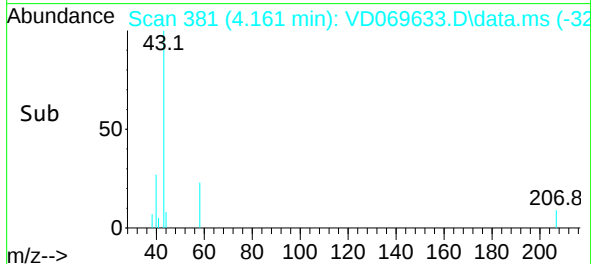
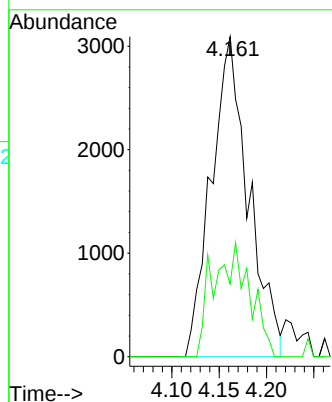
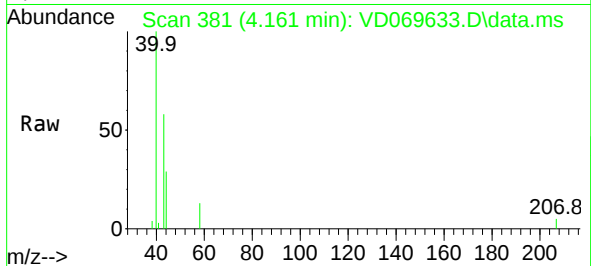




#16
Acetone
Concen: 7.227 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

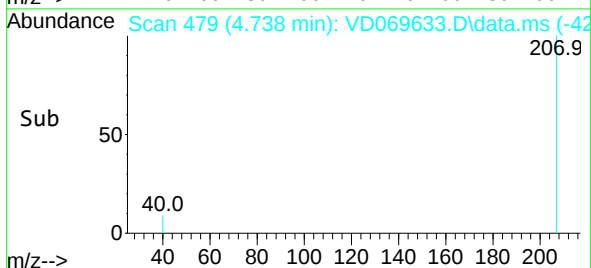
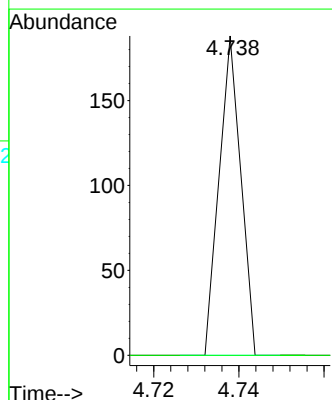
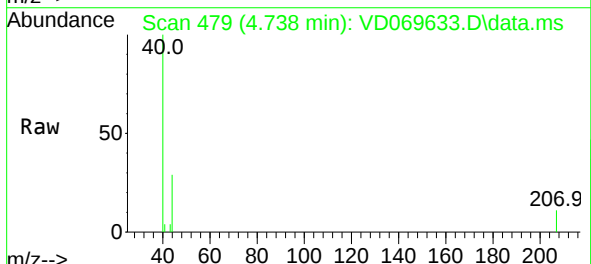
Instrument :
MSVOA_D
ClientSampleId :

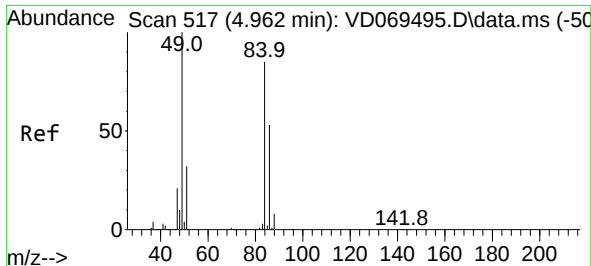
Tgt Ion: 43 Resp: 8439
Ion Ratio Lower Upper
43 100
58 22.7 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.018 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 3.107 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD069633.D

Acq: 08 Jul 2021 17:03

Tgt Ion: 84 Resp: 67566

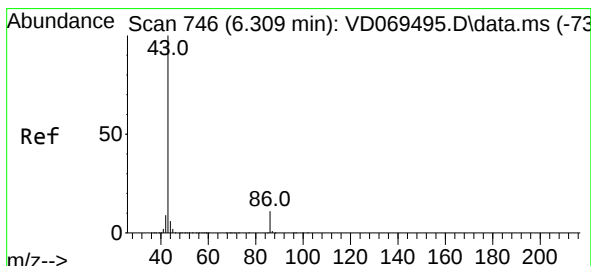
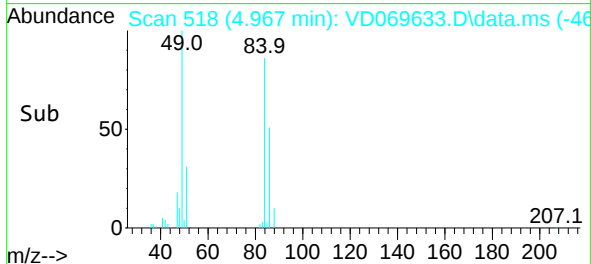
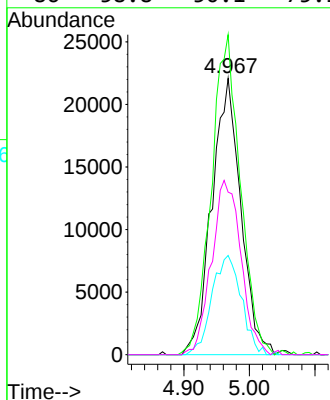
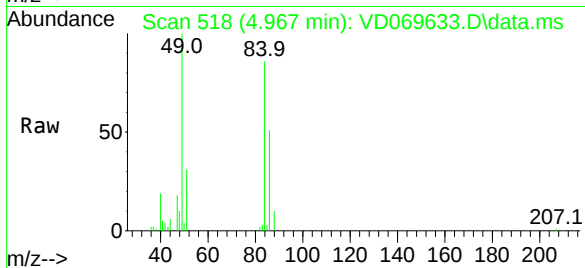
Ion Ratio Lower Upper

84 100

49 115.8 94.0 141.0

51 35.9 29.7 44.5

86 58.8 50.1 75.1



#23

Vinyl Acetate

Concen: 19.025 ug/l

RT: 6.438 min Scan# 768

Delta R.T. 0.129 min

Lab File: VD069633.D

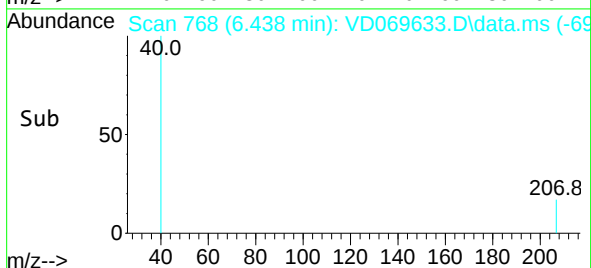
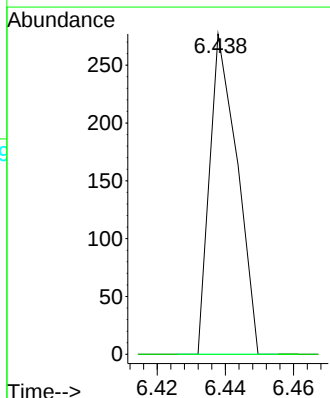
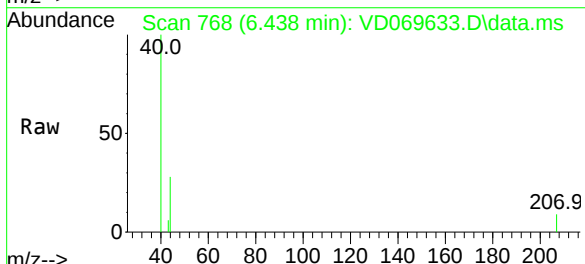
Acq: 08 Jul 2021 17:03

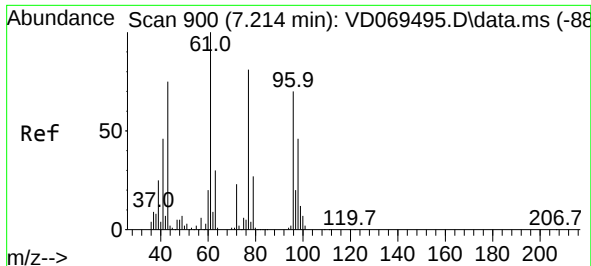
Tgt Ion: 43 Resp: 156

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#

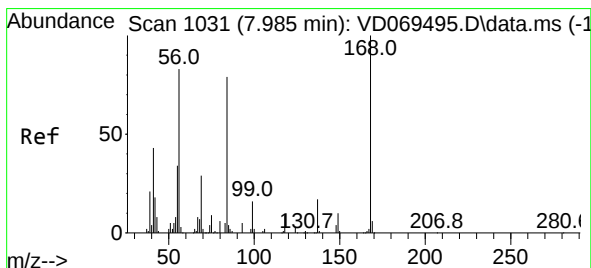
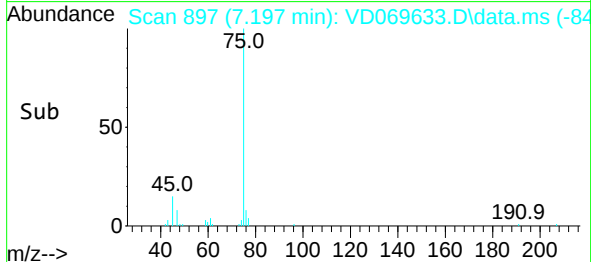
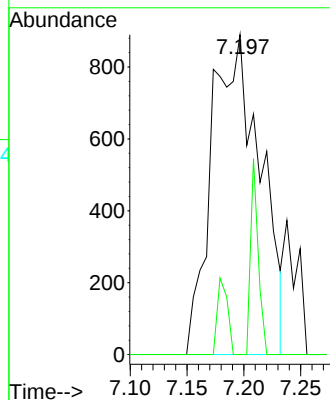
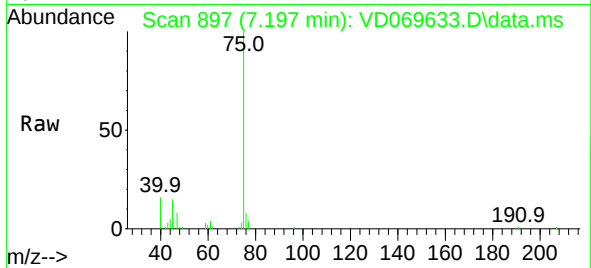




#25
2-Butanone
Concen: 1.784 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

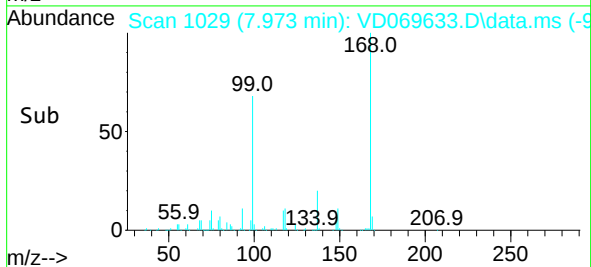
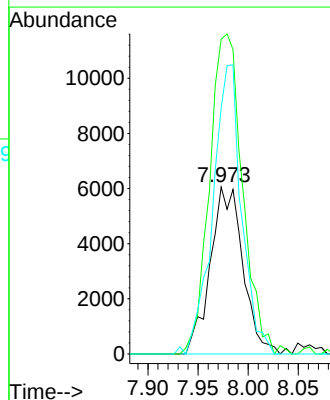
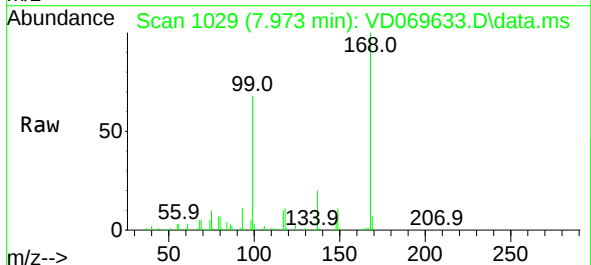
Instrument :
MSVOA_D
ClientSampled :

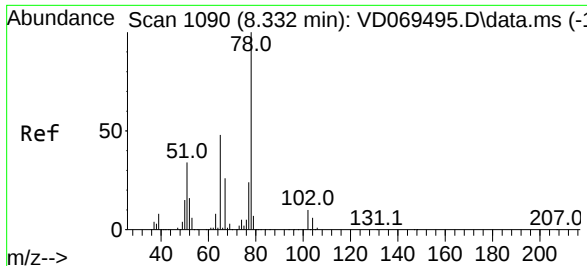
Tgt Ion: 43 Resp: 2647
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.463 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 56 Resp: 13667
Ion Ratio Lower Upper
56 100
69 188.6 28.0 42.0#
84 147.3 75.7 113.5#

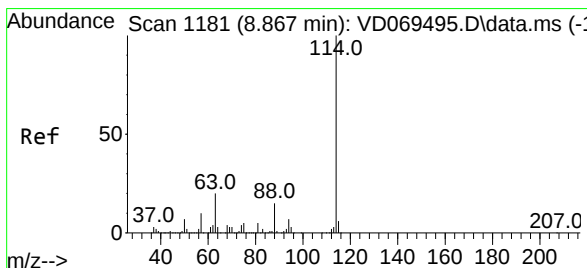
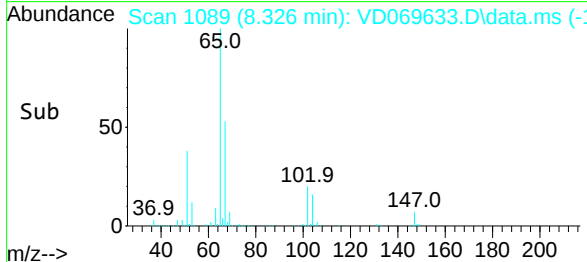
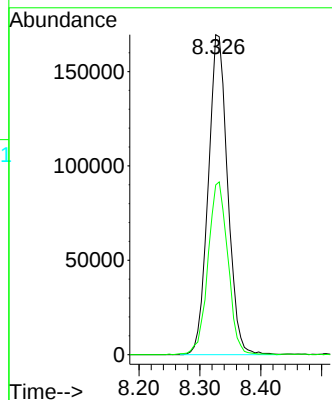
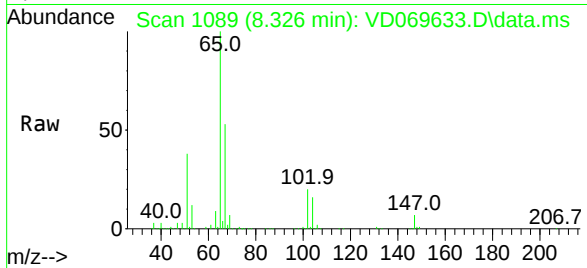




#33
 1,2-Dichloroethane-d4
 Concen: 54.122 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD069633.D
 Acq: 08 Jul 2021 17:03

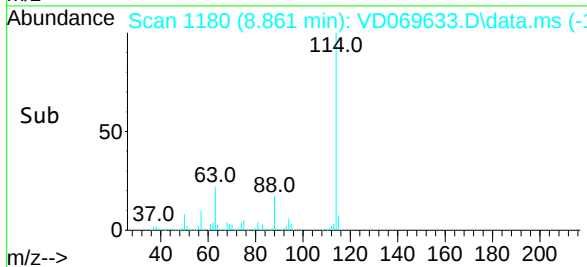
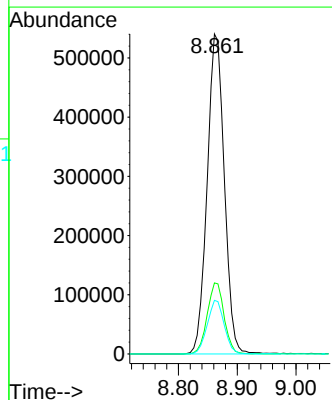
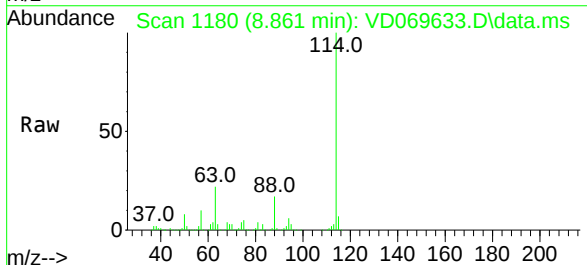
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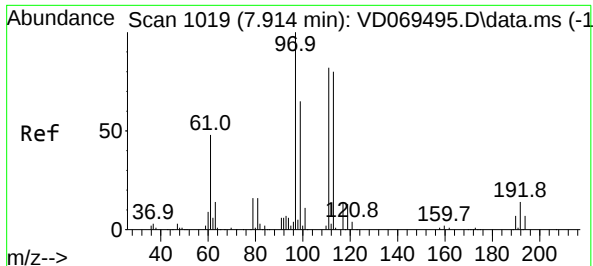
Tgt Ion: 65 Resp: 375458
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.861 min Scan# 1180
 Delta R.T. -0.006 min
 Lab File: VD069633.D
 Acq: 08 Jul 2021 17:03

Tgt Ion: 114 Resp: 1099437
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 39.6
 88 16.7 0.0 29.8





#35

Dibromofluoromethane

Concen: 50.110 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069633.D

Acq: 08 Jul 2021 17:03

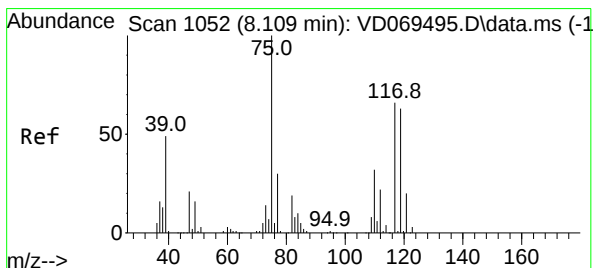
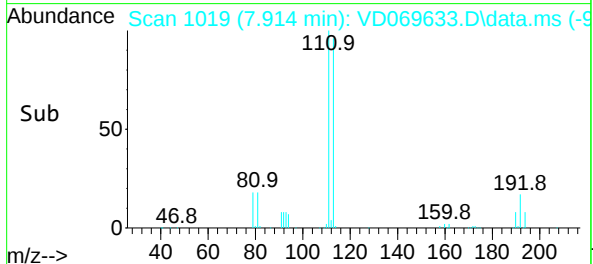
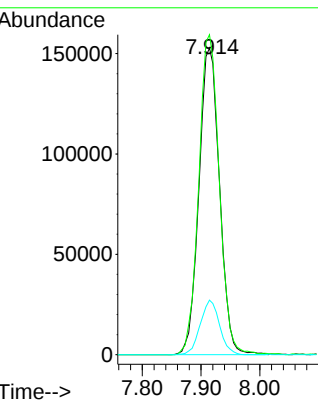
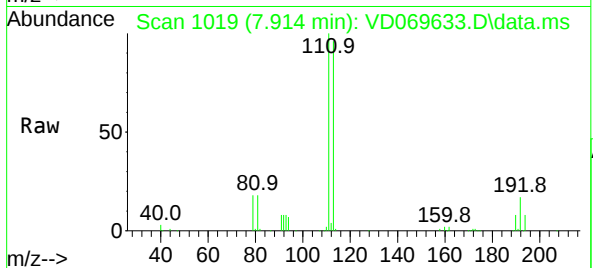
Tgt Ion:113 Resp: 372420

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.8

192 16.6 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.130 min

Lab File: VD069633.D

Acq: 08 Jul 2021 17:03

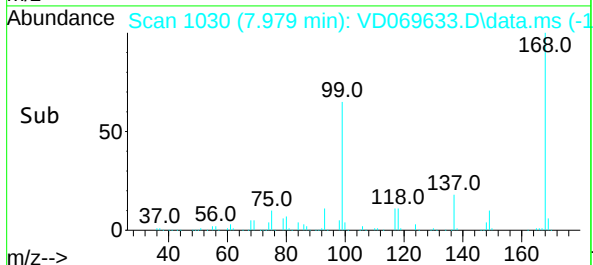
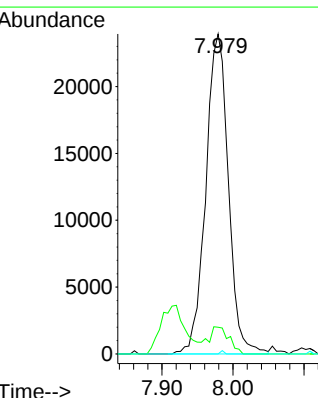
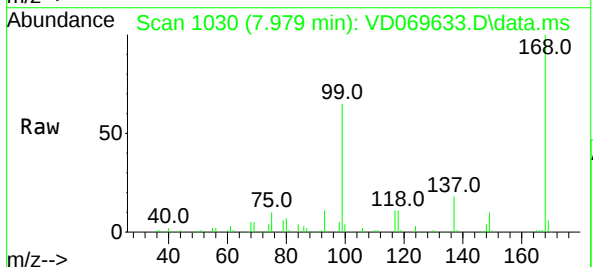
Tgt Ion: 75 Resp: 52743

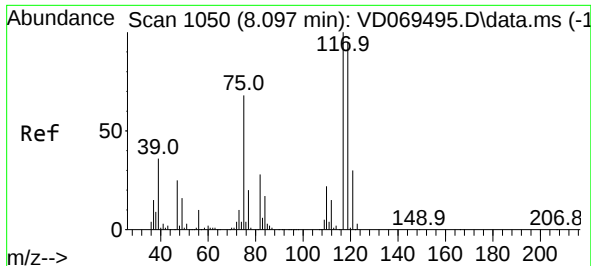
Ion Ratio Lower Upper

75 100

110 7.5 16.8 50.4#

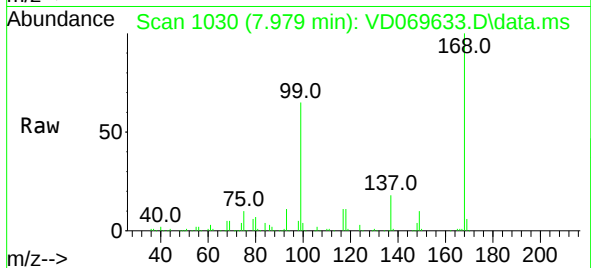
77 0.2 24.3 36.5#



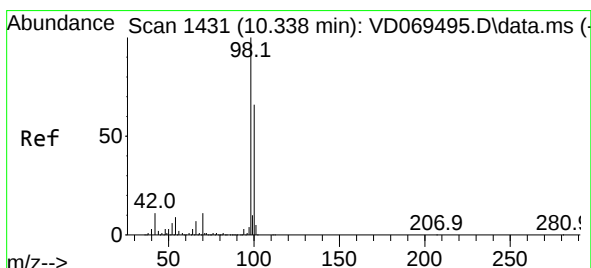
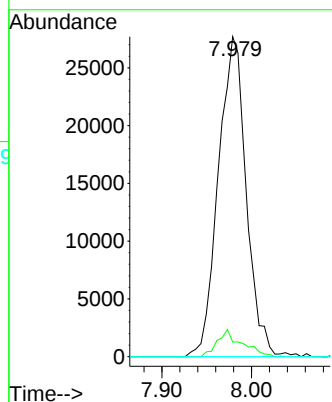
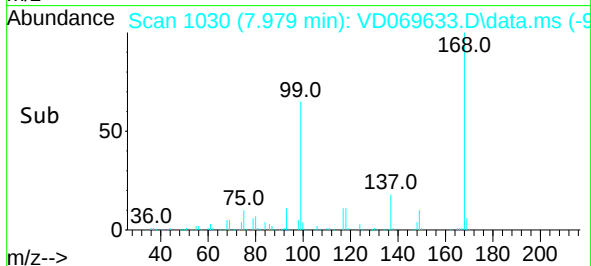


#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

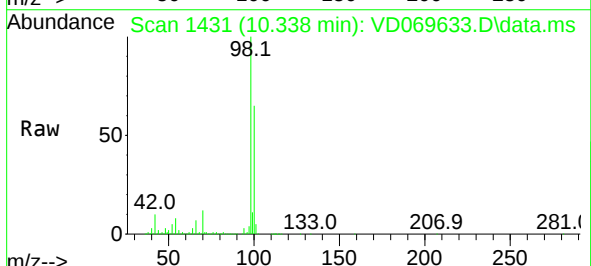
Instrument :
MSVOA_D
ClientSampleId :



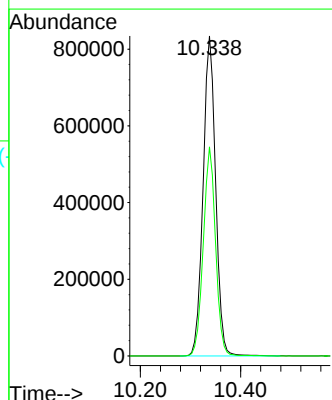
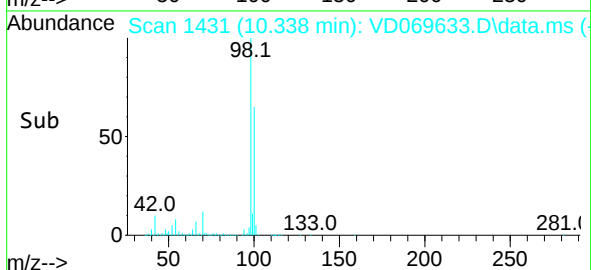
Tgt Ion:117 Resp: 59629
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 23.8 35.8#

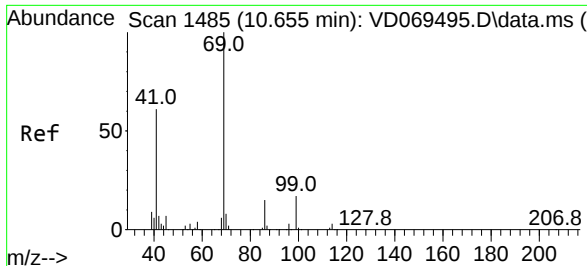


#50
Toluene-d8
Concen: 51.945 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03



Tgt Ion: 98 Resp: 1448065
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5

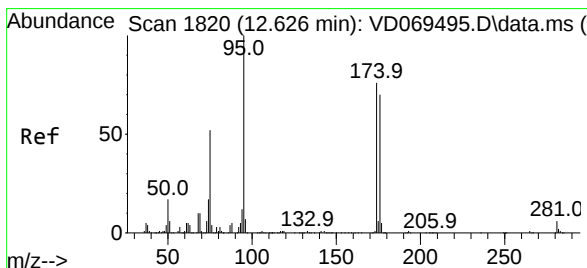
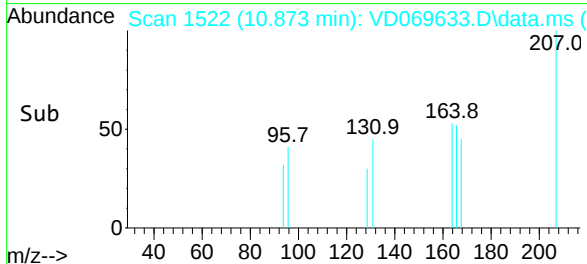
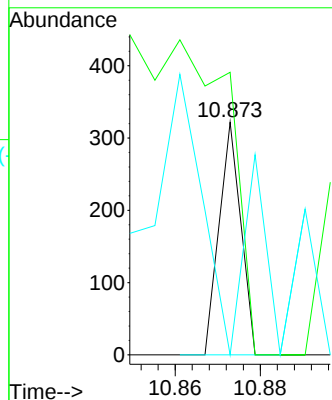
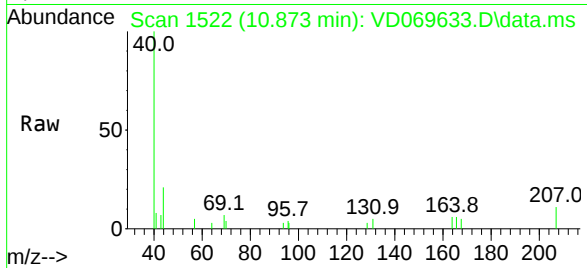




#56
Ethyl methacrylate
Concen: 2.597 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.218 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

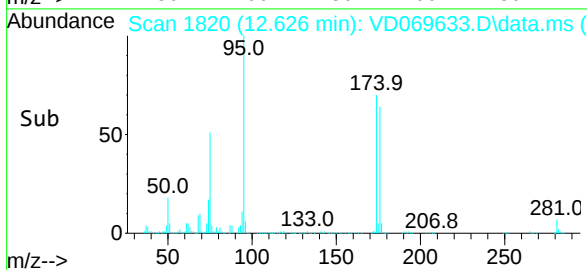
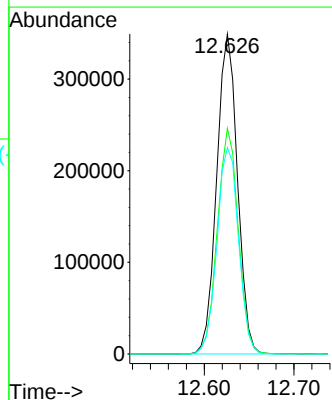
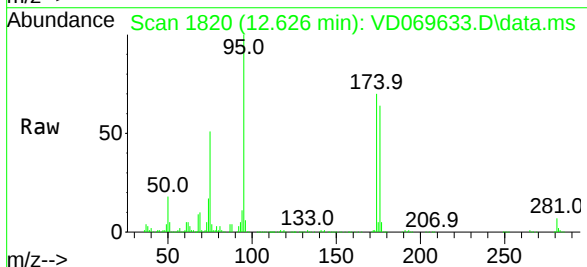
Instrument :
MSVOA_D
ClientSampleId :

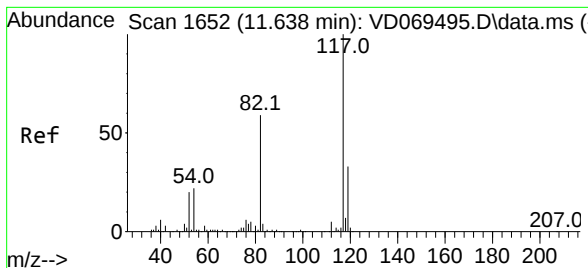
Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 148.2 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 61.227 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 95 Resp: 561125
Ion Ratio Lower Upper
95 100
174 71.1 0.0 148.0
176 66.7 0.0 139.8

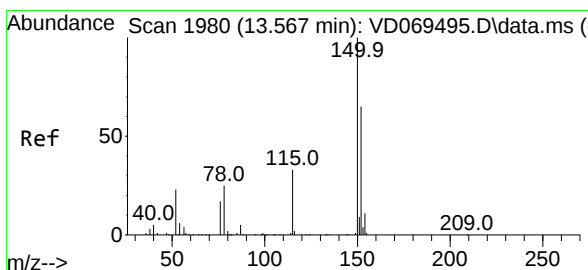
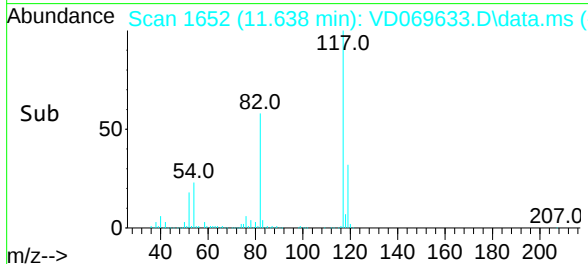
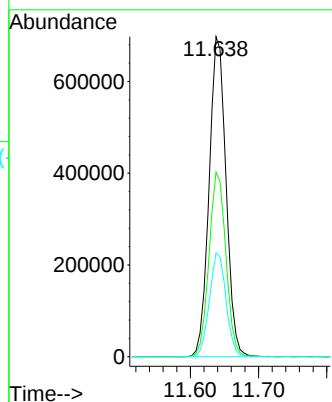
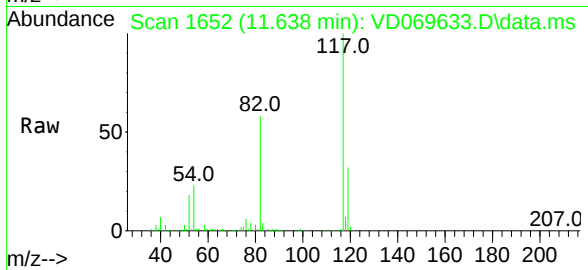




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

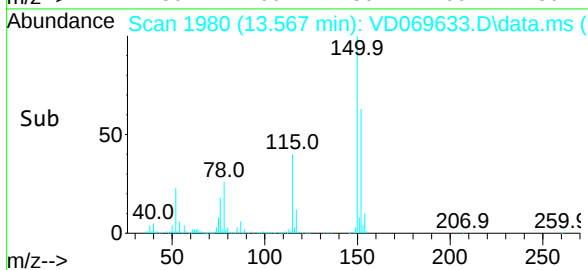
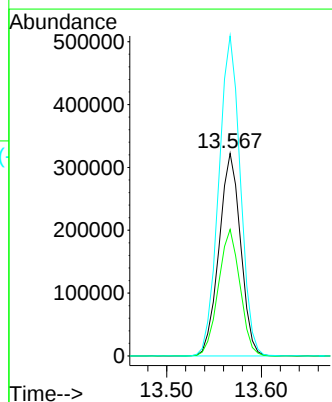
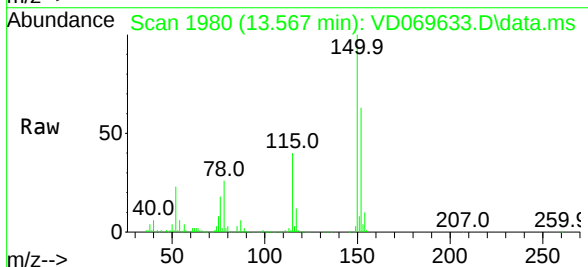
Instrument :
MSVOA_D
ClientSampleId :

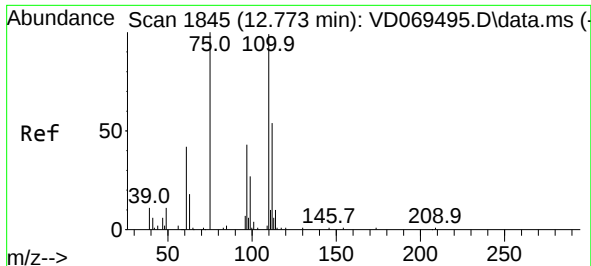
Tgt Ion:117 Resp: 1202263
Ion Ratio Lower Upper
117 100
82 57.6 46.8 70.2
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion:152 Resp: 510882
Ion Ratio Lower Upper
152 100
115 62.5 31.7 95.1
150 158.2 0.0 350.8

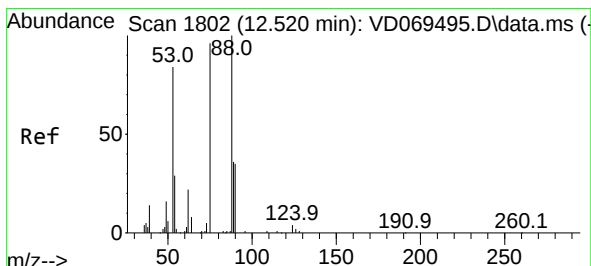
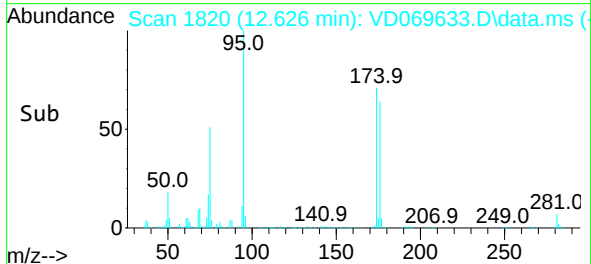
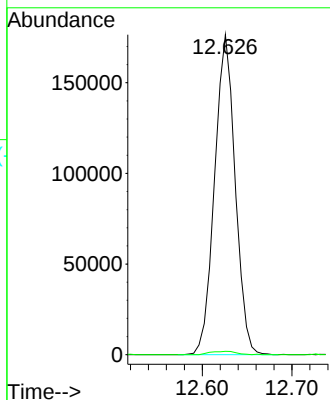
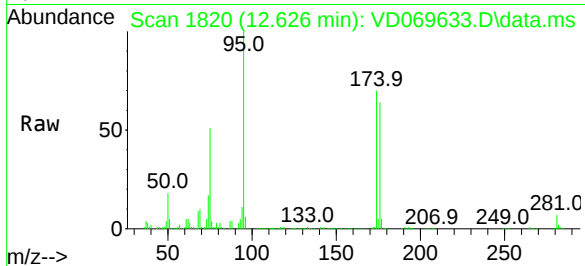




#76
1,2,3-Trichloropropane
Concen: 56.091 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

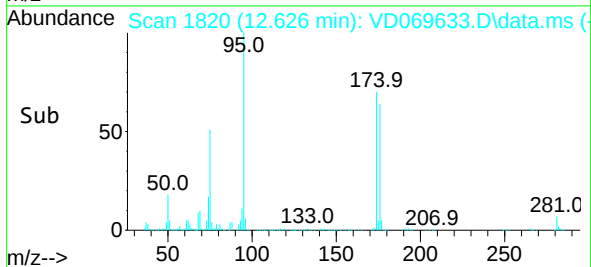
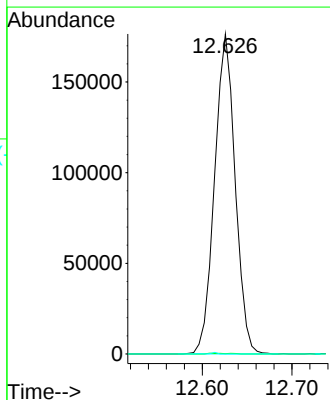
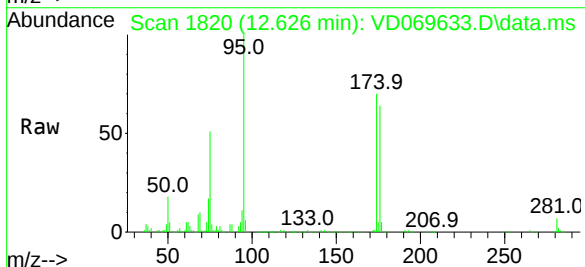
Instrument :
MSVOA_D
ClientSampleId :

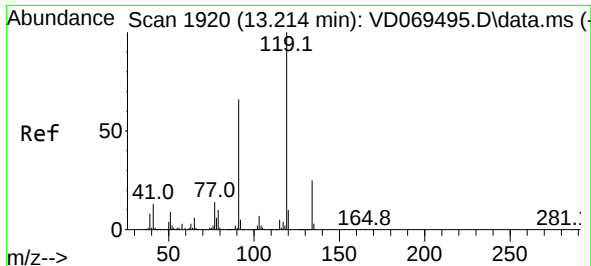
Tgt Ion: 75 Resp: 281295
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.052 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion: 75 Resp: 281295
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.2 35.3 52.9#

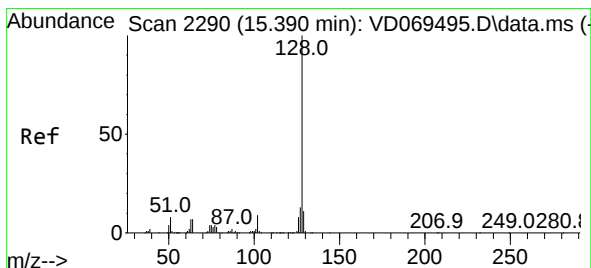
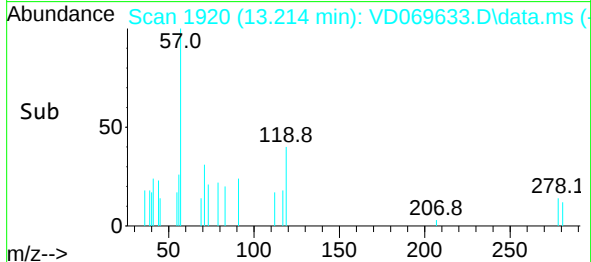
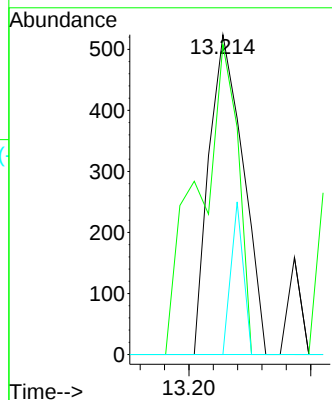
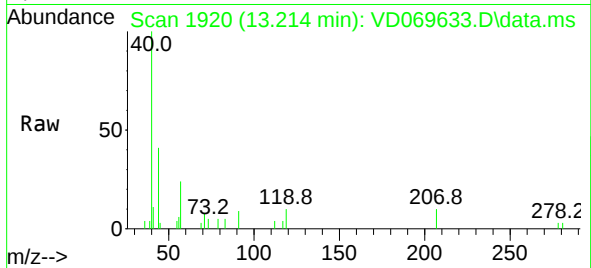




#83
tert-Butylbenzene
Concen: 2.011 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 510
Ion Ratio Lower Upper
119 100
91 113.3 32.5 97.4#
134 17.3 12.9 38.7



#95
Naphthalene
Concen: 3.386 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069633.D
Acq: 08 Jul 2021 17:03

Tgt Ion:128 Resp: 536
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

