

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069638.D
 Acq On : 08 Jul 2021 19:26
 Operator : VA/SY
 Sample : M2969-15
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:05:50 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)

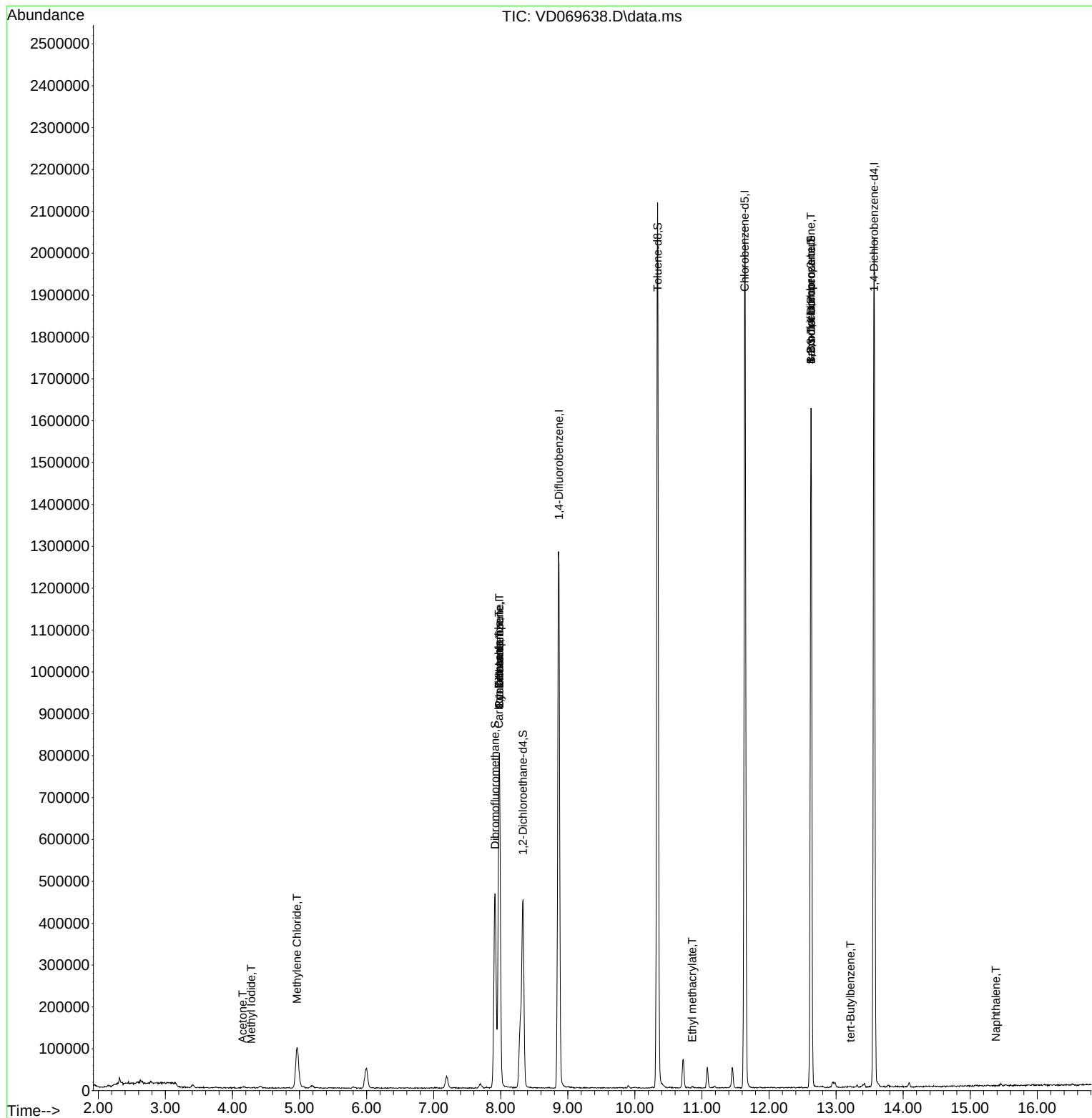
Internal Standards						
1) Pentafluorobenzene	7.979	168	563333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1090067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1182677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	531291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	348660	49.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.300%		
35) Dibromofluoromethane	7.914	113	350934	47.625	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.260%		
50) Toluene-d8	10.338	98	1423803	51.514	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.020%		
62) 4-Bromofluorobenzene	12.626	95	538427	59.255	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	118.520%		
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	2864	Below Cal	#	79
10) Methyl Iodide	4.279	142	92	3.955	ug/l #	33
11) Tert butyl alcohol	5.185	59	5300	Below Cal	#	83
16) Acetone	4.150	43	4478	3.789	ug/l	99
18) Methyl Acetate	4.709	43	56	Below Cal	#	49
20) Methylene Chloride	4.962	84	76861	4.398	ug/l	94
31) Cyclohexane	7.979	56	13754	1.455	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	51829	4.845	ug/l #	49
38) Carbon Tetrachloride	7.973	117	61770	5.834	ug/l #	18
56) Ethyl methacrylate	10.855	69	161	2.603	ug/l #	1
71) Bromoform	12.626	173	4447	1.026	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	270542	51.875	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	270542	129.524	ug/l #	12
83) tert-Butylbenzene	13.214	119	82	1.995	ug/l #	78
95) Naphthalene	15.385	128	356	3.374	ug/l #	69

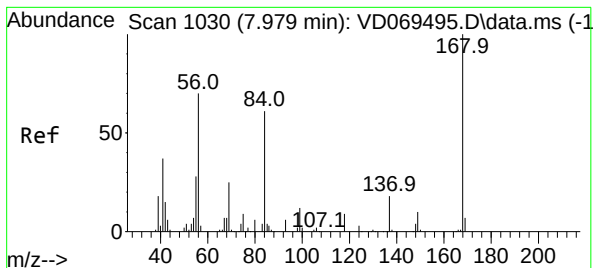
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069638.D

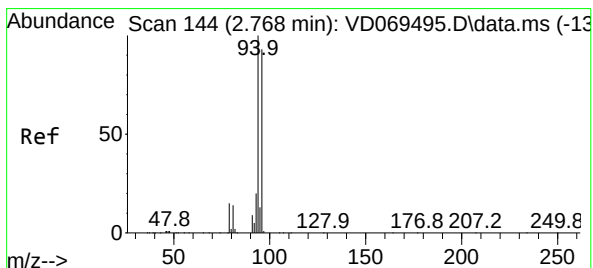
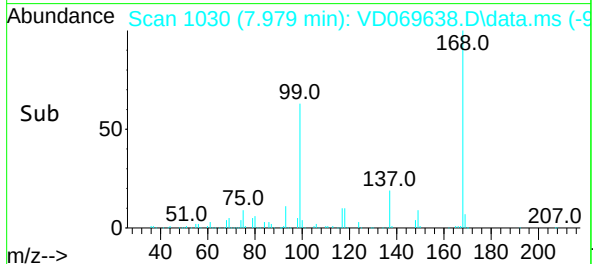
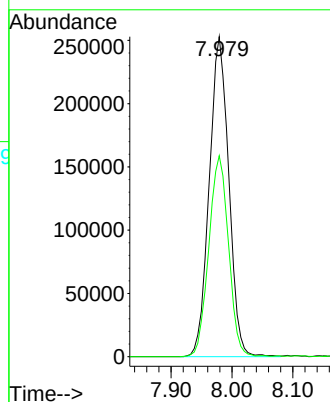
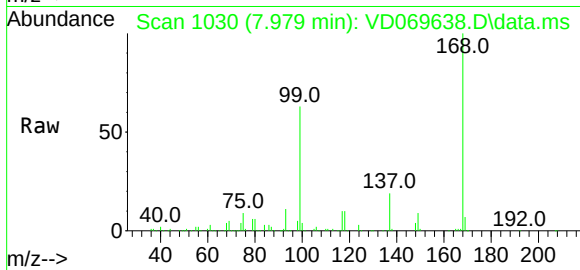
Acq: 08 Jul 2021 19:26

Tgt Ion:168 Resp: 563333

Ion Ratio Lower Upper

168 100

99 62.8 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.017 min

Lab File: VD069638.D

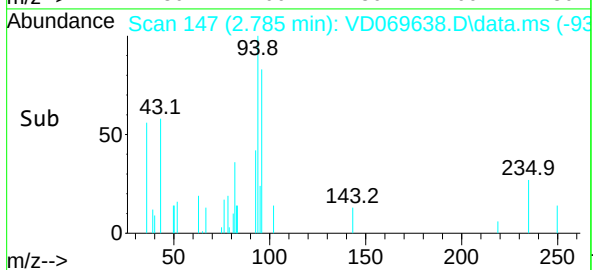
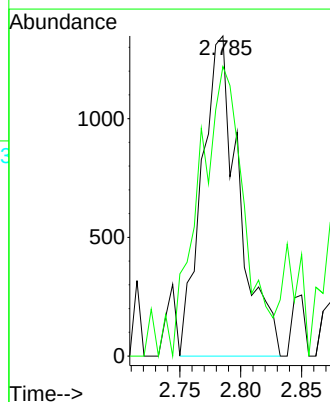
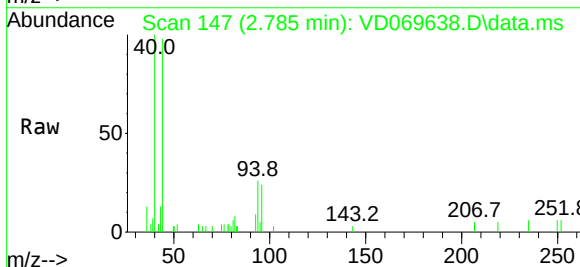
Acq: 08 Jul 2021 19:26

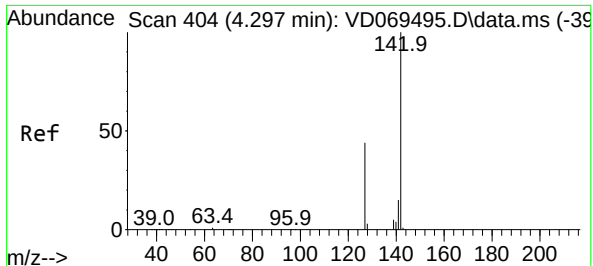
Tgt Ion: 94 Resp: 2864

Ion Ratio Lower Upper

94 100

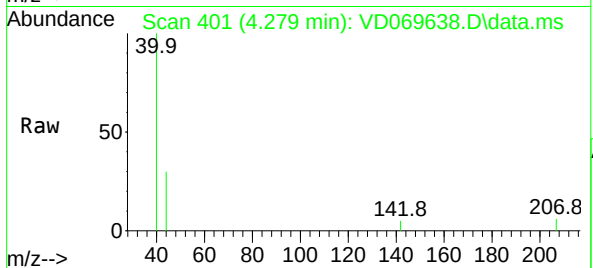
96 72.8 74.6 111.8#



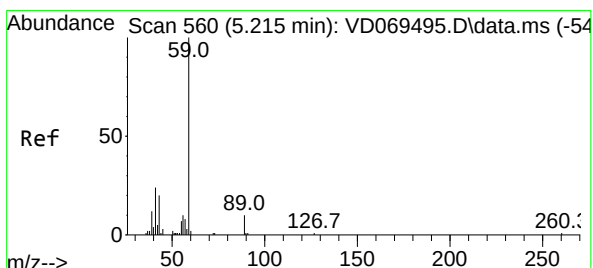
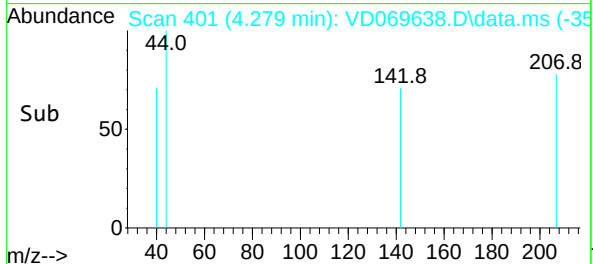
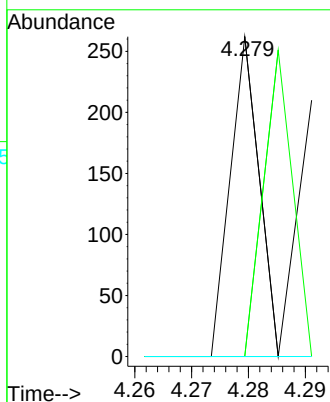


#10
Methyl Iodide
Concen: 3.955 ug/l
RT: 4.279 min Scan# 401
Delta R.T. -0.018 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

Instrument :
MSVOA_D
ClientSampleId :

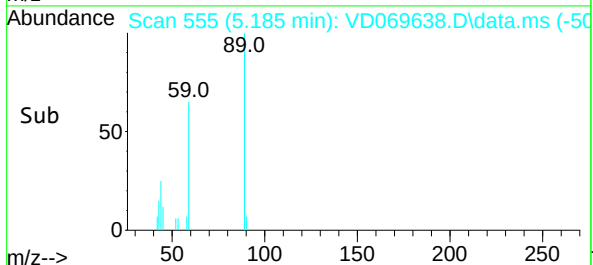
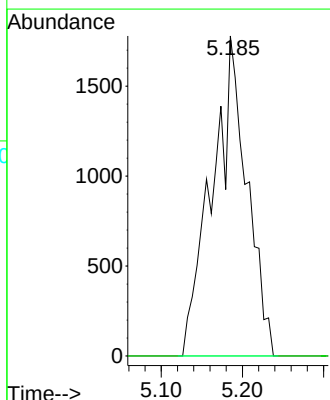
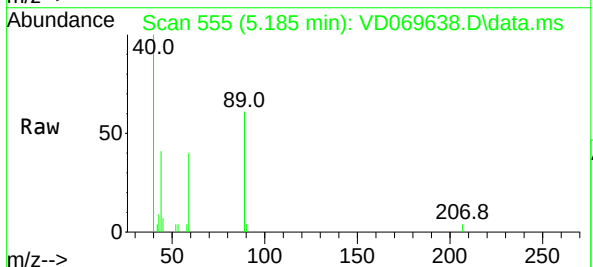


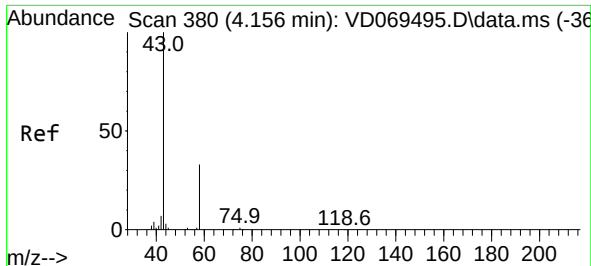
Tgt Ion:142 Resp: 92
Ion Ratio Lower Upper
142 100
127 96.7 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

Tgt Ion: 59 Resp: 5300
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

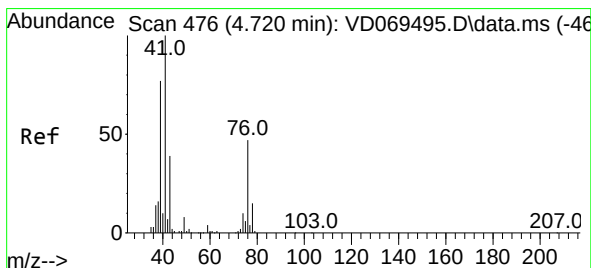
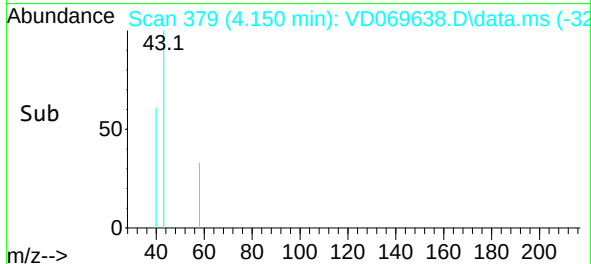
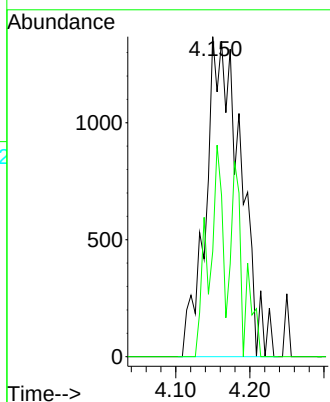
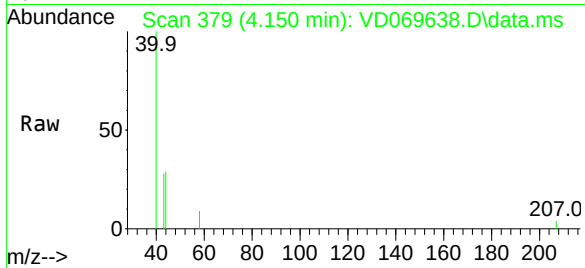




#16
Acetone
Concen: 3.789 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

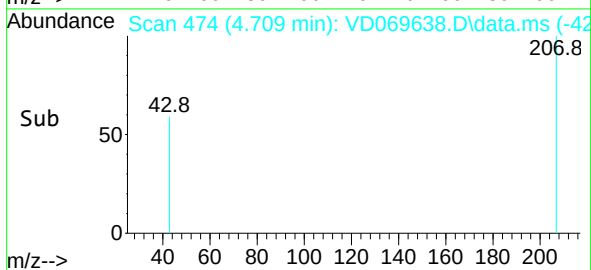
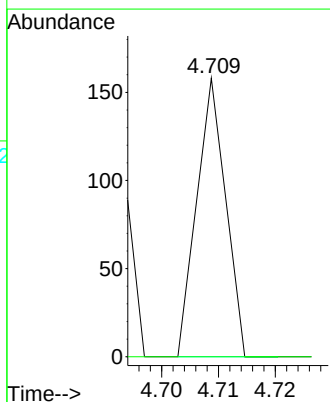
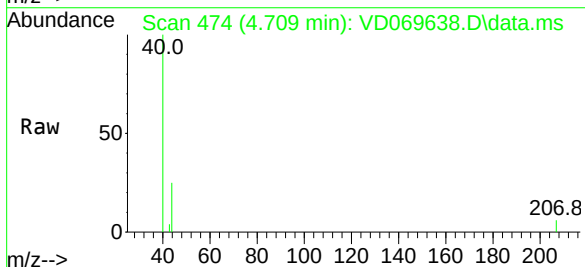
Instrument :
MSVOA_D
ClientSampled :

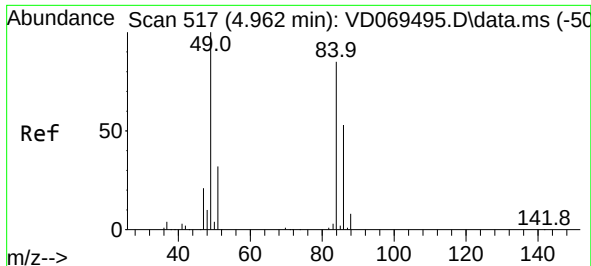
Tgt Ion: 43 Resp: 4478
Ion Ratio Lower Upper
43 100
58 33.0 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

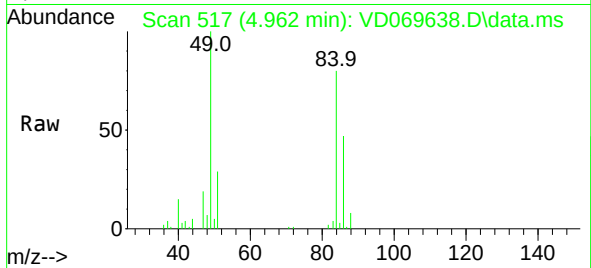
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



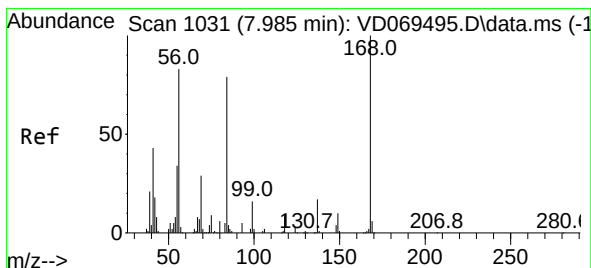
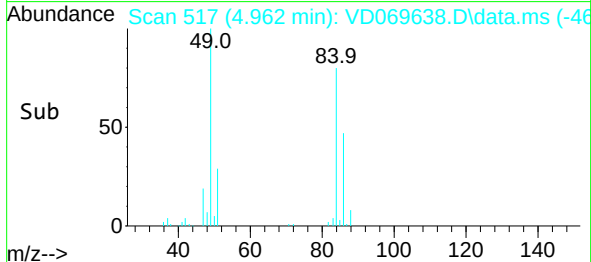
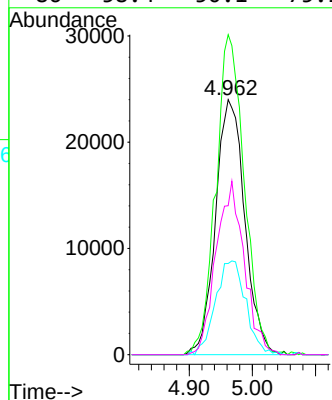


#20
Methylene Chloride
Concen: 4.398 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

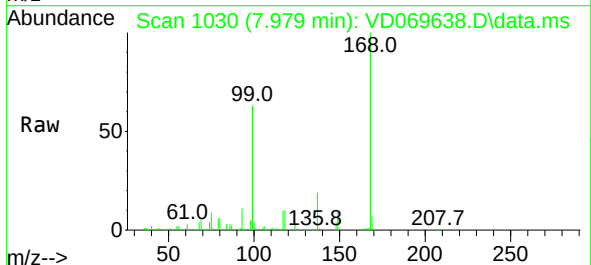
Instrument :
MSVOA_D
ClientSampled :



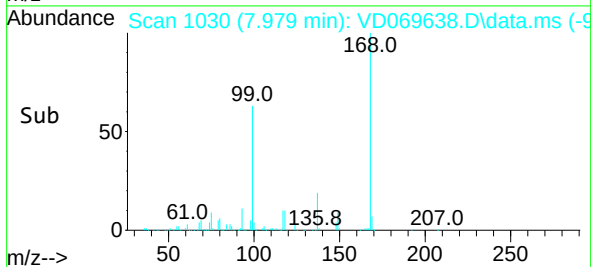
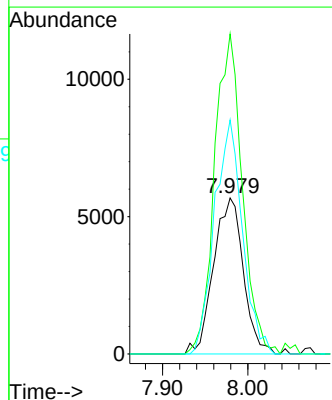
Tgt	Ion: 84	Resp:	76861
Ion	Ratio	Lower	Upper
84	100		
49	125.5	94.0	141.0
51	35.8	29.7	44.5
86	58.4	50.1	75.1

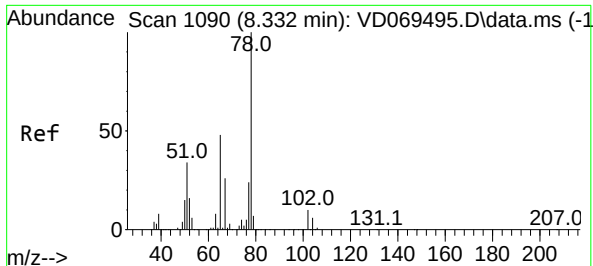


#31
Cyclohexane
Concen: 1.455 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26



Tgt Ion: 56	Resp: 13754
Ion Ratio	Lower Upper
56 100	
69 205.1	28.0 42.0#
84 150.0	75.7 113.5#

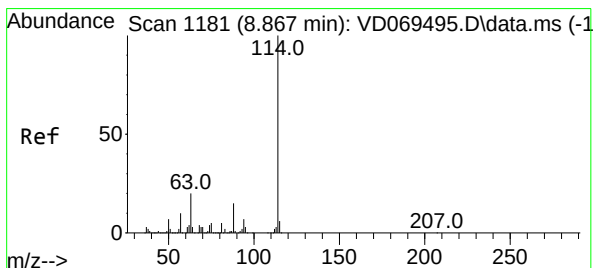
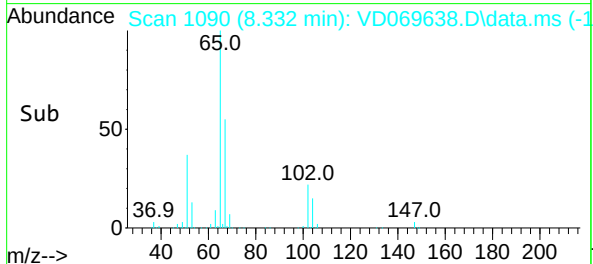
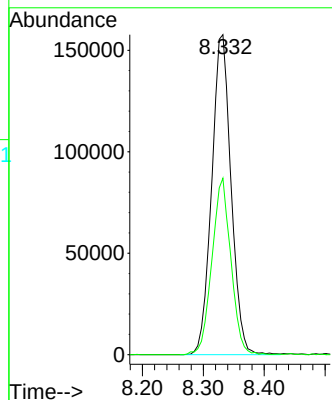
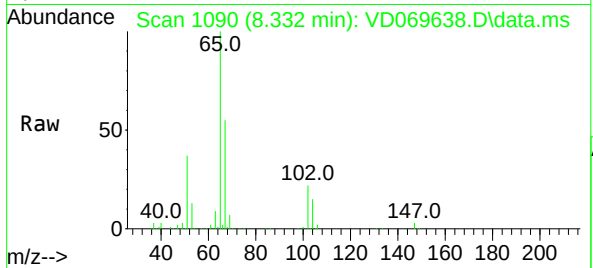




#33
1,2-Dichloroethane-d4
Concen: 49.654 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

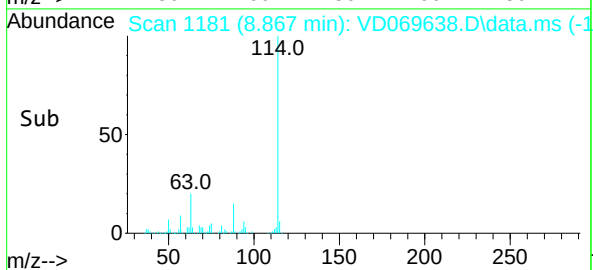
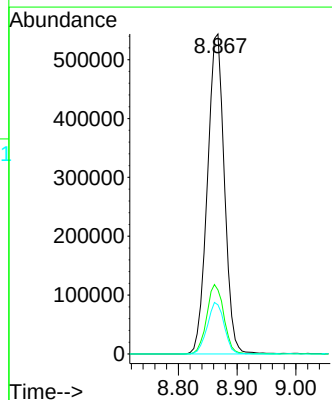
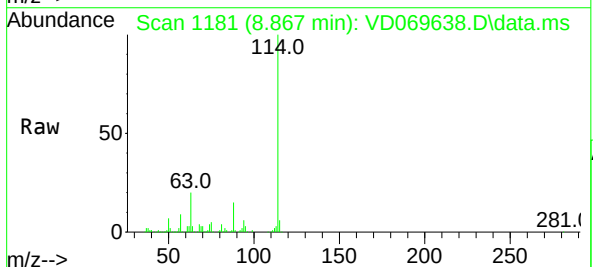
Instrument :
MSVOA_D
ClientSampleId :

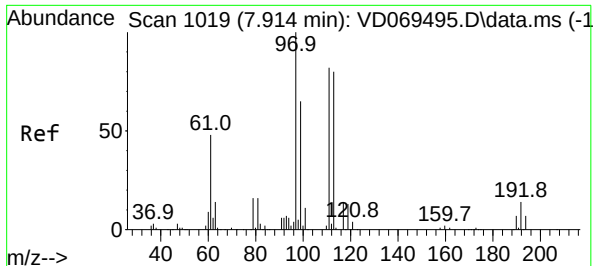
Tgt Ion: 65 Resp: 348660
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

Tgt Ion: 114 Resp: 1090067
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.6
88 15.4 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.625 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069638.D

Acq: 08 Jul 2021 19:26

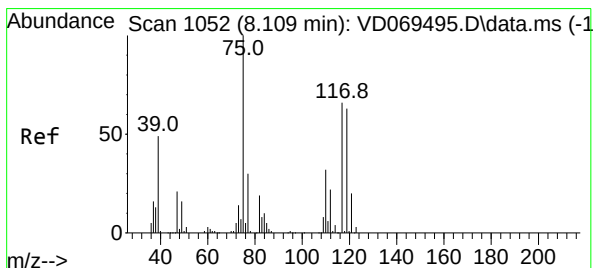
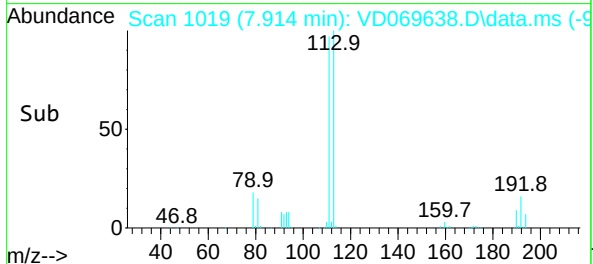
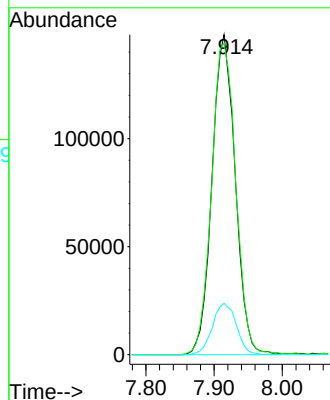
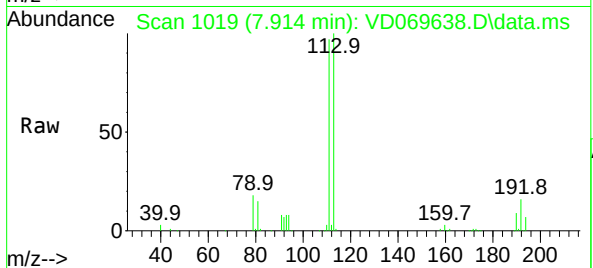
Tgt Ion:113 Resp: 350934

Ion Ratio Lower Upper

113 100

111 101.9 81.8 122.8

192 16.5 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD069638.D

Acq: 08 Jul 2021 19:26

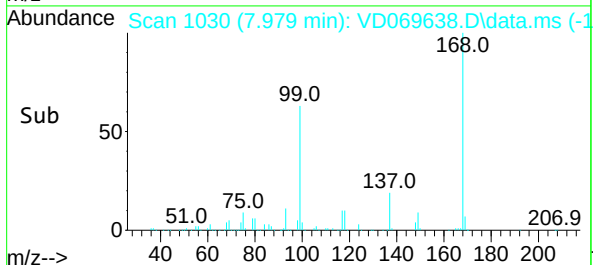
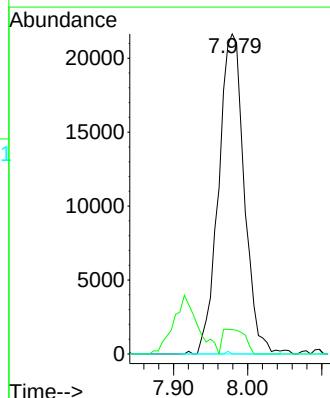
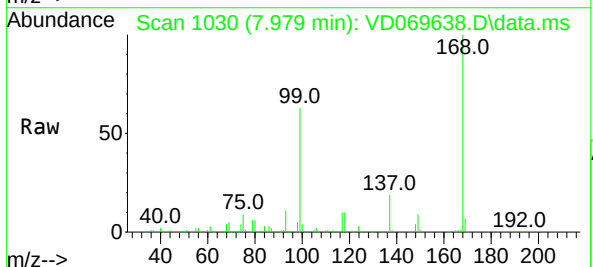
Tgt Ion: 75 Resp: 51829

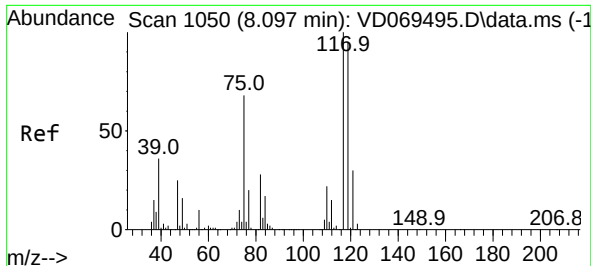
Ion Ratio Lower Upper

75 100

110 6.7 16.8 50.4#

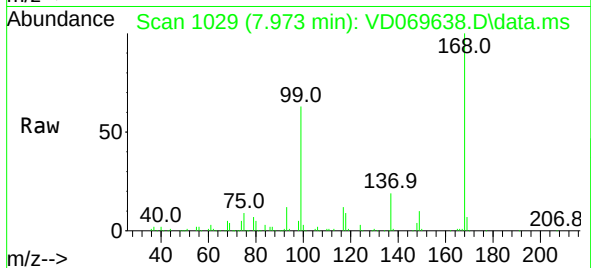
77 0.1 24.3 36.5#



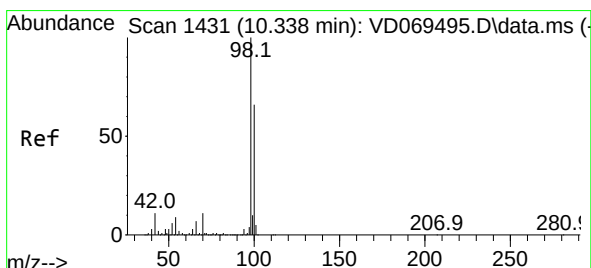
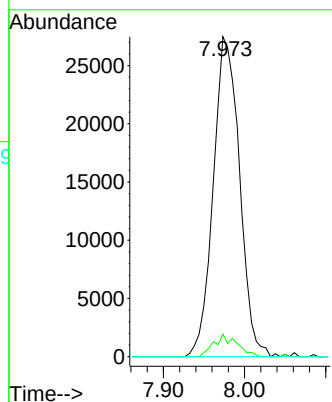
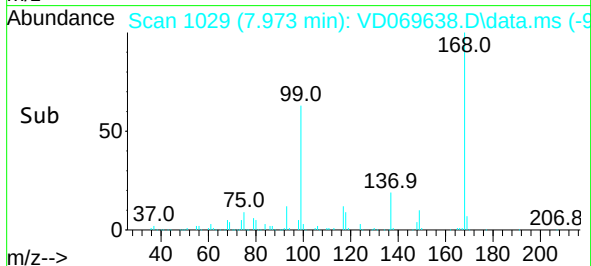


#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

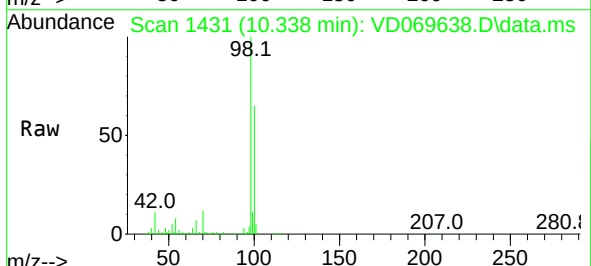
Instrument :
MSVOA_D
ClientSampleId :



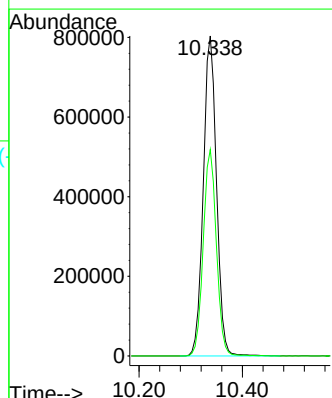
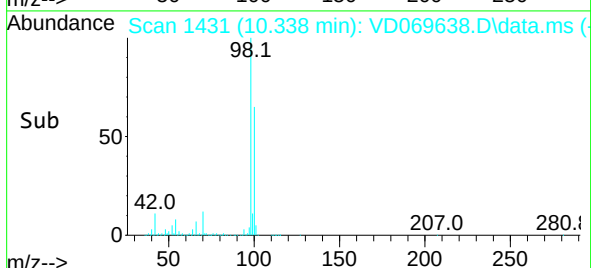
Tgt Ion:117 Resp: 61770
Ion Ratio Lower Upper
117 100
119 7.0 75.6 113.4#
121 0.0 23.8 35.8#

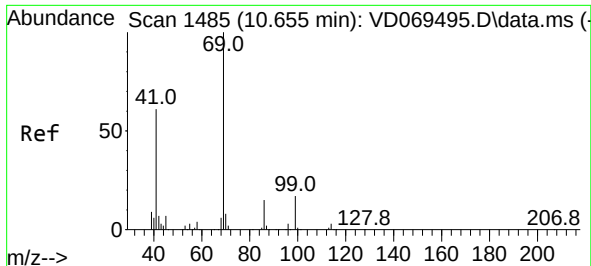


#50
Toluene-d8
Concen: 51.514 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26



Tgt Ion: 98 Resp: 1423803
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

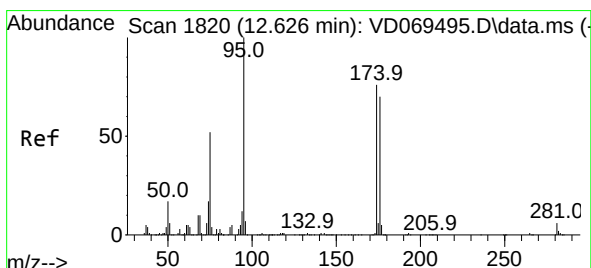
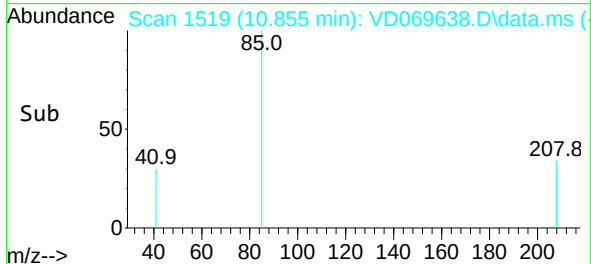
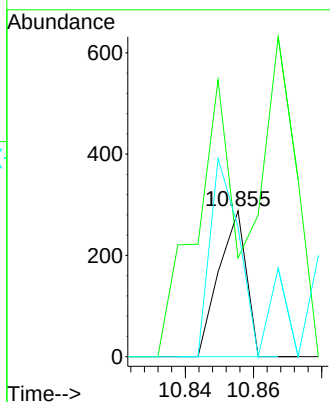
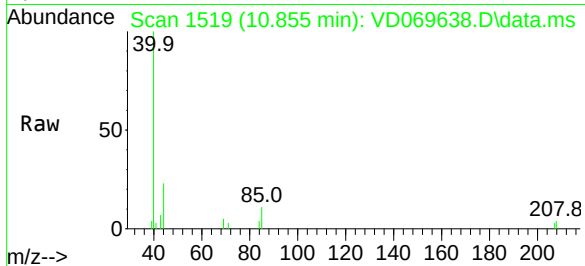




#56
Ethyl methacrylate
Concen: 2.603 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. 0.200 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

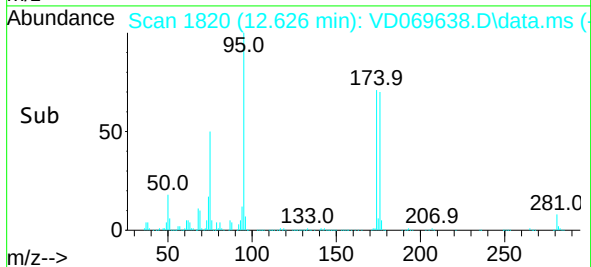
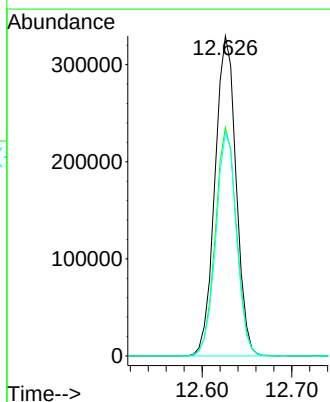
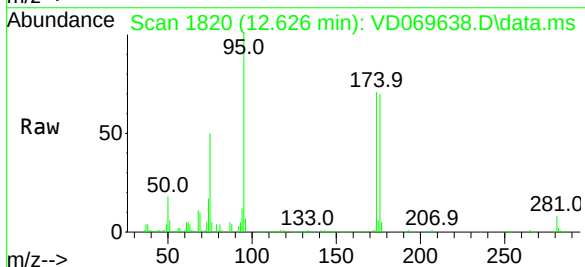
Instrument :
MSVOA_D
ClientSampleId :

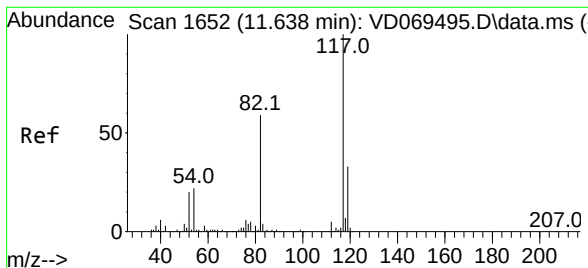
Tgt Ion: 69 Resp: 161
Ion Ratio Lower Upper
69 100
41 259.6 49.4 74.0#
39 141.6 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 59.255 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

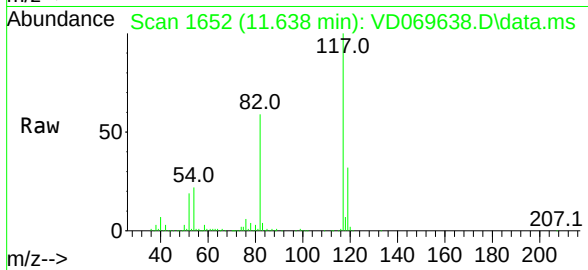
Tgt Ion: 95 Resp: 538427
Ion Ratio Lower Upper
95 100
174 71.6 0.0 148.0
176 68.5 0.0 139.8



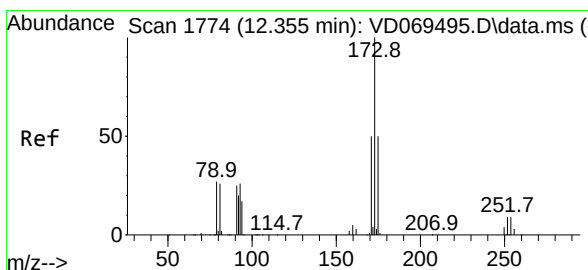
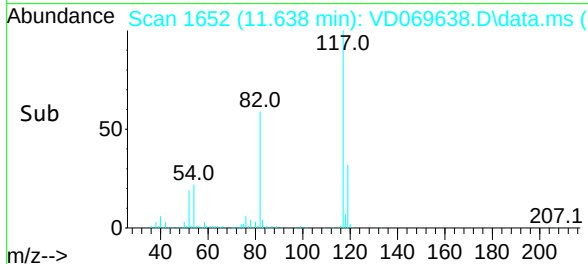
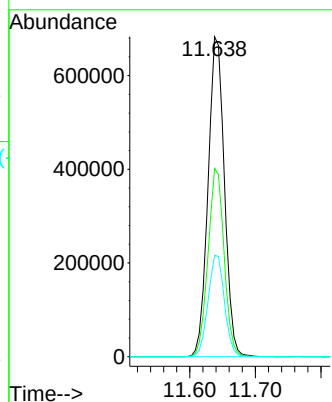


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

Instrument :
MSVOA_D
ClientSampleId :

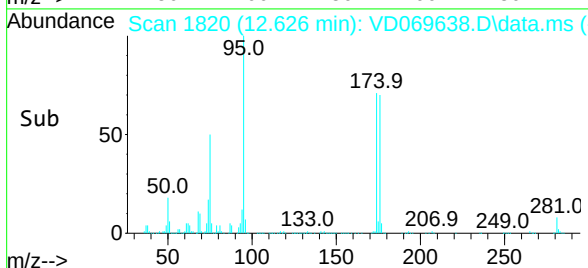
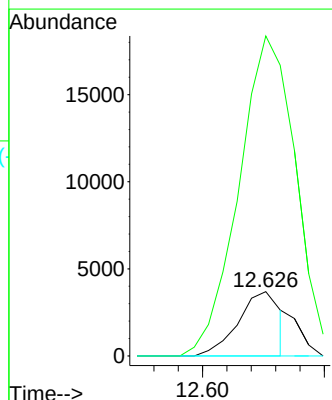
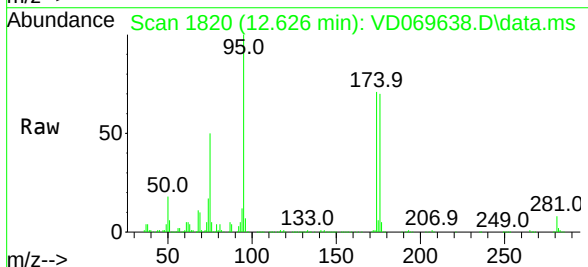


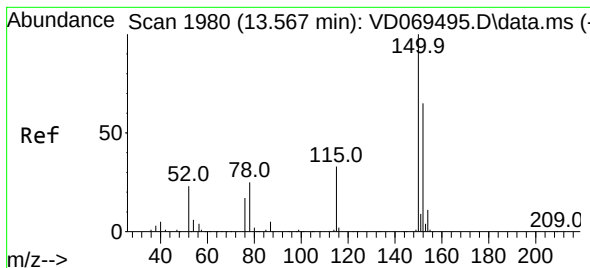
Tgt Ion:117 Resp: 1182677
Ion Ratio Lower Upper
117 100
82 58.8 46.8 70.2
119 31.7 26.2 39.2



#71
Bromoform
Concen: 1.026 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

Tgt Ion:173 Resp: 4447
Ion Ratio Lower Upper
173 100
175 524.9 24.6 73.8#
254 0.0 0.1 0.1#

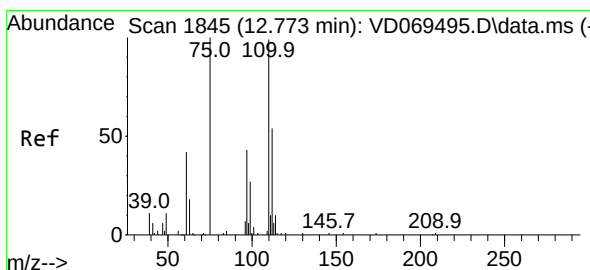
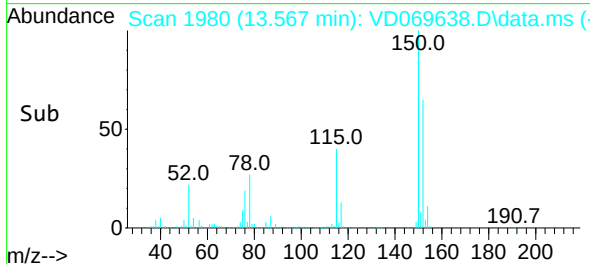
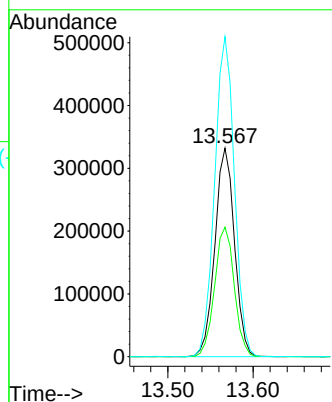
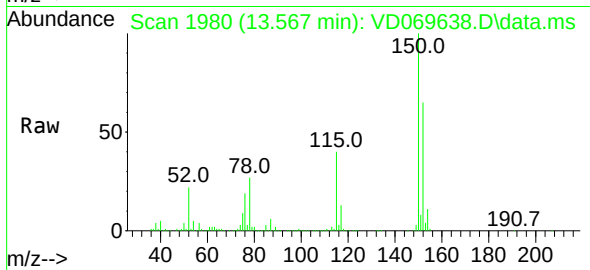




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

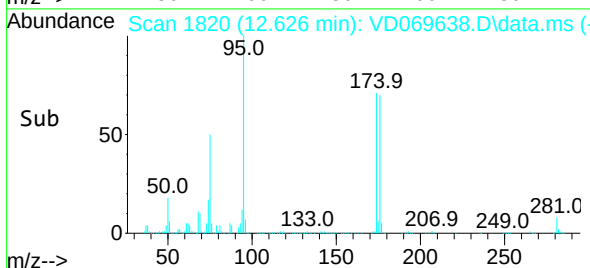
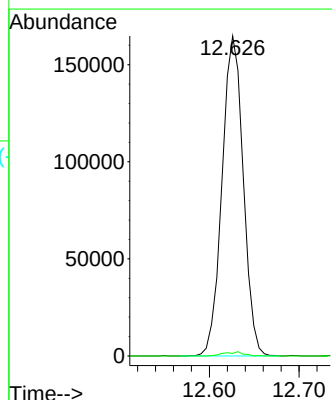
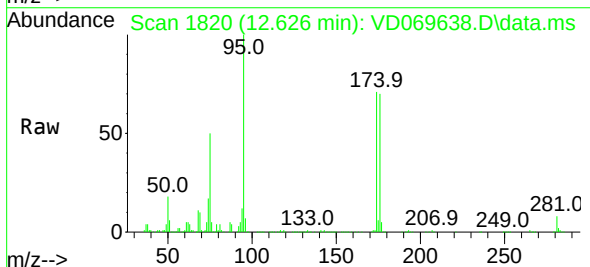
Instrument :
MSVOA_D
ClientSampleId :

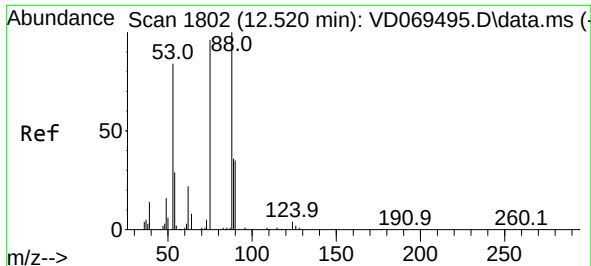
Tgt Ion:152 Resp: 531291
Ion Ratio Lower Upper
152 100
115 62.3 31.7 95.1
150 154.4 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 51.875 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

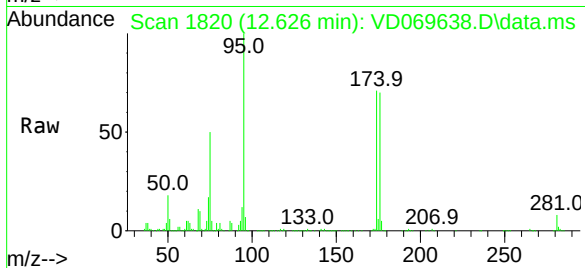
Tgt Ion: 75 Resp: 270542
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



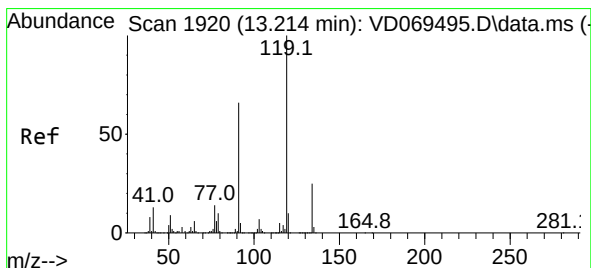
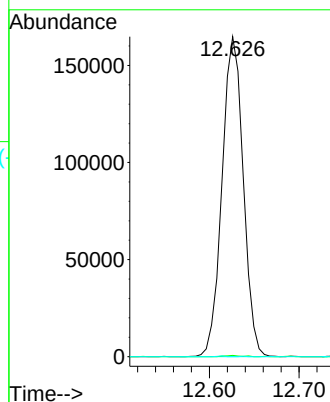
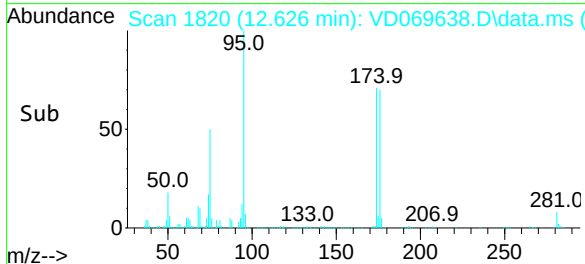


#81
trans-1,4-Dichloro-2-butene
Concen: 129.524 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

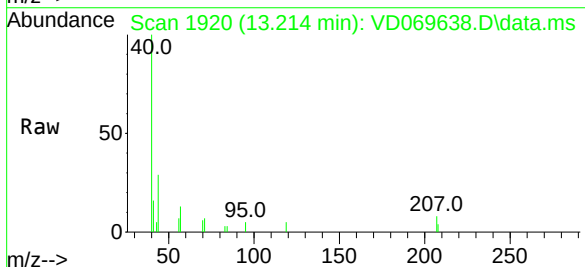
Instrument :
MSVOA_D
ClientSampleId :



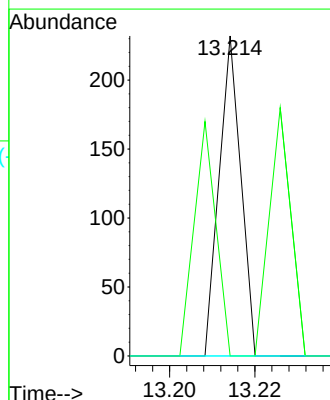
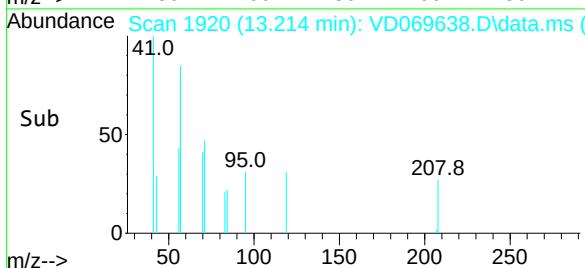
Tgt Ion: 75 Resp: 270542
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.0 35.3 52.9#

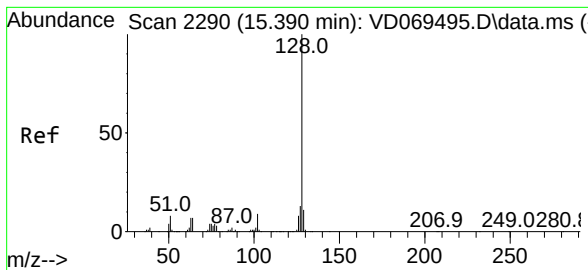


#83
tert-Butylbenzene
Concen: 1.995 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26



Tgt Ion: 119 Resp: 82
Ion Ratio Lower Upper
119 100
91 73.2 32.5 97.4
134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.374 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069638.D
Acq: 08 Jul 2021 19:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 356
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

