

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069635.D
 Acq On : 08 Jul 2021 18:00
 Operator : VA/SY
 Sample : M2969-07
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:04:59 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)

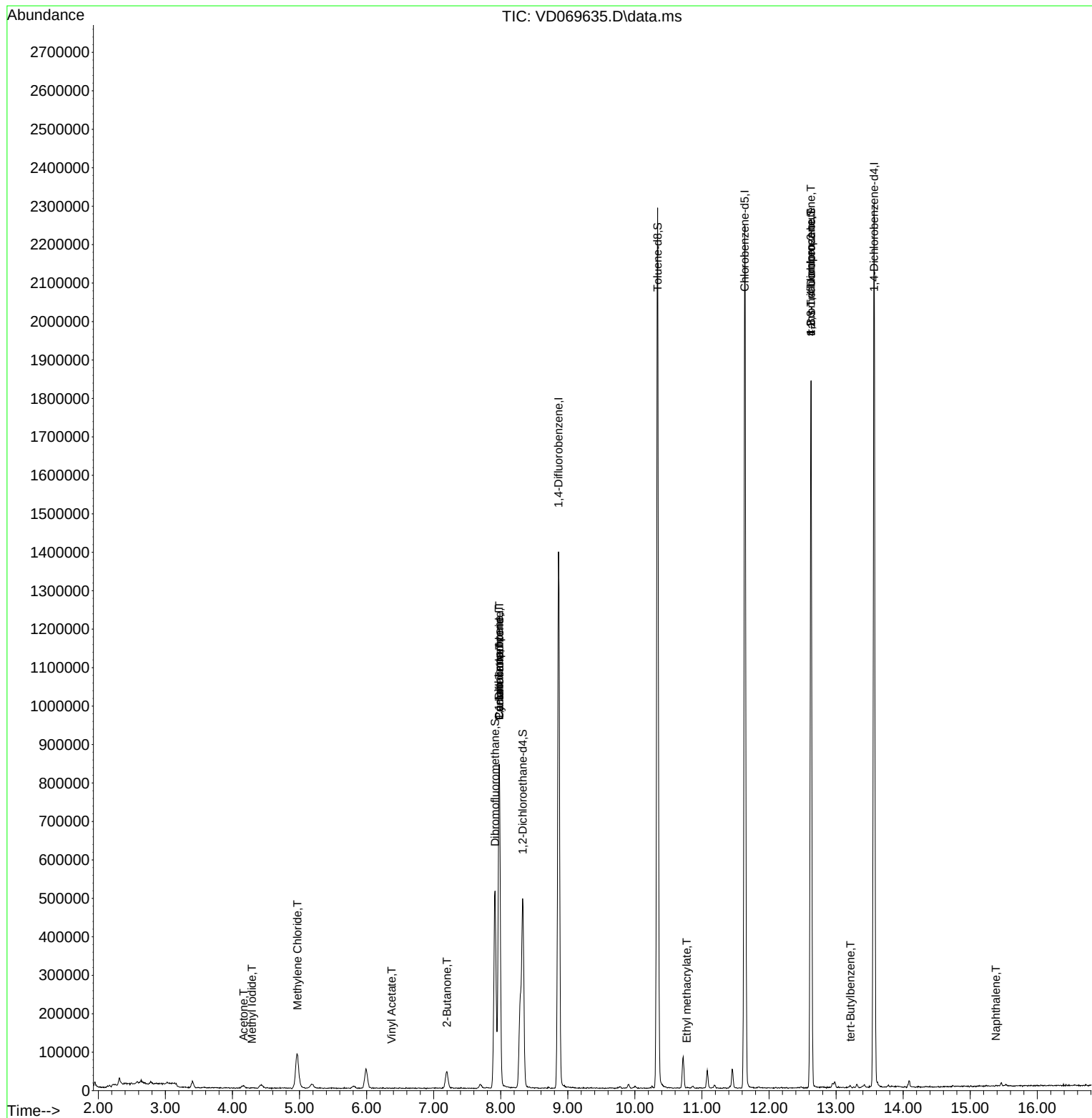
Internal Standards						
1) Pentafluorobenzene	7.979	168	596363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1176532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1301636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	587457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	376151	50.602	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.200%	
35) Dibromofluoromethane	7.914	113	375593	47.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.460%	
50) Toluene-d8	10.338	98	1541574	51.676	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.626	95	601206	61.302	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.600%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	3754	Below Cal	#	52
10) Methyl Iodide	4.291	142	1916	4.223	ug/l #	65
11) Tert butyl alcohol	5.179	59	10135	Below Cal	#	83
16) Acetone	4.168	43	11768	9.405	ug/l #	76
18) Methyl Acetate	4.732	43	119	Below Cal	#	49
20) Methylene Chloride	4.967	84	73132	3.213	ug/l	100
23) Vinyl Acetate	6.373	43	133	19.022	ug/l #	70
25) 2-Butanone	7.197	43	2637	1.659	ug/l #	44
31) Cyclohexane	7.979	56	15277	1.526	ug/l #	3
36) 1,1-Dichloropropene	7.973	75	55944	4.845	ug/l #	45
38) Carbon Tetrachloride	7.979	117	67163	5.877	ug/l #	17
56) Ethyl methacrylate	10.773	69	119	2.596	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	298734	51.804	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	298734	129.347	ug/l #	13
83) tert-Butylbenzene	13.214	119	712	2.015	ug/l #	54
95) Naphthalene	15.385	128	464	3.378	ug/l #	69

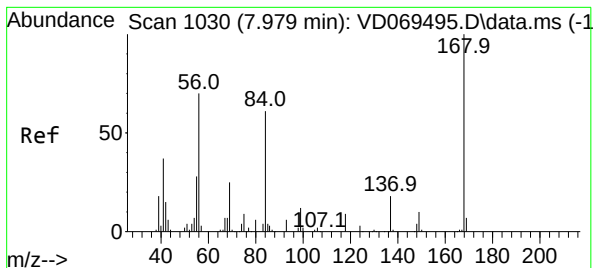
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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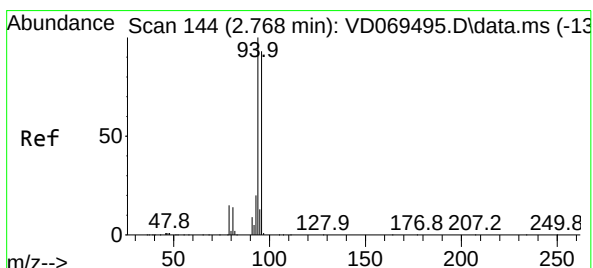
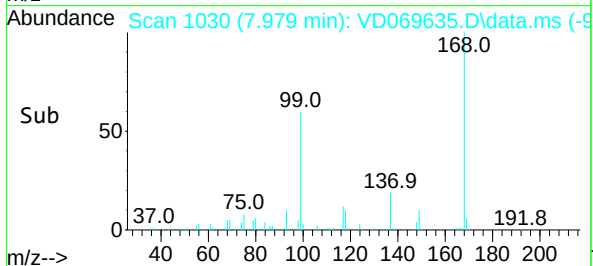
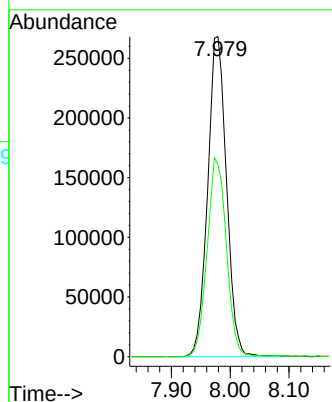
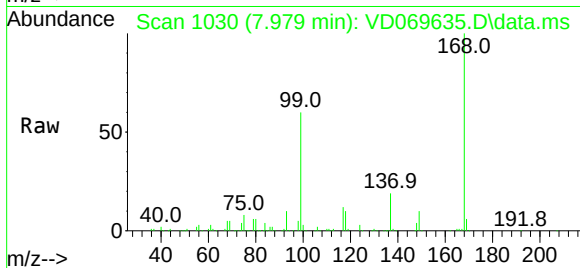




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

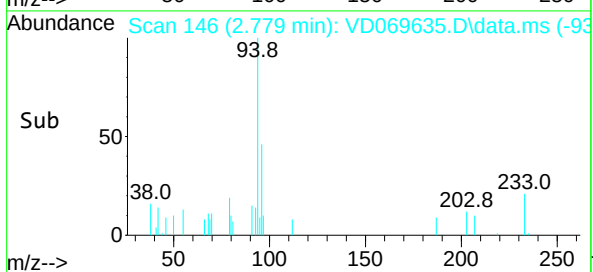
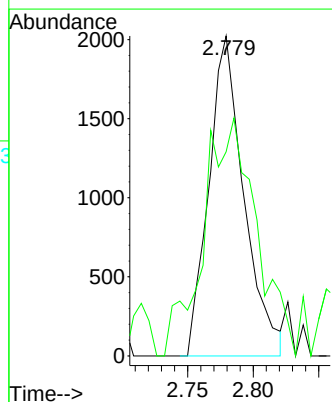
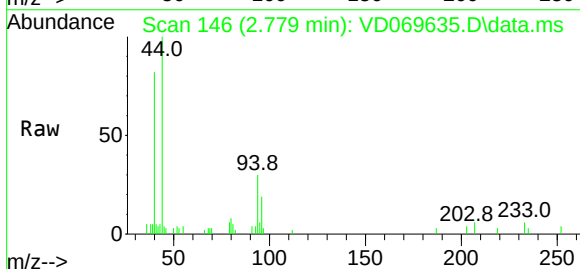
Instrument :
MSVOA_D
ClientSampleId :

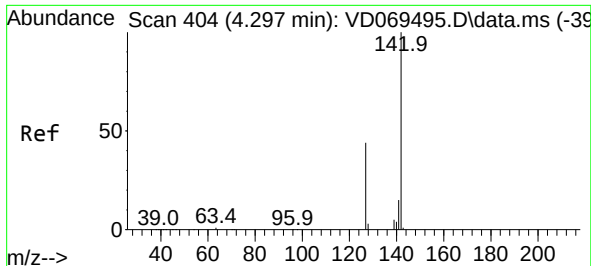
Tgt Ion:168 Resp: 596363
Ion Ratio Lower Upper
168 100
99 60.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

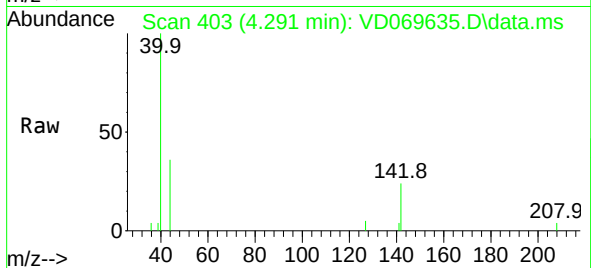
Tgt Ion: 94 Resp: 3754
Ion Ratio Lower Upper
94 100
96 46.7 74.6 111.8#



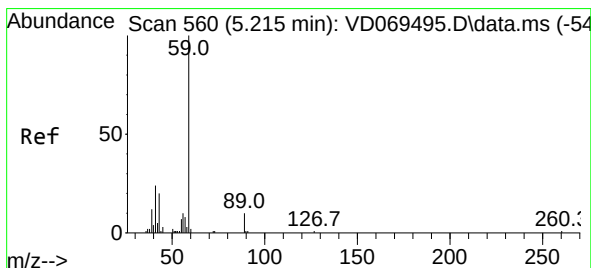
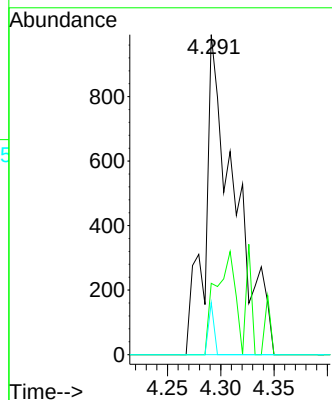
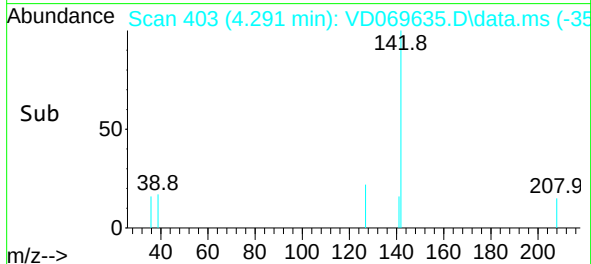


#10
Methyl Iodide
Concen: 4.223 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

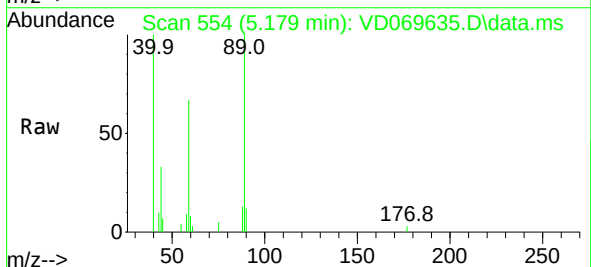
Instrument :
MSVOA_D
ClientSampleId :



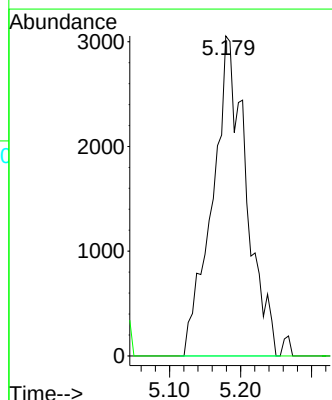
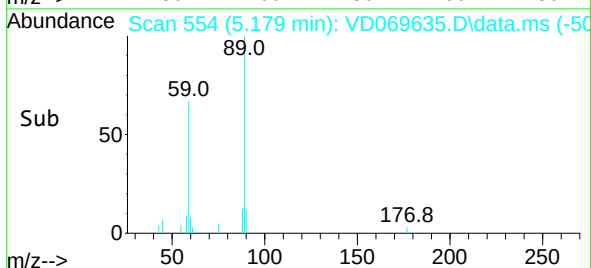
Tgt Ion:142 Resp: 1916
Ion Ratio Lower Upper
142 100
127 21.5 36.5 54.7#
141 3.0 12.0 18.0#

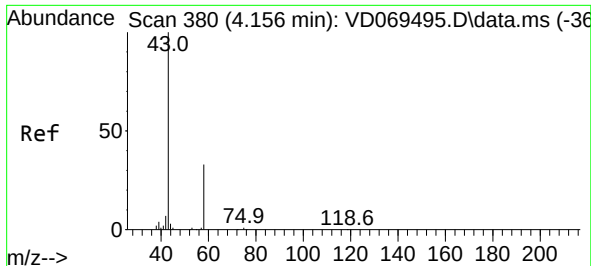


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00



Tgt Ion: 59 Resp: 10135
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

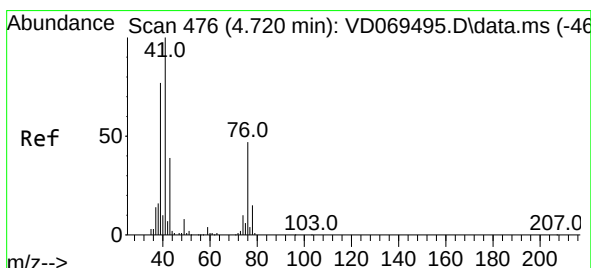
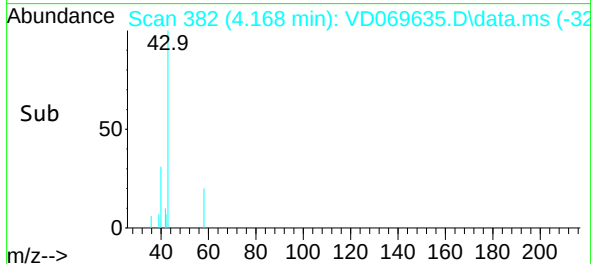
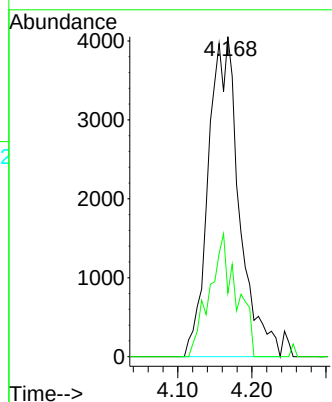
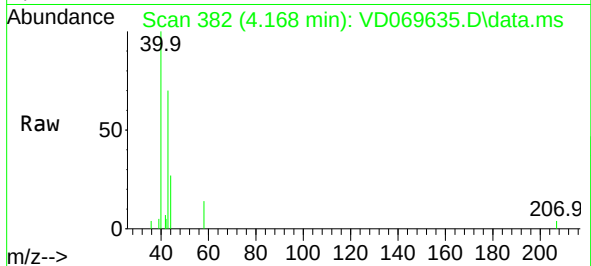




#16
Acetone
Concen: 9.405 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

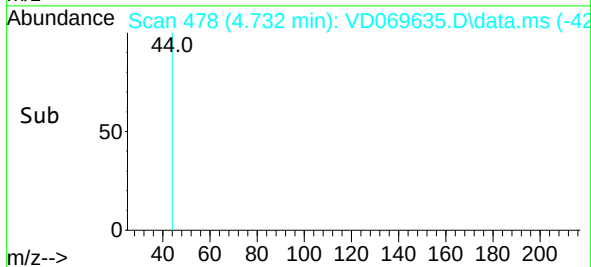
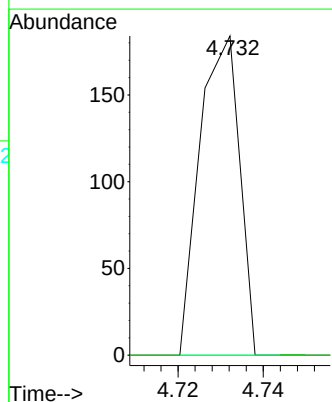
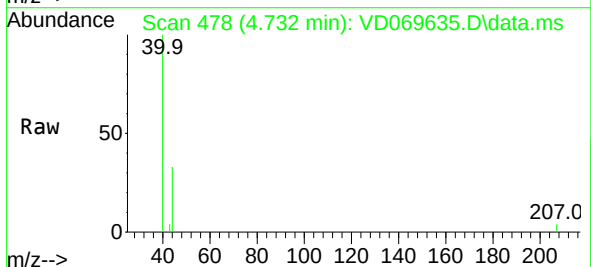
Instrument :
MSVOA_D
ClientSampleId :

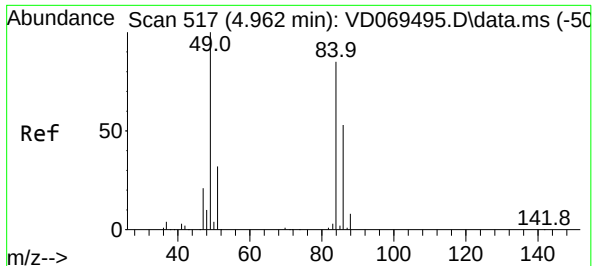
Tgt Ion: 43 Resp: 11768
Ion Ratio Lower Upper
43 100
58 19.8 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

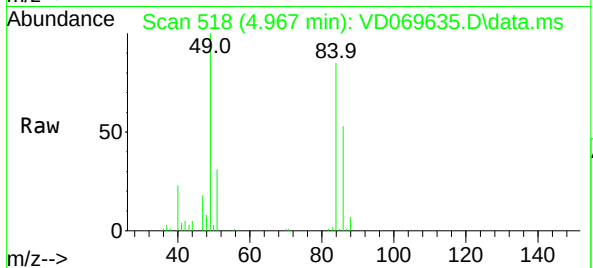
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



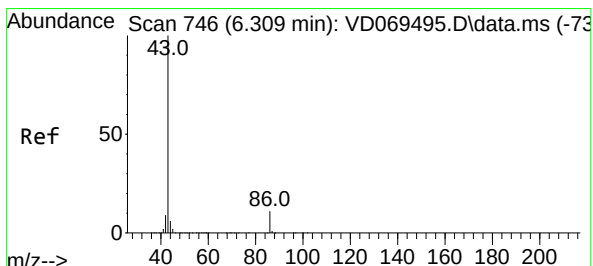
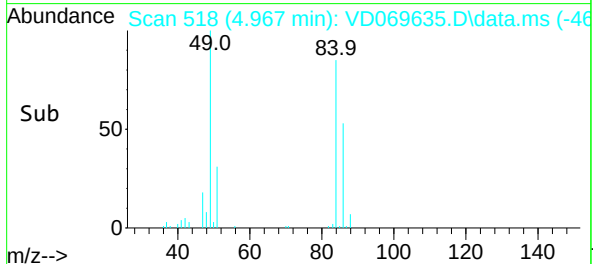
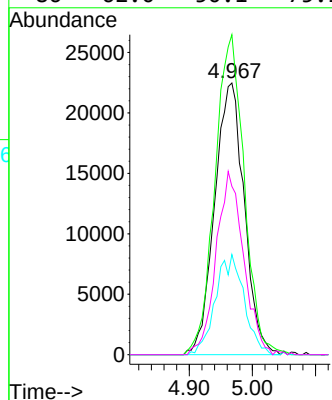


#20
Methylene Chloride
Concen: 3.213 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Instrument :
MSVOA_D
ClientSampleId :

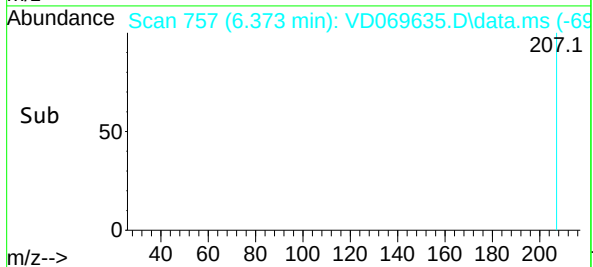
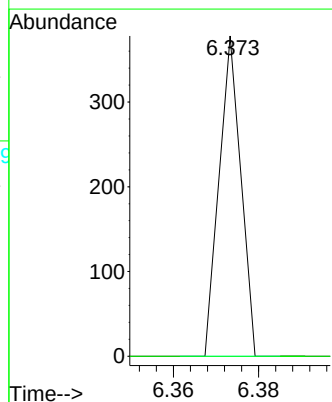
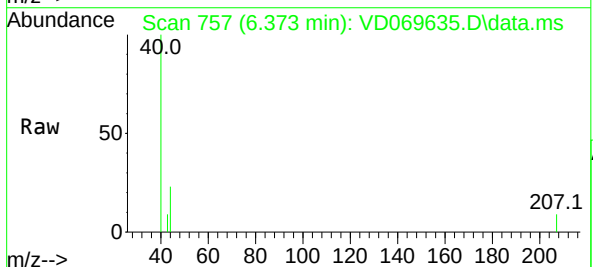


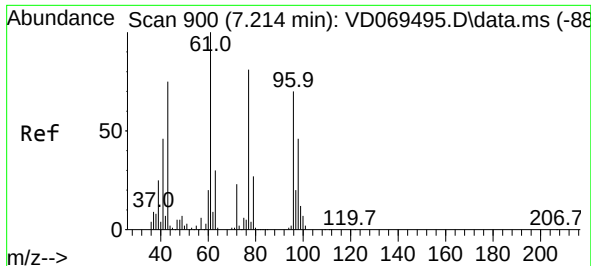
Tgt Ion: 84	Resp: 73132
Ion Ratio	Lower Upper
84 100	
49 117.8	94.0 141.0
51 36.9	29.7 44.5
86 62.0	50.1 75.1



#23
Vinyl Acetate
Concen: 19.022 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.064 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

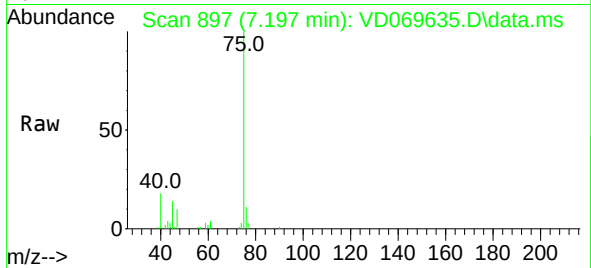
Tgt Ion: 43	Resp: 133		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	9.1	13.7#	



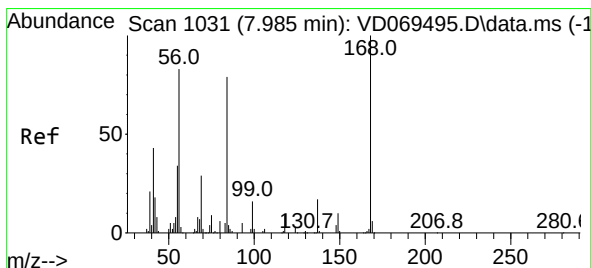
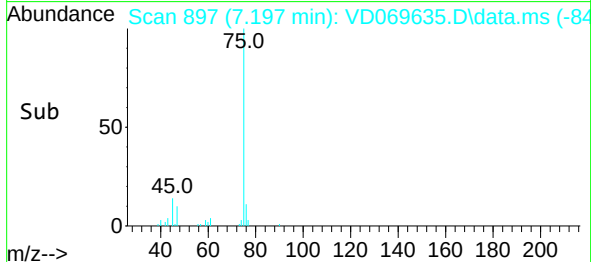
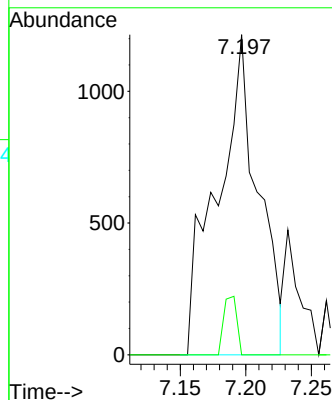


#25
2-Butanone
Concen: 1.659 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Instrument :
MSVOA_D
ClientSampled :

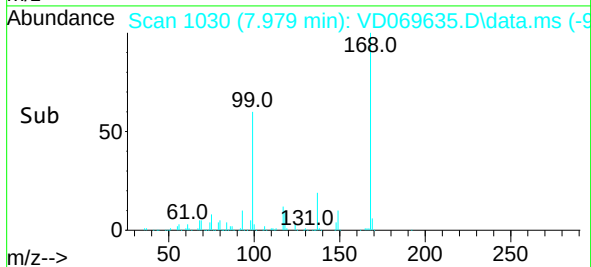
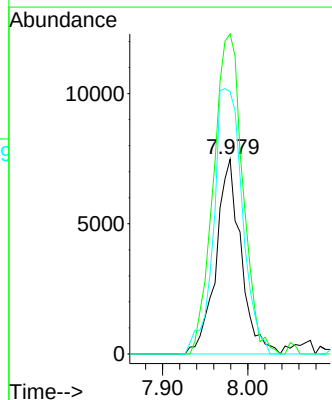
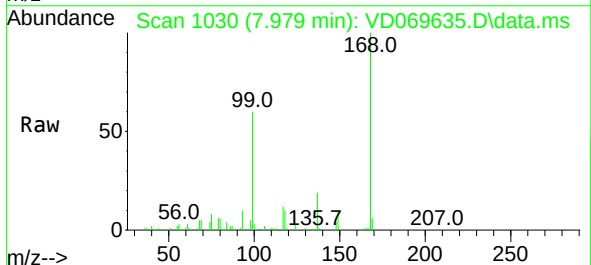


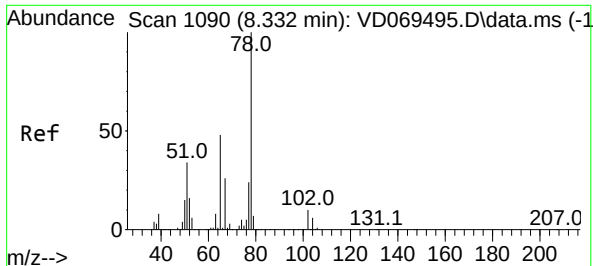
Tgt Ion: 43 Resp: 2637
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.526 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Tgt Ion: 56 Resp: 15277
Ion Ratio Lower Upper
56 100
69 164.4 28.0 42.0#
84 143.0 75.7 113.5#

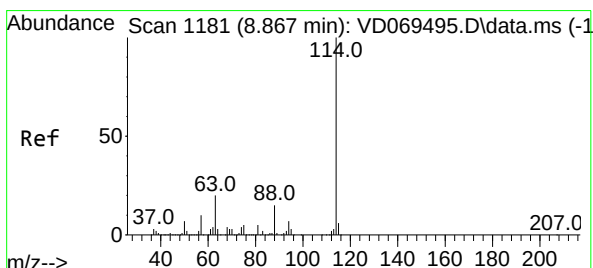
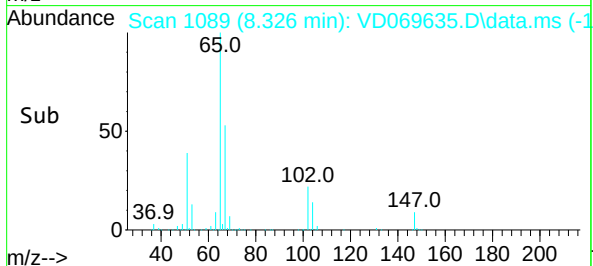
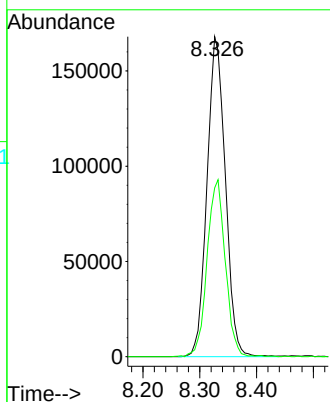
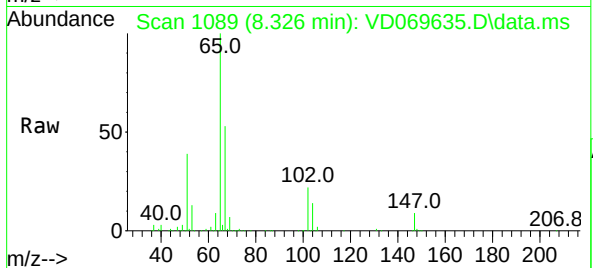




#33
1,2-Dichloroethane-d4
Concen: 50.602 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

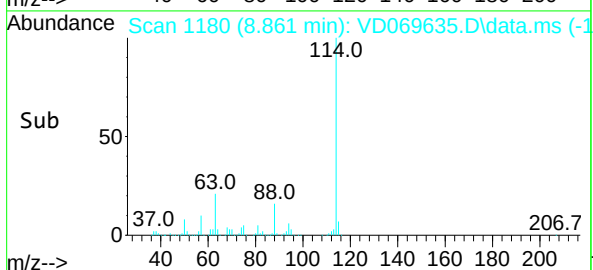
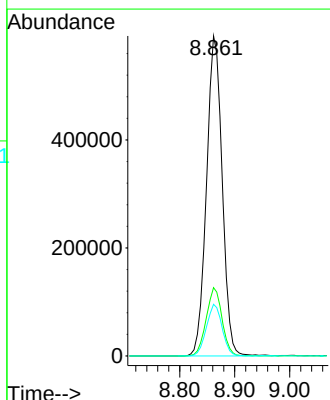
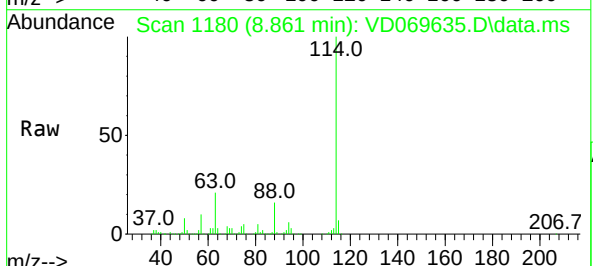
Instrument :
MSVOA_D
ClientSampleId :

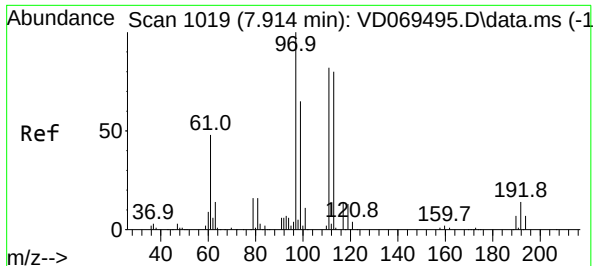
Tgt Ion: 65 Resp: 376151
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Tgt Ion: 114 Resp: 1176532
Ion Ratio Lower Upper
114 100
63 21.4 0.0 39.6
88 16.1 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.226 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069635.D

Acq: 08 Jul 2021 18:00

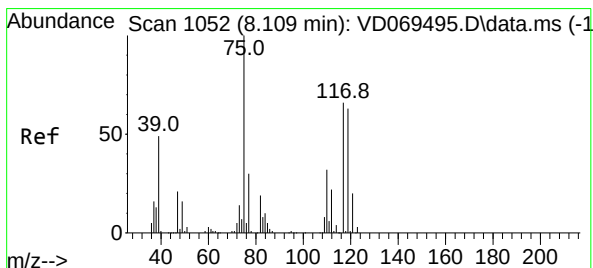
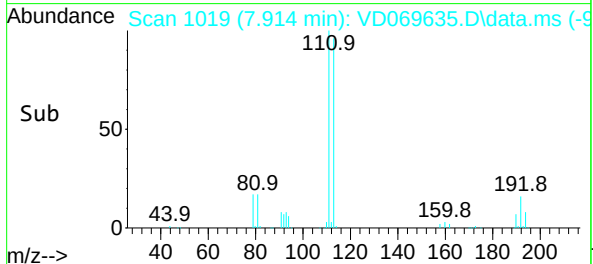
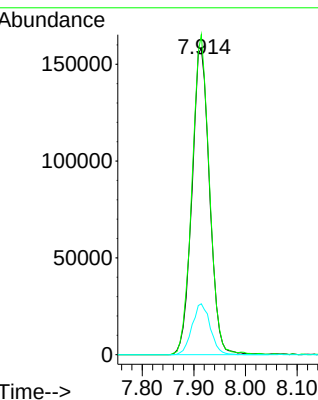
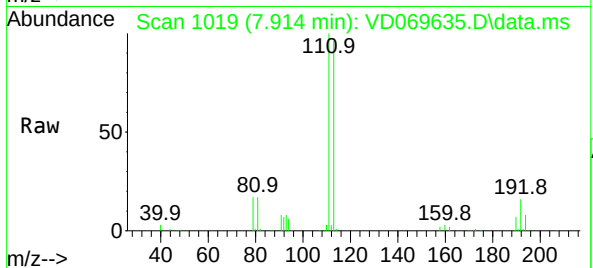
Tgt Ion:113 Resp: 375593

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

192 17.1 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069635.D

Acq: 08 Jul 2021 18:00

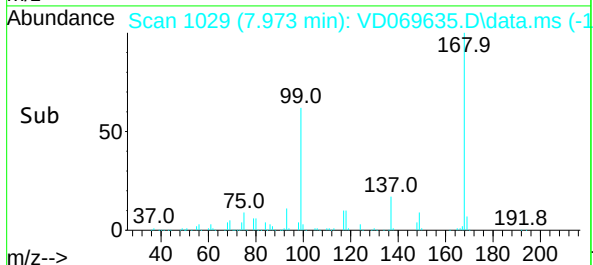
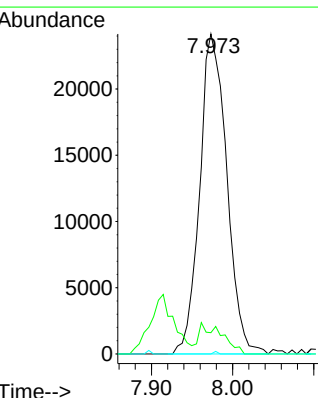
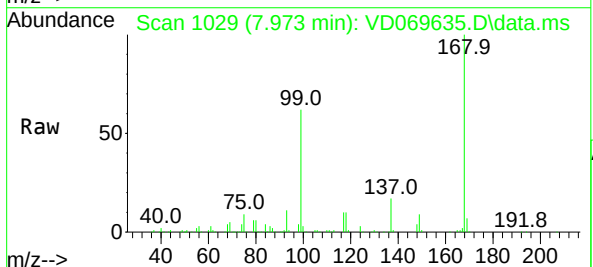
Tgt Ion: 75 Resp: 55944

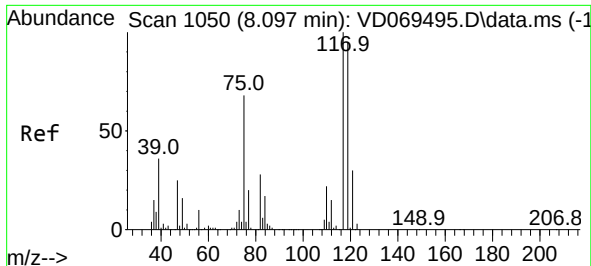
Ion Ratio Lower Upper

75 100

110 2.5 16.8 50.4#

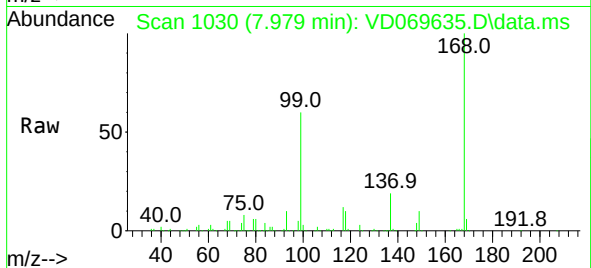
77 0.1 24.3 36.5#



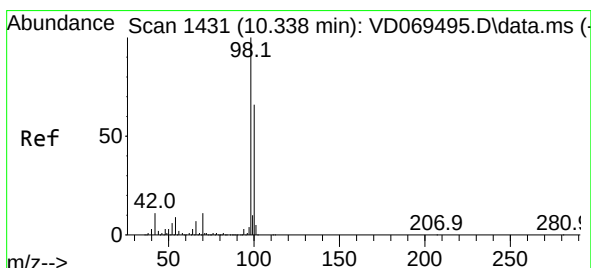
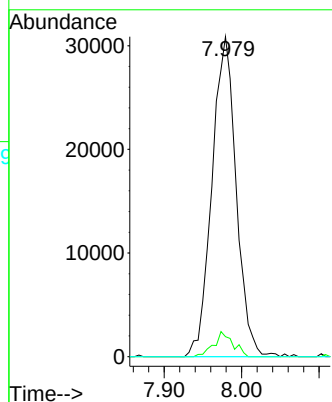
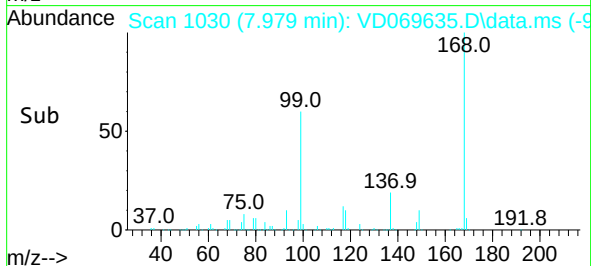


#38
Carbon Tetrachloride
Concen: 5.877 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

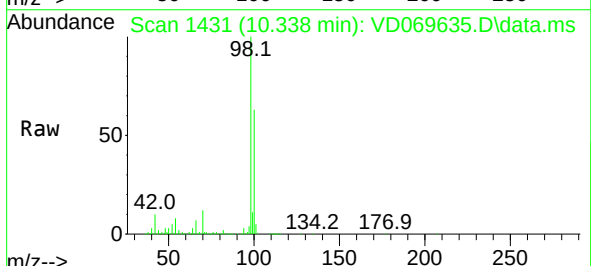
Instrument :
MSVOA_D
ClientSampleId :



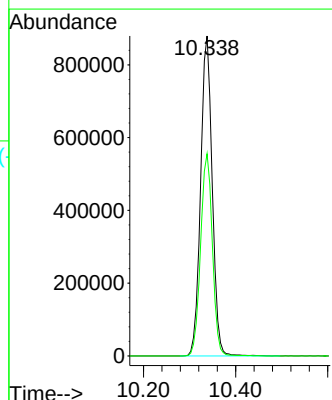
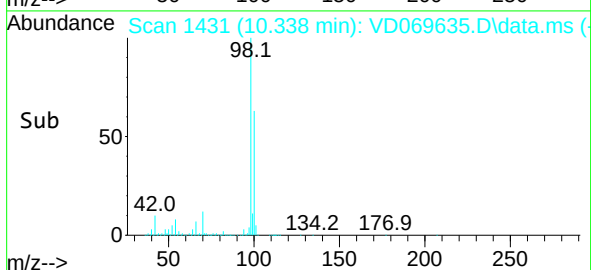
Tgt Ion:117 Resp: 67163
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 23.8 35.8#

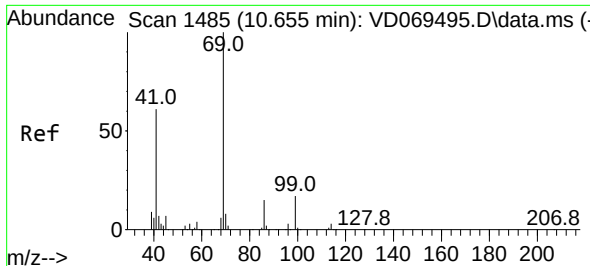


#50
Toluene-d8
Concen: 51.676 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00



Tgt Ion: 98 Resp: 1541574
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

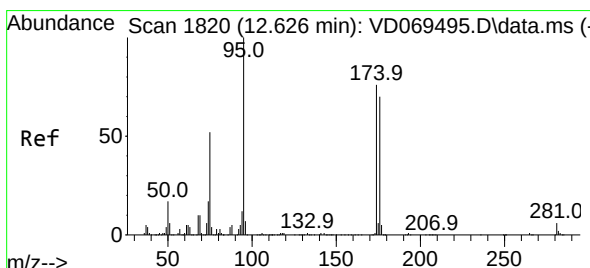
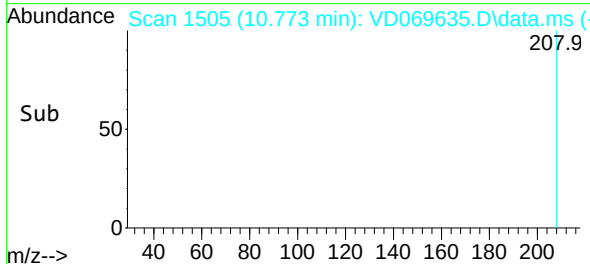
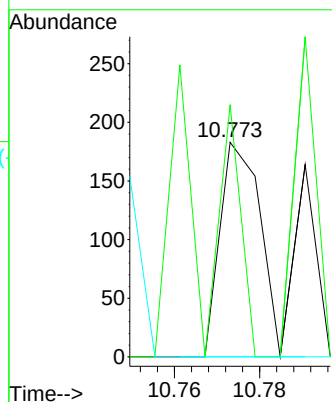
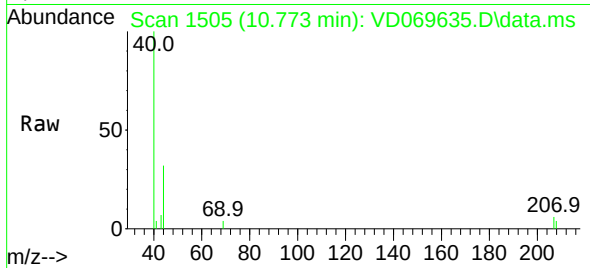




#56
Ethyl methacrylate
Concen: 2.596 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. 0.118 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

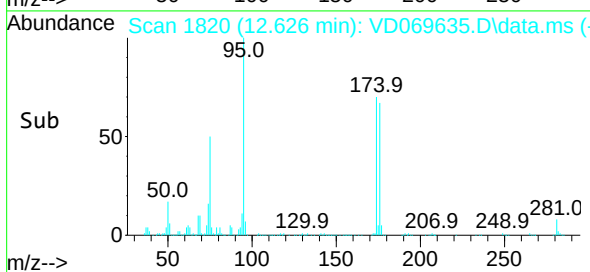
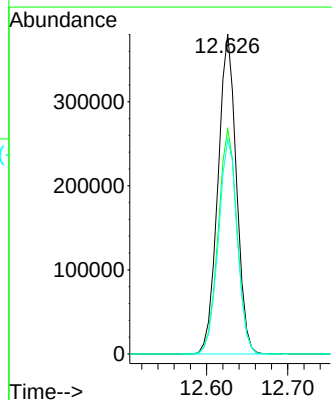
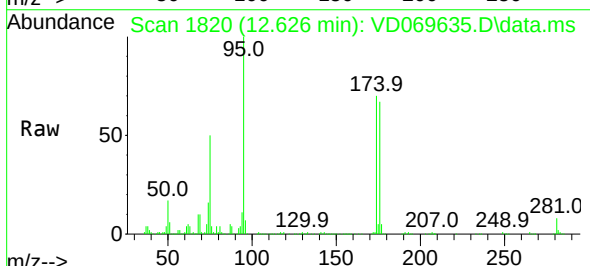
Instrument :
MSVOA_D
ClientSampled :

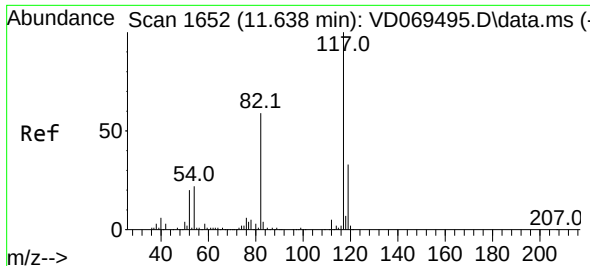
Tgt Ion: 69 Resp: 119
Ion Ratio Lower Upper
69 100
41 137.8 49.4 74.0#
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 61.302 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Tgt Ion: 95 Resp: 601206
Ion Ratio Lower Upper
95 100
174 72.1 0.0 148.0
176 68.9 0.0 139.8

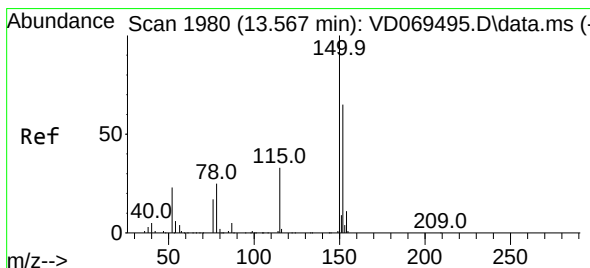
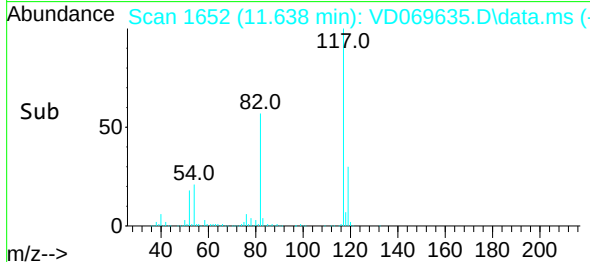
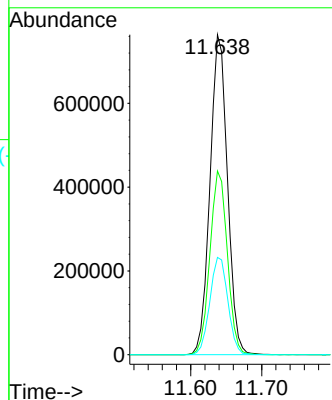
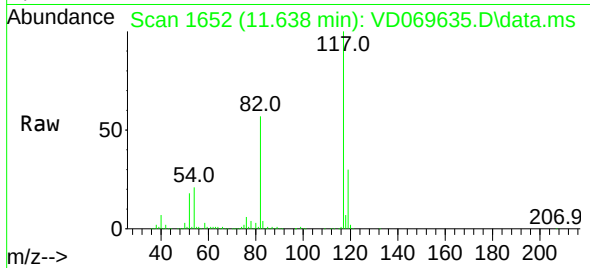




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

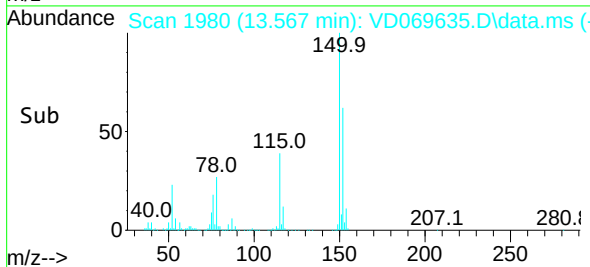
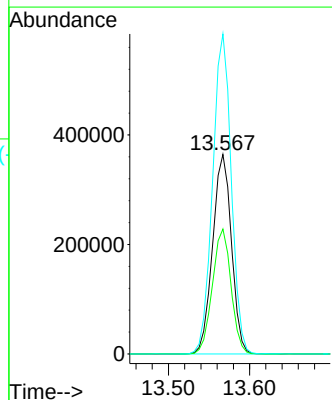
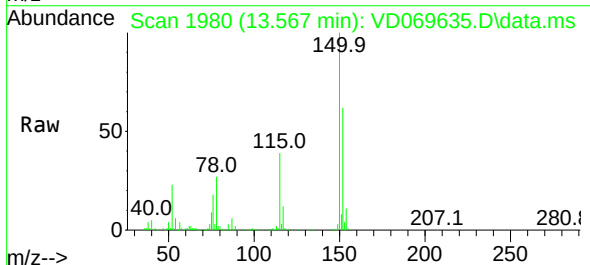
Instrument :
MSVOA_D
ClientSampleId :

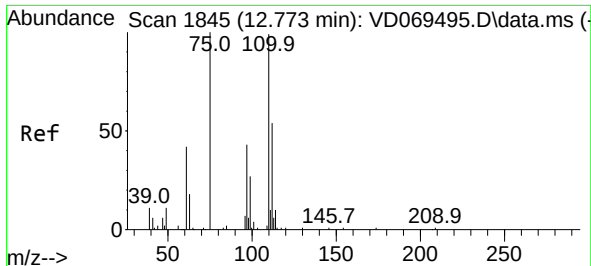
Tgt Ion:117 Resp: 1301636
Ion Ratio Lower Upper
117 100
82 57.4 46.8 70.2
119 30.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Tgt Ion:152 Resp: 587457
Ion Ratio Lower Upper
152 100
115 62.0 31.7 95.1
150 158.6 0.0 350.8

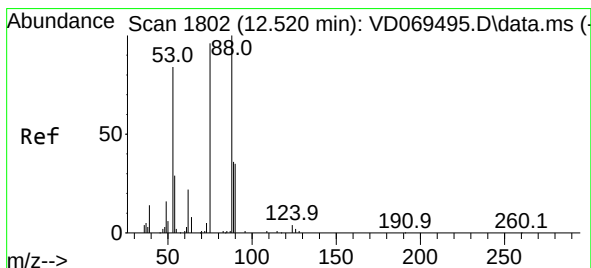
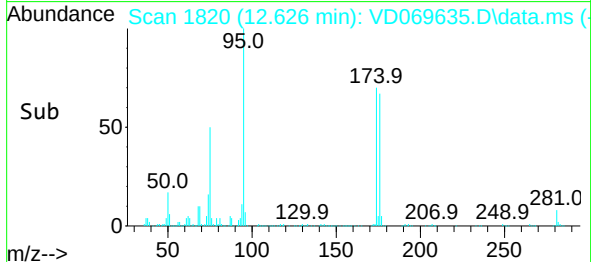
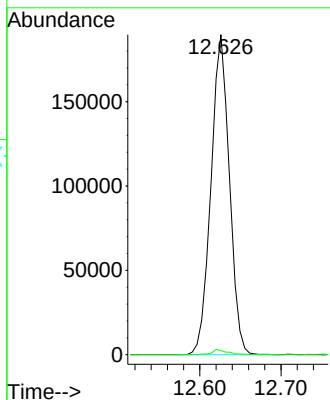
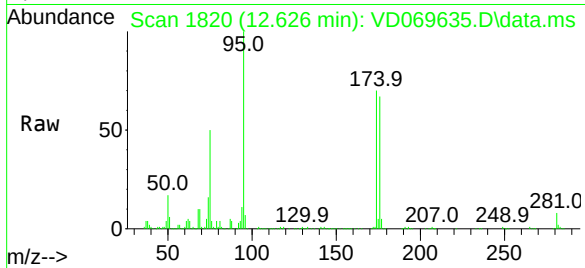




#76
1,2,3-Trichloropropane
Concen: 51.804 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

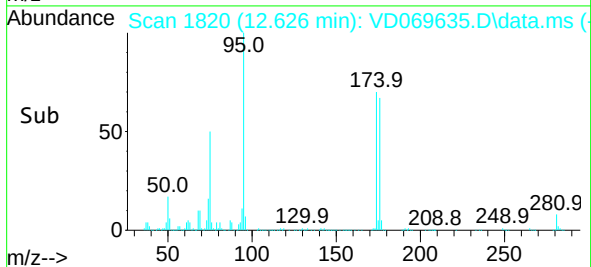
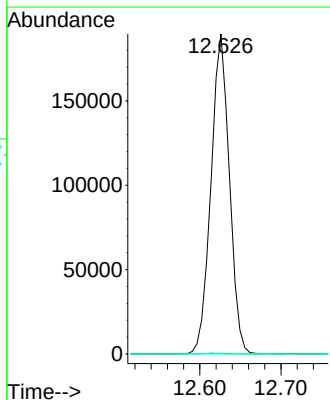
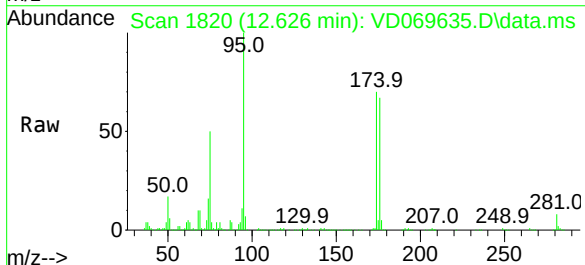
Instrument :
MSVOA_D
ClientSampleId :

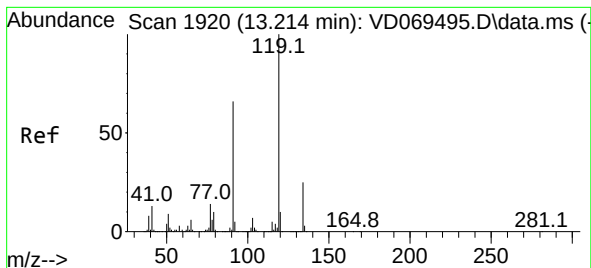
Tgt Ion: 75 Resp: 298734
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.347 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Tgt Ion: 75 Resp: 298734
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.1 35.3 52.9#

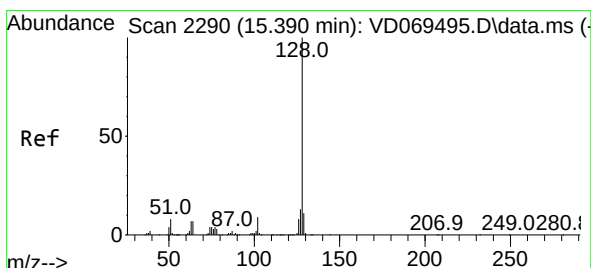
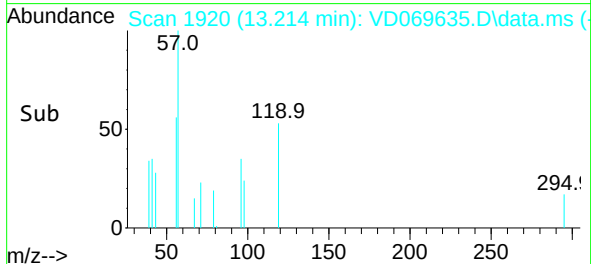
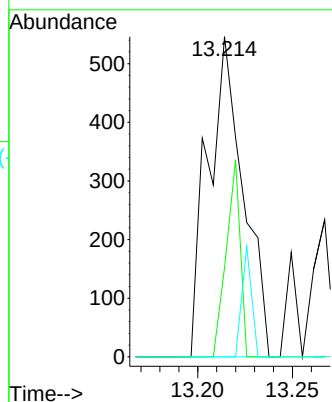
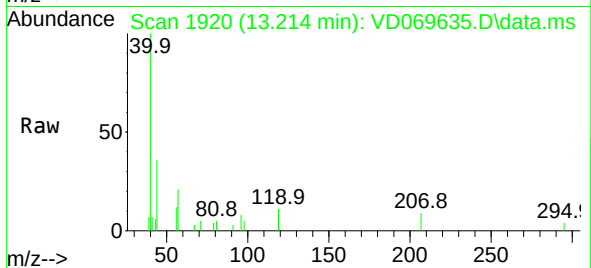




#83
tert-Butylbenzene
Concen: 2.015 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 712
Ion Ratio Lower Upper
119 100
91 24.2 32.5 97.4#
134 9.3 12.9 38.7#



#95
Naphthalene
Concen: 3.378 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069635.D
Acq: 08 Jul 2021 18:00

Tgt Ion:128 Resp: 464
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

