

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069617.D
 Acq On : 07 Jul 2021 19:23
 Operator : VA/SY
 Sample : M2946-04
 Misc : 6.66G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:09:26 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)

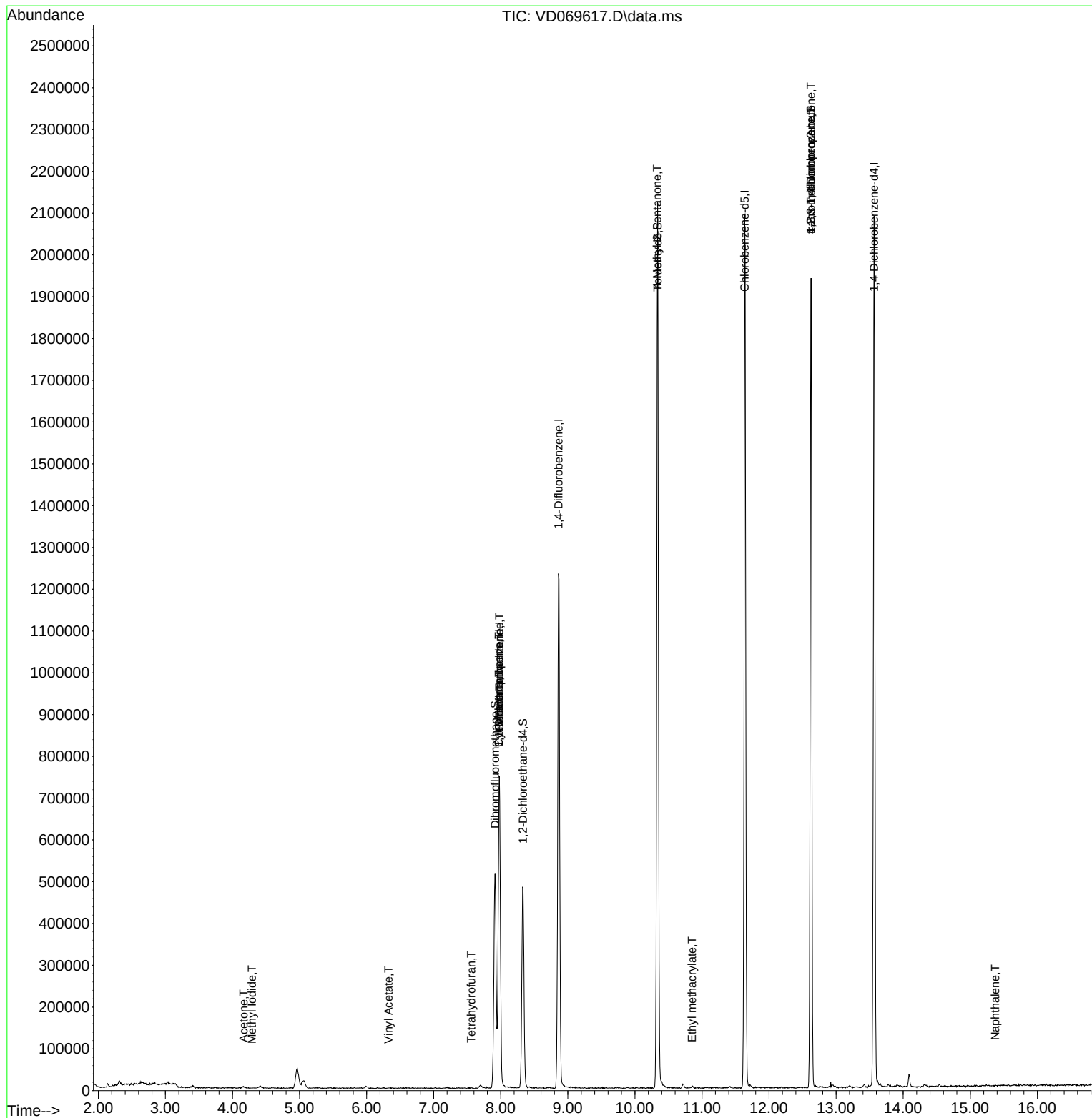
Internal Standards						
1) Pentafluorobenzene	7.979	168	512401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1057557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1167243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	529985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	385588	60.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.740%			
35) Dibromofluoromethane	7.914	113	377664	52.828	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.660%			
50) Toluene-d8	10.338	98	1413162	52.700	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.400%			
62) 4-Bromofluorobenzene	12.626	95	552382	62.660	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 125.320%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	299	Below Cal	#	63
10) Methyl Iodide	4.291	142	63	3.951	ug/l #	39
11) Tert butyl alcohol	5.226	59	1225	Below Cal	#	83
16) Acetone	4.167	43	4512	4.197	ug/l	90
18) Methyl Acetate	4.726	43	65	Below Cal	#	49
20) Methylene Chloride	4.967	84	39295	Below Cal		88
23) Vinyl Acetate	6.326	43	74	19.018	ug/l #	70
29) Tetrahydrofuran	7.561	42	804	1.074	ug/l #	31
31) Cyclohexane	7.973	56	12736	1.481	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	47241	4.551	ug/l #	50
38) Carbon Tetrachloride	7.979	117	56409	5.491	ug/l #	19
51) 4-Methyl-2-Pentanone	10.332	43	5402	1.468	ug/l #	1
56) Ethyl methacrylate	10.849	69	431	2.642	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	279870	53.795	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	279870	134.320	ug/l #	13
95) Naphthalene	15.373	128	255	3.369	ug/l #	69

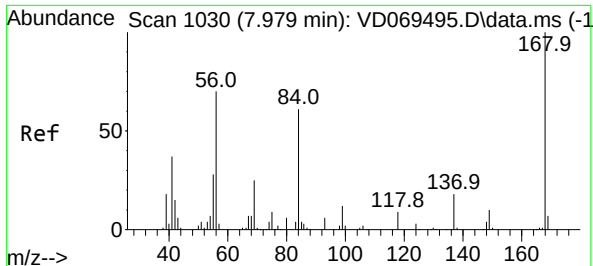
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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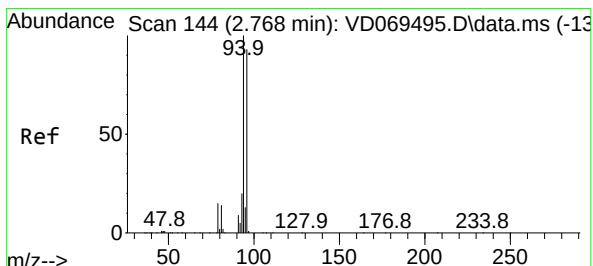
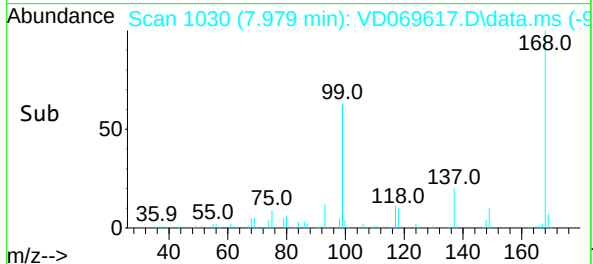
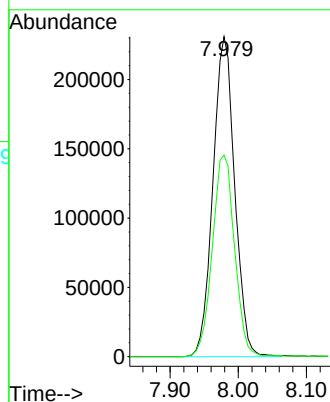
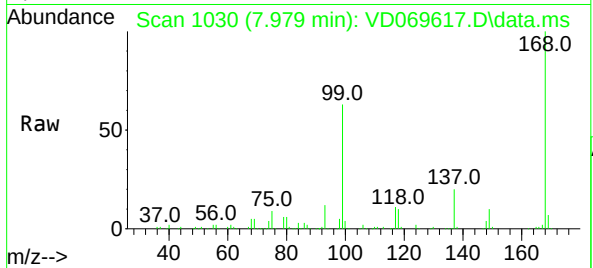




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

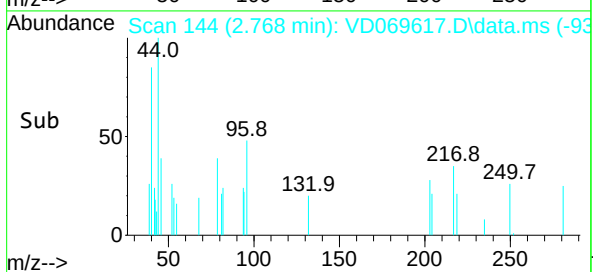
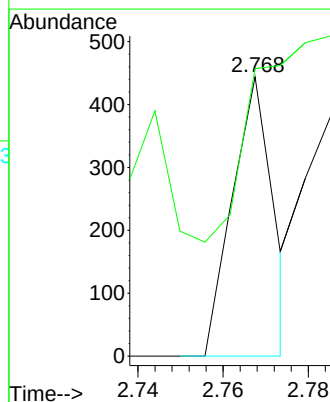
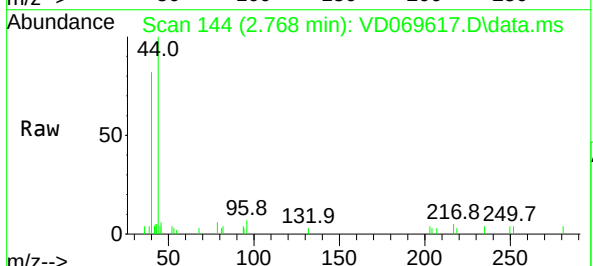
Instrument :
MSVOA_D
ClientSampleId :

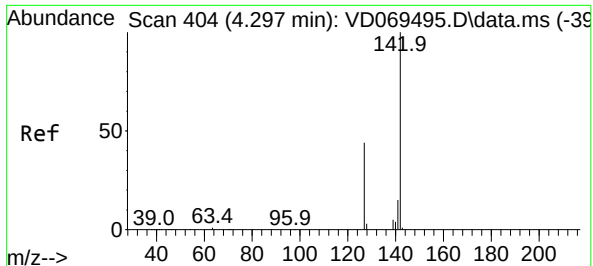
Tgt Ion:168 Resp: 512401
Ion Ratio Lower Upper
168 100
99 63.0 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

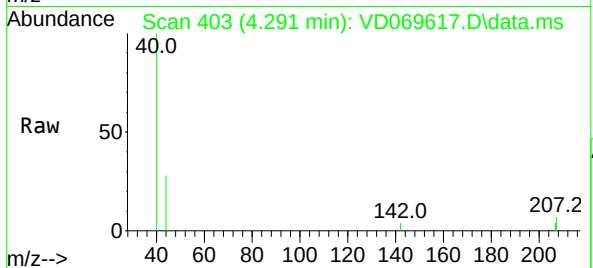
Tgt Ion: 94 Resp: 299
Ion Ratio Lower Upper
94 100
96 58.1 74.6 111.8#



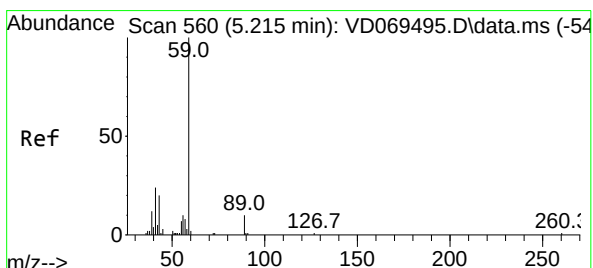
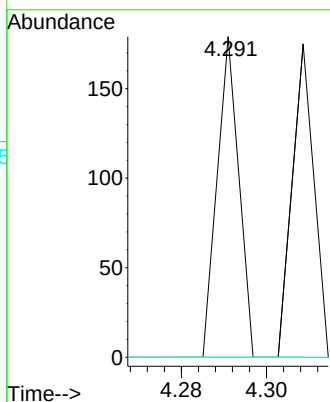
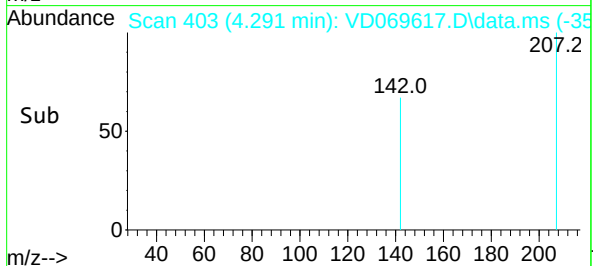


#10
Methyl Iodide
Concen: 3.951 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

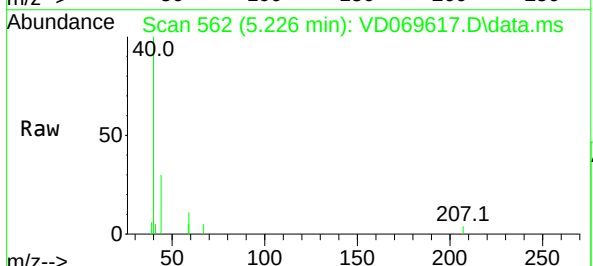
Instrument :
MSVOA_D
ClientSampleId :



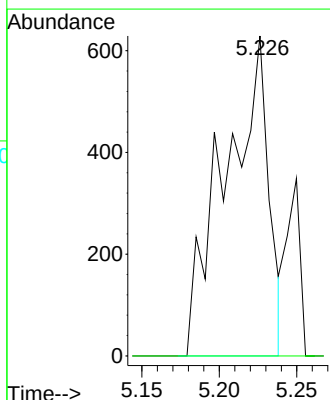
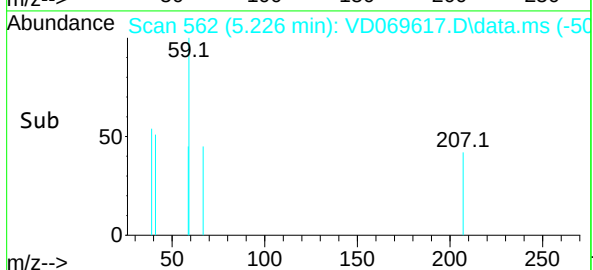
Tgt Ion:142 Resp: 63
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

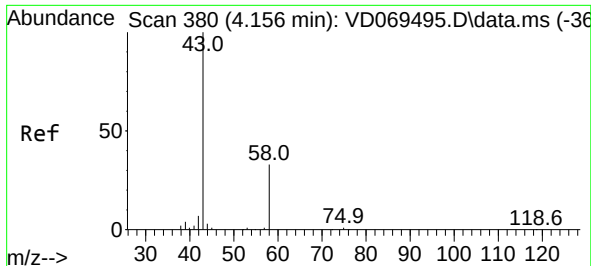


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23



Tgt Ion: 59 Resp: 1225
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

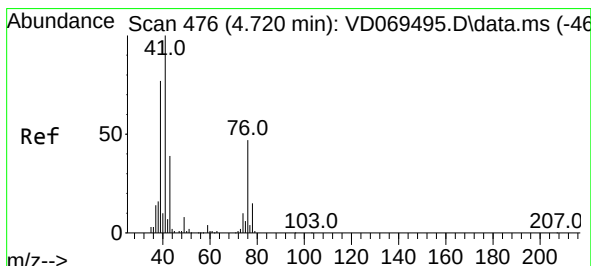
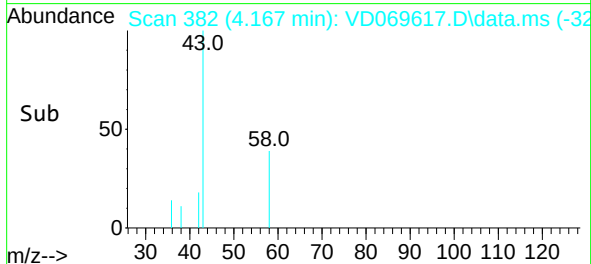
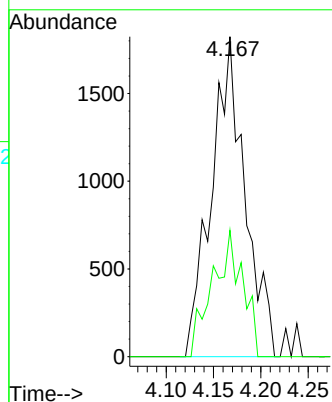
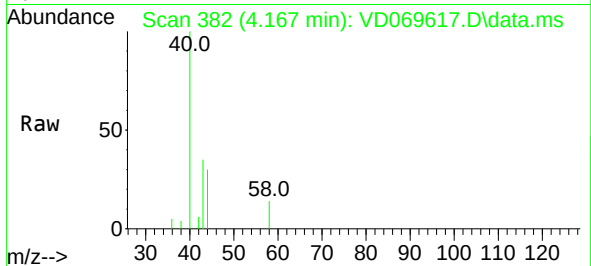




#16
Acetone
Concen: 4.197 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

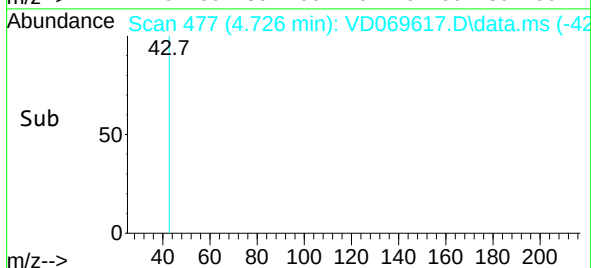
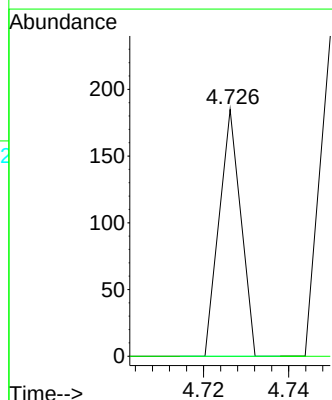
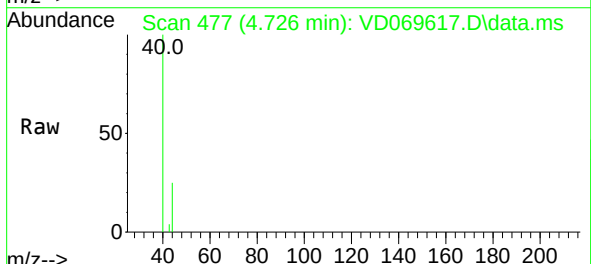
Instrument :
MSVOA_D
ClientSampled :

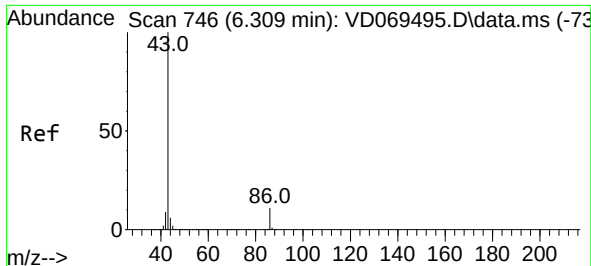
Tgt Ion: 43 Resp: 4512
Ion Ratio Lower Upper
43 100
58 39.5 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

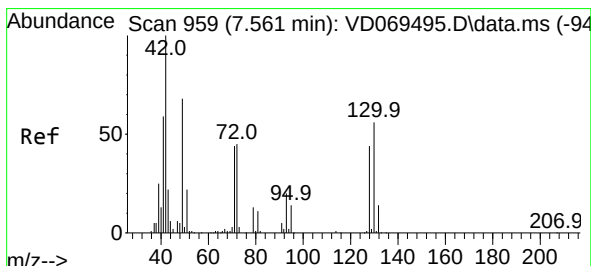
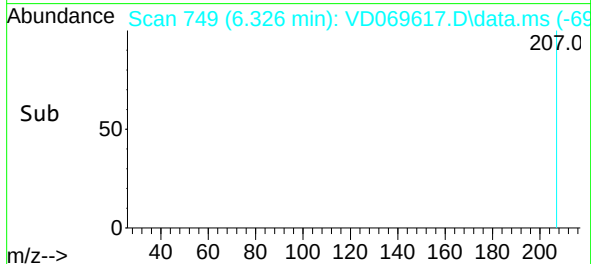
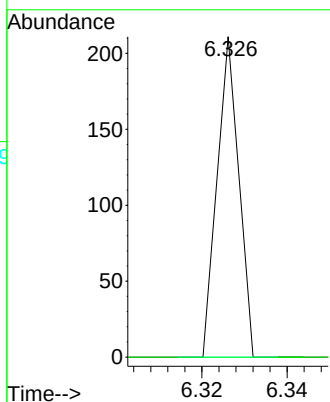
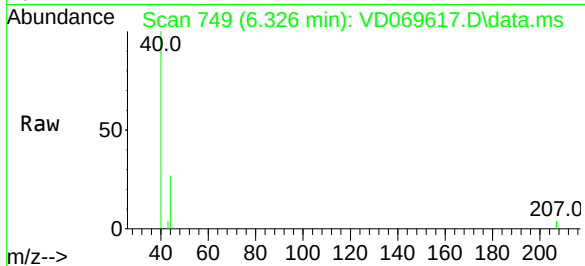




#23
 Vinyl Acetate
 Concen: 19.018 ug/l
 RT: 6.326 min Scan# 749
 Delta R.T. 0.017 min
 Lab File: VD069617.D
 Acq: 07 Jul 2021 19:23

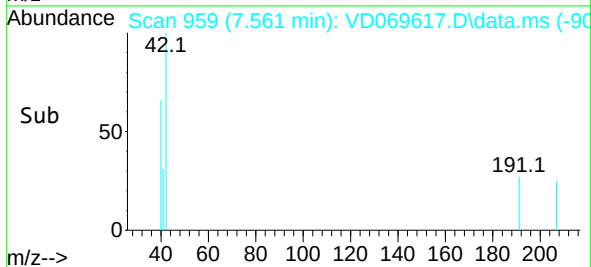
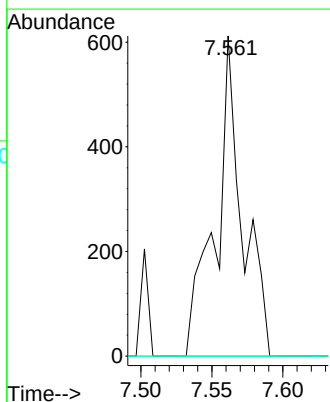
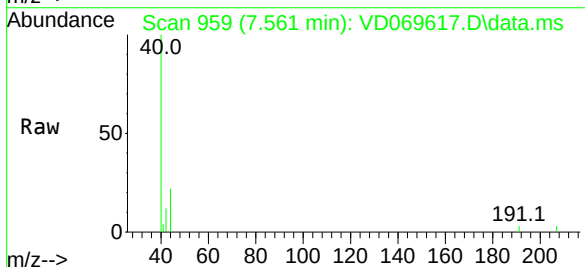
Instrument :
 MSVOA_D
 ClientSampleId :

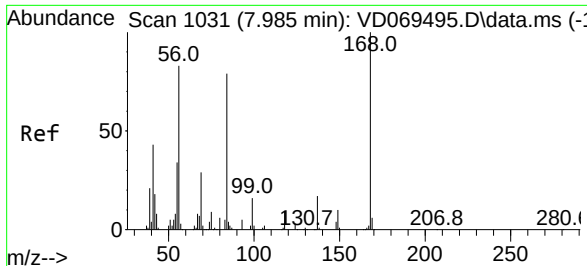
Tgt Ion: 43 Resp: 74
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#29
 Tetrahydrofuran
 Concen: 1.074 ug/l
 RT: 7.561 min Scan# 959
 Delta R.T. -0.000 min
 Lab File: VD069617.D
 Acq: 07 Jul 2021 19:23

Tgt Ion: 42 Resp: 804
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.9 56.9#
 71 0.0 35.1 52.7#

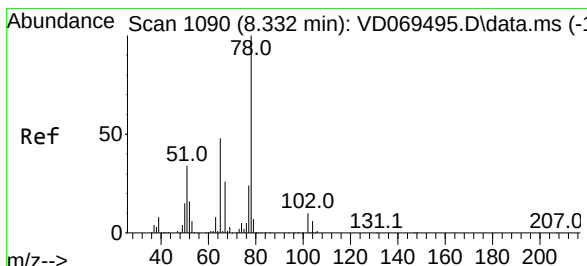
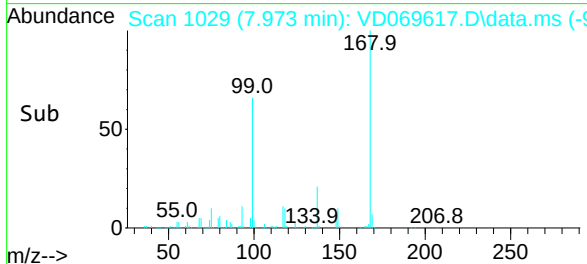
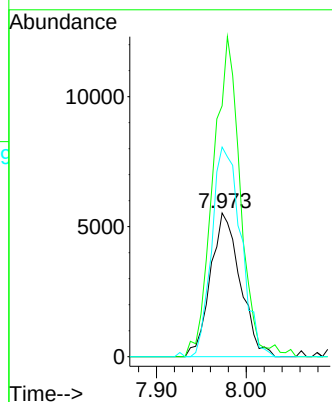
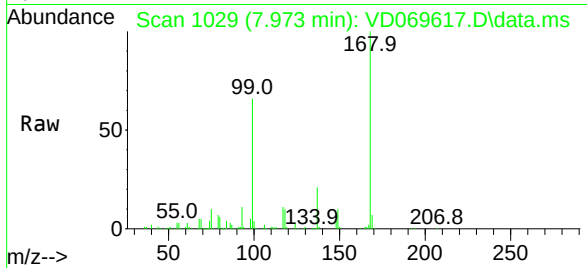




#31
Cyclohexane
Concen: 1.481 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

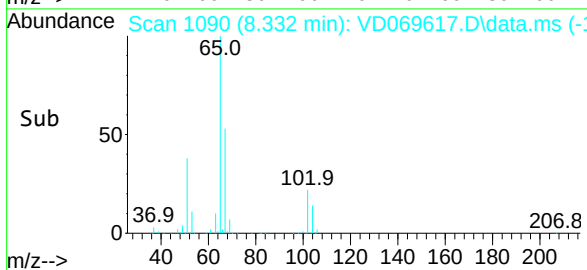
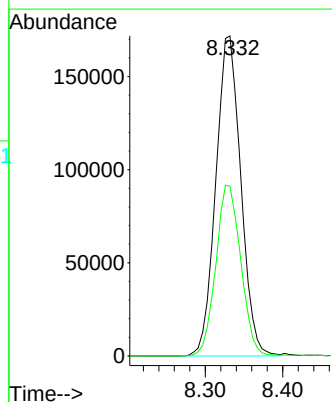
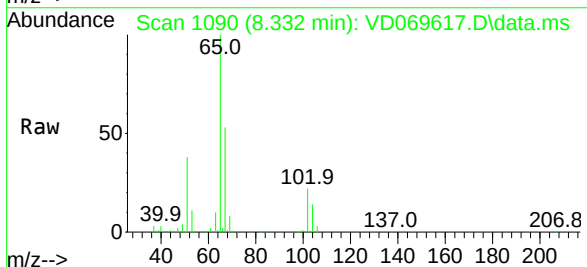
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MSVOA_D
ClientSampleId :

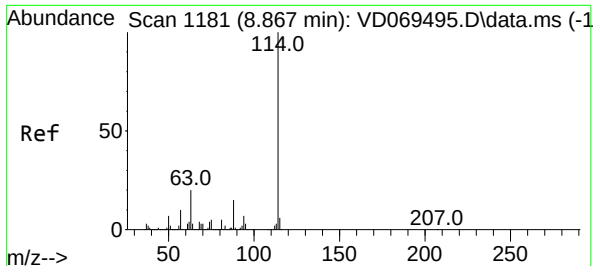
Tgt Ion: 56 Resp: 12736
Ion Ratio Lower Upper
56 100
69 174.6 28.0 42.0#
84 145.9 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 60.371 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion: 65 Resp: 385588
Ion Ratio Lower Upper
65 100
67 53.3 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: VD069617.D

Acq: 07 Jul 2021 19:23

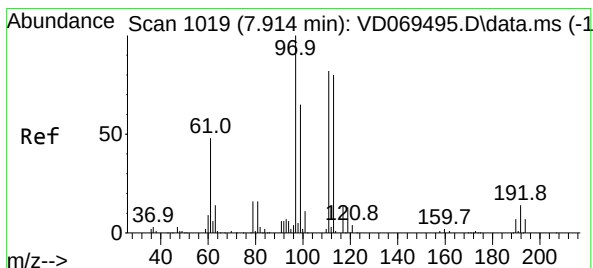
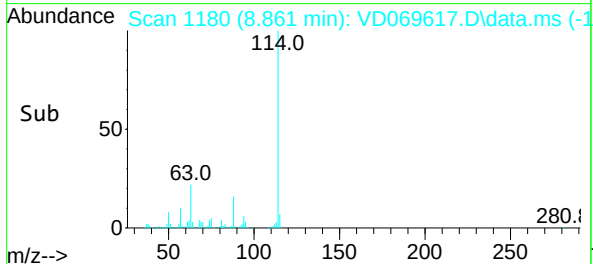
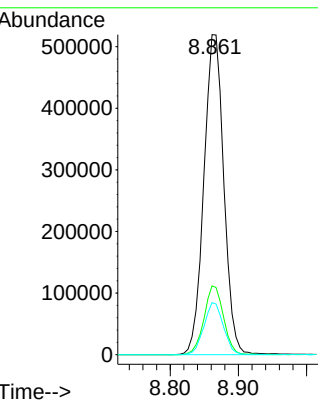
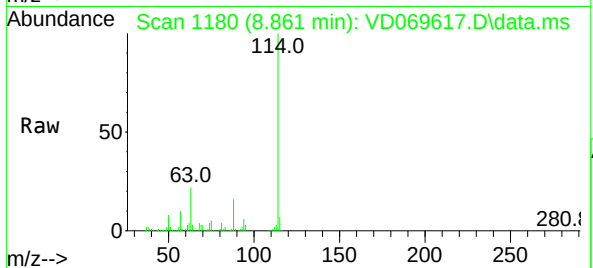
Tgt Ion:114 Resp: 1057557

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.6

88 16.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.828 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069617.D

Acq: 07 Jul 2021 19:23

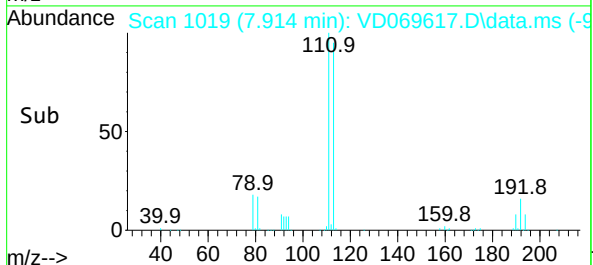
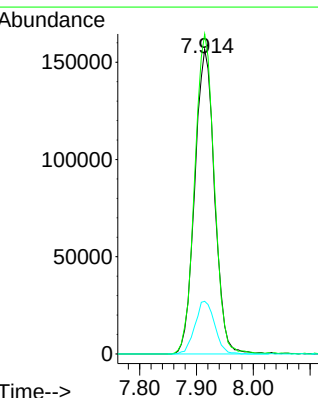
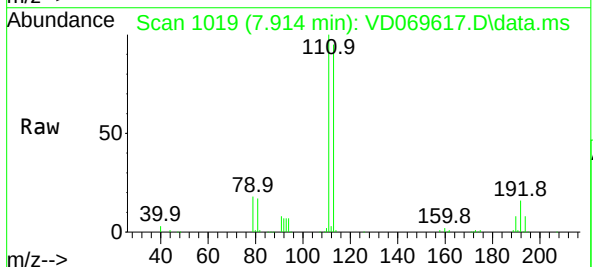
Tgt Ion:113 Resp: 377664

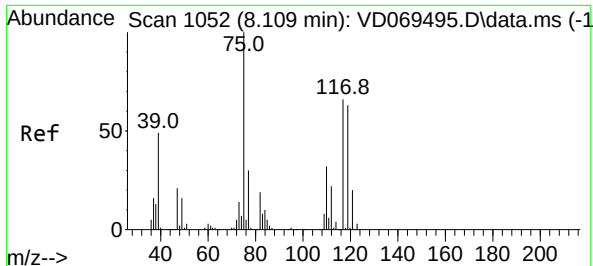
Ion Ratio Lower Upper

113 100

111 103.7 81.8 122.8

192 17.3 13.8 20.6

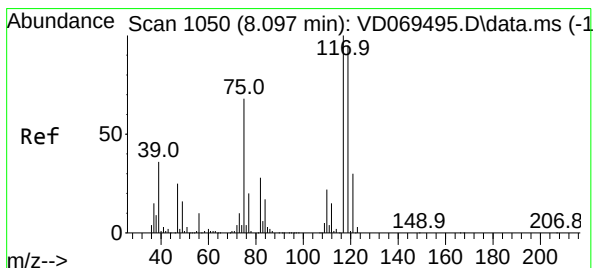
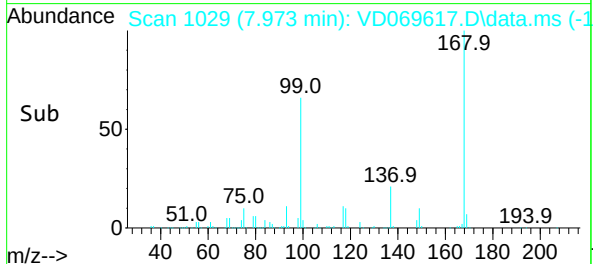
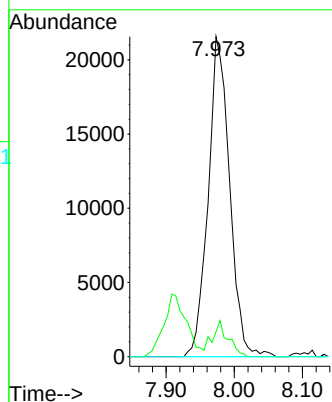
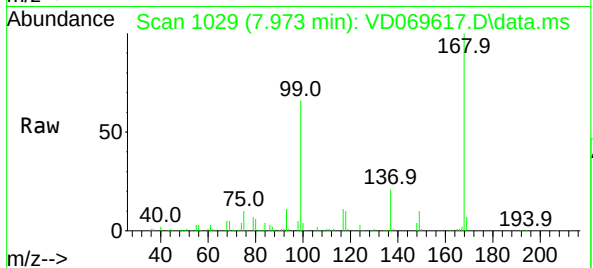




#36
1,1-Dichloropropene
Concen: 4.551 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

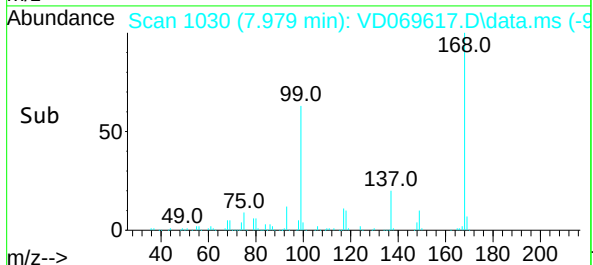
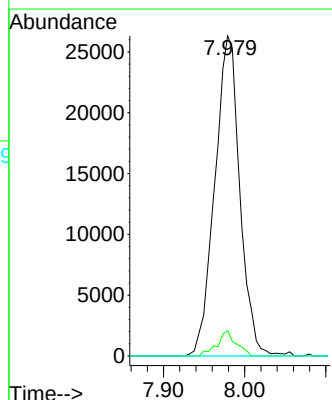
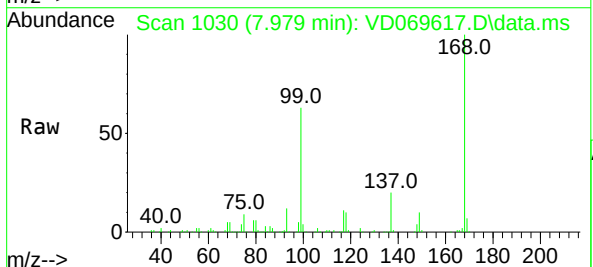
Instrument :
MSVOA_D
ClientSampleId :

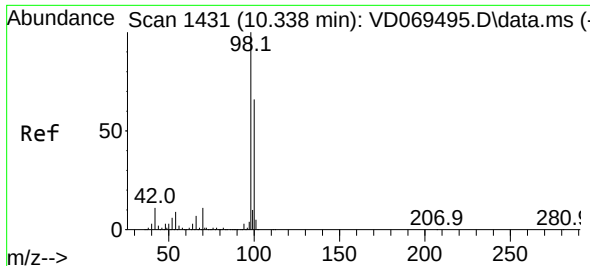
Tgt Ion: 75 Resp: 47241
Ion Ratio Lower Upper
75 100
110 8.2 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.491 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion: 117 Resp: 56409
Ion Ratio Lower Upper
117 100
119 7.8 75.6 113.4#
121 0.0 23.8 35.8#

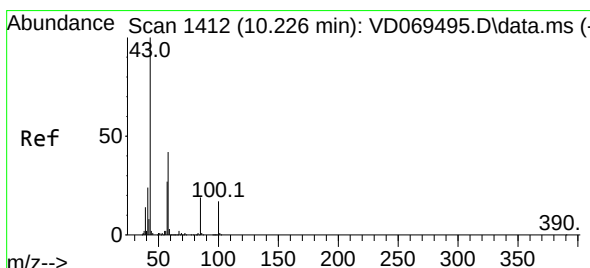
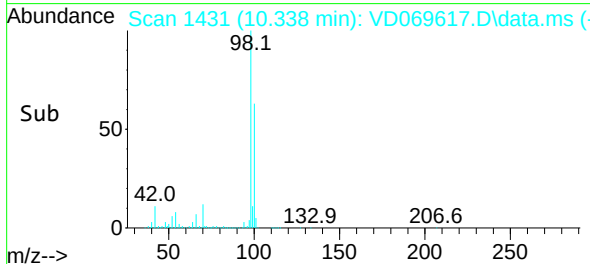
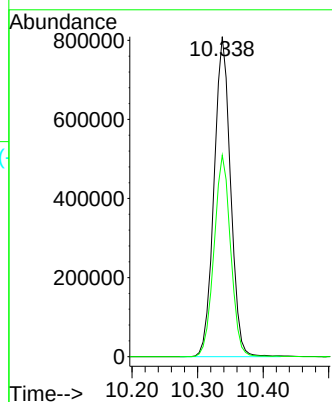
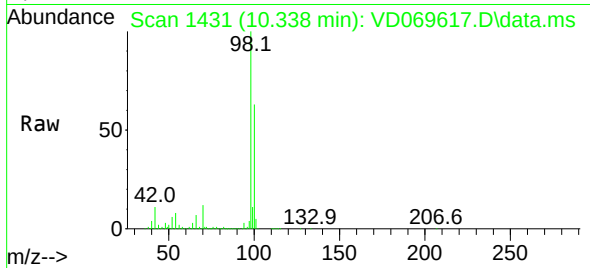




#50
Toluene-d8
Concen: 52.700 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

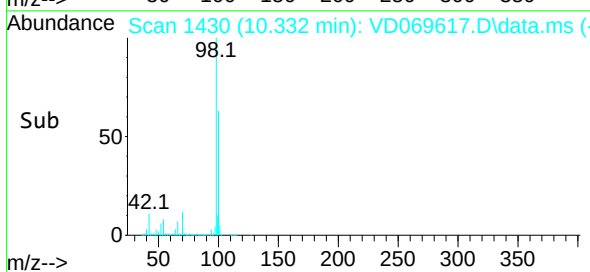
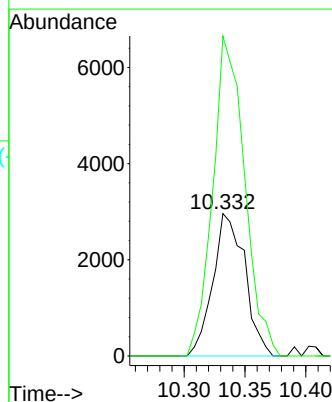
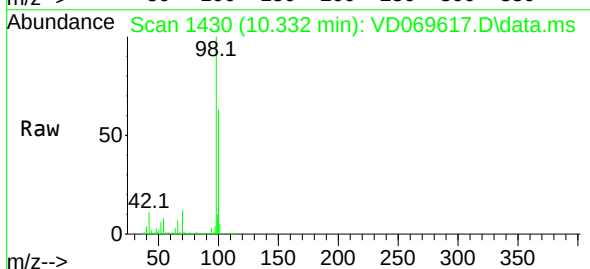
Instrument :
MSVOA_D
ClientSampled :

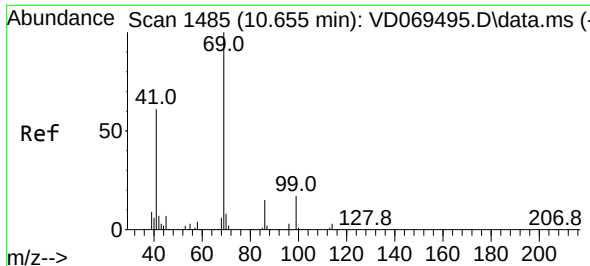
Tgt Ion: 98 Resp: 1413162
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.468 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion: 43 Resp: 5402
Ion Ratio Lower Upper
43 100
58 224.3 33.6 50.4#

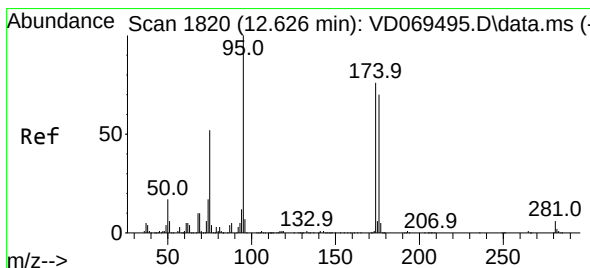
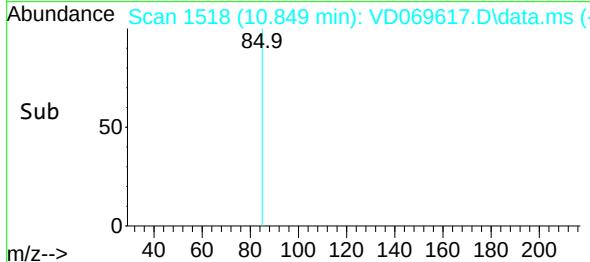
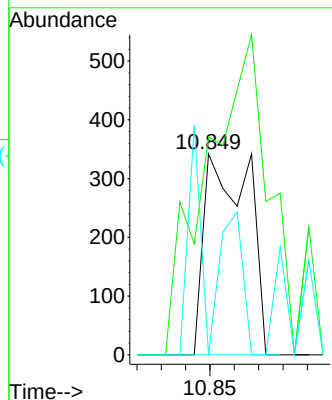
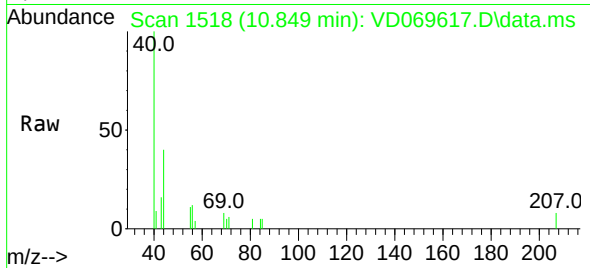




#56
Ethyl methacrylate
Concen: 2.642 ug/l
RT: 10.849 min Scan# 1518
Delta R.T. 0.194 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

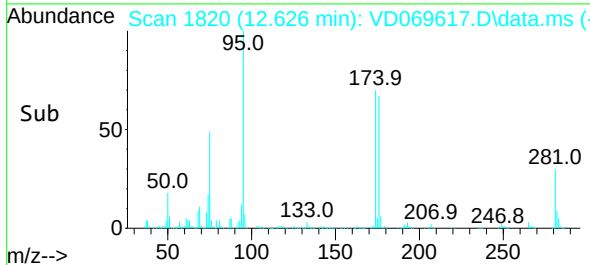
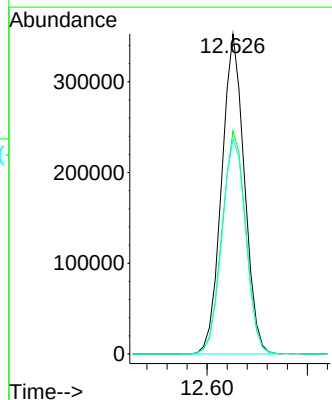
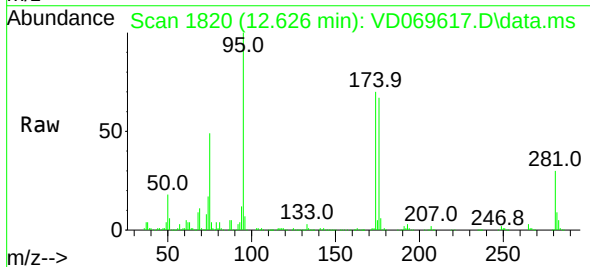
Instrument :
MSVOA_D
ClientSampleId :

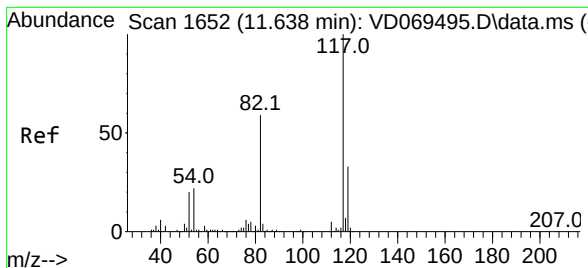
Tgt Ion: 69 Resp: 431
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 32.0 26.9 40.3



#62
4-Bromofluorobenzene
Concen: 62.660 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion: 95 Resp: 552382
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.0
176 71.0 0.0 139.8

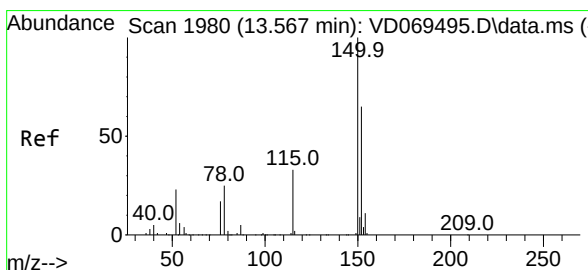
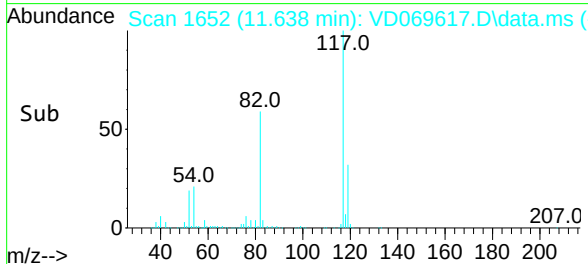
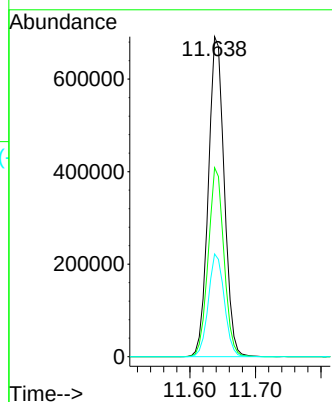
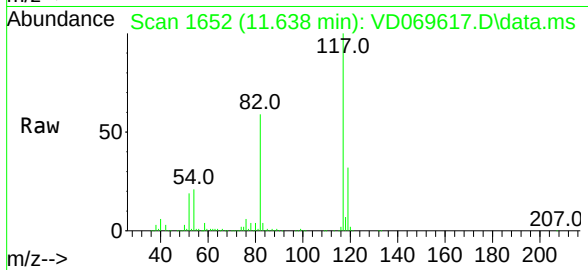




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

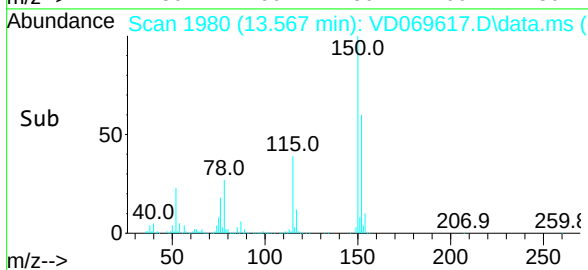
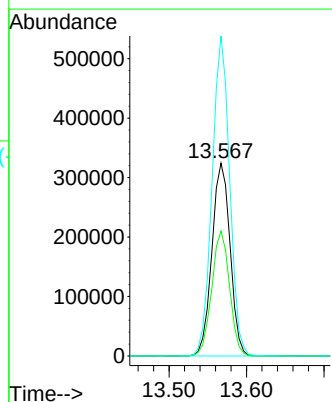
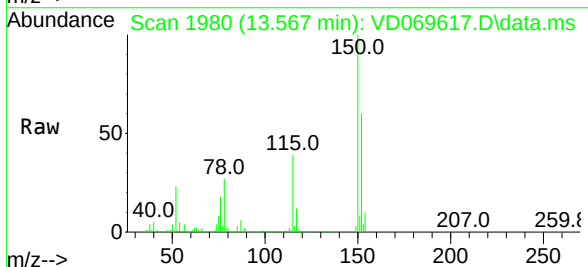
Instrument :
MSVOA_D
ClientSampleId :

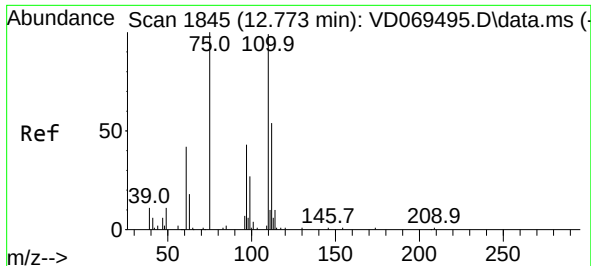
Tgt Ion:117 Resp: 1167243
Ion Ratio Lower Upper
117 100
82 59.1 46.8 70.2
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion:152 Resp: 529985
Ion Ratio Lower Upper
152 100
115 63.3 31.7 95.1
150 160.1 0.0 350.8

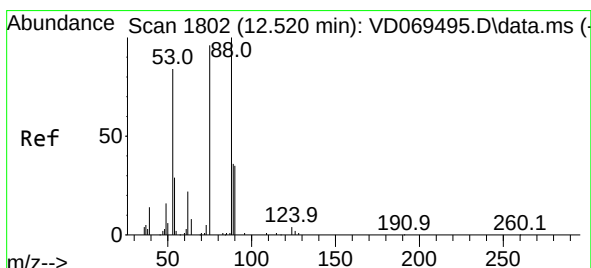
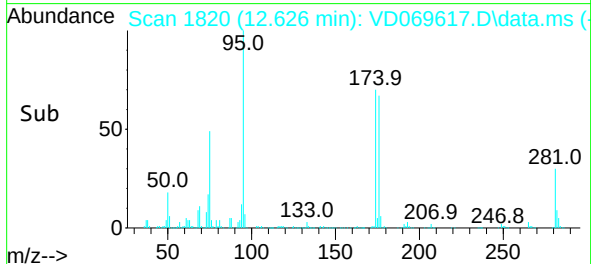
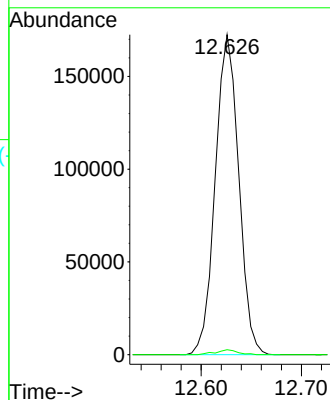
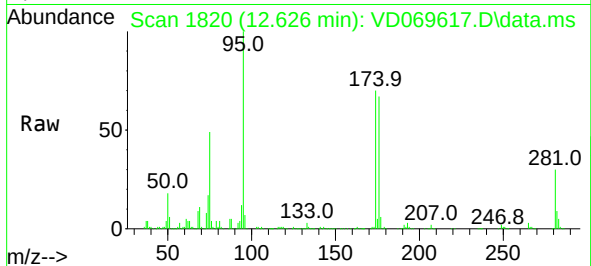




#76
1,2,3-Trichloropropane
Concen: 53.795 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

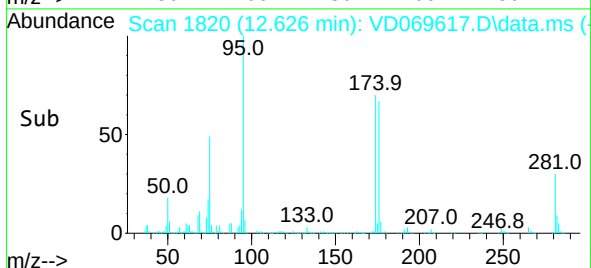
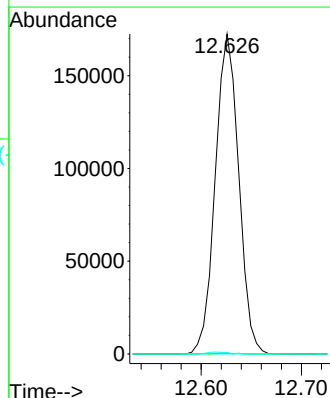
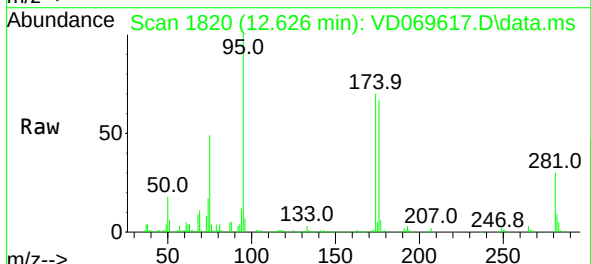
Instrument :
MSVOA_D
ClientSampleId :

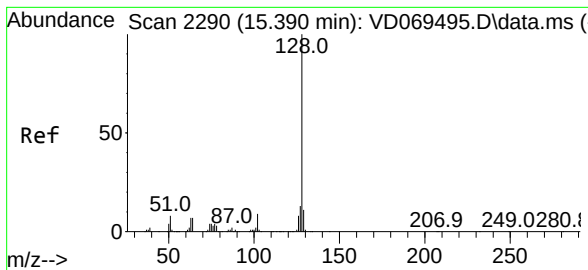
Tgt Ion: 75 Resp: 279870
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.320 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Tgt Ion: 75 Resp: 279870
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.5 35.3 52.9#





#95
Naphthalene
Concen: 3.369 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.017 min
Lab File: VD069617.D
Acq: 07 Jul 2021 19:23

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 255
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

