

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069139.D
 Acq On : 12 May 2021 16:36
 Operator : VA/SY
 Sample : VD0512SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0512SBL01

Quant Time: May 13 04:22:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

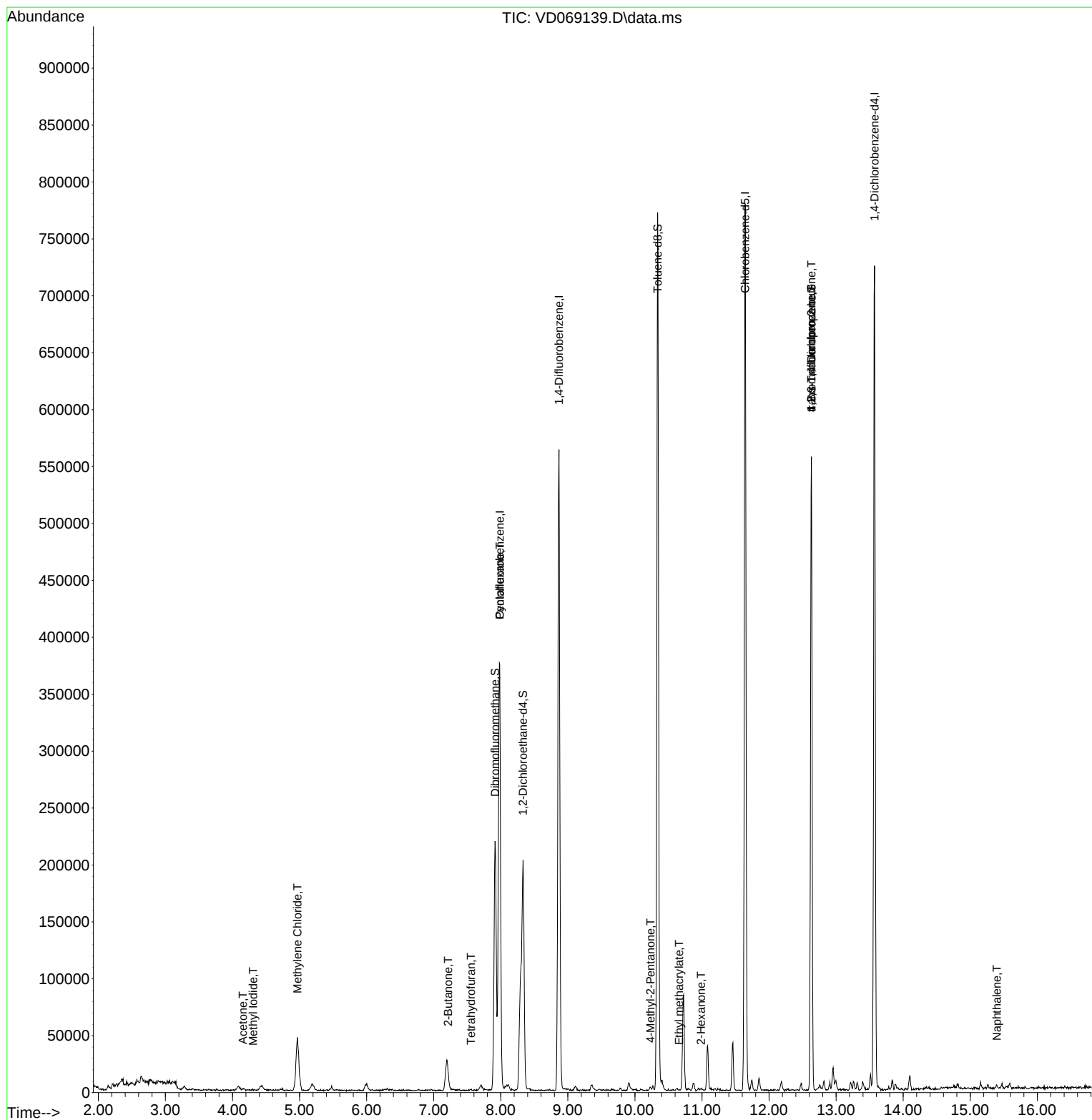
Internal Standards						
1) Pentafluorobenzene	7.985	168	279199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	486635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	451003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	198856	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	152527	54.49	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.98%			
35) Dibromofluoromethane	7.914	113	155711	49.17	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.34%			
50) Toluene-d8	10.337	98	539825	46.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.78%			
62) 4-Bromofluorobenzene	12.631	95	168983	45.13	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.26%			
Target Compounds						Qvalue
10) Methyl Iodide	4.308	142	1070	1.25	ug/l #	62
11) Tert butyl alcohol	5.185	59	5416	Below Cal	#	73
16) Acetone	4.155	43	1210	2.82	ug/l	100
20) Methylene Chloride	4.967	84	36991	1.86	ug/l	92
25) 2-Butanone	7.214	43	822	1.42	ug/l #	38
29) Tetrahydrofuran	7.555	42	434	1.37	ug/l #	24
31) Cyclohexane	7.985	56	7736	1.86	ug/l #	48
51) 4-Methyl-2-Pentanone	10.232	43	1930	1.36	ug/l	95
56) Ethyl methacrylate	10.661	69	273	1.41	ug/l #	37
59) 2-Hexanone	10.984	43	1210	1.28	ug/l	73
76) 1,2,3-Trichloropropane	12.631	75	83867	56.11	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.631	75	83867	113.33	ug/l #	14
95) Naphthalene	15.396	128	3102	2.50	ug/l	94

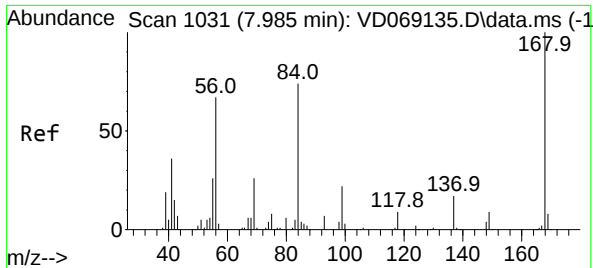
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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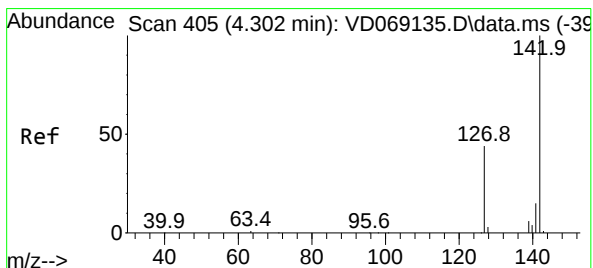
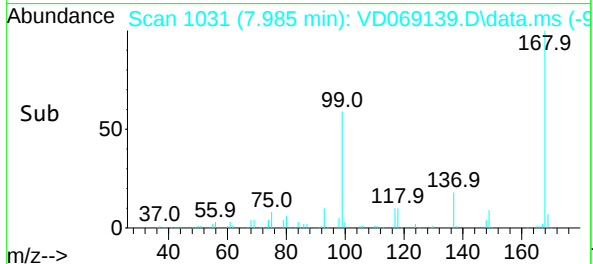
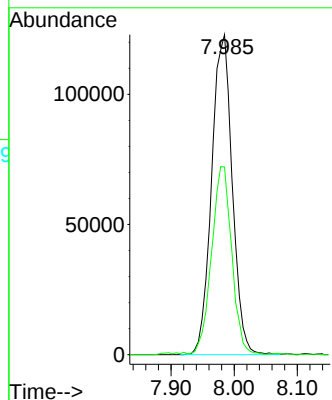
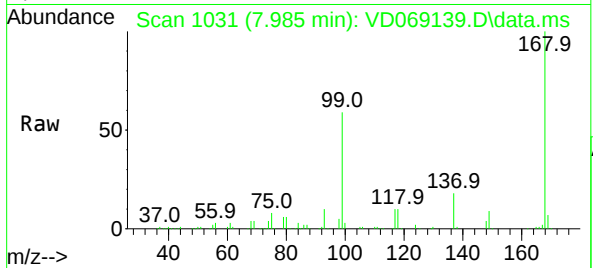




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

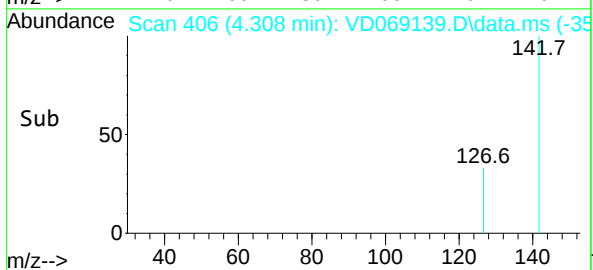
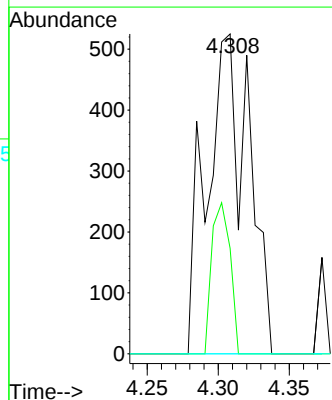
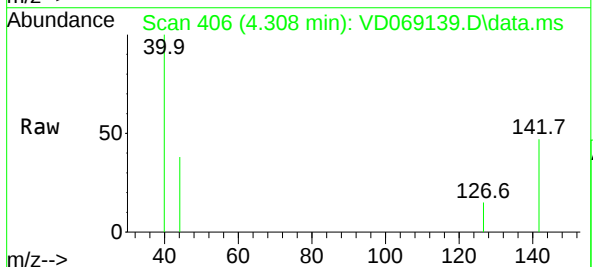
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

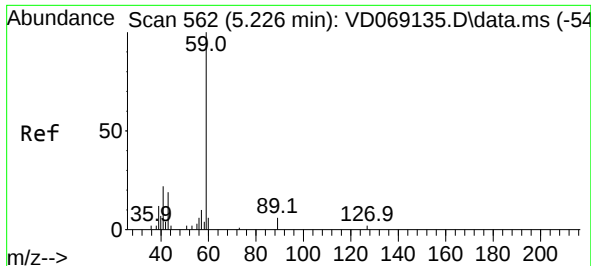
Tgt Ion:168 Resp: 279199
Ion Ratio Lower Upper
168 100
99 58.3 47.2 70.8



#10
Methyl Iodide
Concen: 1.25 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion:142 Resp: 1070
Ion Ratio Lower Upper
142 100
127 20.8 37.3 55.9#
141 0.0 12.2 18.4#

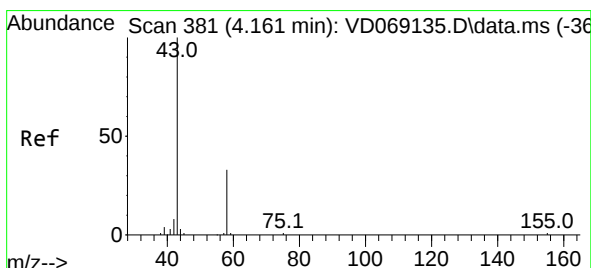
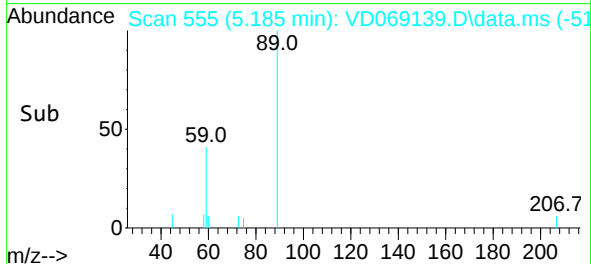
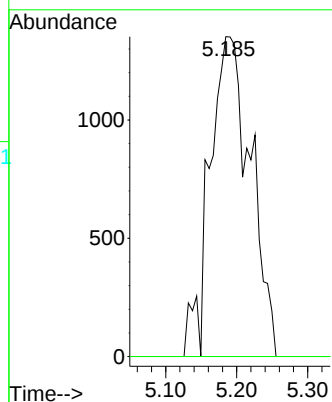
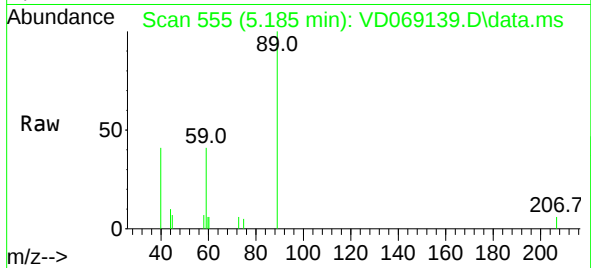




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.041 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

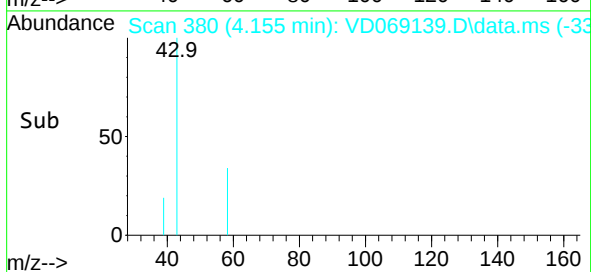
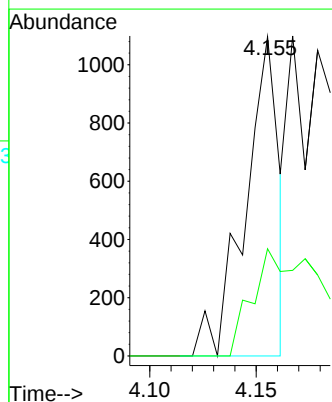
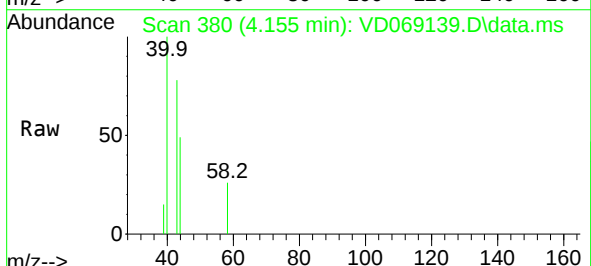
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

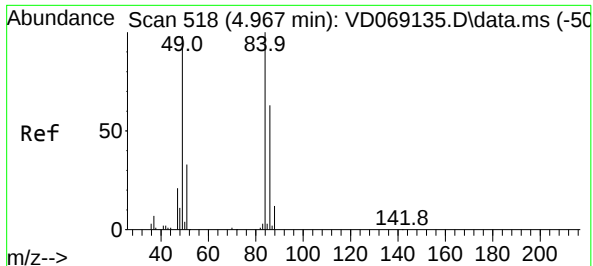
Tgt Ion: 59 Resp: 5416
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 2.82 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 33.5 26.7 40.1

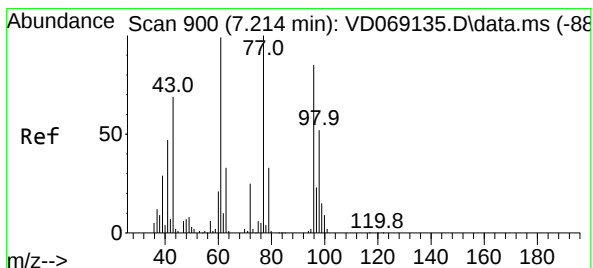
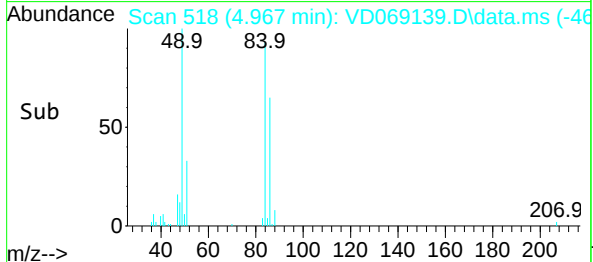
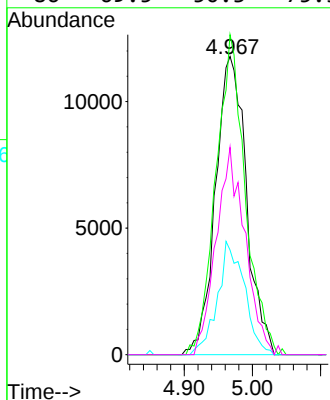
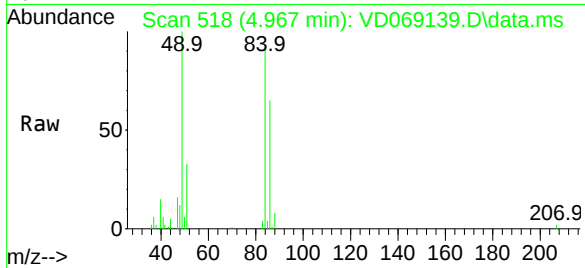




#20
Methylene Chloride
Concen: 1.86 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

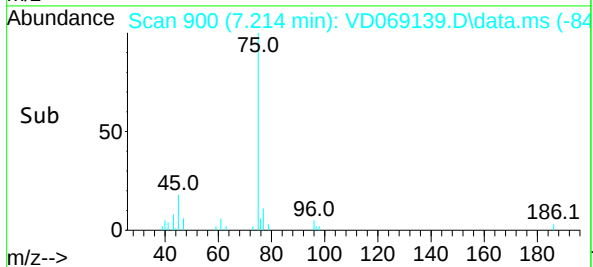
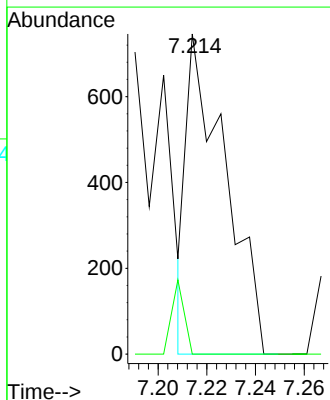
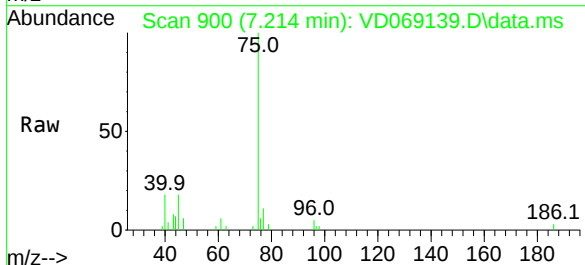
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

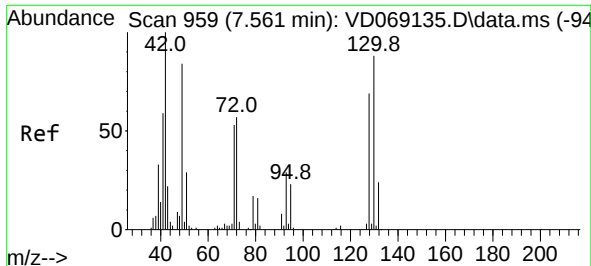
Tgt Ion:	84	Resp:	36991
Ion	Ratio	Lower	Upper
84	100		
49	107.3	78.6	117.8
51	35.1	26.7	40.1
86	69.5	50.3	75.5



#25
2-Butanone
Concen: 1.42 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion:	43	Resp:	822
Ion	Ratio	Lower	Upper
43	100		
72	0.0	29.1	43.7#





#29

Tetrahydrofuran

Concen: 1.37 ug/l

RT: 7.555 min Scan# 958

Delta R.T. -0.006 min

Lab File: VD069139.D

Acq: 12 May 2021 16:36

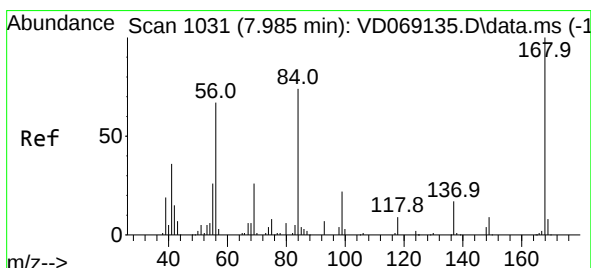
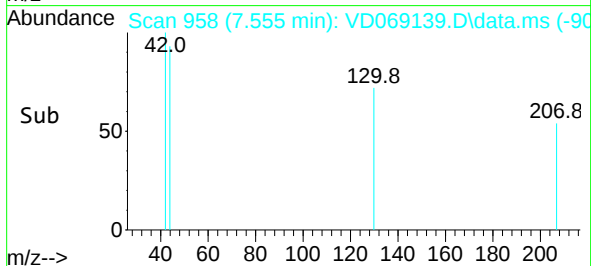
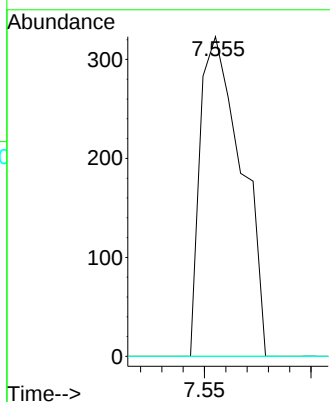
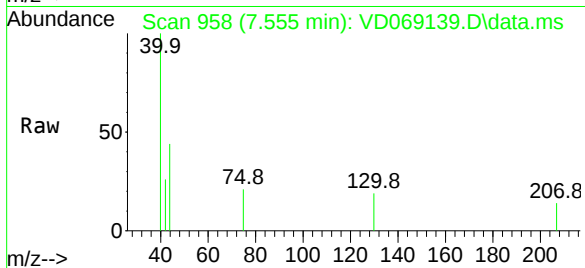
Instrument :

MSVOA_D

ClientSampleId :

VD0512SBL01

Tgt Ion:	42	Resp:	434
Ion	Ratio	Lower	Upper
42	100		
72	0.0	45.9	68.9#
71	0.0	42.9	64.3#



#31

Cyclohexane

Concen: 1.86 ug/l

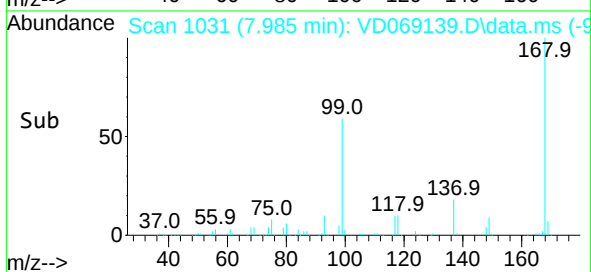
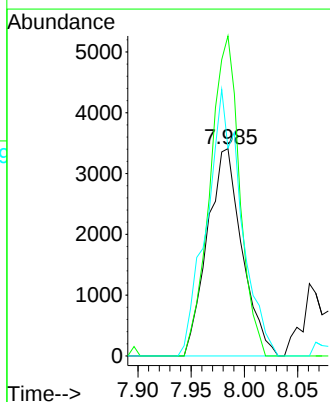
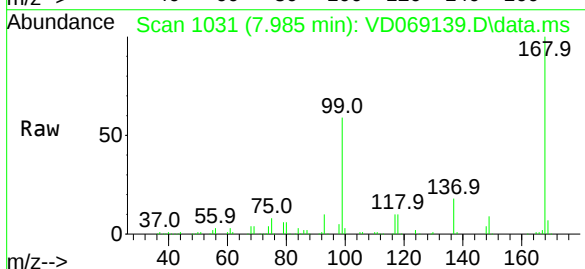
RT: 7.985 min Scan# 1031

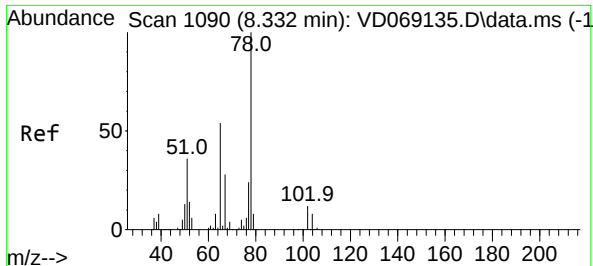
Delta R.T. -0.000 min

Lab File: VD069139.D

Acq: 12 May 2021 16:36

Tgt Ion:	56	Resp:	7736
Ion	Ratio	Lower	Upper
56	100		
69	154.3	30.6	46.0#
84	105.8	88.0	132.0

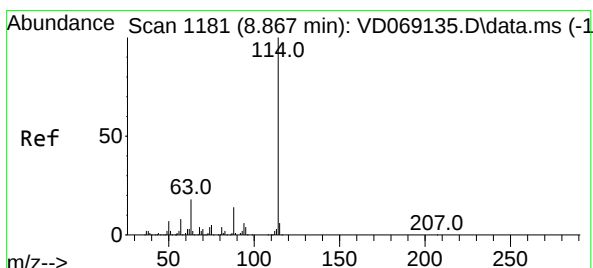
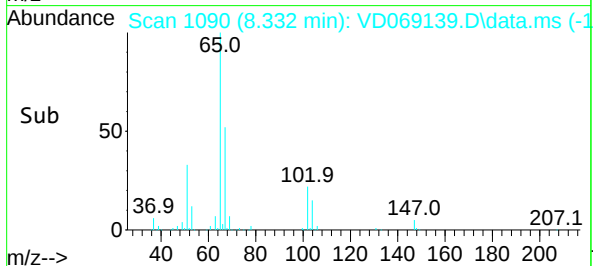
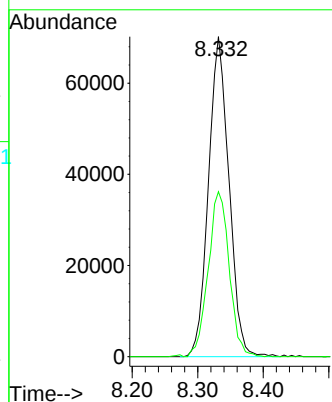
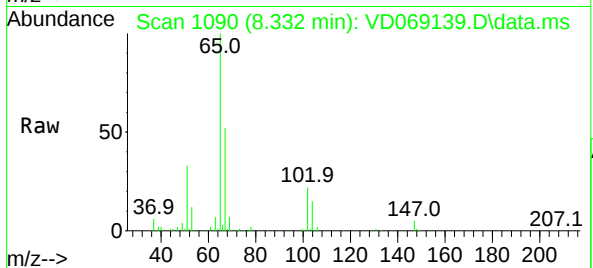




#33
1,2-Dichloroethane-d4
Concen: 54.49 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

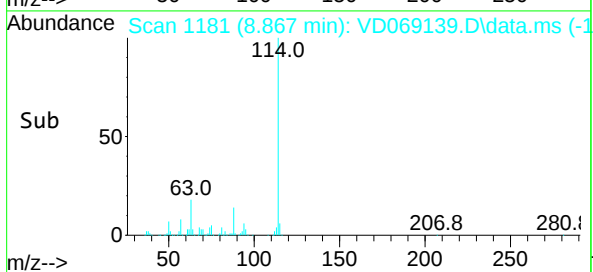
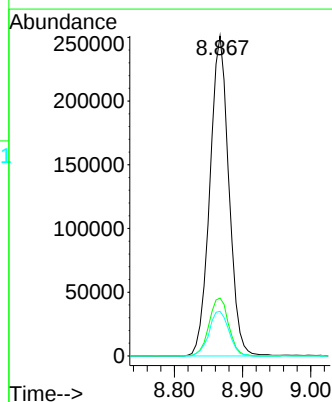
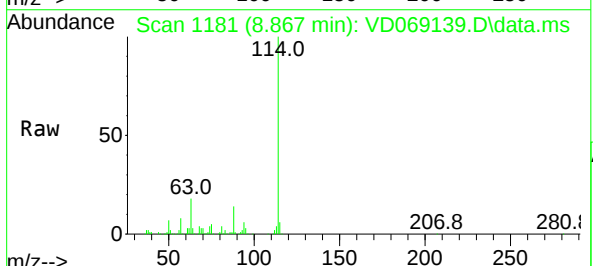
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

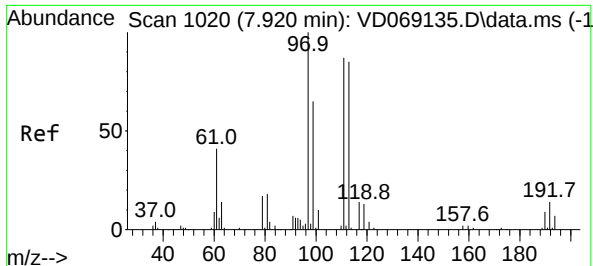
Tgt Ion: 65 Resp: 152527
Ion Ratio Lower Upper
65 100
67 52.9 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion: 114 Resp: 486635
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.4
88 14.0 0.0 28.2





#35

Dibromofluoromethane

Concen: 49.17 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069139.D

Acq: 12 May 2021 16:36

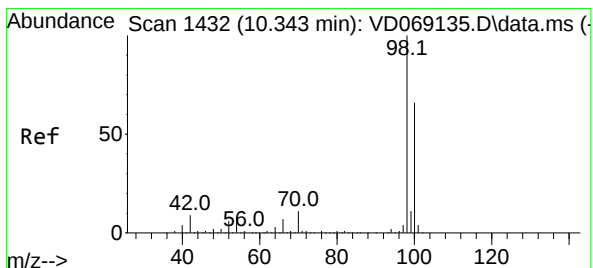
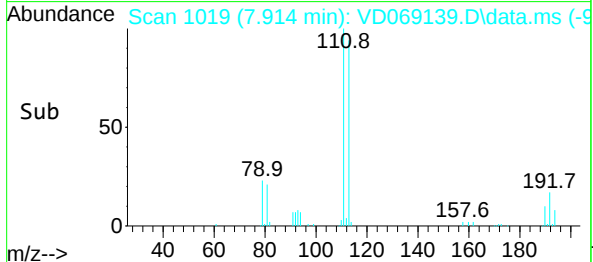
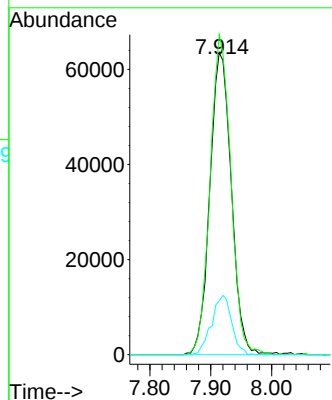
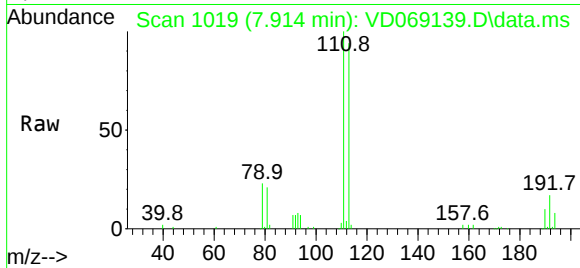
Tgt Ion:113 Resp: 155711

Ion Ratio Lower Upper

113 100

111 102.4 80.6 120.8

192 18.4 14.8 22.2



#50

Toluene-d8

Concen: 46.39 ug/l

RT: 10.337 min Scan# 1431

Delta R.T. -0.006 min

Lab File: VD069139.D

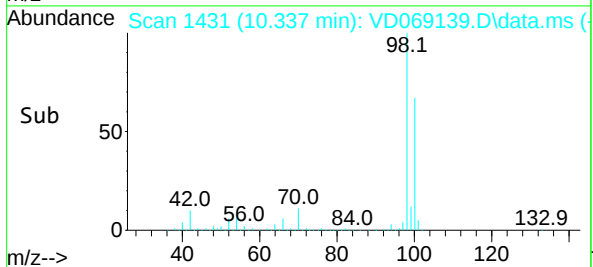
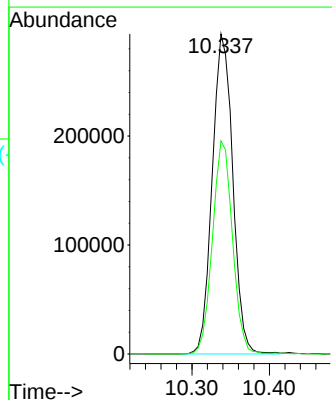
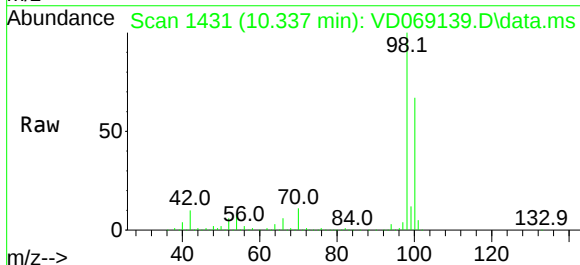
Acq: 12 May 2021 16:36

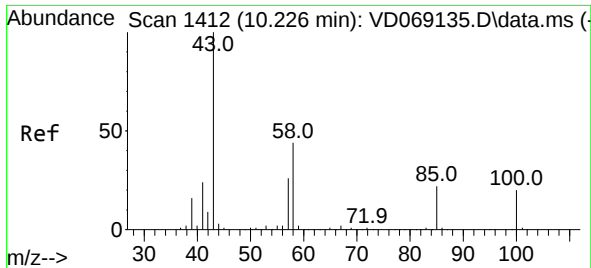
Tgt Ion: 98 Resp: 539825

Ion Ratio Lower Upper

98 100

100 65.2 51.8 77.8

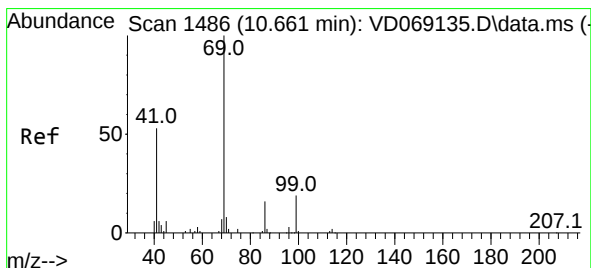
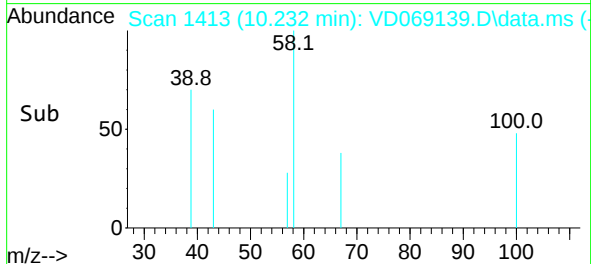
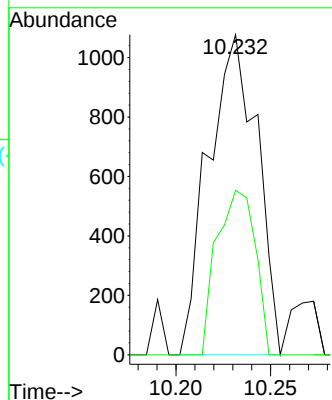
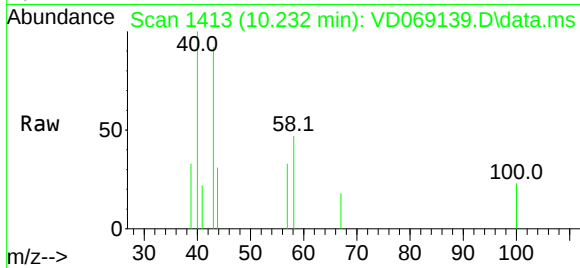




#51
4-Methyl-2-Pentanone
Concen: 1.36 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

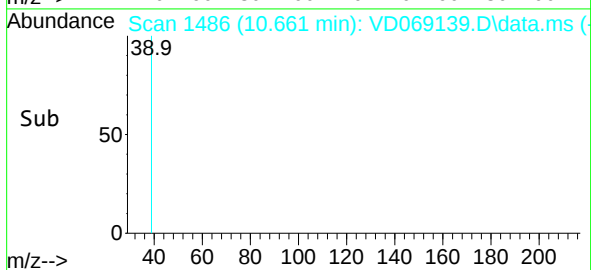
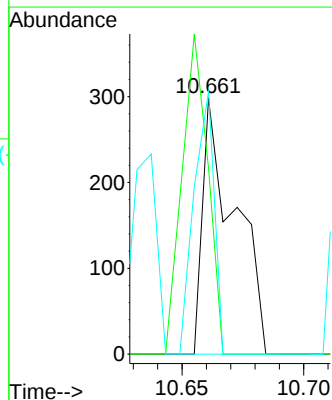
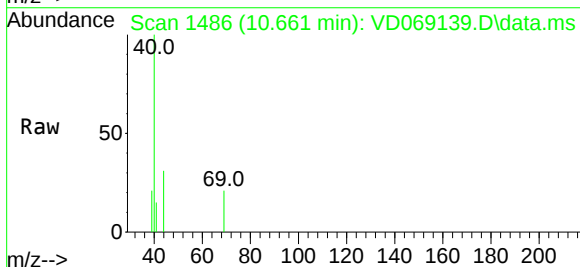
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

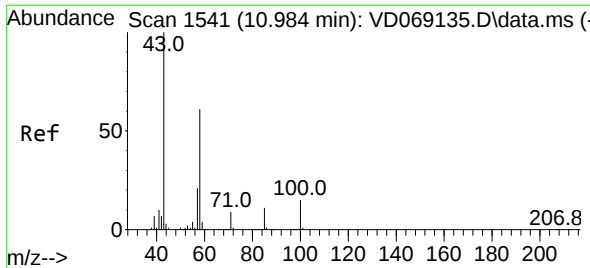
Tgt Ion: 43 Resp: 1930
Ion Ratio Lower Upper
43 100
58 40.5 35.0 52.4



#56
Ethyl methacrylate
Concen: 1.41 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion: 69 Resp: 273
Ion Ratio Lower Upper
69 100
41 100.0 42.2 63.2#
39 64.8 26.3 39.5#

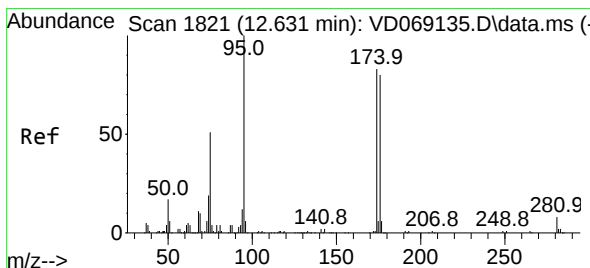
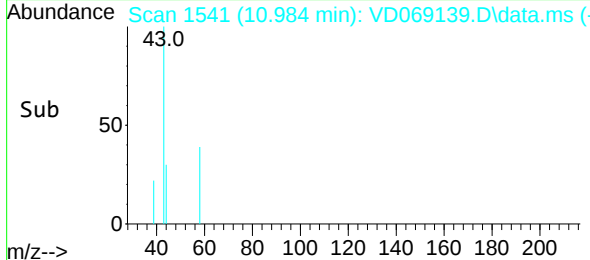
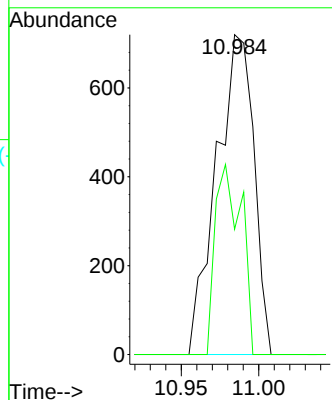
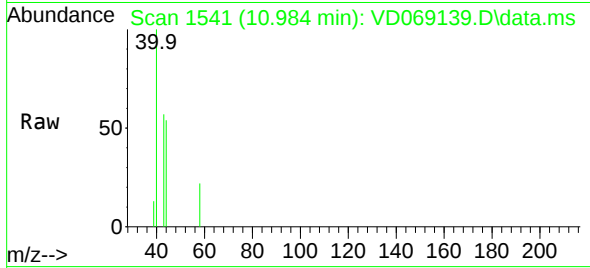




#59
2-Hexanone
Concen: 1.28 ug/l
RT: 10.984 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

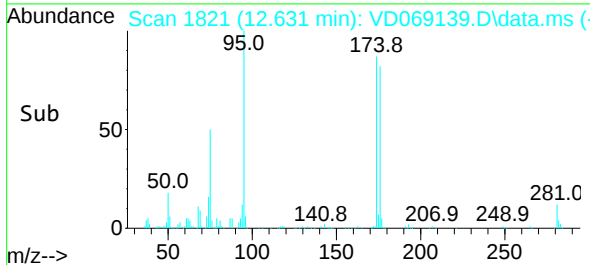
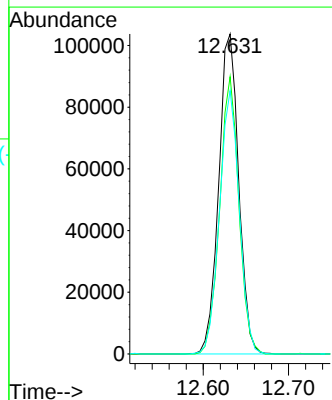
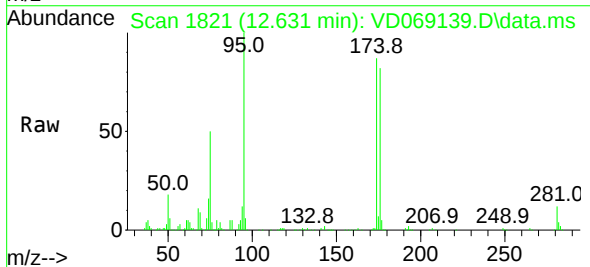
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

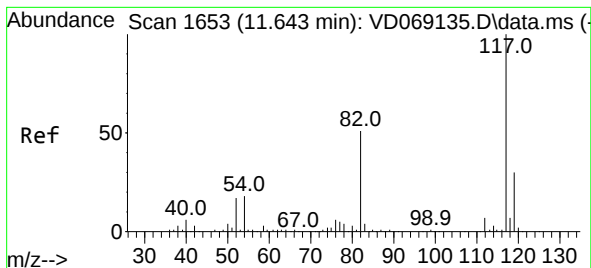
Tgt Ion: 43 Resp: 1210
Ion Ratio Lower Upper
43 100
58 41.6 31.1 93.5



#62
4-Bromofluorobenzene
Concen: 45.13 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion: 95 Resp: 168983
Ion Ratio Lower Upper
95 100
174 82.8 0.0 171.8
176 81.5 0.0 165.4

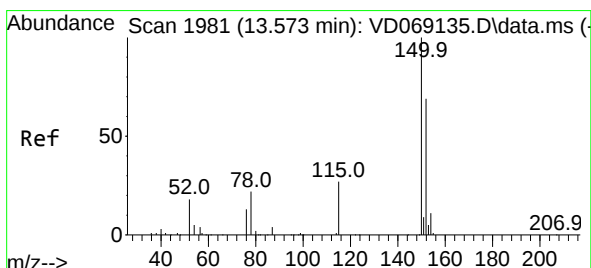
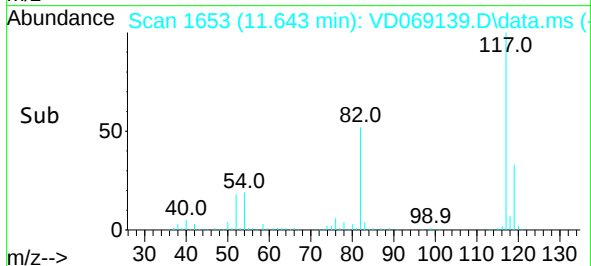
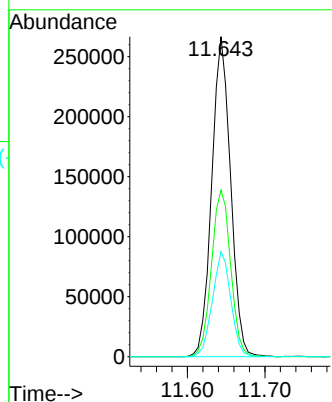
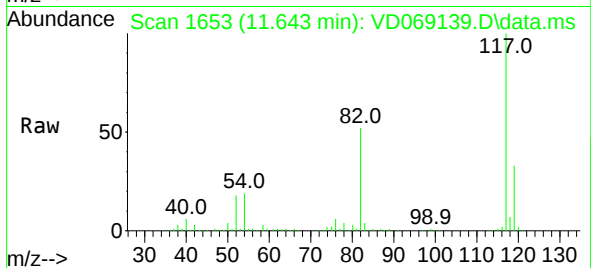




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

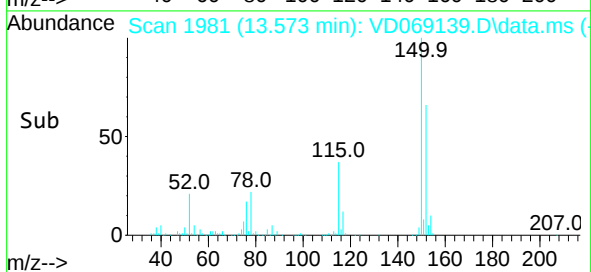
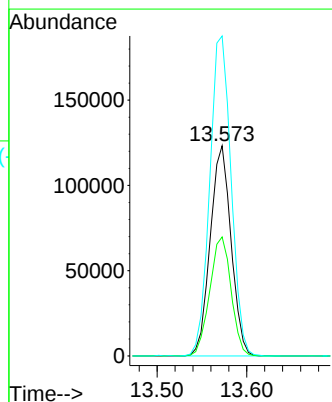
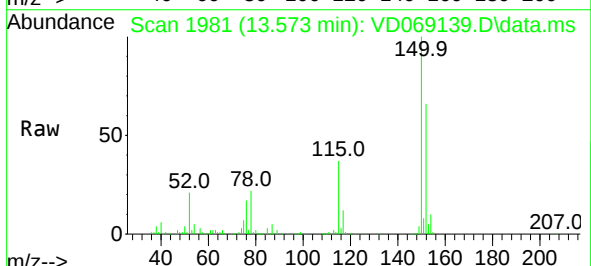
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

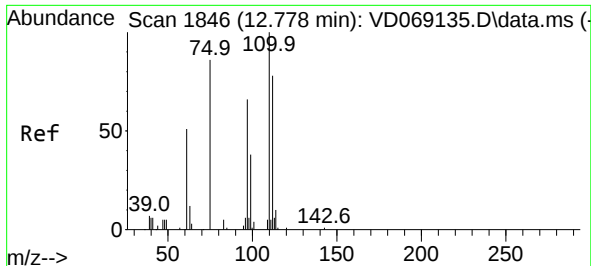
Tgt Ion:117 Resp: 451003
Ion Ratio Lower Upper
117 100
82 52.1 40.5 60.7
119 32.8 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion:152 Resp: 198856
Ion Ratio Lower Upper
152 100
115 58.0 29.9 89.8
150 155.9 0.0 350.2

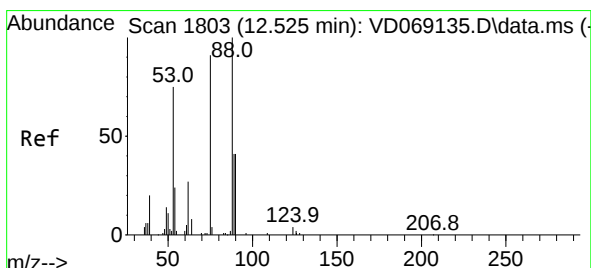
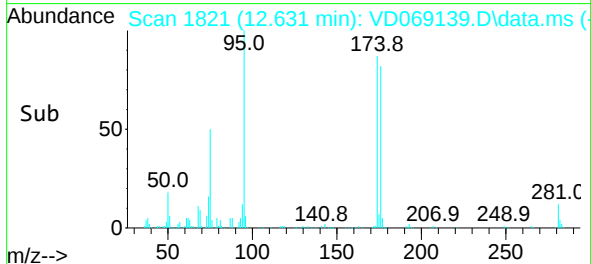
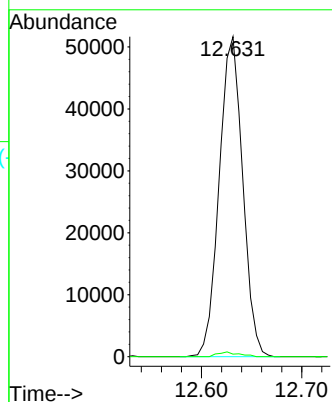
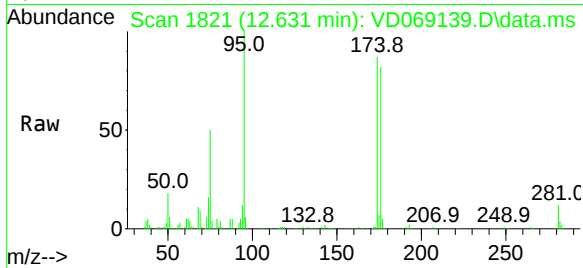




#76
1,2,3-Trichloropropane
Concen: 56.11 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

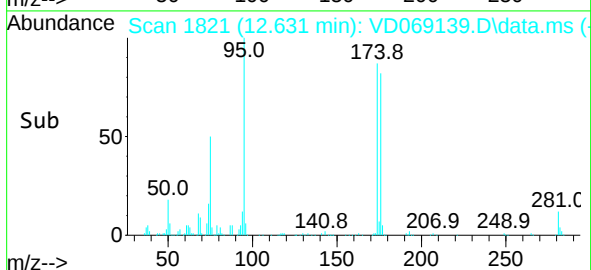
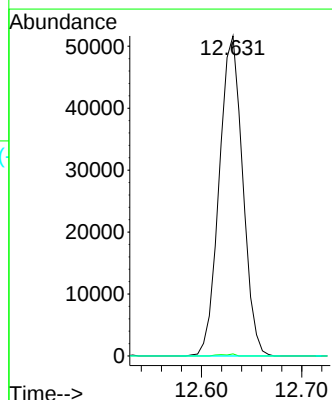
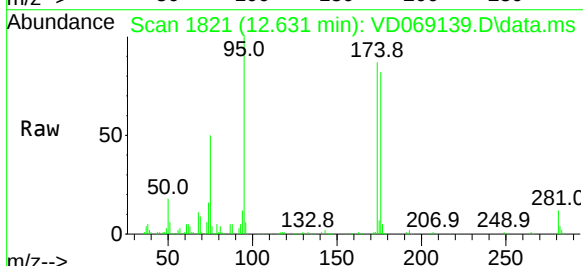
Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

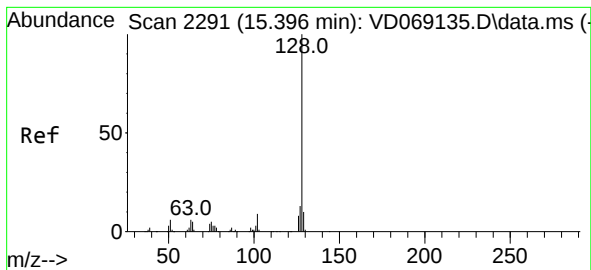
Tgt Ion: 75 Resp: 83867
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.33 ug/l
RT: 12.631 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Tgt Ion: 75 Resp: 83867
Ion Ratio Lower Upper
75 100
53 0.4 70.0 105.0#
89 0.0 40.2 60.2#





#95
Naphthalene
Concen: 2.50 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. -0.000 min
Lab File: VD069139.D
Acq: 12 May 2021 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD0512SBL01

Tgt Ion:128 Resp: 3102
Ion Ratio Lower Upper
128 100
127 15.5 10.5 15.7
129 13.0 8.9 13.3

