

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052521\
 Data File : VD069267.D
 Acq On : 25 May 2021 11:56
 Operator : VA/SY
 Sample : VD0525SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0525SBL01

Quant Time: May 26 01:03:48 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)

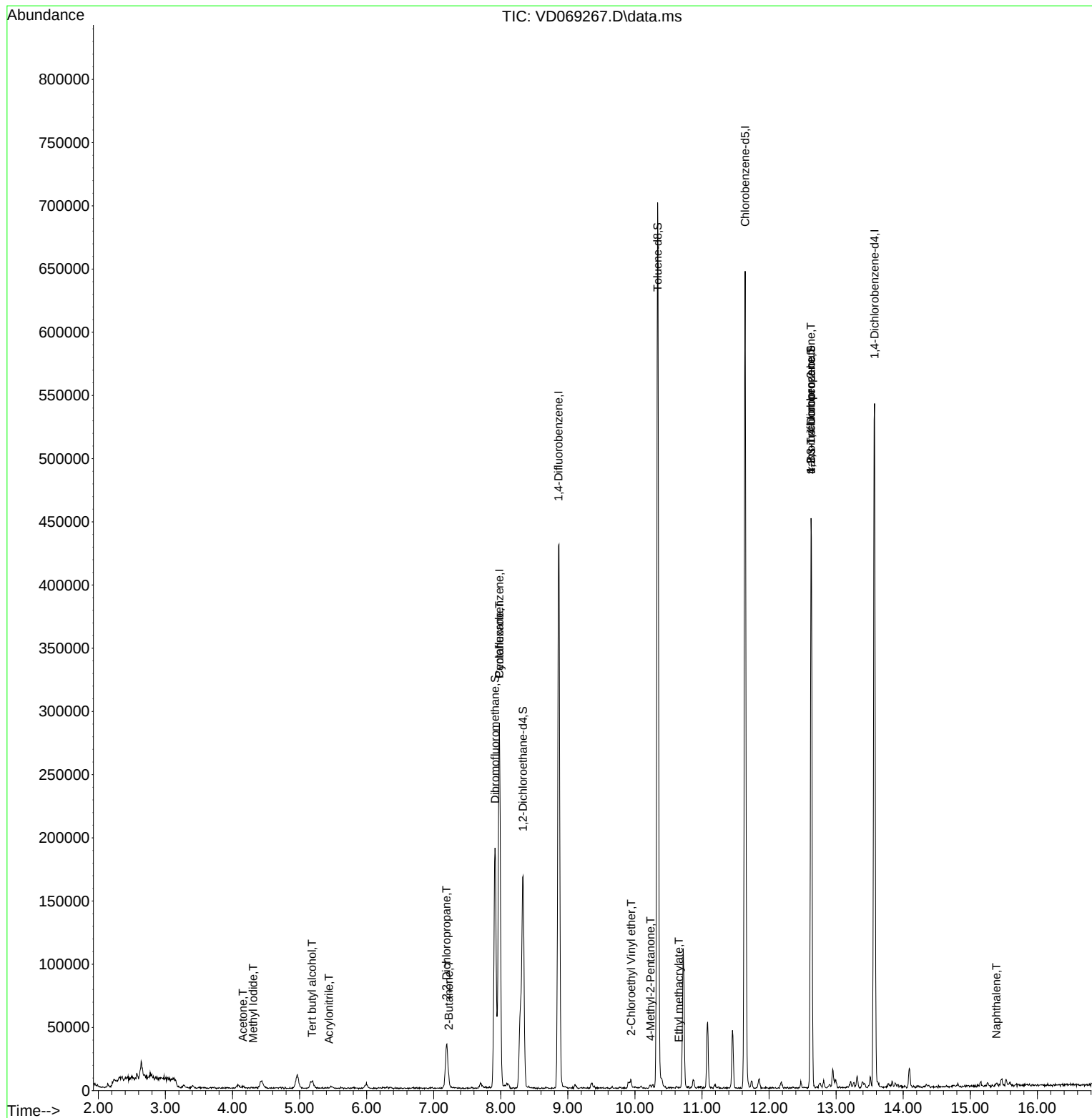
Internal Standards						
1) Pentafluorobenzene	7.979	168	208195	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	381160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	365468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	150765	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	128710	61.67	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.34%			
35) Dibromofluoromethane	7.914	113	135502	54.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.26%			
50) Toluene-d8	10.337	98	492256	54.01	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.02%			
62) 4-Bromofluorobenzene	12.626	95	127756	43.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.12%			
Target Compounds						Qvalue
10) Methyl Iodide	4.308	142	617	1.17	ug/l #	64
11) Tert butyl alcohol	5.185	59	5978	19.81	ug/l #	73
15) Acrylonitrile	5.438	53	482	1.38	ug/l #	27
16) Acetone	4.155	43	2507	7.84	ug/l	95
20) Methylene Chloride	4.961	84	8621	Below Cal	#	91
25) 2-Butanone	7.226	43	654	1.51	ug/l #	38
26) 2,2-Dichloropropane	7.191	77	3871	1.05	ug/l #	52
31) Cyclohexane	7.979	56	6385	2.06	ug/l #	17
51) 4-Methyl-2-Pentanone	10.232	43	2346	2.11	ug/l #	66
56) Ethyl methacrylate	10.655	69	84	1.35	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.943	63	2644	2.65	ug/l	94
76) 1,2,3-Trichloropropane	12.626	75	64582	56.99	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	64582	115.11	ug/l #	14
95) Naphthalene	15.390	128	2683	2.57	ug/l #	81

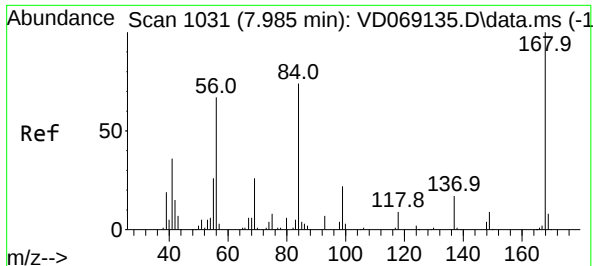
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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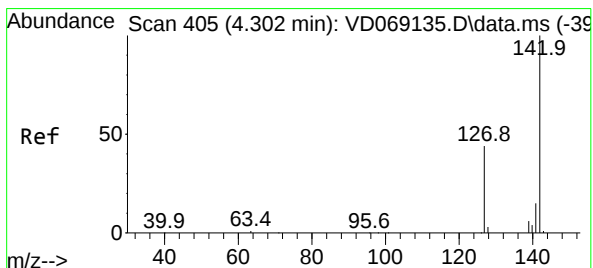
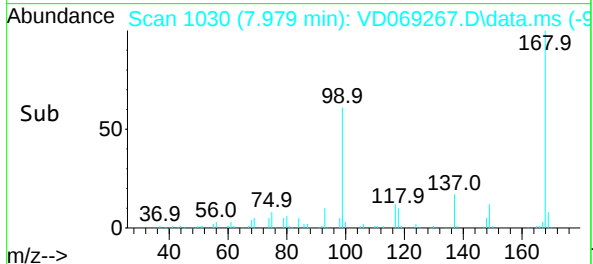
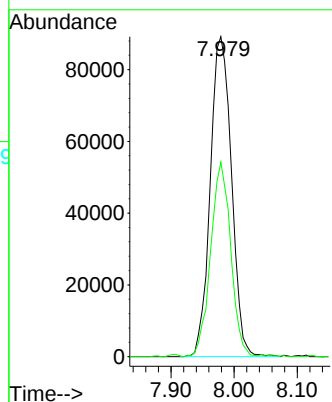
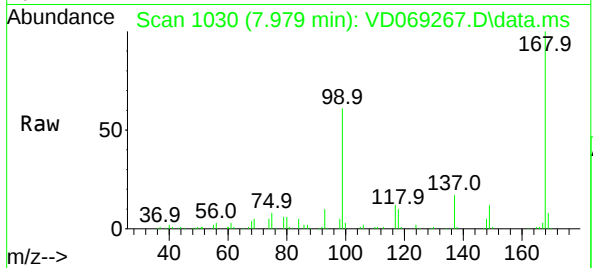




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

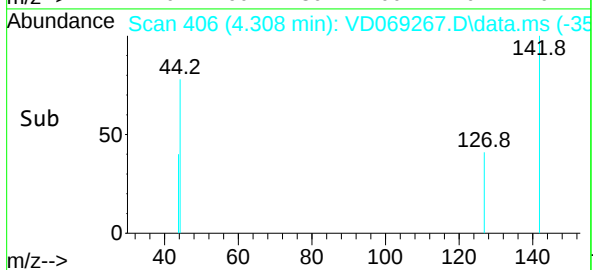
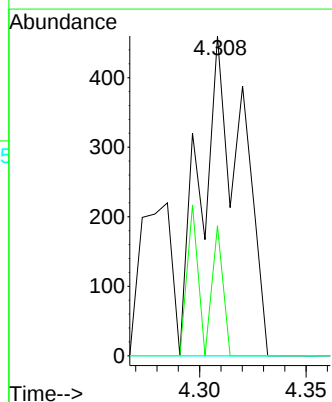
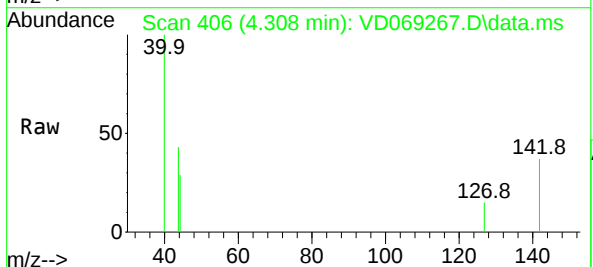
Instrument :
MSVOA_D
ClientSampleId :
VD0525SBL01

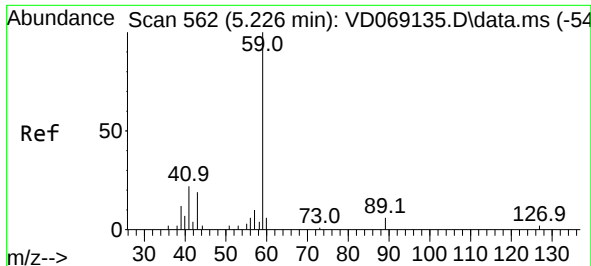
Tgt Ion:168 Resp: 208195
Ion Ratio Lower Upper
168 100
99 60.6 47.2 70.8



#10
Methyl Iodide
Concen: 1.17 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion:142 Resp: 617
Ion Ratio Lower Upper
142 100
127 23.2 37.3 55.9#
141 0.0 12.2 18.4#

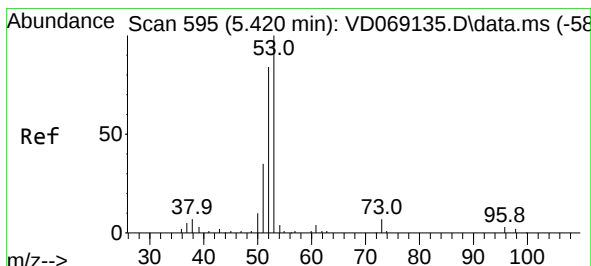
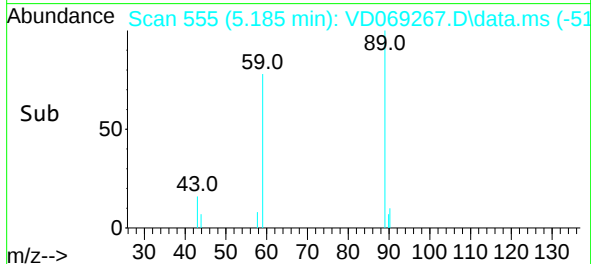
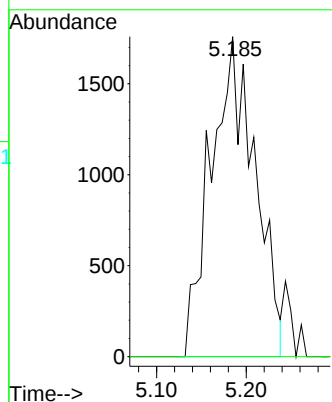
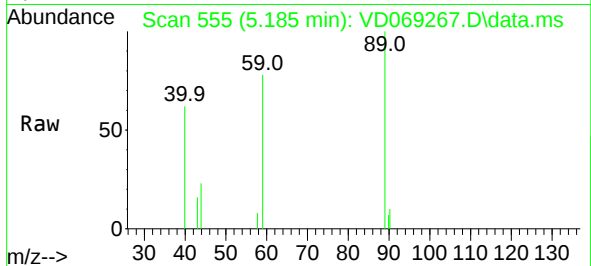




#11
Tert butyl alcohol
Concen: 19.81 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.041 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

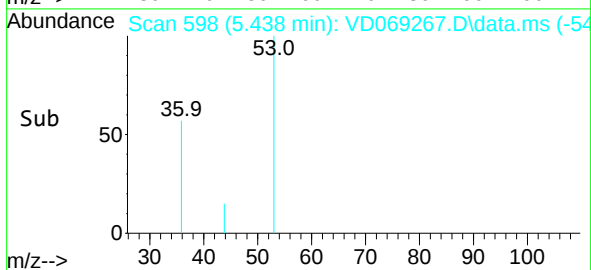
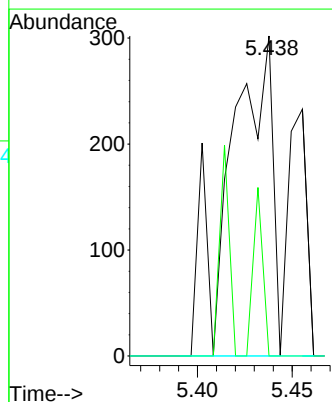
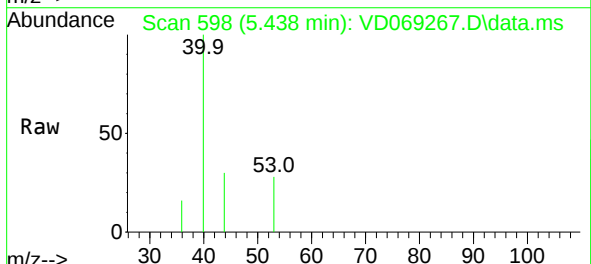
Instrument :
MSVOA_D
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VD0525SBL01

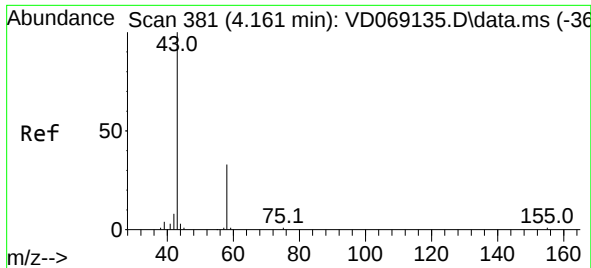
Tgt Ion: 59 Resp: 5978
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#15
Acrylonitrile
Concen: 1.38 ug/l
RT: 5.438 min Scan# 598
Delta R.T. 0.018 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion: 53 Resp: 482
Ion Ratio Lower Upper
53 100
52 11.6 64.5 96.7#
51 0.0 30.4 45.6#

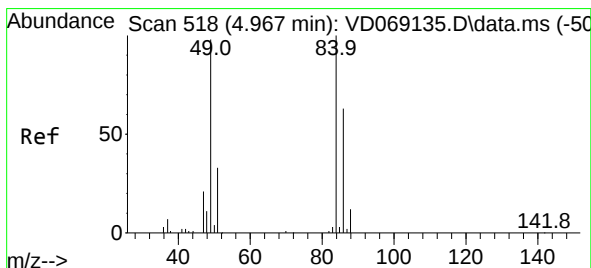
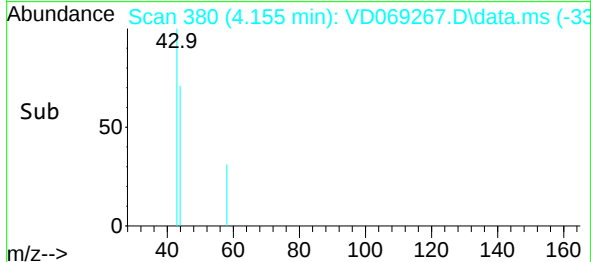
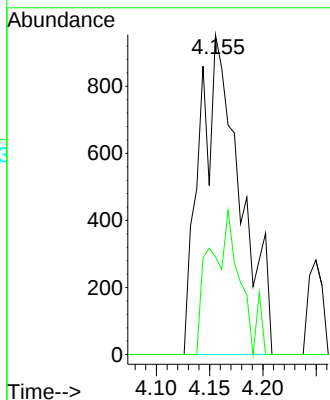
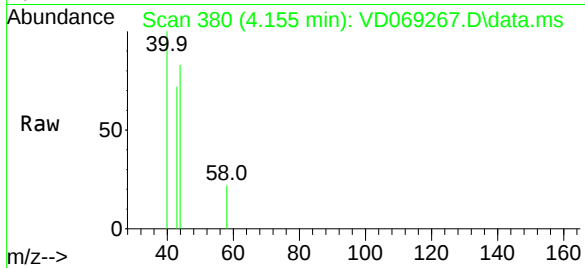




#16
Acetone
Concen: 7.84 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

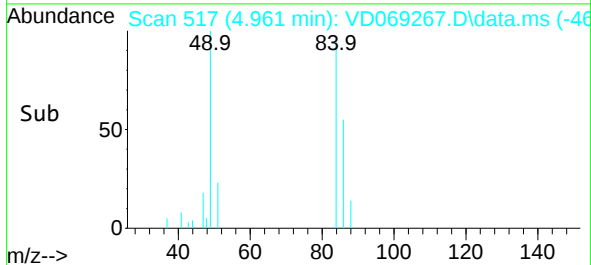
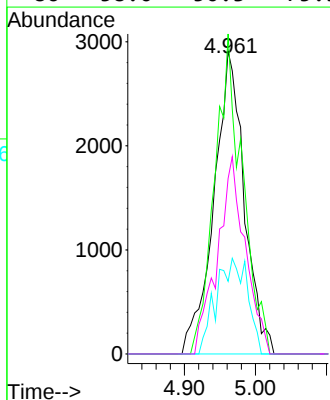
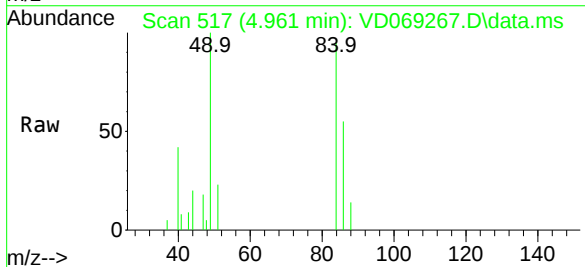
Instrument :
MSVOA_D
ClientSampleId :
VD0525SBL01

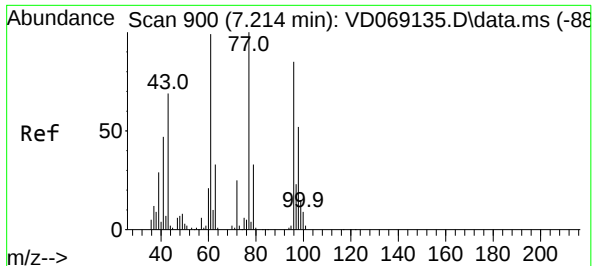
Tgt Ion: 43 Resp: 2507
Ion Ratio Lower Upper
43 100
58 30.6 26.7 40.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion: 84 Resp: 8621
Ion Ratio Lower Upper
84 100
49 105.7 78.6 117.8
51 24.0 26.7 40.1#
86 58.0 50.3 75.5





#25

2-Butanone

Concen: 1.51 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.012 min

Lab File: VD069267.D

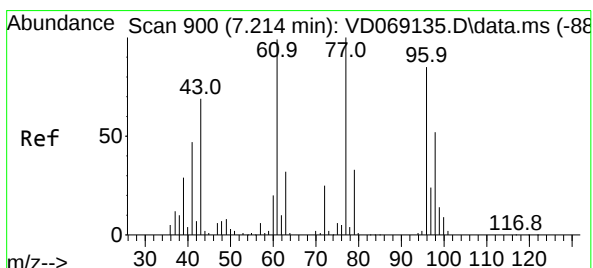
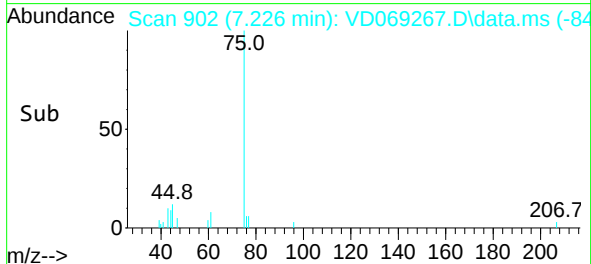
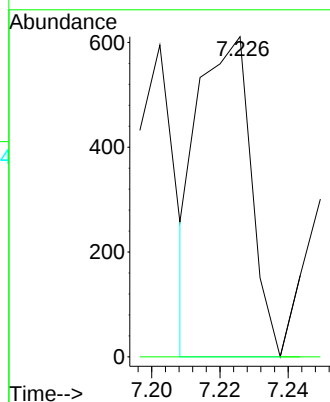
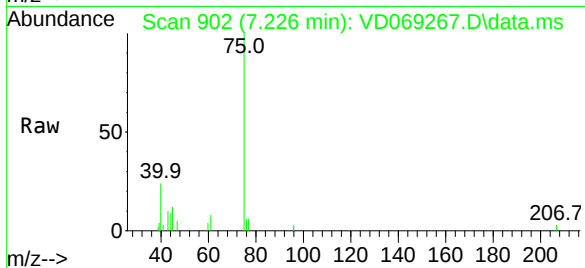
Acq: 25 May 2021 11:56

Tgt Ion: 43 Resp: 654

Ion Ratio Lower Upper

43 100

72 0.0 29.1 43.7#



#26

2,2-Dichloropropane

Concen: 1.05 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.023 min

Lab File: VD069267.D

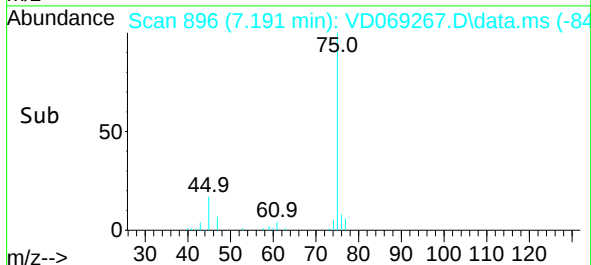
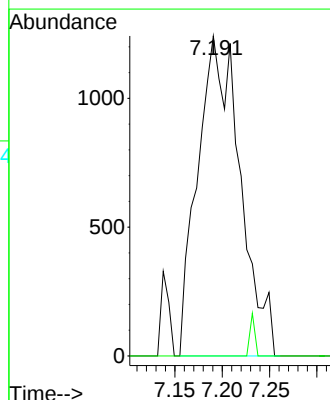
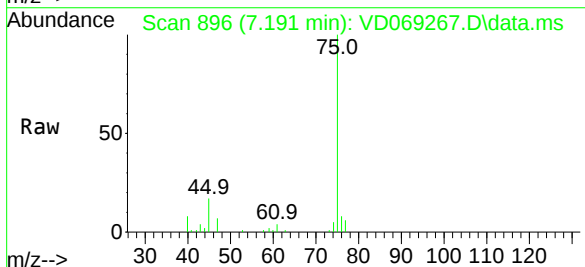
Acq: 25 May 2021 11:56

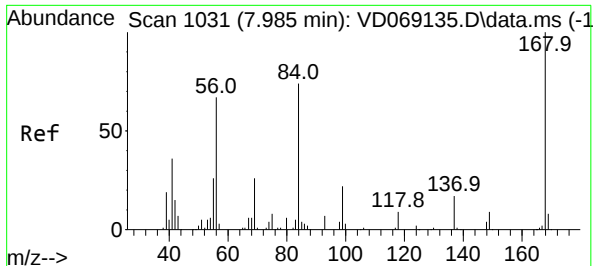
Tgt Ion: 77 Resp: 3871

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.5#

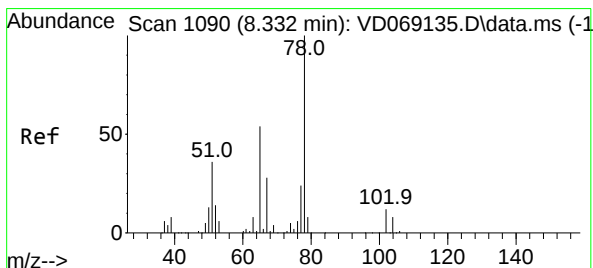
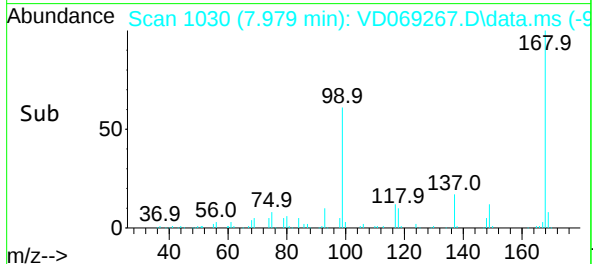
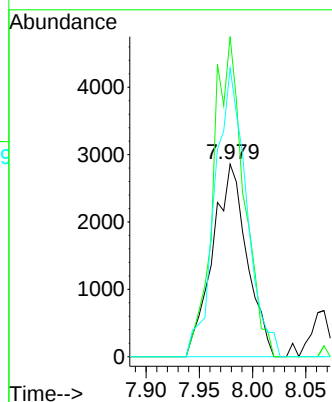
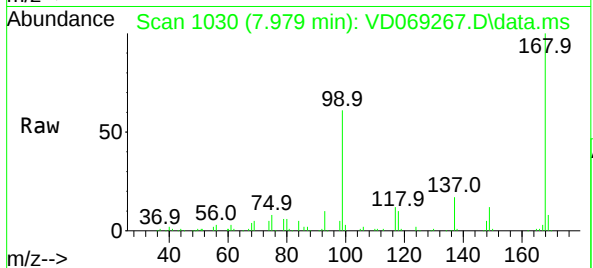




#31
Cyclohexane
Concen: 2.06 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

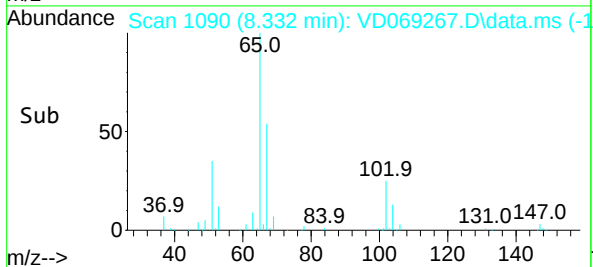
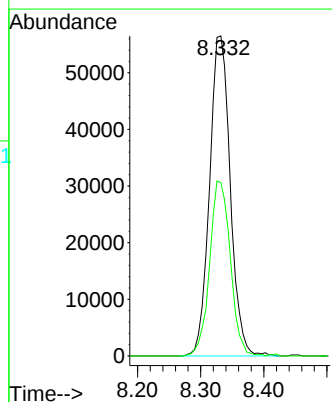
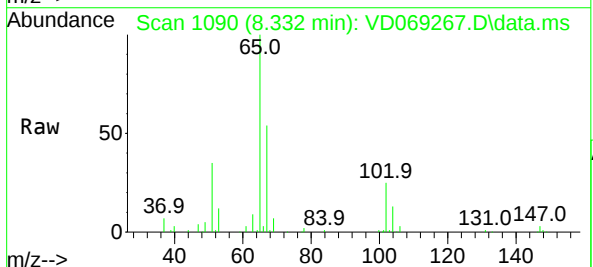
Instrument :
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VD0525SBL01

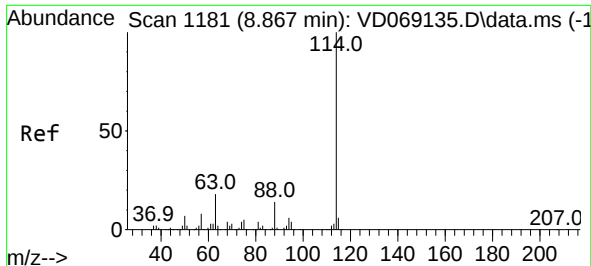
Tgt Ion: 56 Resp: 6385
Ion Ratio Lower Upper
56 100
69 166.2 30.6 46.0#
84 149.9 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 61.67 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion: 65 Resp: 128710
Ion Ratio Lower Upper
65 100
67 54.7 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD069267.D

Acq: 25 May 2021 11:56

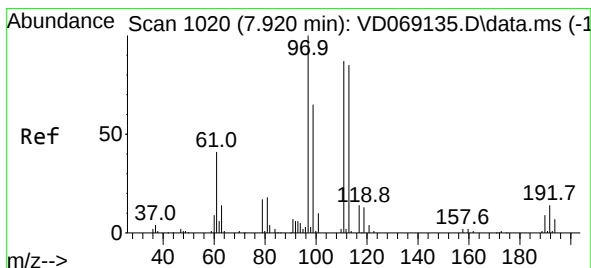
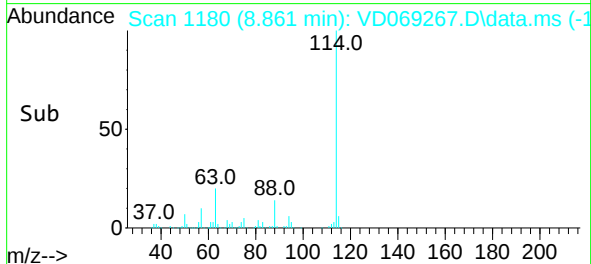
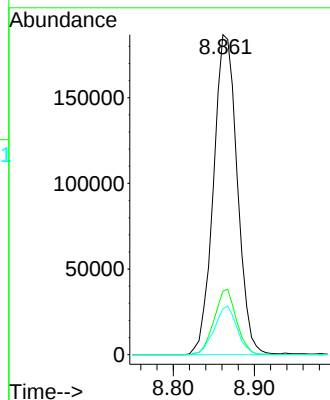
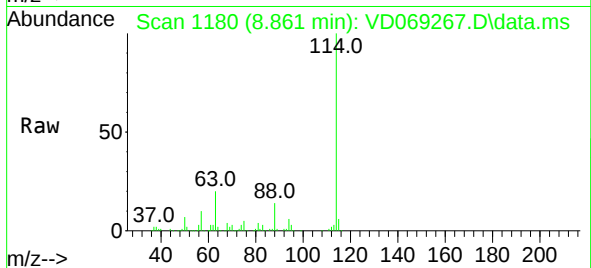
Tgt Ion:114 Resp: 381160

Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

88 14.3 0.0 28.2



#35

Dibromofluoromethane

Concen: 54.63 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD069267.D

Acq: 25 May 2021 11:56

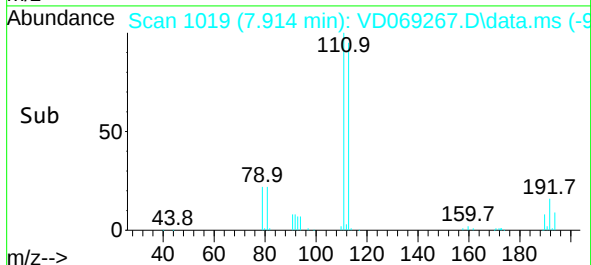
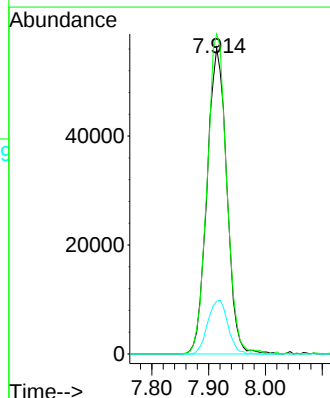
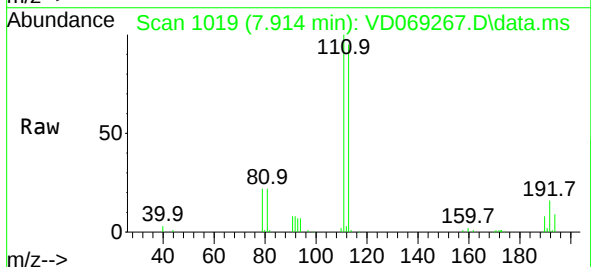
Tgt Ion:113 Resp: 135502

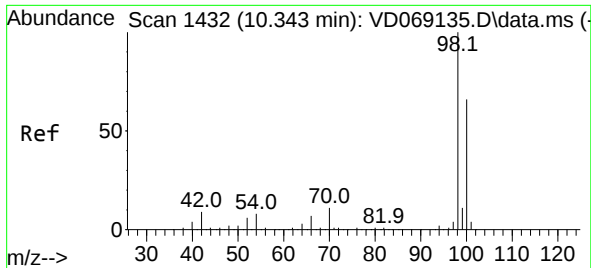
Ion Ratio Lower Upper

113 100

111 103.6 80.6 120.8

192 17.7 14.8 22.2

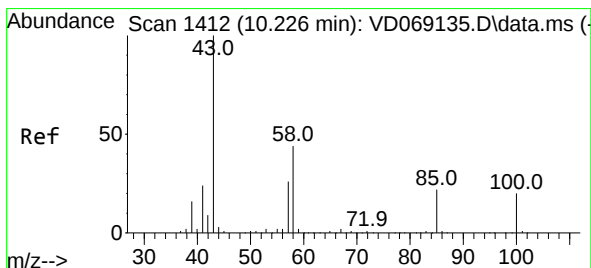
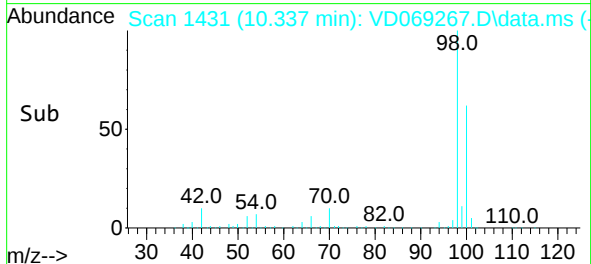
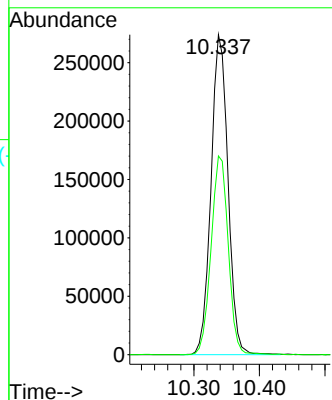
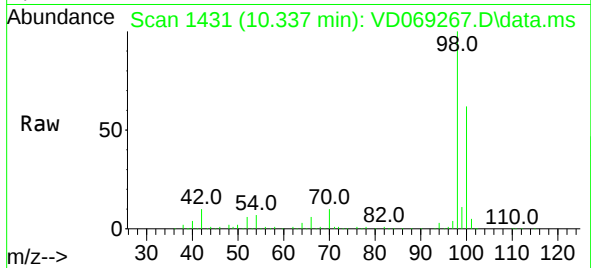




#50
Toluene-d8
Concen: 54.01 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

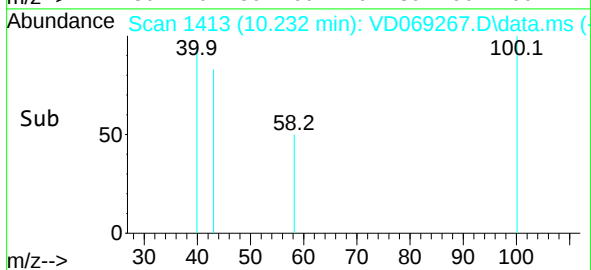
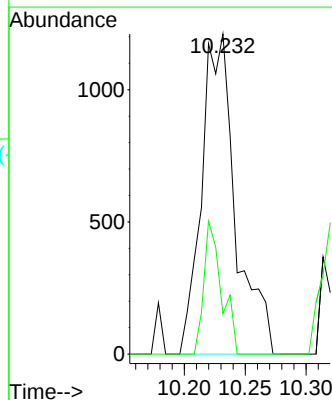
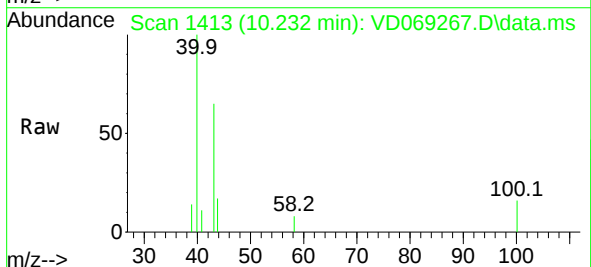
Instrument :
MSVOA_D
ClientSampleId :
VD0525SBL01

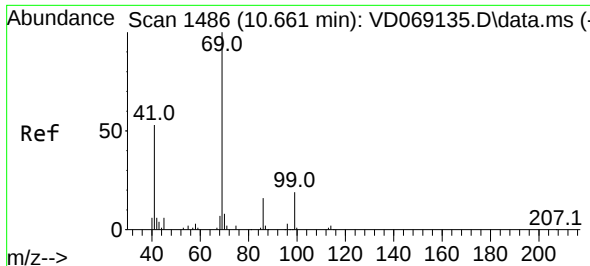
Tgt Ion: 98 Resp: 492256
Ion Ratio Lower Upper
98 100
100 62.8 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 2.11 ug/l
RT: 10.232 min Scan# 1413
Delta R.T. 0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion: 43 Resp: 2346
Ion Ratio Lower Upper
43 100
58 21.7 35.0 52.4#

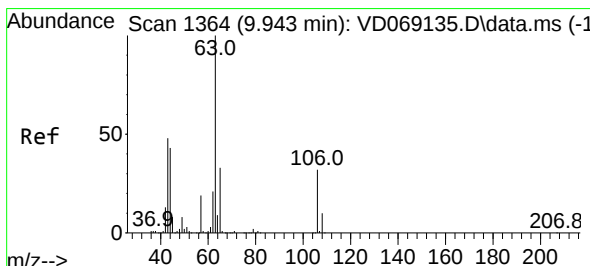
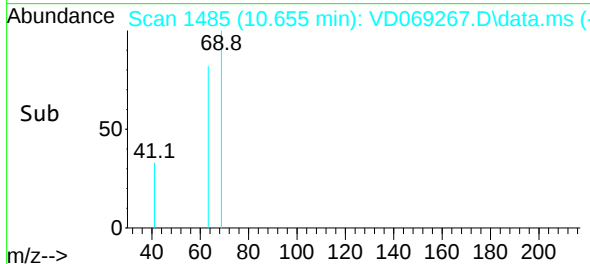
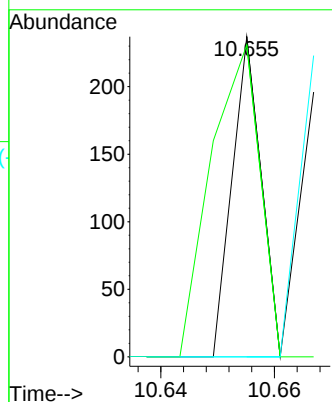
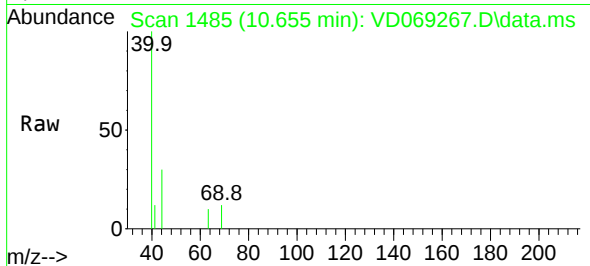




#56
Ethyl methacrylate
Concen: 1.35 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

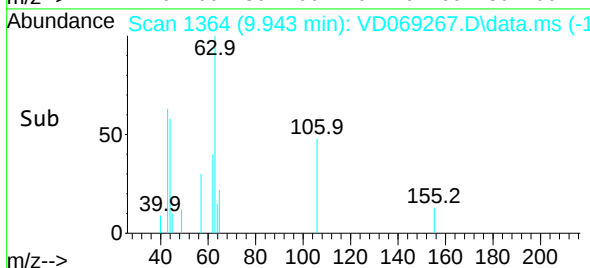
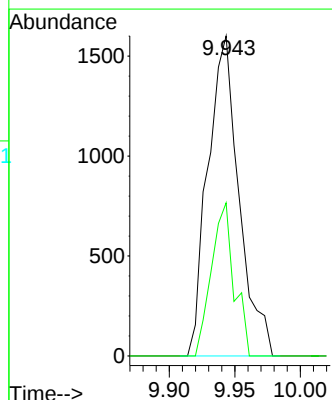
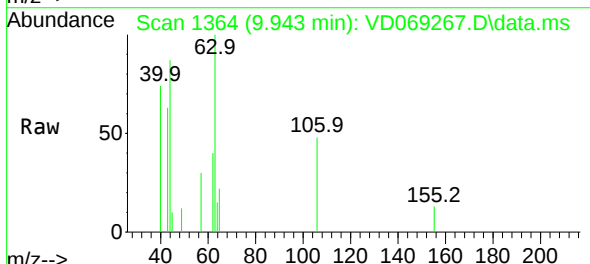
Instrument :
MSVOA_D
ClientSampleId :
VD0525SBL01

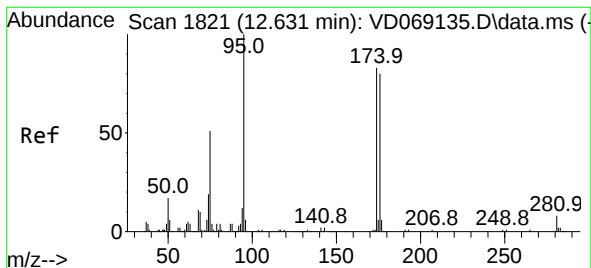
Tgt Ion: 69 Resp: 84
Ion Ratio Lower Upper
69 100
41 164.3 42.2 63.2#
39 94.0 26.3 39.5#



#58
2-Chloroethyl Vinyl ether
Concen: 2.65 ug/l
RT: 9.943 min Scan# 1364
Delta R.T. 0.000 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion: 63 Resp: 2644
Ion Ratio Lower Upper
63 100
106 34.9 25.3 37.9

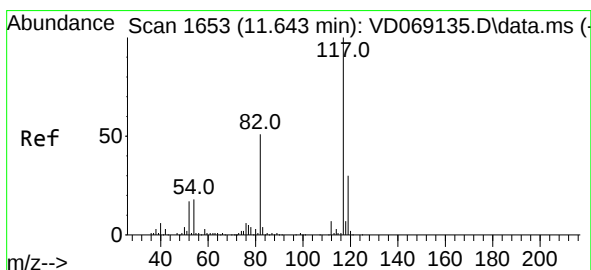
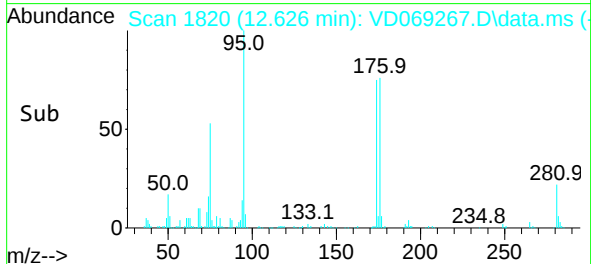
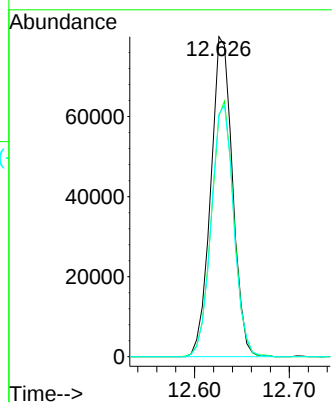
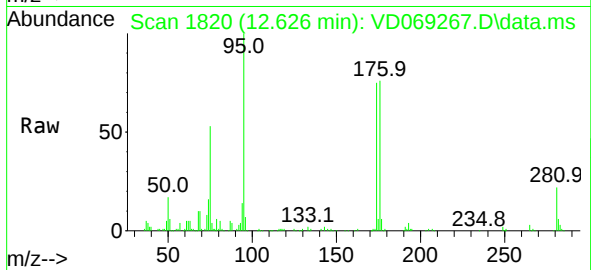




#62
4-Bromofluorobenzene
Concen: 43.56 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

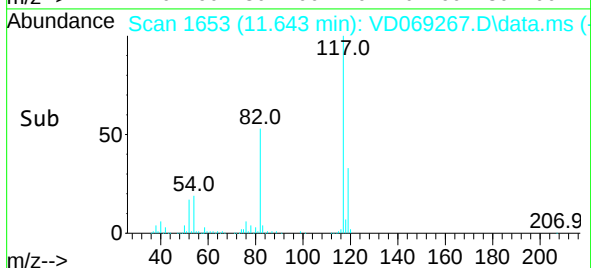
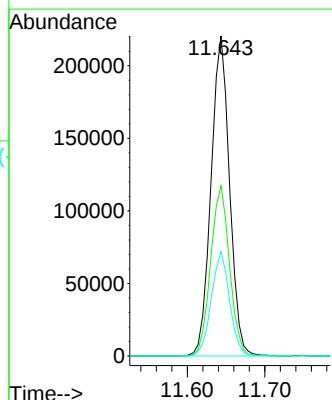
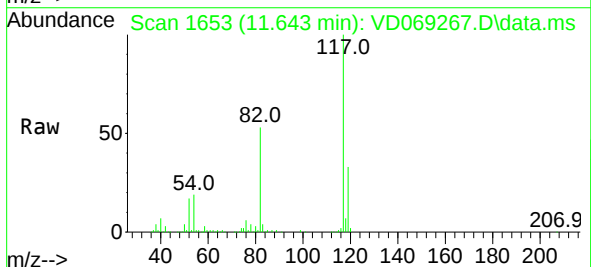
Instrument :
MSVOA_D
ClientSampleId :
VD0525SBL01

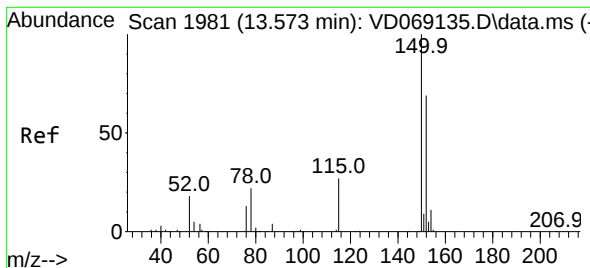
Tgt Ion: 95 Resp: 127756
Ion Ratio Lower Upper
95 100
174 81.8 0.0 171.8
176 81.3 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion: 117 Resp: 365468
Ion Ratio Lower Upper
117 100
82 53.1 40.5 60.7
119 32.6 24.2 36.4

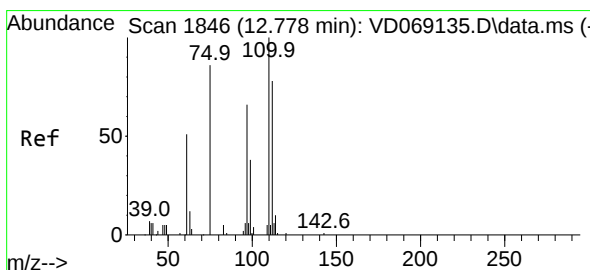
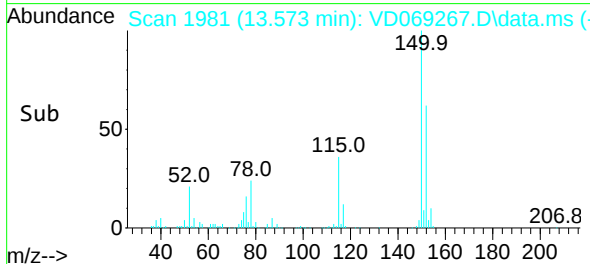
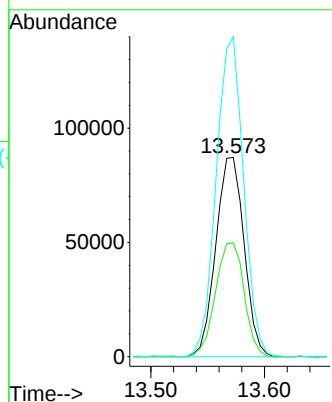
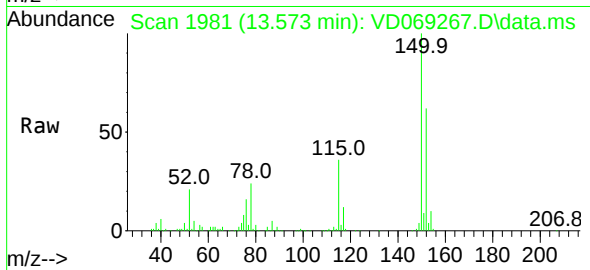




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069267.D
 Acq: 25 May 2021 11:56

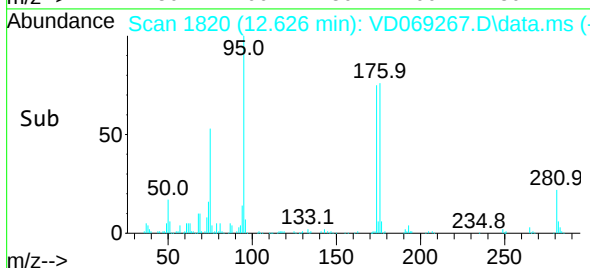
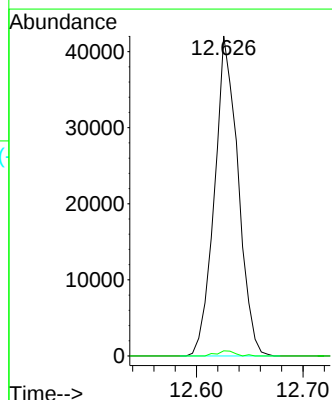
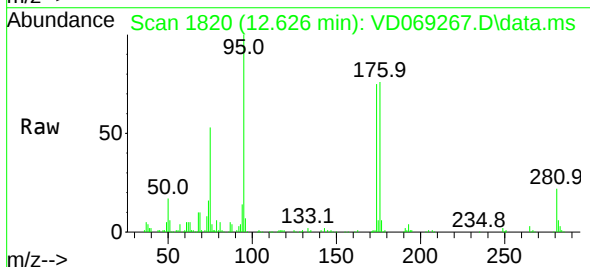
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0525SBL01

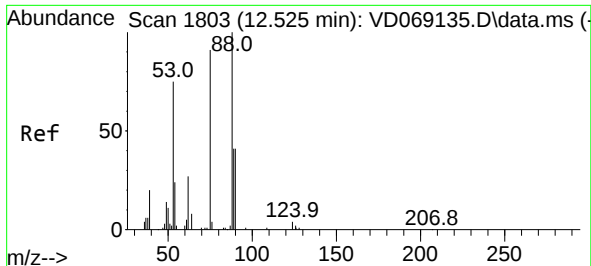
Tgt Ion:152 Resp: 150765
 Ion Ratio Lower Upper
 152 100
 115 57.7 29.9 89.8
 150 155.7 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 56.99 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.153 min
 Lab File: VD069267.D
 Acq: 25 May 2021 11:56

Tgt Ion: 75 Resp: 64582
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

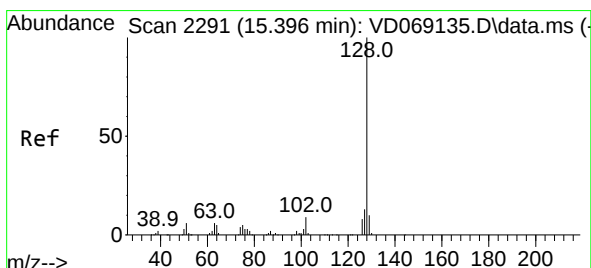
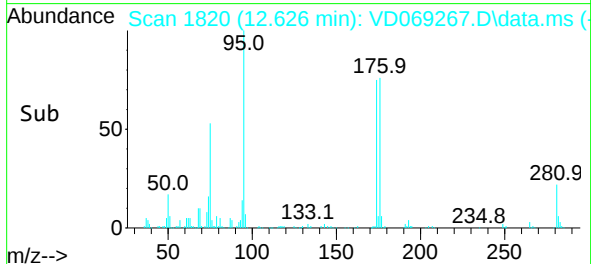
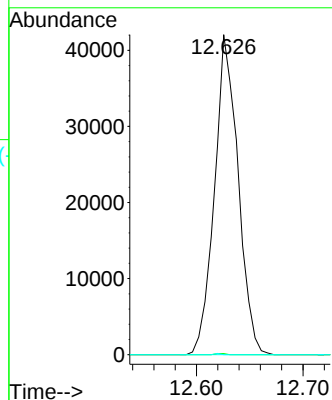
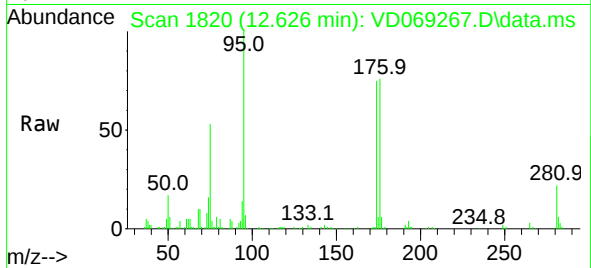




#81
trans-1,4-Dichloro-2-butene
Concen: 115.11 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0525SBL01

Tgt Ion: 75 Resp: 64582
Ion Ratio Lower Upper
75 100
53 0.2 70.0 105.0#
89 0.1 40.2 60.2#



#95
Naphthalene
Concen: 2.57 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069267.D
Acq: 25 May 2021 11:56

Tgt Ion:128 Resp: 2683
Ion Ratio Lower Upper
128 100
127 7.2 10.5 15.7#
129 2.0 8.9 13.3#

