

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
 Data File : VD069053.D
 Acq On : 03 May 2021 20:40
 Operator : VA/SY
 Sample : M2263-02
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 04 04:17:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 04 03:51:01 2021
 Response via : Initial Calibration

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

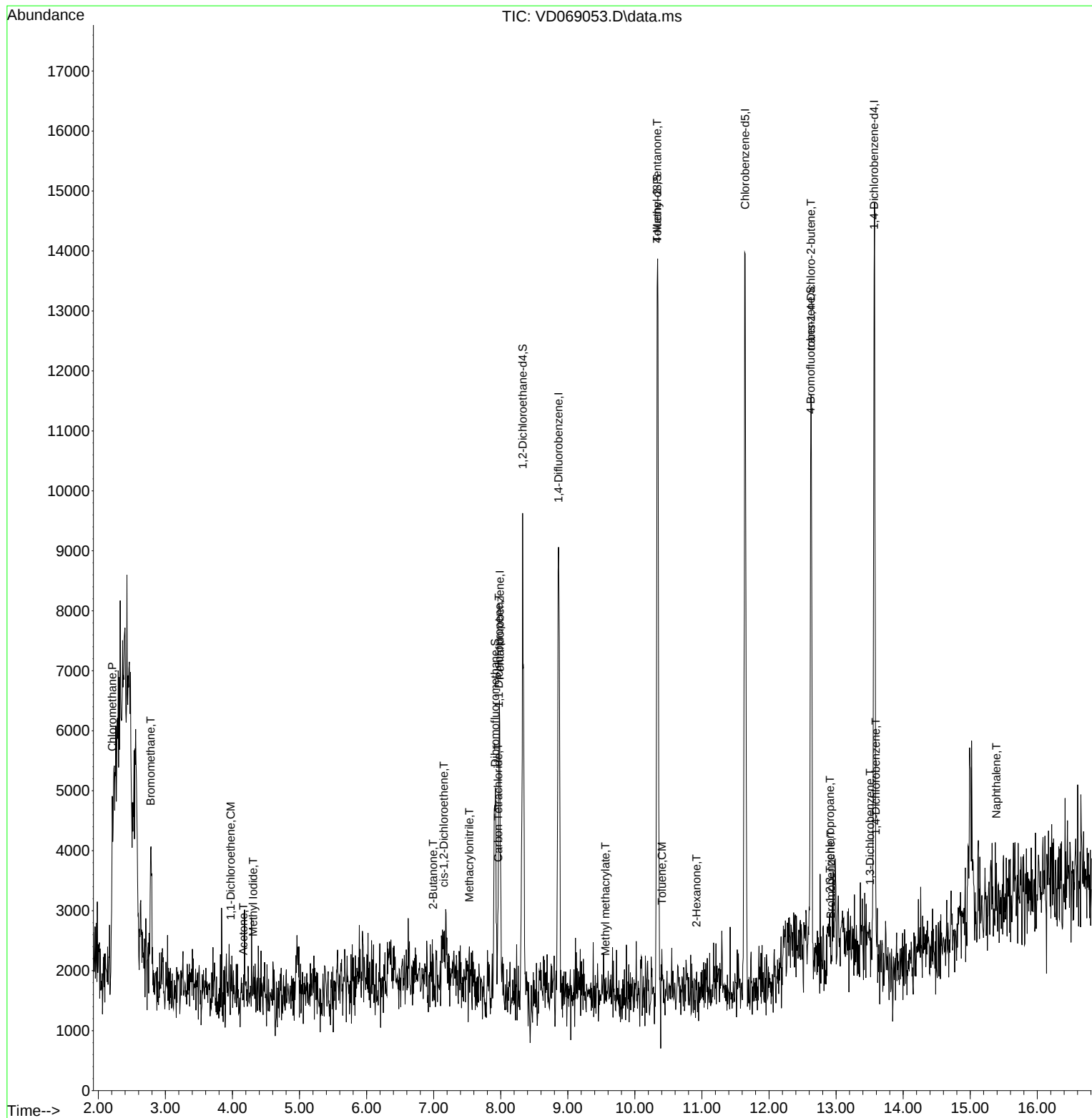
Internal Standards						
1) Pentafluorobenzene	7.985	168	4010	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	7572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	7624	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	3602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4870	96.16	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 192.32%#			
35) Dibromofluoromethane	7.914	113	2636	52.64	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.28%			
50) Toluene-d8	10.332	98	9072	48.92	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.84%			
62) 4-Bromofluorobenzene	12.620	95	3278	52.36	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.72%			
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	647	10.80	ug/l	# 41
5) Bromomethane	2.779	94	1476	35.09	ug/l	# 48
10) Methyl Iodide	4.309	142	518	12.84	ug/l	# 85
12) 1,1-Dichloroethene	3.973	96	61	1.45	ug/l	# 1
16) Acetone	4.162	43	81	10.09	ug/l	# 40
20) Methylene Chloride	4.979	84	342	Below Cal		# 86
25) 2-Butanone	6.991	43	64	5.66	ug/l	# 39
27) cis-1,2-Dichloroethene	7.150	96	62	1.16	ug/l	# 1
36) 1,1-Dichloropropene	7.973	75	263	3.49	ug/l	# 41
38) Carbon Tetrachloride	7.961	117	569	7.04	ug/l	# 12
41) Methacrylonitrile	7.532	41	56	3.32	ug/l	# 21
48) Methyl methacrylate	9.561	41	63	3.13	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.332	43	56	1.93	ug/l	# 30
52) Toluene	10.403	92	140	1.03	ug/l	# 46
59) 2-Hexanone	10.920	43	55	2.80	ug/l	# 19
76) 1,2,3-Trichloropropane	12.908	75	72	2.09	ug/l	# 100
77) Bromobenzene	12.920	156	178	3.12	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	1919	132.12	ug/l	# 16
87) 1,3-Dichlorobenzene	13.508	146	123	1.06	ug/l	# 26
88) 1,4-Dichlorobenzene	13.591	146	161	1.40	ug/l	# 54
95) Naphthalene	15.390	128	383	3.34	ug/l	# 69

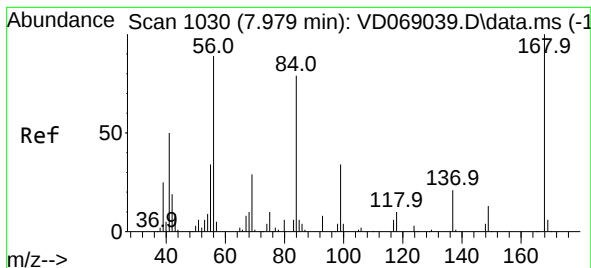
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050321\
Data File : VD069053.D
Acq On : 03 May 2021 20:40
Operator : VA/SY
Sample : M2263-02
Misc : 5.05G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: May 04 04:17:04 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050321S.M
Quant Title : SW846 8260
QLast Update : Tue May 04 03:51:01 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD069053.D

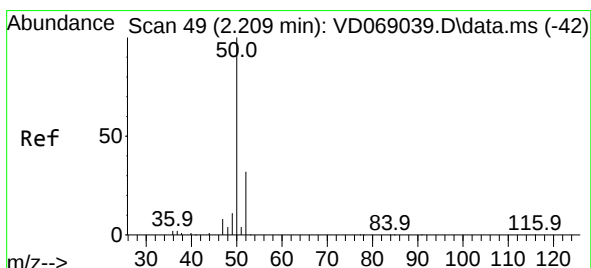
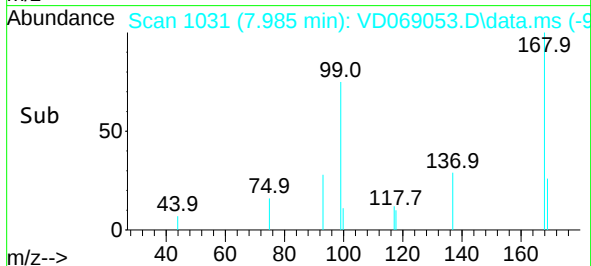
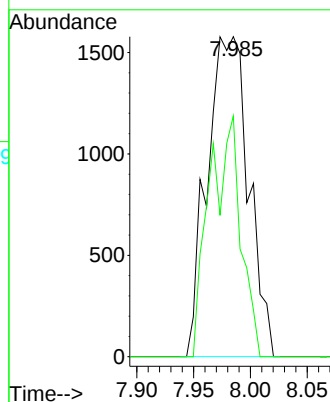
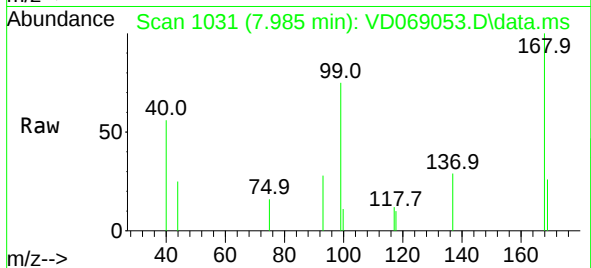
Acq: 03 May 2021 20:40

Tgt Ion:168 Resp: 4010

Ion Ratio Lower Upper

168 100

99 75.2 46.2 69.2#



#3

Chloromethane

Concen: 10.80 ug/l

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD069053.D

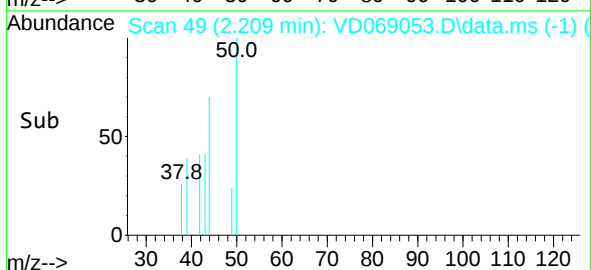
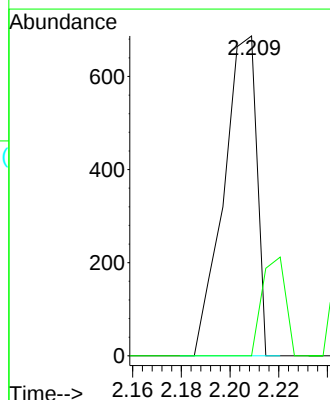
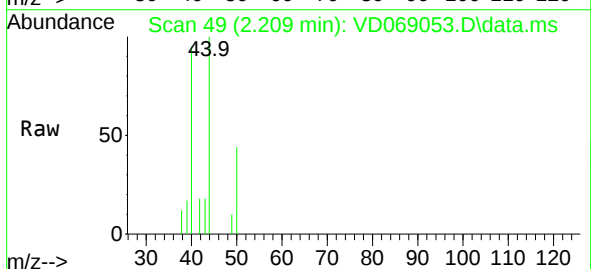
Acq: 03 May 2021 20:40

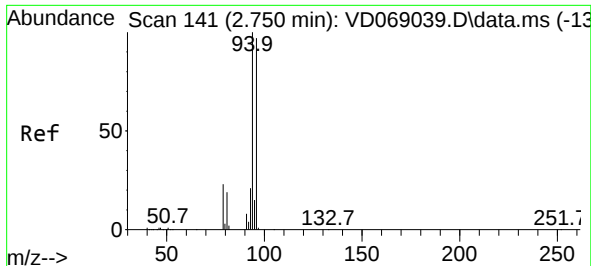
Tgt Ion: 50 Resp: 647

Ion Ratio Lower Upper

50 100

52 0.0 26.7 40.1#

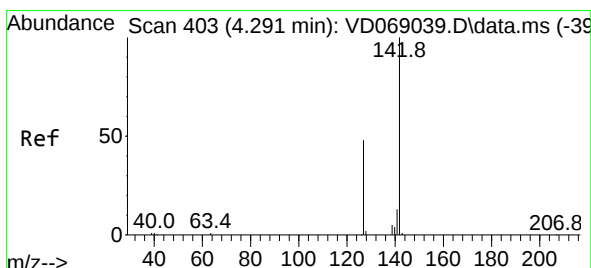
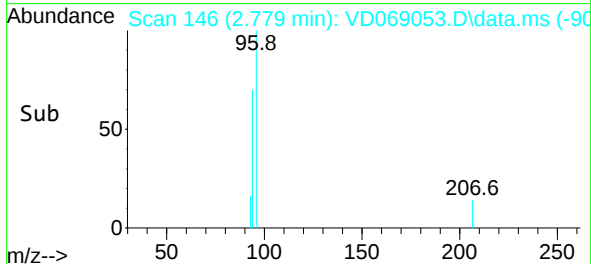
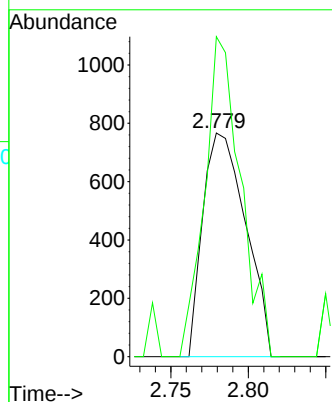
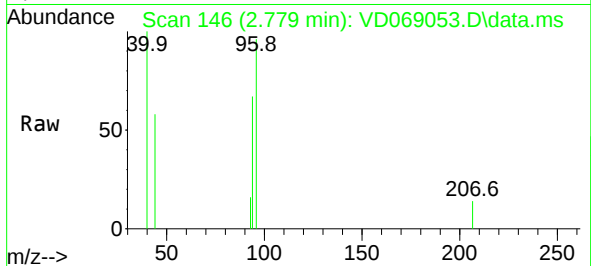




#5
Bromomethane
Concen: 35.09 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.029 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

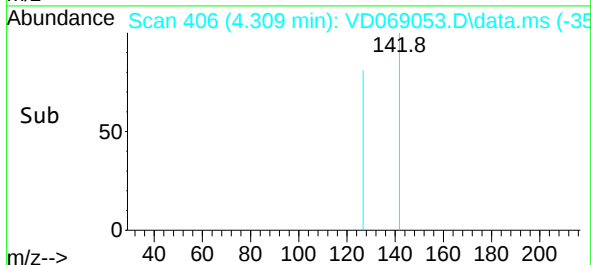
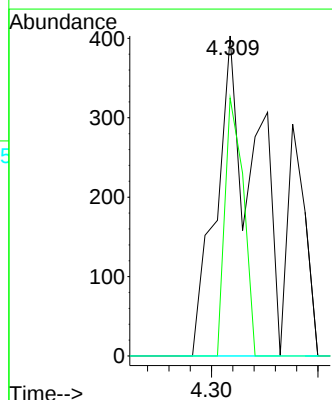
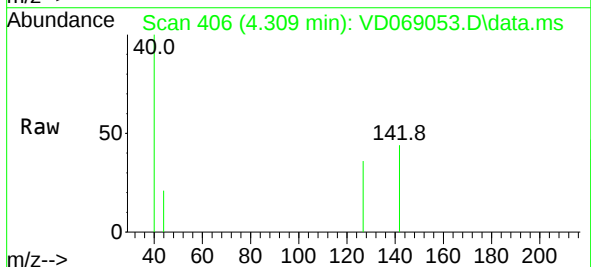
Instrument :
MSVOA_D
ClientSampled :

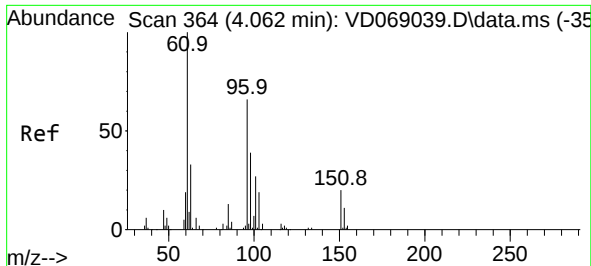
Tgt Ion: 94 Resp: 1476
Ion Ratio Lower Upper
94 100
96 143.0 74.7 112.1#



#10
Methyl Iodide
Concen: 12.84 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.018 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion: 142 Resp: 518
Ion Ratio Lower Upper
142 100
127 37.8 34.7 52.1
141 0.0 11.0 16.4#





#12

1,1-Dichloroethene

Concen: 1.45 ug/l

RT: 3.973 min Scan# 349

Delta R.T. -0.089 min

Lab File: VD069053.D

Acq: 03 May 2021 20:40

Tgt Ion: 96 Resp: 61

Ion Ratio Lower Upper

96 100

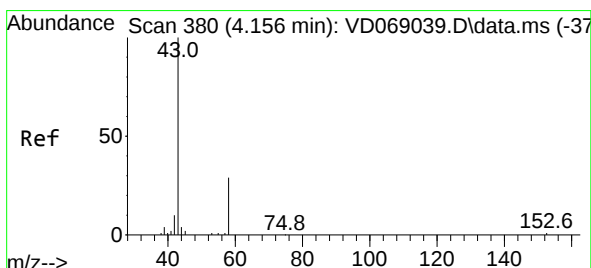
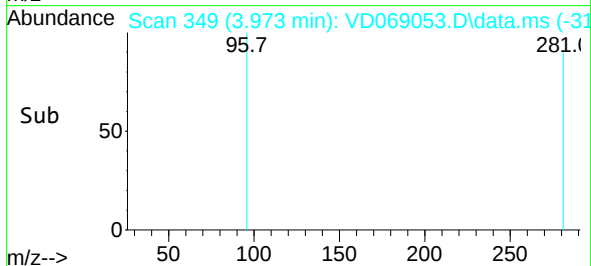
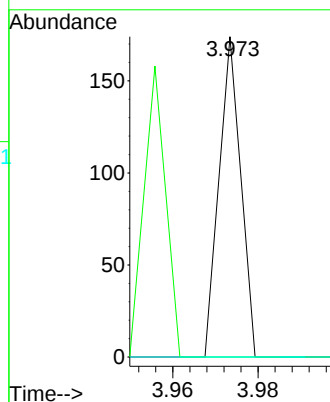
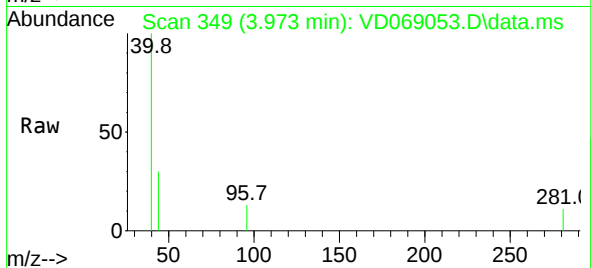
61 0.0 112.2 168.2#

98 0.0 50.2 75.2#

Instrument :

MSVOA_D

ClientSampleId :



#16

Acetone

Concen: 10.09 ug/l

RT: 4.162 min Scan# 381

Delta R.T. 0.006 min

Lab File: VD069053.D

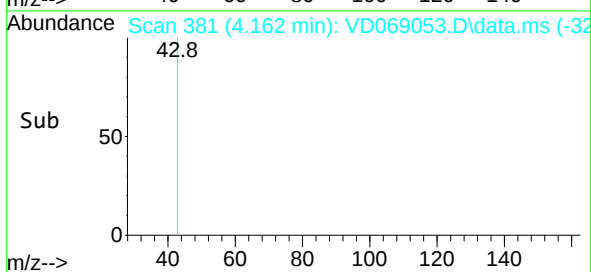
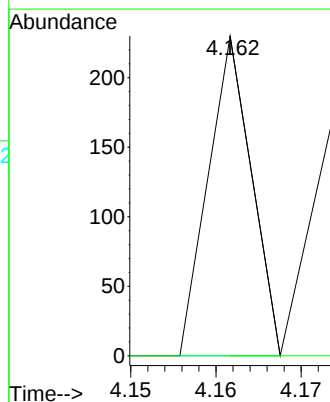
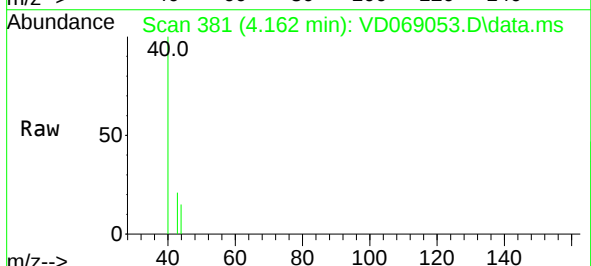
Acq: 03 May 2021 20:40

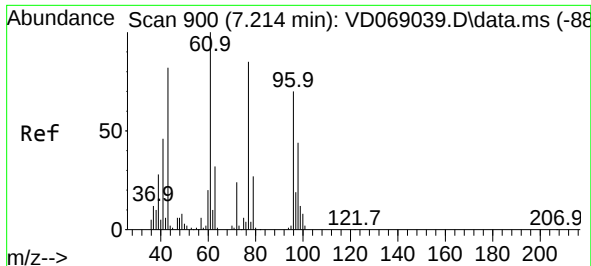
Tgt Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

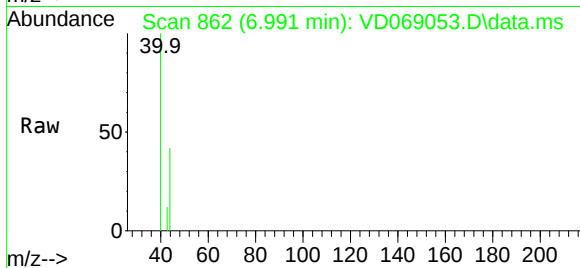
58 0.0 28.0 42.0#



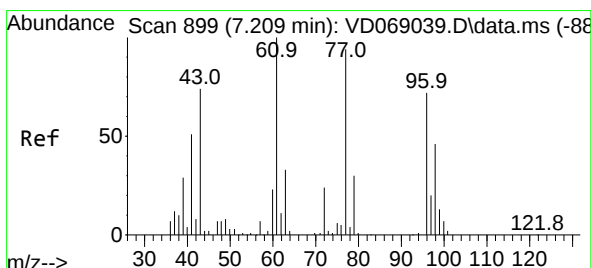
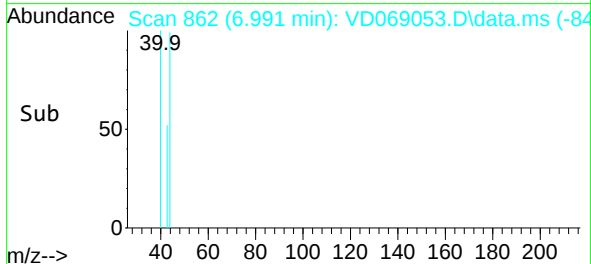
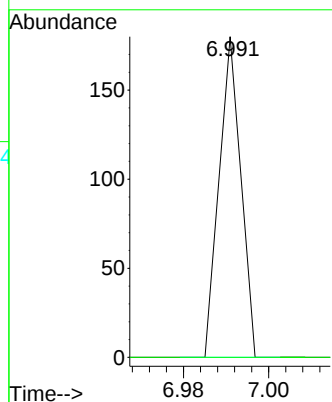


#25
2-Butanone
Concen: 5.66 ug/l
RT: 6.991 min Scan# 862
Delta R.T. -0.223 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Instrument :
MSVOA_D
ClientSampled :

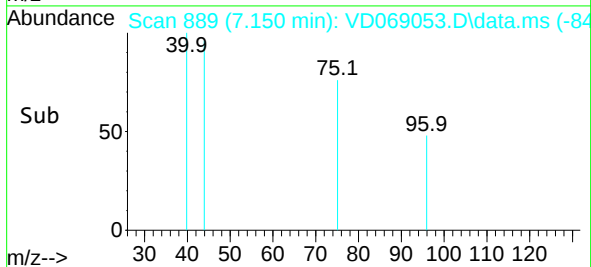
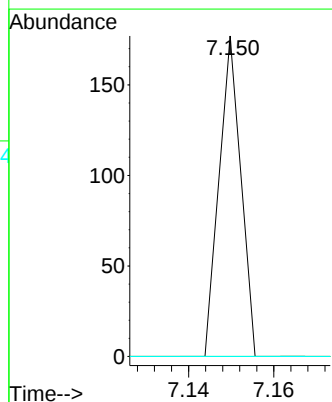
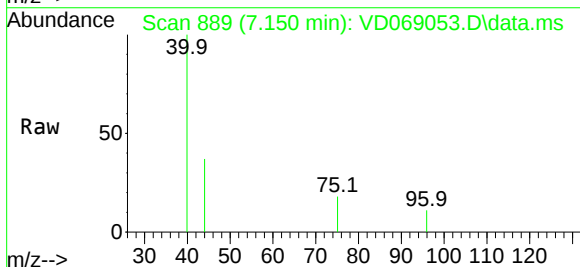


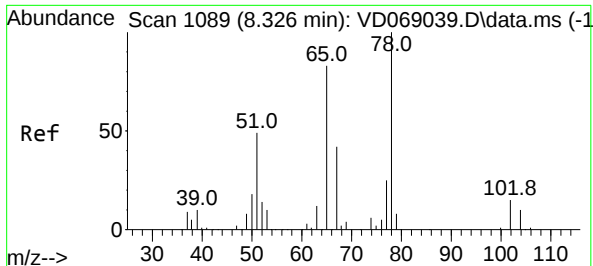
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
72 0.0 28.6 43.0#



#27
cis-1,2-Dichloroethene
Concen: 1.16 ug/l
RT: 7.150 min Scan# 889
Delta R.T. -0.059 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 0.0 0.0 258.8
98 0.0 0.0 128.4





#33

1,2-Dichloroethane-d4

Concen: 96.16 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD069053.D

Acq: 03 May 2021 20:40

Tgt Ion: 65 Resp: 4870

Ion Ratio Lower Upper

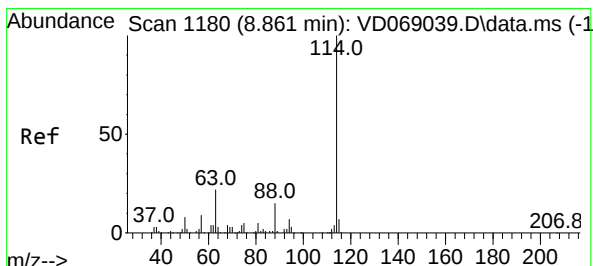
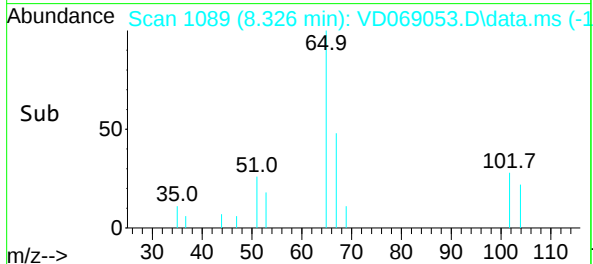
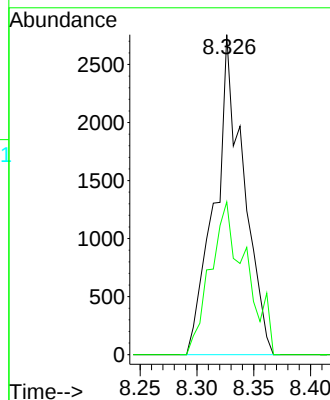
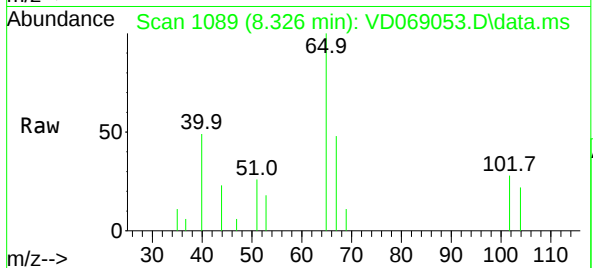
65 100

67 59.0 0.0 106.0

Instrument :

MSVOA_D

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069053.D

Acq: 03 May 2021 20:40

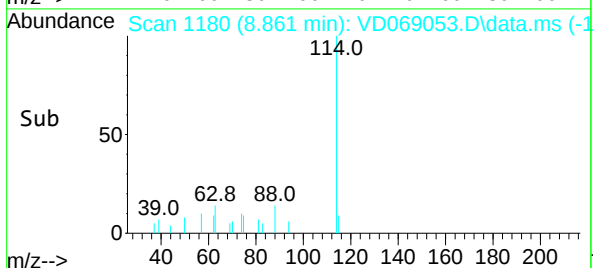
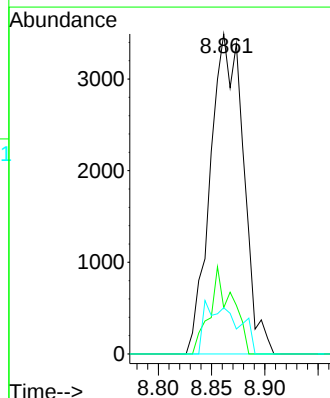
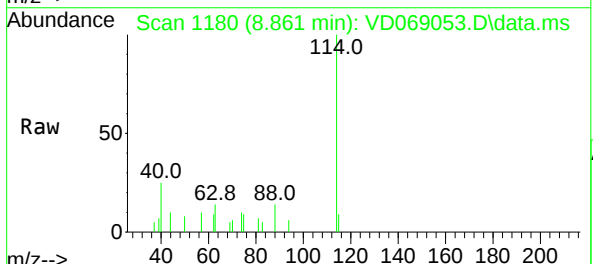
Tgt Ion: 114 Resp: 7572

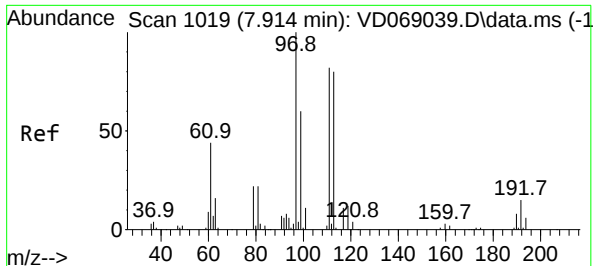
Ion Ratio Lower Upper

114 100

63 14.4 0.0 38.2

88 14.5 0.0 29.4





#35

Dibromofluoromethane

Concen: 52.64 ug/l

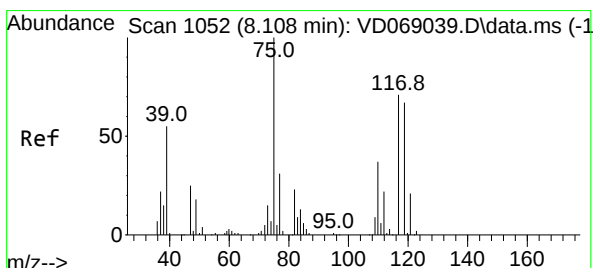
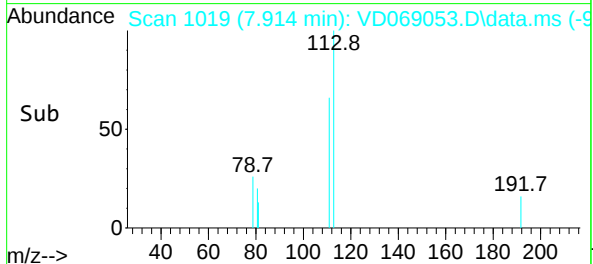
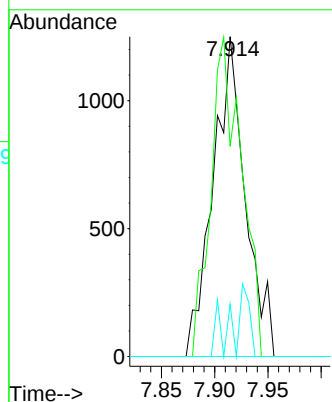
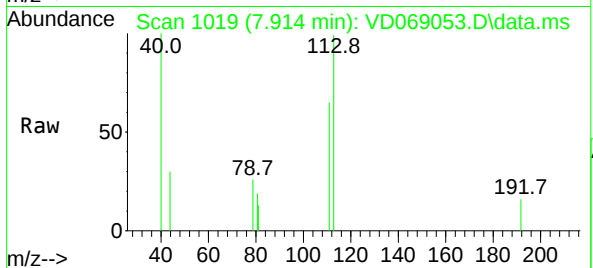
RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069053.D

Acq: 03 May 2021 20:40

Tgt Ion:	113	Resp:	2636
Ion	Ratio	Lower	Upper
113	100		
111	95.3	82.5	123.7
192	3.0	15.1	22.7#



#36

1,1-Dichloropropene

Concen: 3.49 ug/l

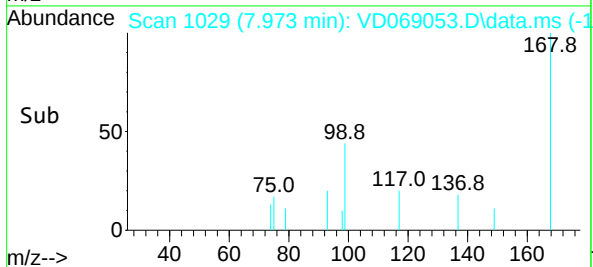
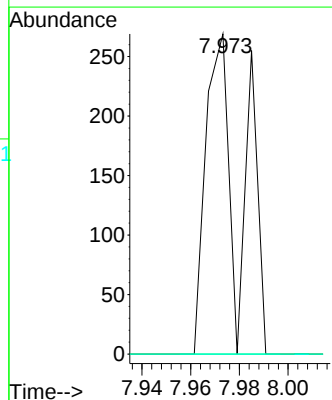
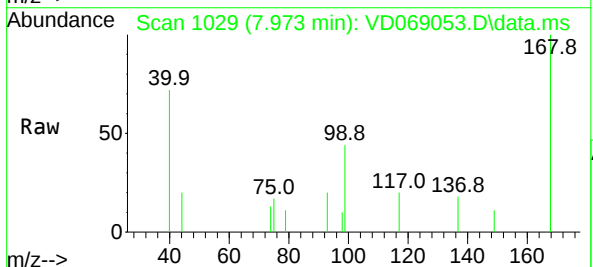
RT: 7.973 min Scan# 1029

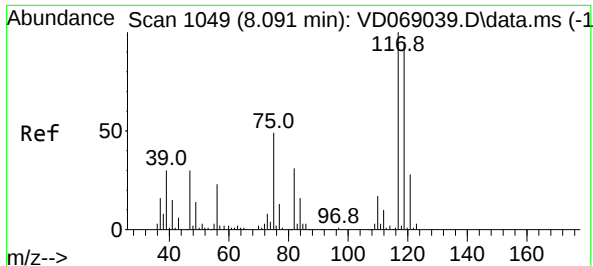
Delta R.T. -0.135 min

Lab File: VD069053.D

Acq: 03 May 2021 20:40

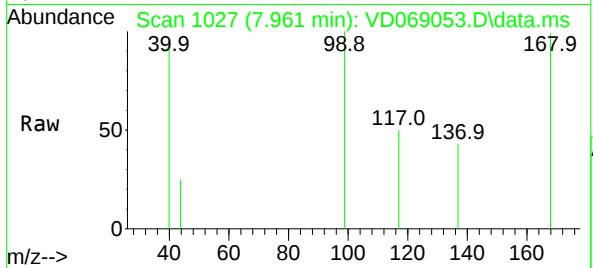
Tgt Ion:	75	Resp:	263
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.4#
77	0.0	24.7	37.1#



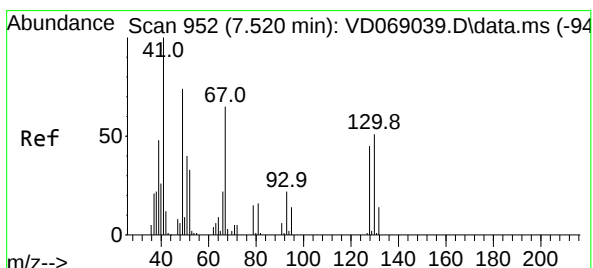
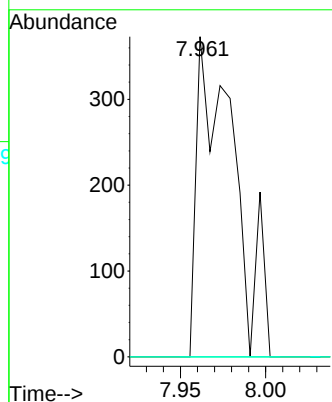
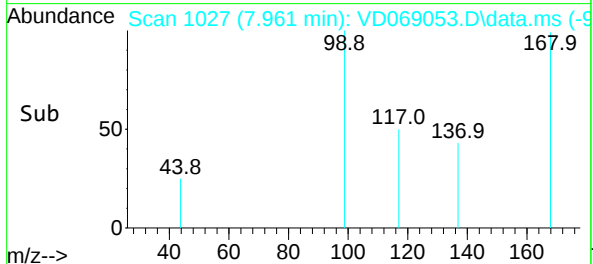


#38
Carbon Tetrachloride
Concen: 7.04 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.130 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

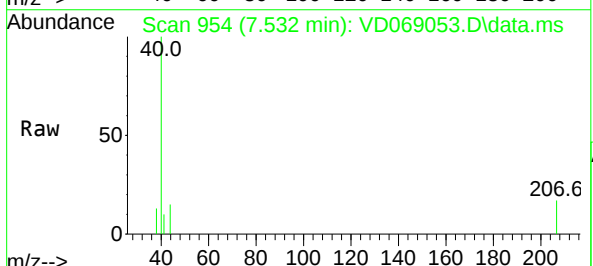
Instrument :
MSVOA_D
ClientSampled :



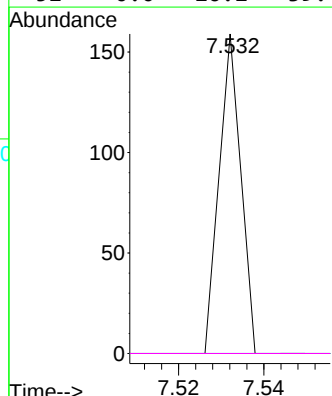
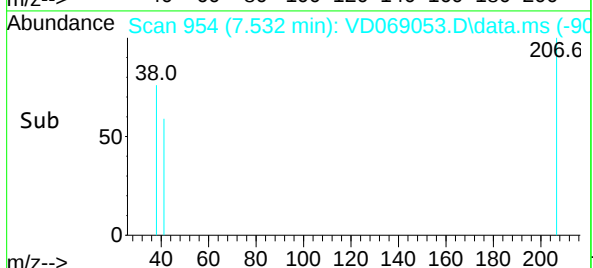
Tgt Ion:117 Resp: 569
Ion Ratio Lower Upper
117 100
119 0.0 76.6 115.0#
121 0.0 26.1 39.1#

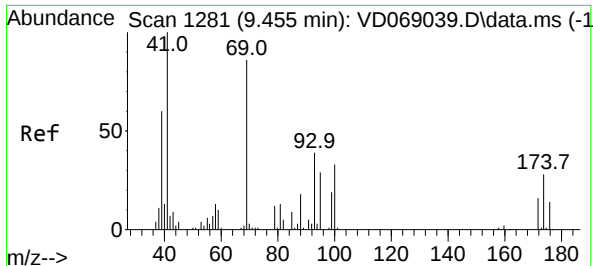


#41
Methacrylonitrile
Concen: 3.32 ug/l
RT: 7.532 min Scan# 954
Delta R.T. 0.012 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40



Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 43.2 64.8#
67 0.0 63.9 95.9#
52 0.0 26.2 39.4#





#48

Methyl methacrylate

Concen: 3.13 ug/l

RT: 9.561 min Scan# 1299

Delta R.T. 0.106 min

Lab File: VD069053.D

Acq: 03 May 2021 20:40

Tgt Ion: 41 Resp: 63

Ion Ratio Lower Upper

41 100

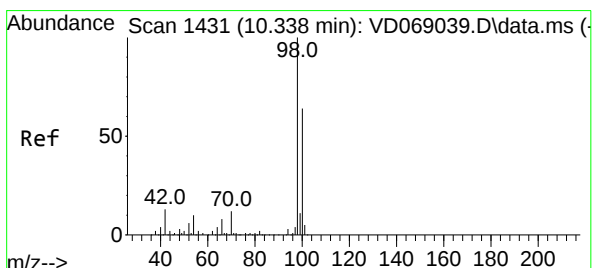
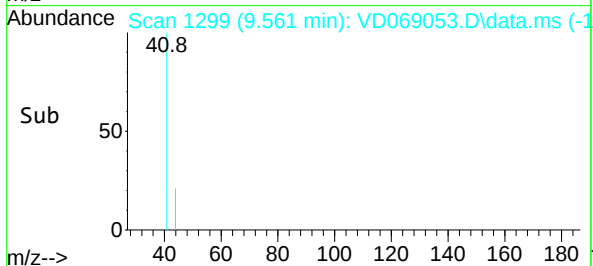
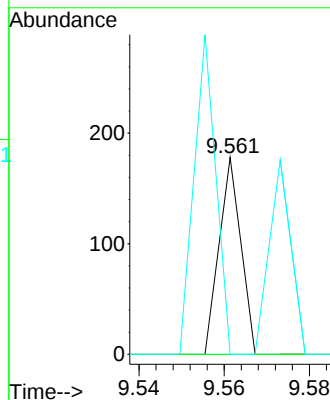
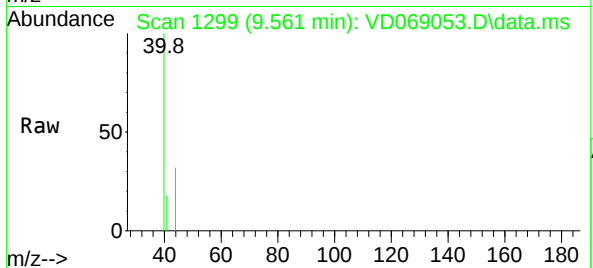
69 0.0 83.0 124.6#

39 161.9 47.0 70.6#

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 48.92 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD069053.D

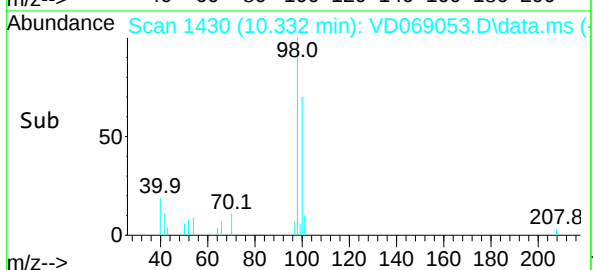
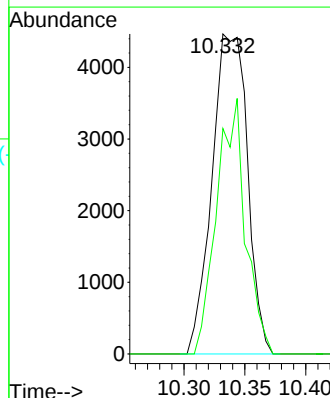
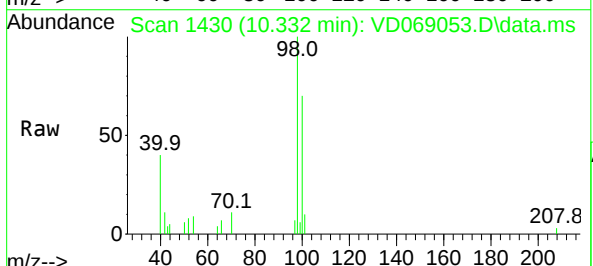
Acq: 03 May 2021 20:40

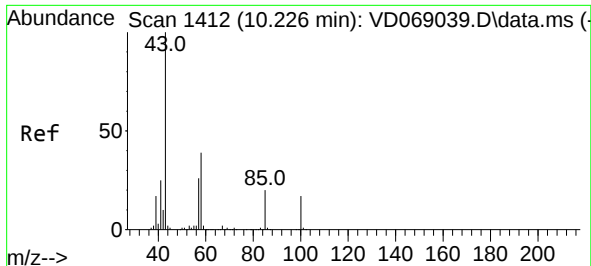
Tgt Ion: 98 Resp: 9072

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6

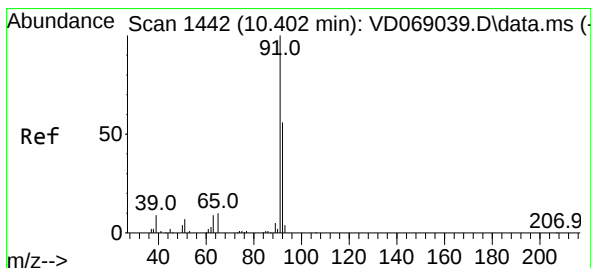
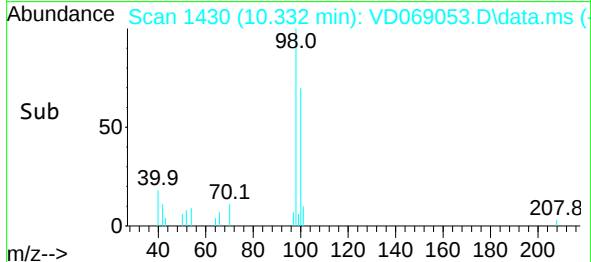
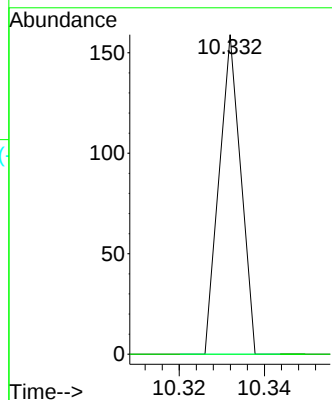
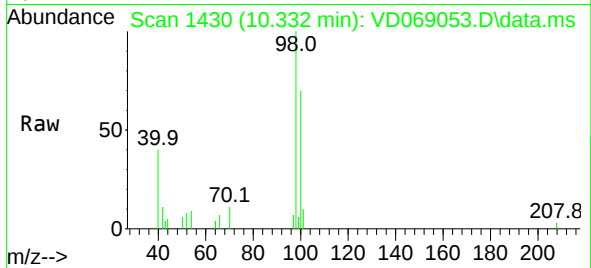




#51
4-Methyl-2-Pentanone
Concen: 1.93 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

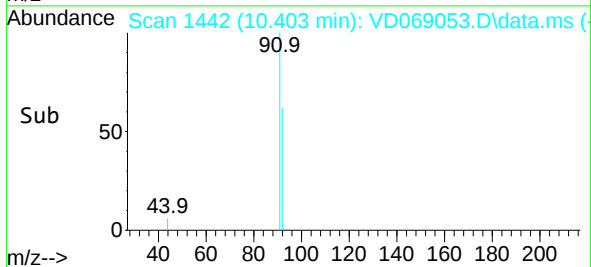
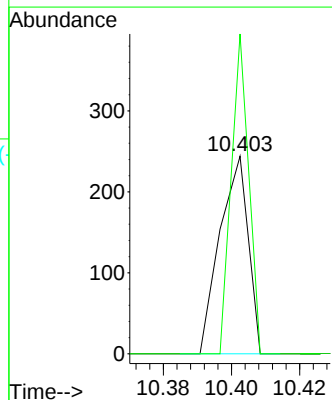
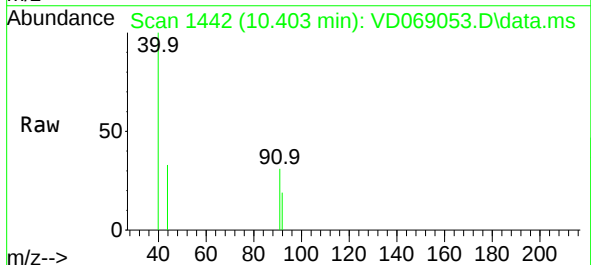
Instrument :
MSVOA_D
ClientSampled :

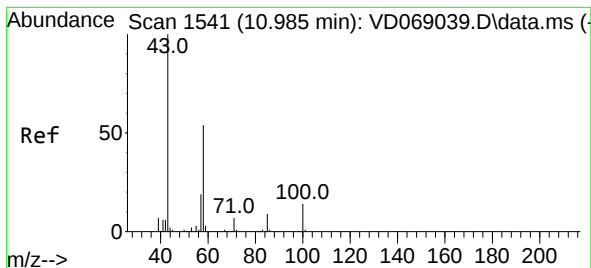
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 37.3 55.9#



#52
Toluene
Concen: 1.03 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.001 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion: 92 Resp: 140
Ion Ratio Lower Upper
92 100
91 99.3 139.1 208.7#

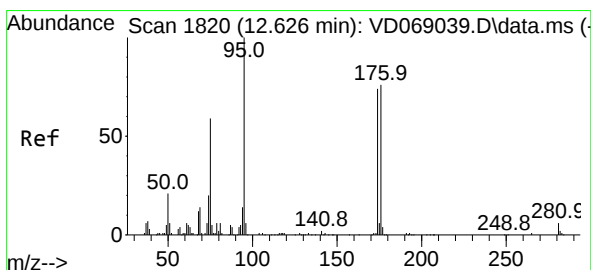
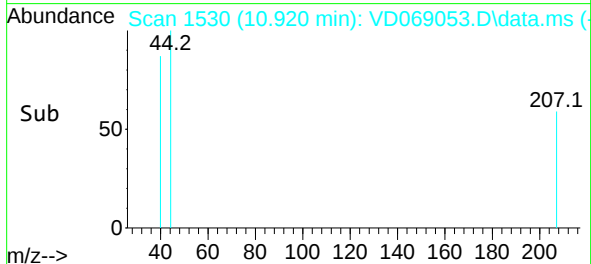
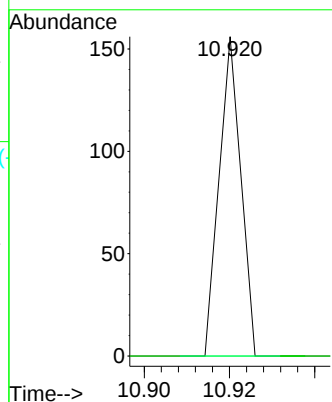
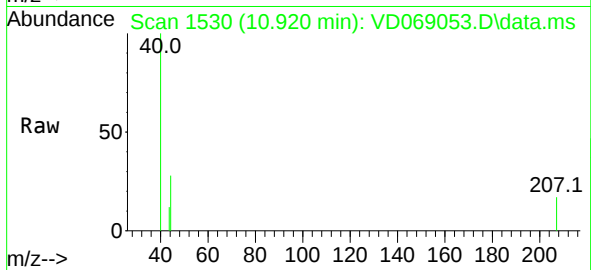




#59
2-Hexanone
Concen: 2.80 ug/l
RT: 10.920 min Scan# 1530
Delta R.T. -0.065 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

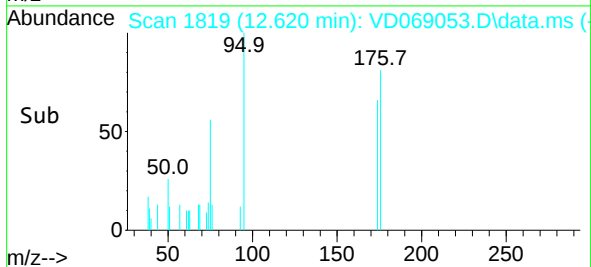
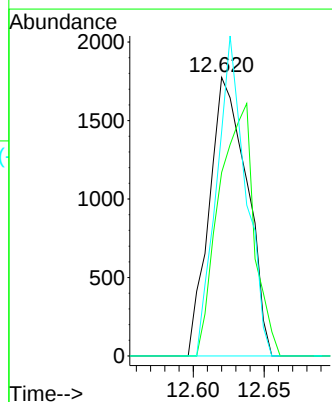
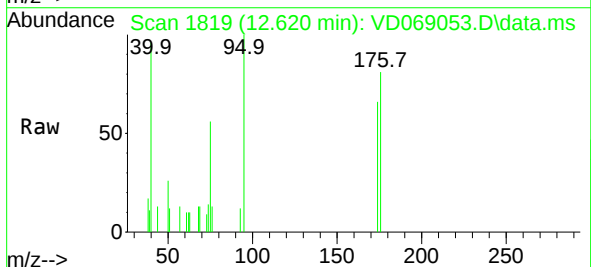
Instrument :
MSVOA_D
ClientSampled :

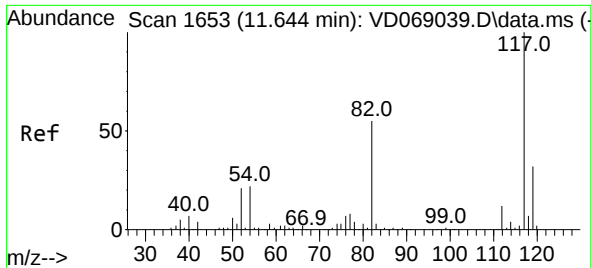
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 52.36 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion: 95 Resp: 3278
Ion Ratio Lower Upper
95 100
174 84.3 0.0 168.0
176 88.8 0.0 160.2

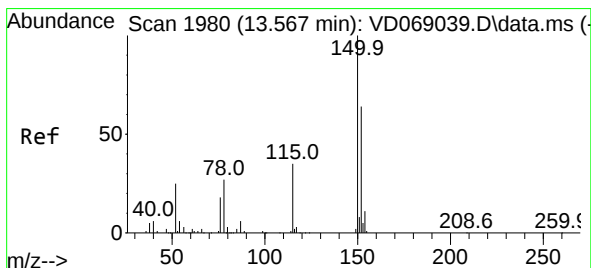
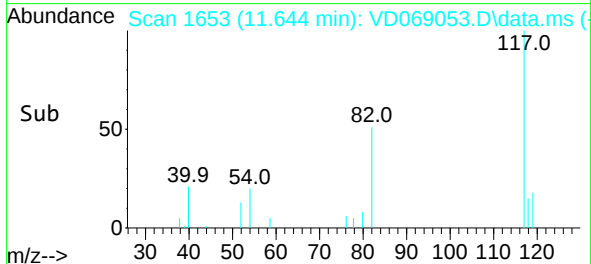
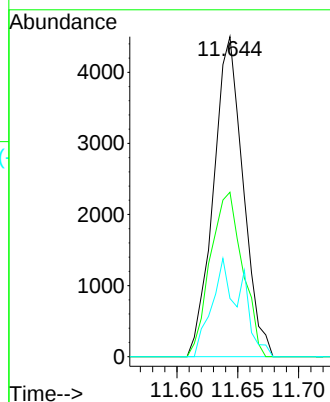
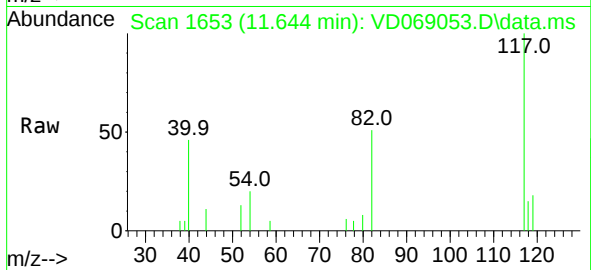




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

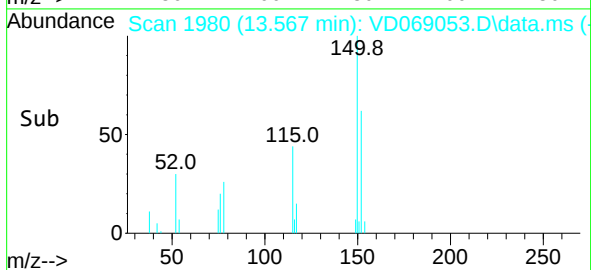
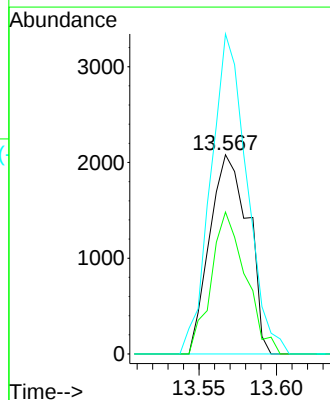
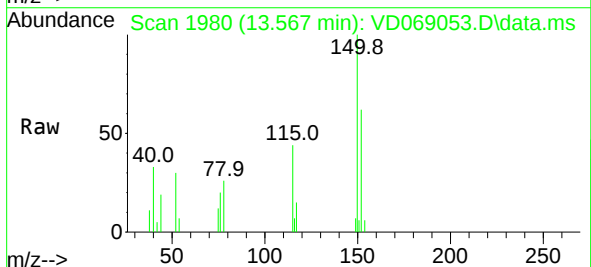
Instrument :
MSVOA_D
ClientSampled :

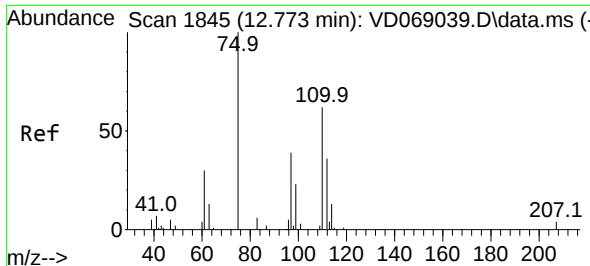
Tgt Ion:117 Resp: 7624
Ion Ratio Lower Upper
117 100
82 51.4 43.5 65.3
119 18.2 26.7 40.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion:152 Resp: 3602
Ion Ratio Lower Upper
152 100
115 63.7 29.3 87.8
150 150.1 0.0 347.6

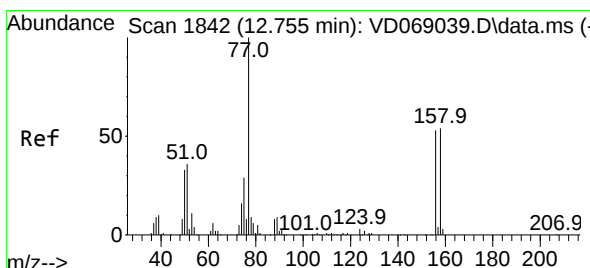
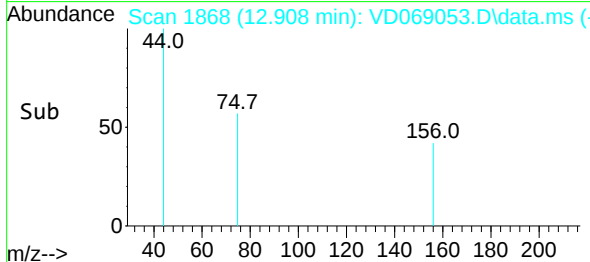
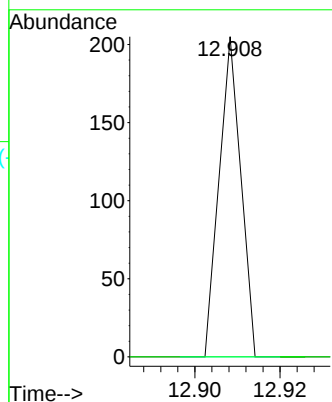
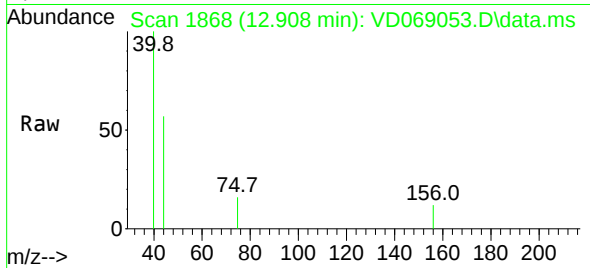




#76
1,2,3-Trichloropropane
Concen: 2.09 ug/l
RT: 12.908 min Scan# 1868
Delta R.T. 0.135 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

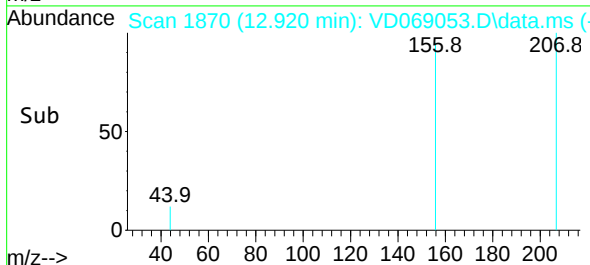
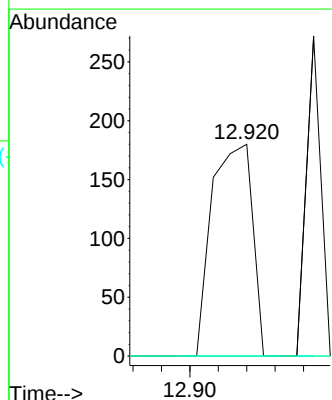
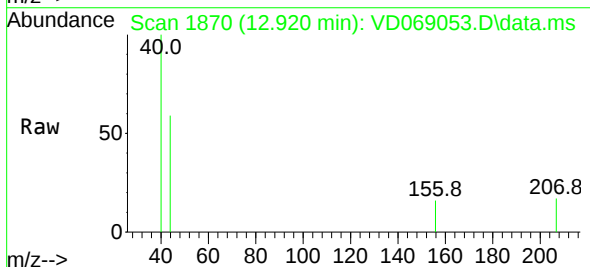
Instrument :
MSVOA_D
ClientSampleId :

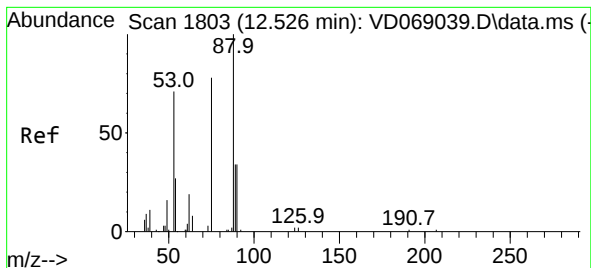
Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 3.12 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. 0.165 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion: 156 Resp: 178
Ion Ratio Lower Upper
156 100
77 0.0 88.9 266.8#
158 0.0 47.7 143.1#

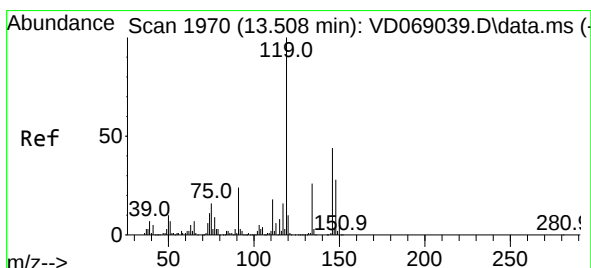
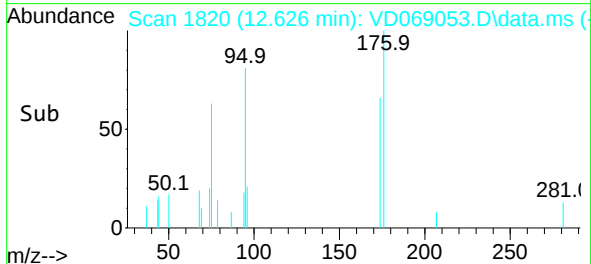
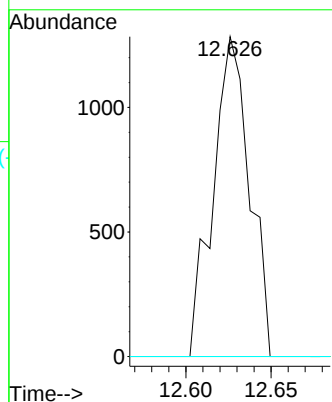
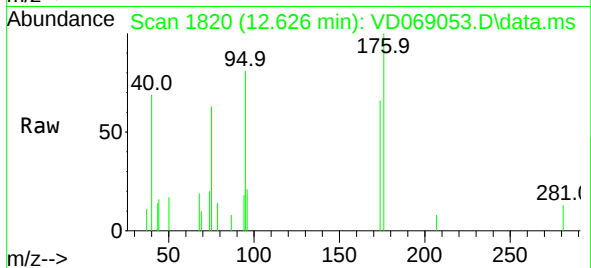




#81
trans-1,4-Dichloro-2-butene
Concen: 132.12 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

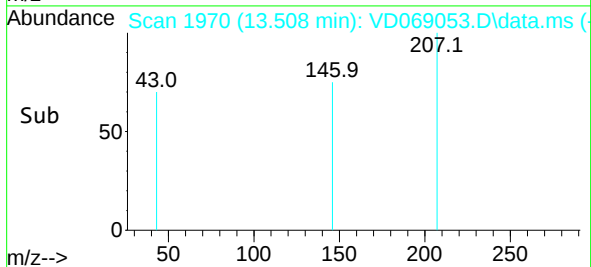
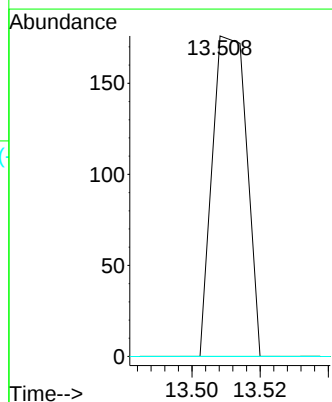
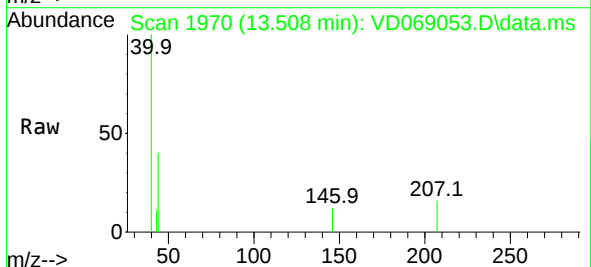
Instrument :
MSVOA_D
ClientSampled :

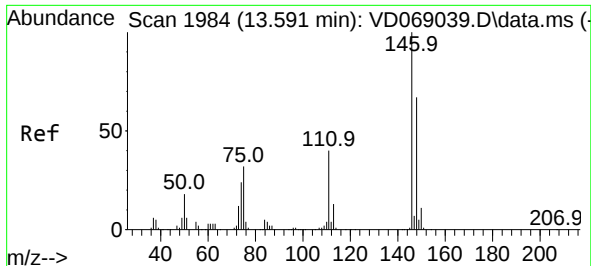
Tgt Ion: 75 Resp: 1919
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 36.6 54.8#



#87
1,3-Dichlorobenzene
Concen: 1.06 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion: 146 Resp: 123
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.8#
148 0.0 30.9 92.8#

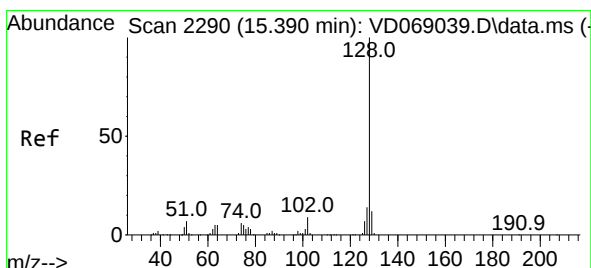
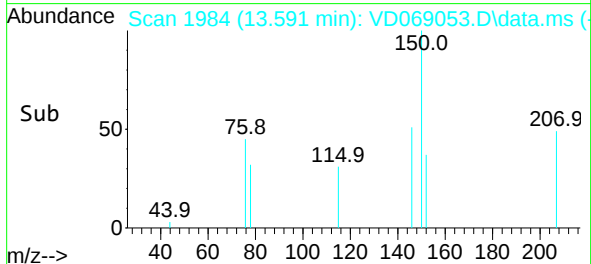
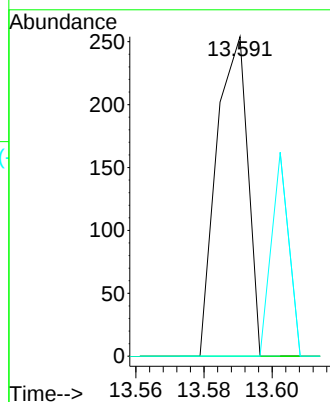
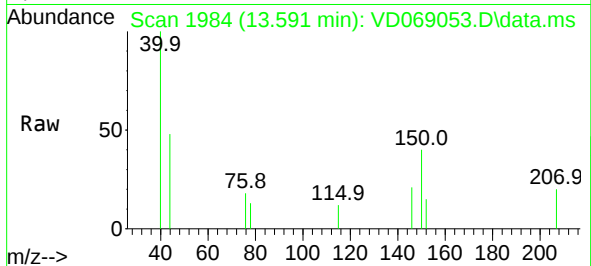




#88
1,4-Dichlorobenzene
Concen: 1.40 ug/l
RT: 13.591 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:146 Resp: 161
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 35.4 31.6 95.0



#95
Naphthalene
Concen: 3.34 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069053.D
Acq: 03 May 2021 20:40

Tgt Ion:128 Resp: 383
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.9 13.3#

