

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069565.D
 Acq On : 25 Jun 2021 14:54
 Operator : VA/SY
 Sample : M2856-09
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-9.5-10.0

Quant Time: Jun 26 03:38:49 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)

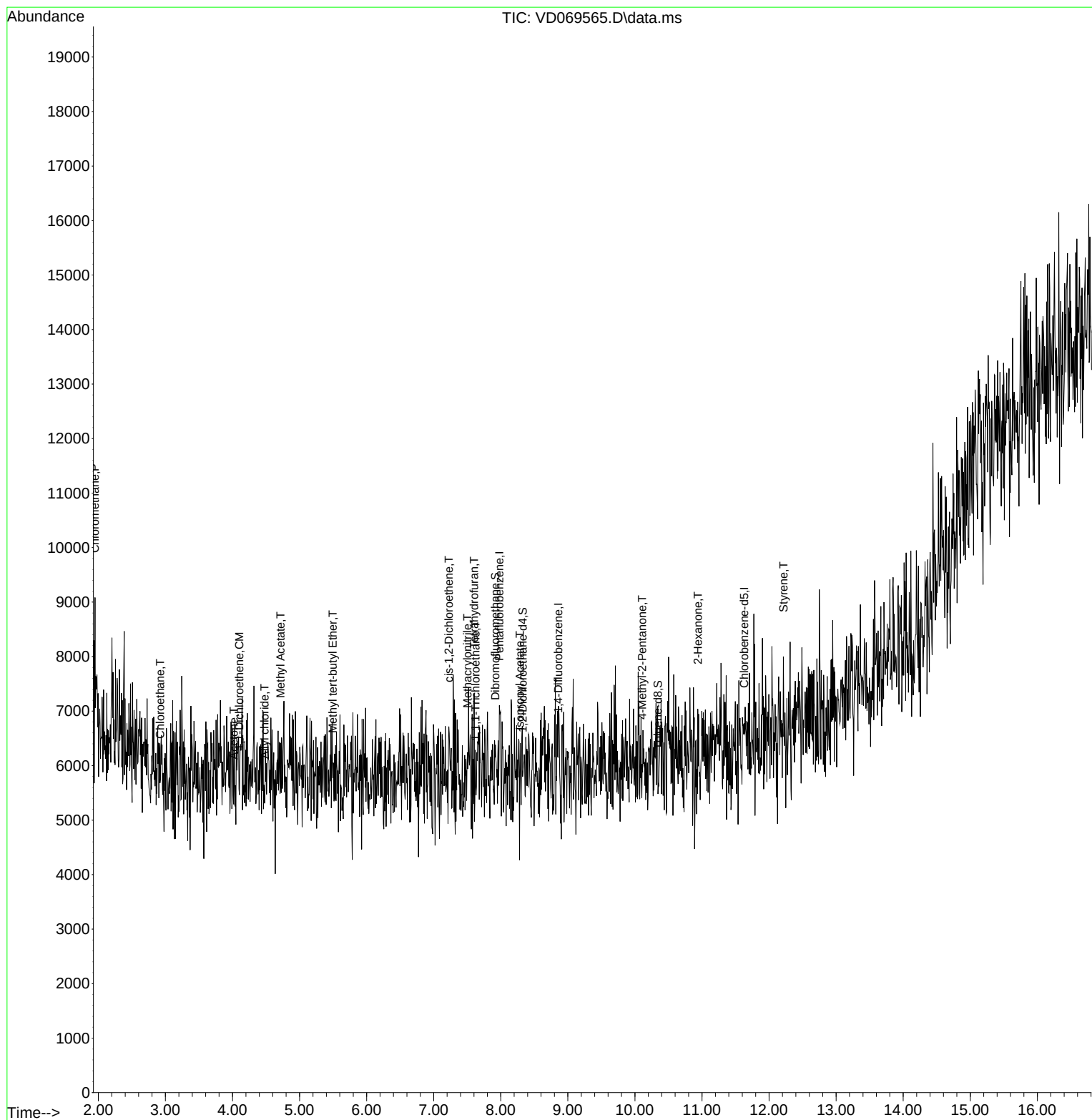
Internal Standards						
1) Pentafluorobenzene	7.979	168	782	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	364	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.632	117	333	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.57
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	105	10.772	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	21.540%#
35) Dibromofluoromethane	7.920	113	144	58.523	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.040%
50) Toluene-d8	10.344	98	531	57.533	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.060%
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	25 - 144	Recovery	=	0.000%#
Target Compounds						
						Qvalue
3) Chloromethane	1.950	50	67	6.107	ug/l	# 42
6) Chloroethane	2.920	64	53	6.506	ug/l	# 43
12) 1,1-Dichloroethene	4.103	96	114	14.763	ug/l	# 1
14) Allyl chloride	4.479	41	69	6.374	ug/l	# 21
16) Acetone	4.020	43	58	35.352	ug/l	# 41
18) Methyl Acetate	4.714	43	84	18.916	ug/l	# 49
19) Methyl tert-butyl Ether	5.497	73	132	8.698	ug/l	# 53
27) cis-1,2-Dichloroethene	7.226	96	56	5.532	ug/l	# 1
29) Tetrahydrofuran	7.603	42	91	79.615	ug/l	# 31
32) 1,1,1-Trichloroethane	7.626	97	58	3.853	ug/l	# 23
41) Methacrylonitrile	7.503	41	64	82.958	ug/l	# 18
43) Isopropyl Acetate	8.285	43	62	25.744	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.108	43	54	42.638	ug/l	# 34
59) 2-Hexanone	10.938	43	62	72.545	ug/l	# 22
70) Styrene	12.214	104	54	7.851	ug/l	# 25

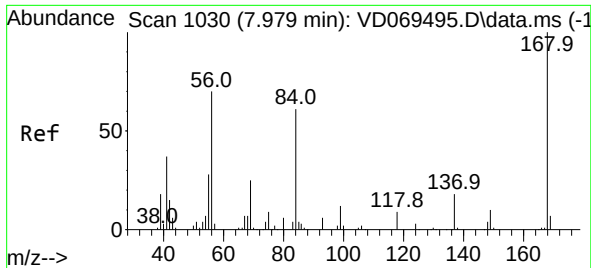
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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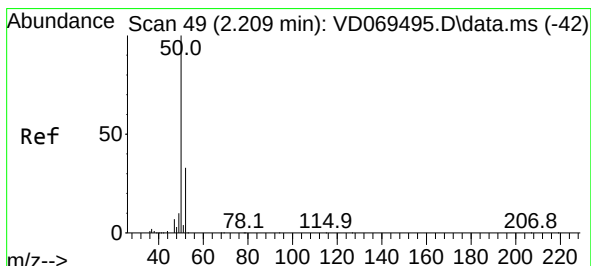
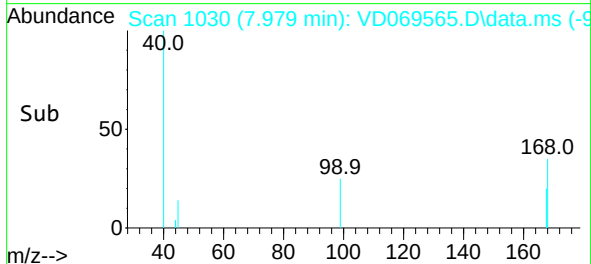
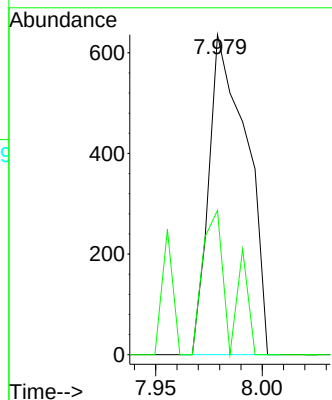
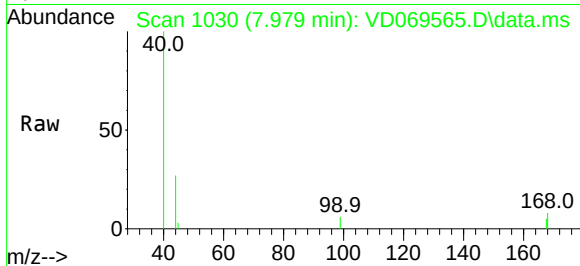




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

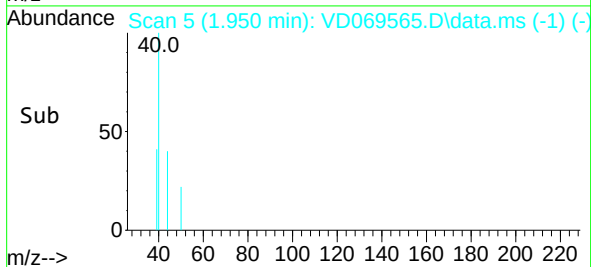
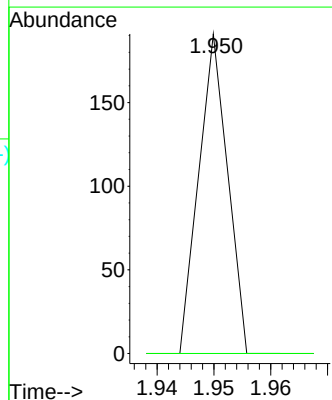
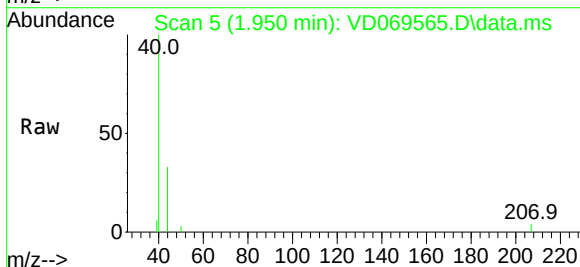
Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

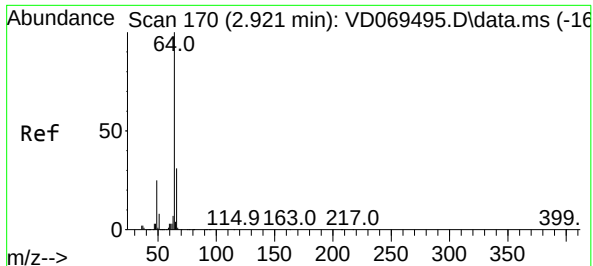
Tgt Ion:168 Resp: 782
Ion Ratio Lower Upper
168 100
99 45.1 49.3 73.9#



#3
Chloromethane
Concen: 6.107 ug/l
RT: 1.950 min Scan# 5
Delta R.T. -0.259 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 50 Resp: 67
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

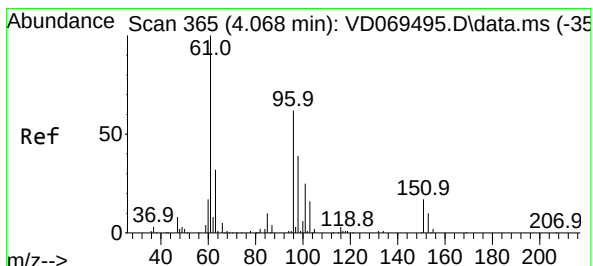
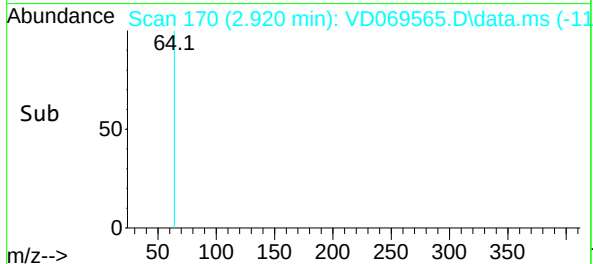
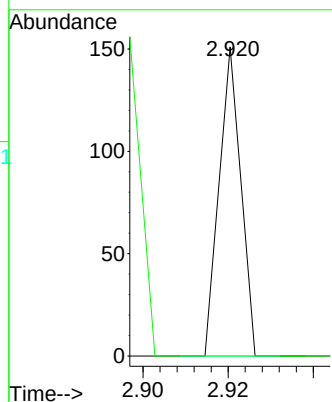
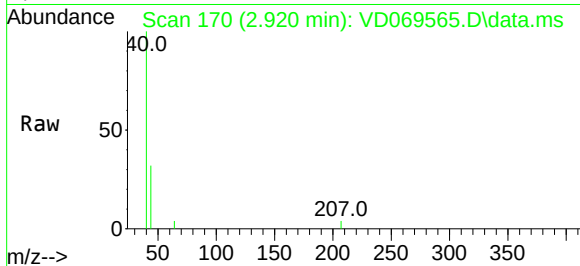




#6
Chloroethane
Concen: 6.506 ug/l
RT: 2.920 min Scan# 170
Delta R.T. -0.001 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

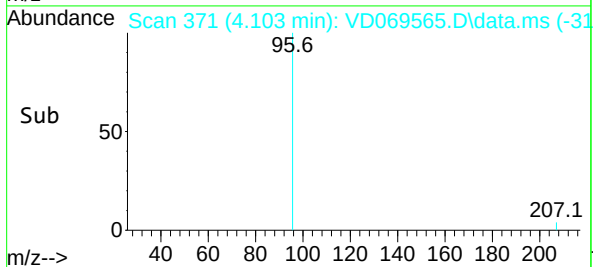
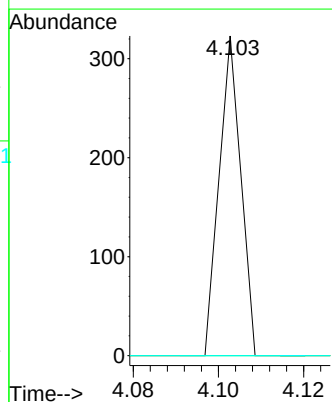
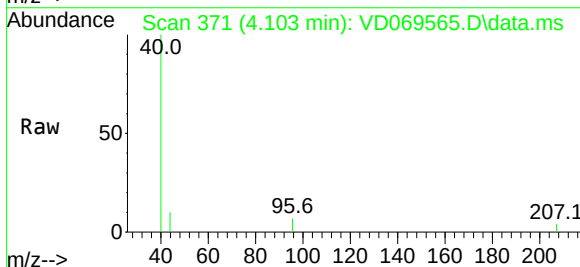
Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

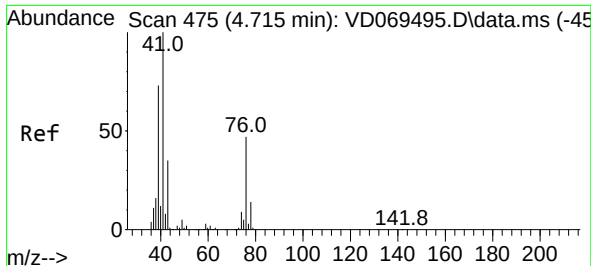
Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#



#12
1,1-Dichloroethene
Concen: 14.763 ug/l
RT: 4.103 min Scan# 371
Delta R.T. 0.035 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 96 Resp: 114
Ion Ratio Lower Upper
96 100
61 0.0 130.1 195.1#
98 0.0 51.2 76.8#

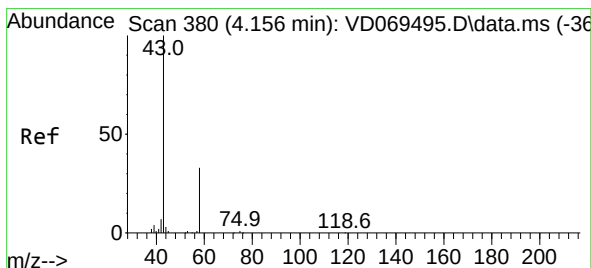
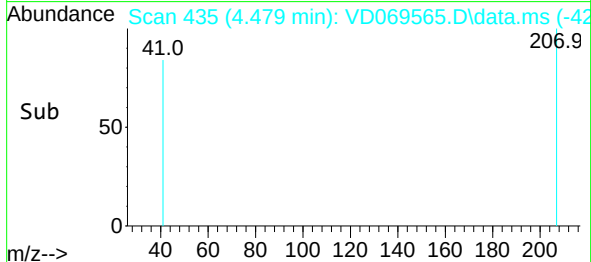
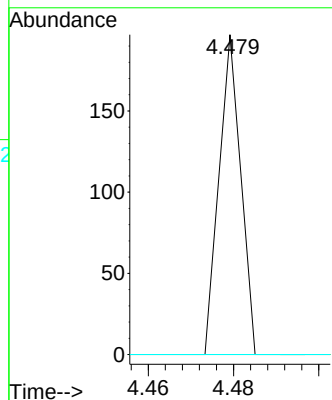
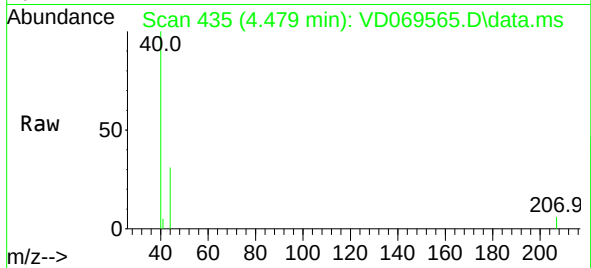




#14
 Allyl chloride
 Concen: 6.374 ug/l
 RT: 4.479 min Scan# 435
 Delta R.T. -0.235 min
 Lab File: VD069565.D
 Acq: 25 Jun 2021 14:54

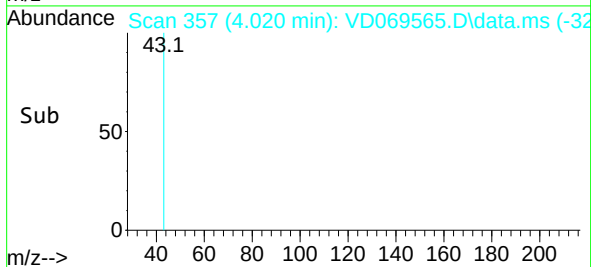
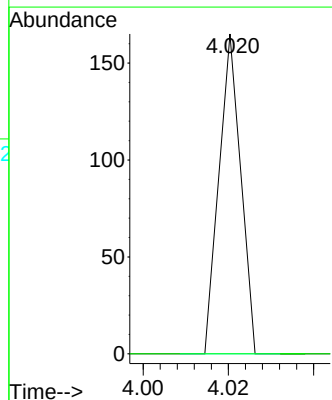
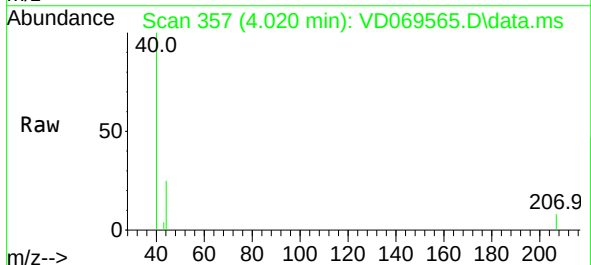
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-9.5-10.0

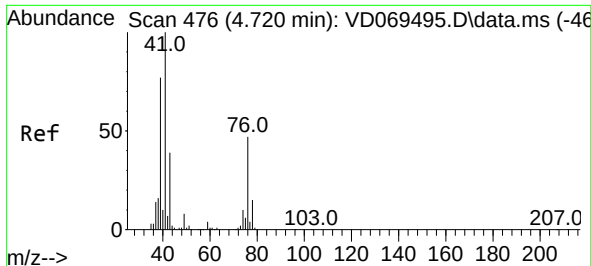
Tgt Ion: 41 Resp: 69
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.2 87.4#
 76 0.0 33.8 50.8#



#16
 Acetone
 Concen: 35.352 ug/l
 RT: 4.020 min Scan# 357
 Delta R.T. -0.135 min
 Lab File: VD069565.D
 Acq: 25 Jun 2021 14:54

Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.8 40.2#

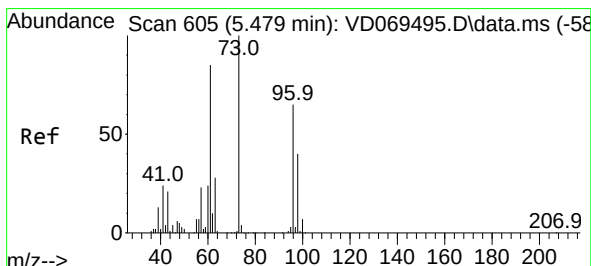
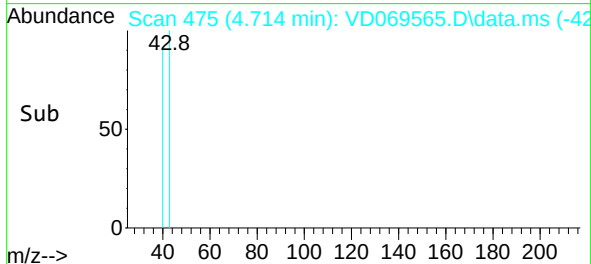
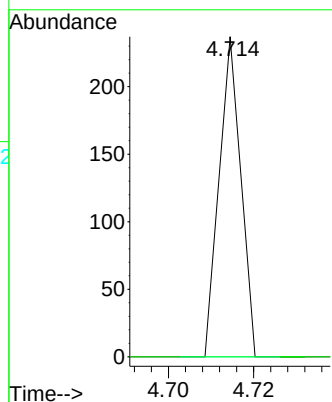
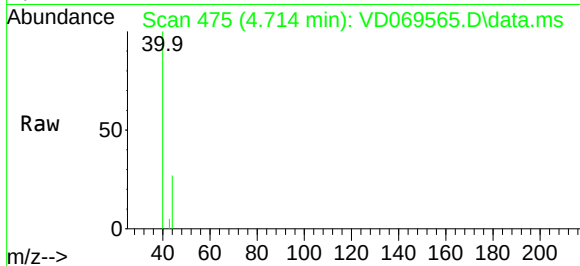




#18
Methyl Acetate
Concen: 18.916 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

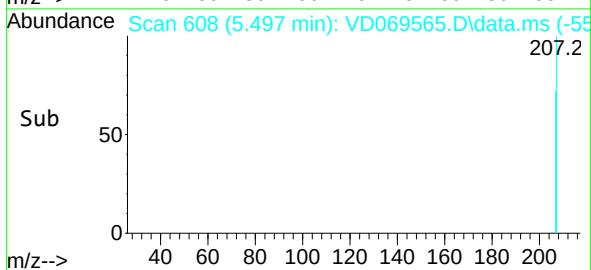
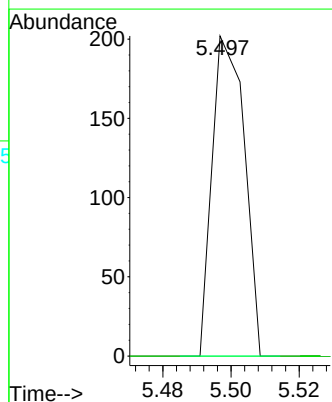
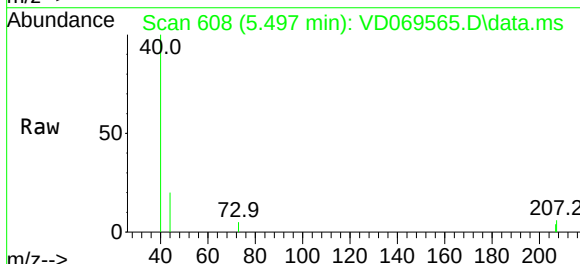
Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

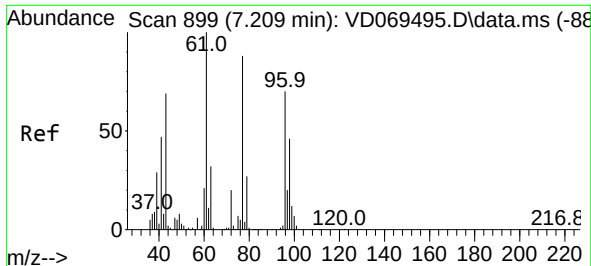
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#19
Methyl tert-butyl Ether
Concen: 8.698 ug/l
RT: 5.497 min Scan# 608
Delta R.T. 0.018 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 73 Resp: 132
Ion Ratio Lower Upper
73 100
57 0.0 18.1 27.1#





#27

cis-1,2-Dichloroethene

Concen: 5.532 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.018 min

Lab File: VD069565.D

Acq: 25 Jun 2021 14:54

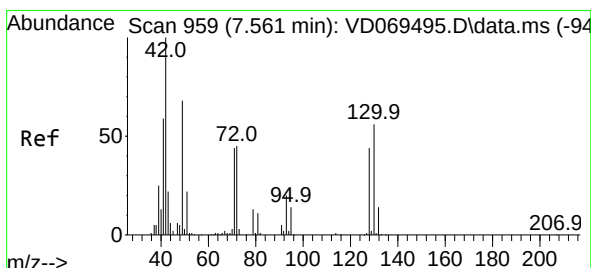
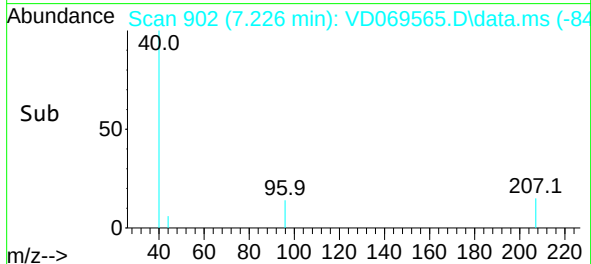
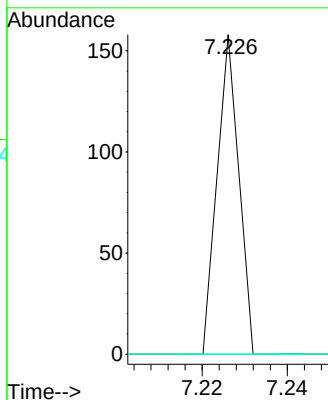
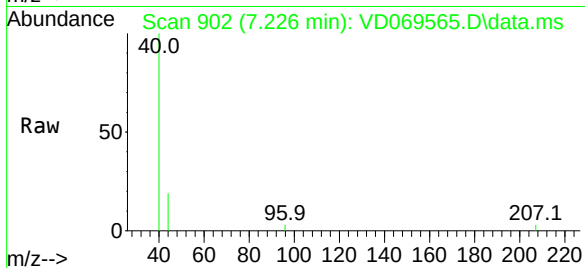
Instrument :

MSVOA_D

ClientSampleId :

SB-05-9.5-10.0

Tgt Ion: 96	Resp:	56
Ion	Ratio	Lower Upper
96	100	
61	0.0	0.0 290.8
98	0.0	0.0 131.8



#29

Tetrahydrofuran

Concen: 79.615 ug/l

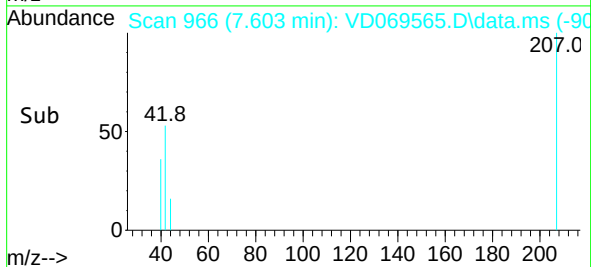
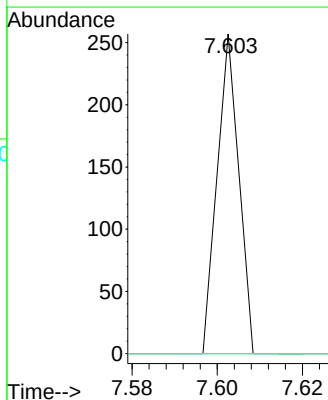
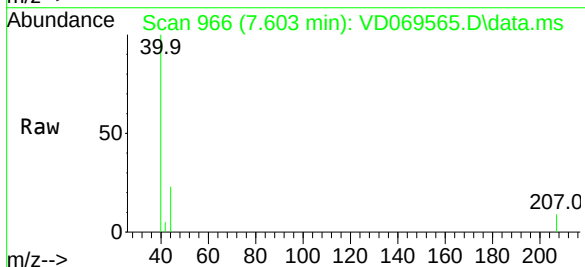
RT: 7.603 min Scan# 966

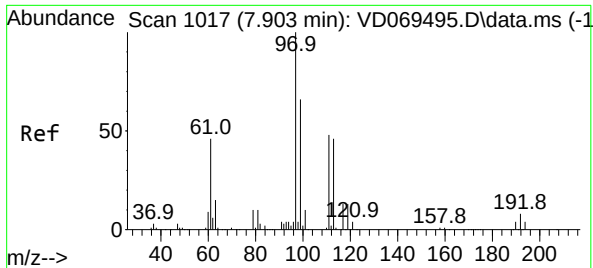
Delta R.T. 0.041 min

Lab File: VD069565.D

Acq: 25 Jun 2021 14:54

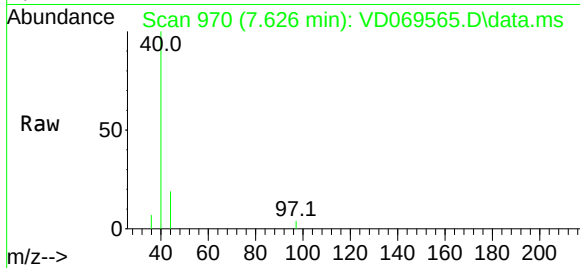
Tgt Ion: 42	Resp:	91
Ion	Ratio	Lower Upper
42	100	
72	0.0	37.9 56.9#
71	0.0	35.1 52.7#



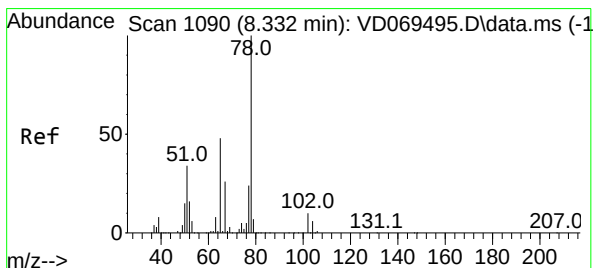
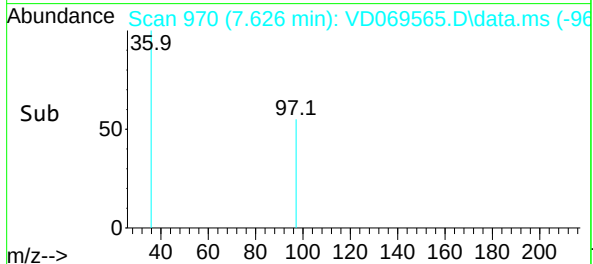
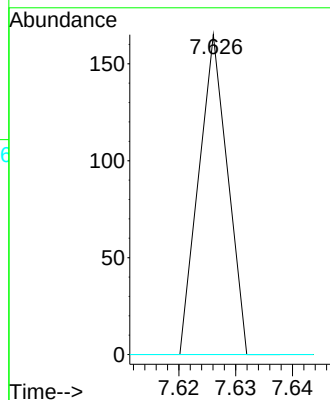


#32
 1,1,1-Trichloroethane
 Concen: 3.853 ug/l
 RT: 7.626 min Scan# 970
 Delta R.T. -0.277 min
 Lab File: VD069565.D
 Acq: 25 Jun 2021 14:54

Instrument :
 MSVOA_D
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 SB-05-9.5-10.0

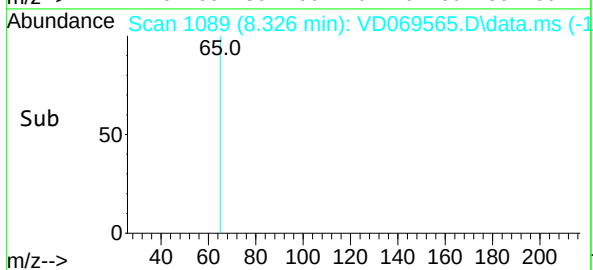
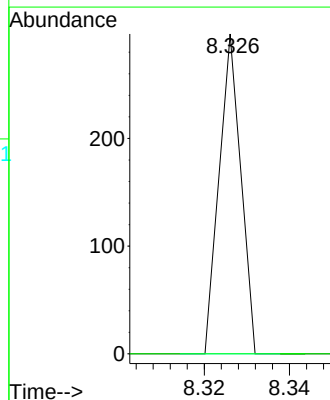
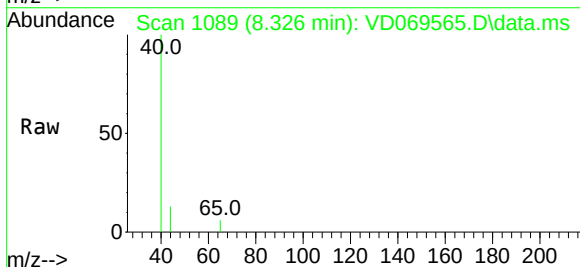


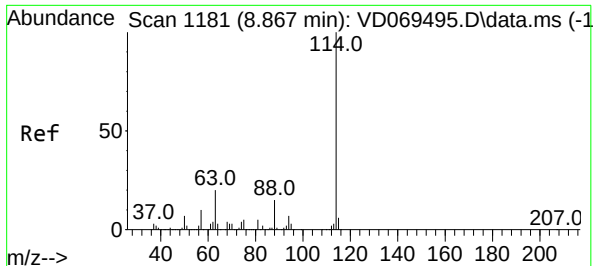
Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.6	78.8#
61	0.0	37.0	55.4#



#33
 1,2-Dichloroethane-d4
 Concen: 10.772 ug/l
 RT: 8.326 min Scan# 1089
 Delta R.T. -0.006 min
 Lab File: VD069565.D
 Acq: 25 Jun 2021 14:54

Tgt Ion	Ratio	Lower	Upper
65	100		
67	0.0	0.0	105.6



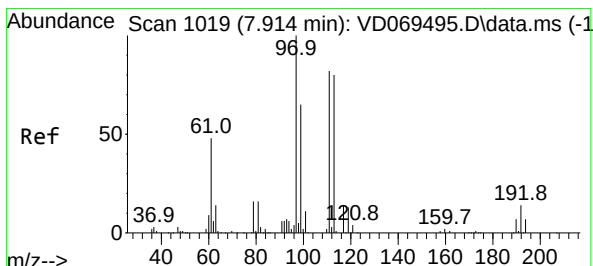
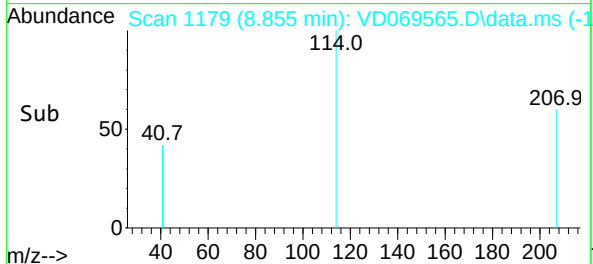
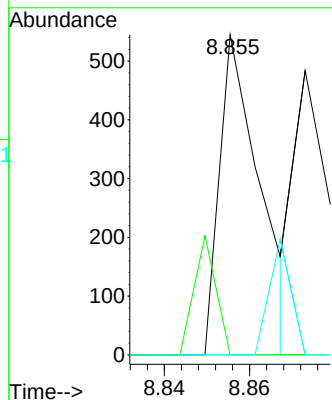
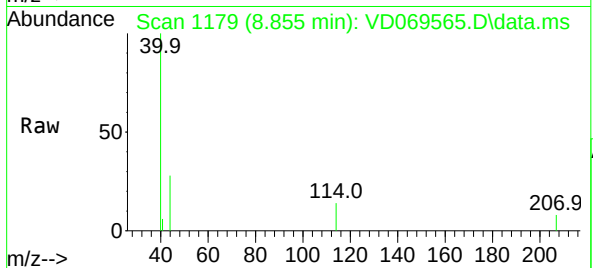


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.012 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

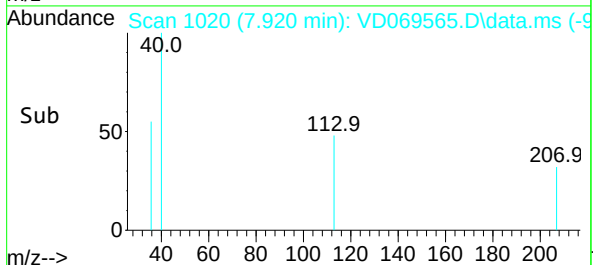
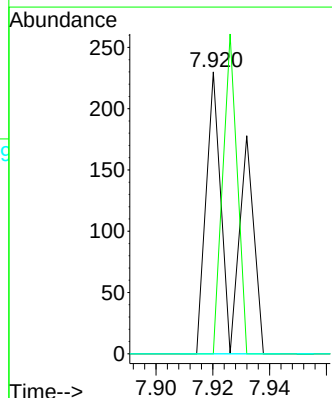
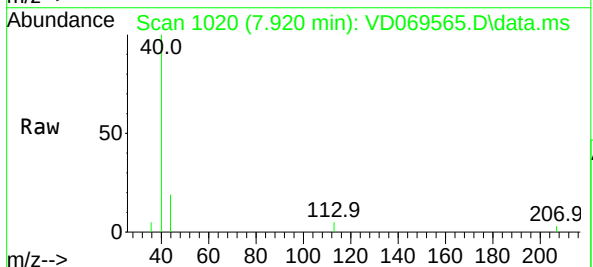
Tgt Ion:114	Resp:	364
Ion Ratio	Lower	Upper
114	100	
63	0.0	39.6
88	0.0	29.8

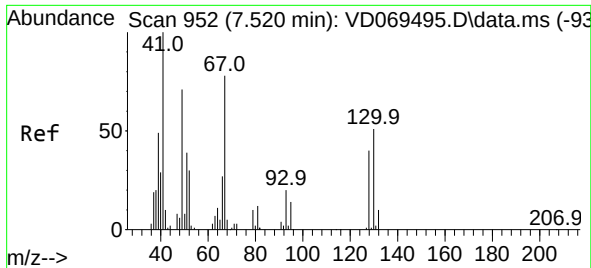


#35

Dibromofluoromethane
Concen: 58.523 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion:113	Resp:	144
Ion Ratio	Lower	Upper
113	100	
111	63.9	122.8#
192	0.0	20.6#

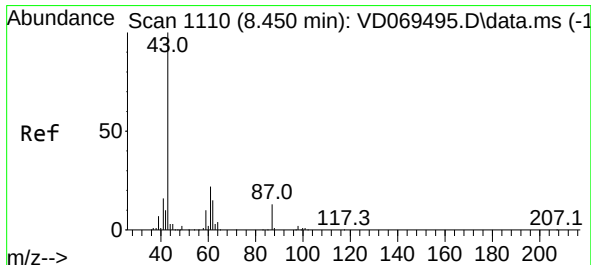
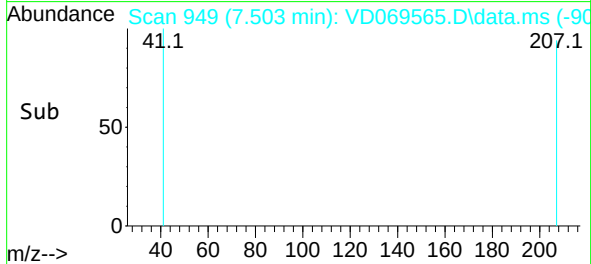
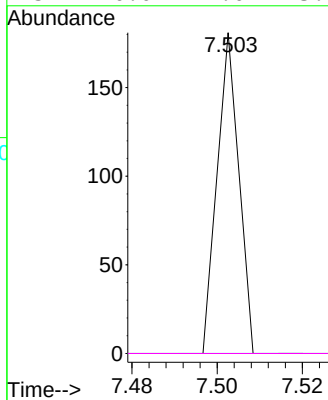
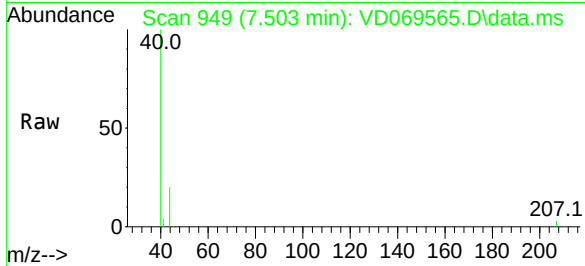




#41
Methacrylonitrile
Concen: 82.958 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.018 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

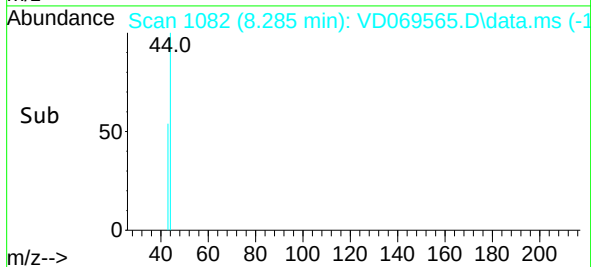
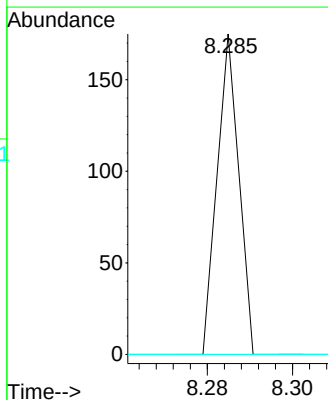
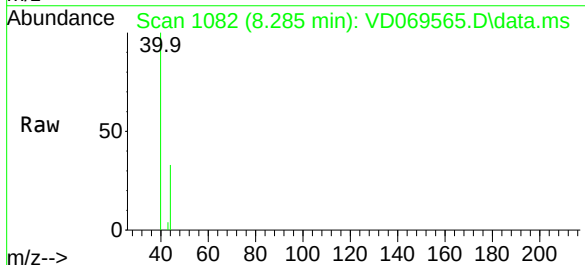
Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

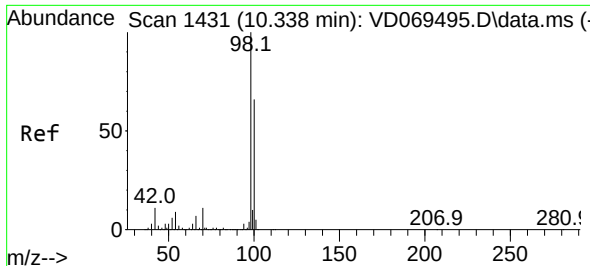
Tgt Ion:	41	Resp:	64
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.7	62.5#
67	0.0	71.8	107.6#
52	0.0	29.0	43.6#



#43
Isopropyl Acetate
Concen: 25.744 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.165 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
61	0.0	28.2	42.2#
87	0.0	11.4	17.0#

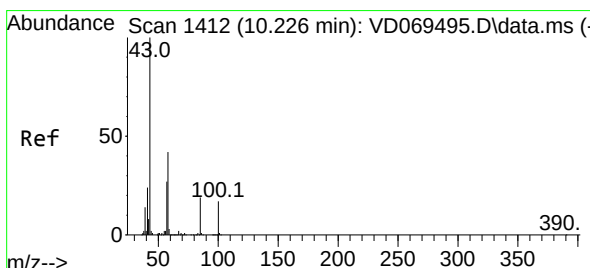
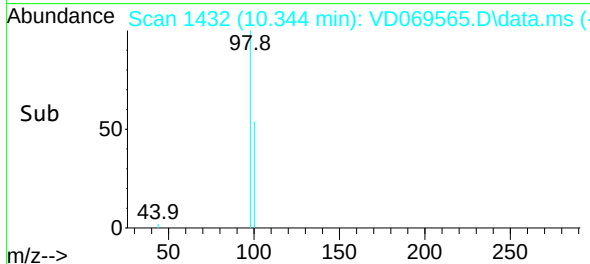
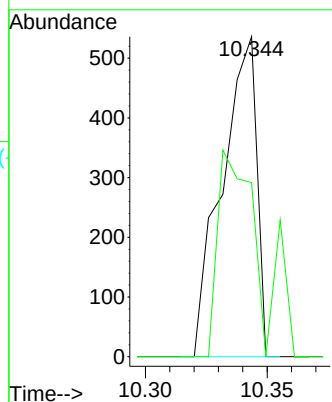
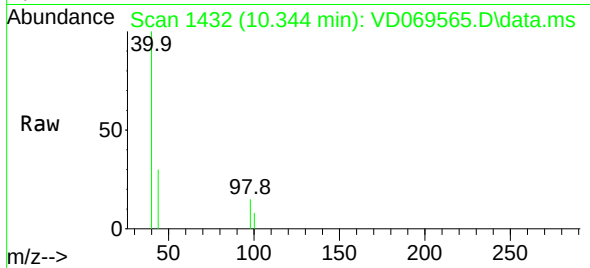




#50
Toluene-d8
Concen: 57.533 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

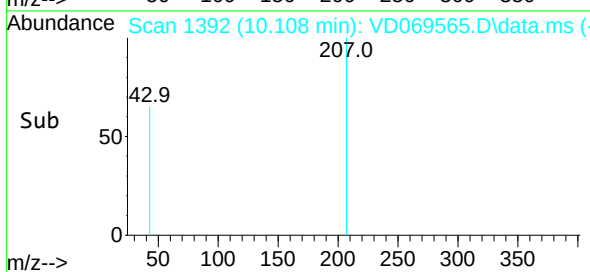
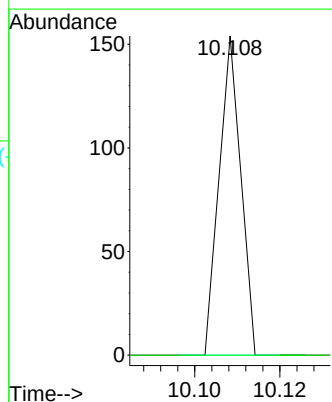
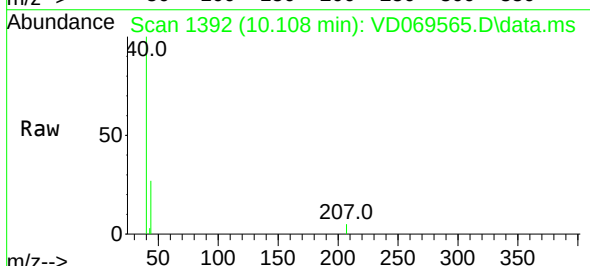
Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

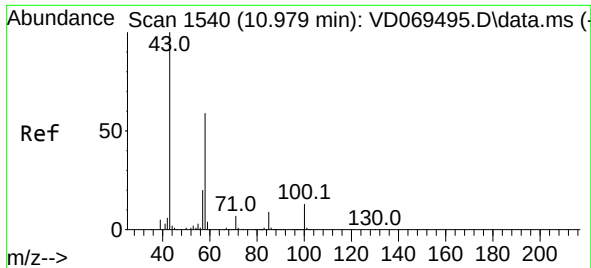
Tgt Ion: 98 Resp: 531
Ion Ratio Lower Upper
98 100
100 77.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 42.638 ug/l
RT: 10.108 min Scan# 1392
Delta R.T. -0.118 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

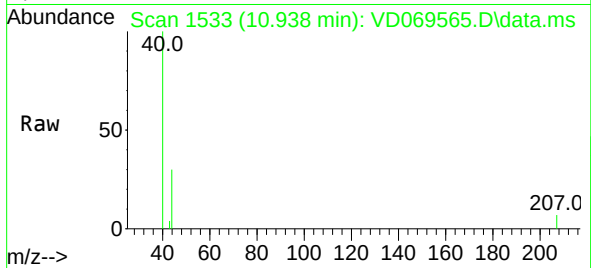
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#



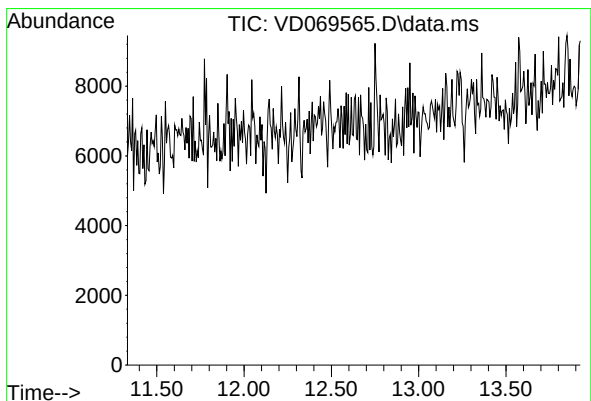
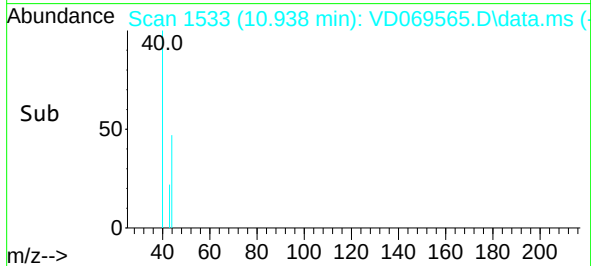
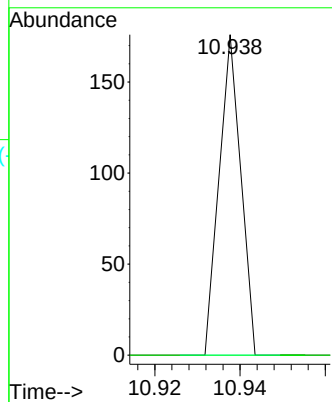


#59
2-Hexanone
Concen: 72.545 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0



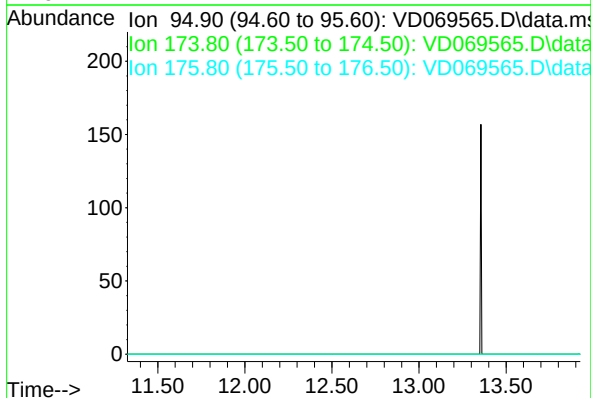
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.3#

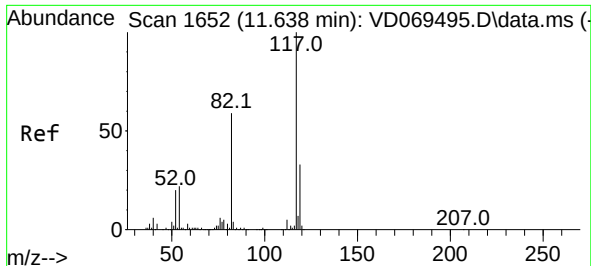


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.63 min

Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion: 95
Sig Exp Ratio
95 100
174 74.0
176 69.9

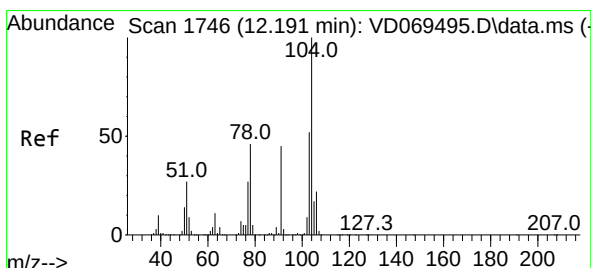
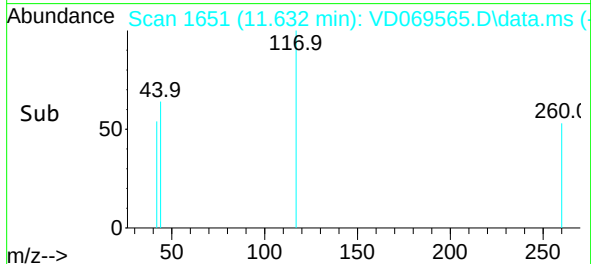
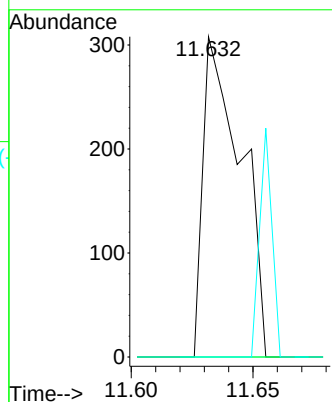
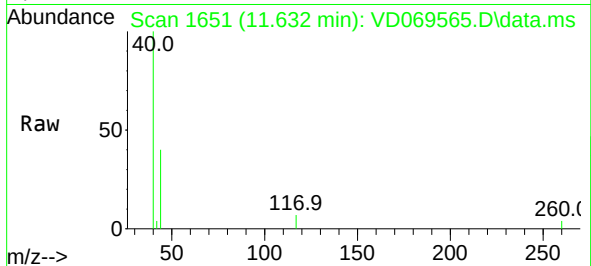




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

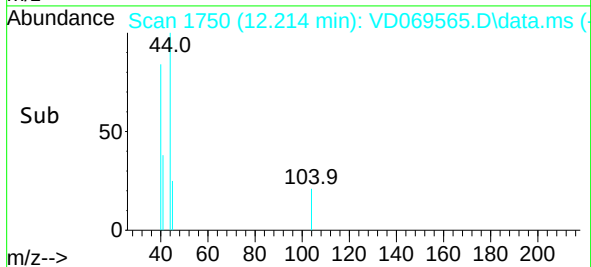
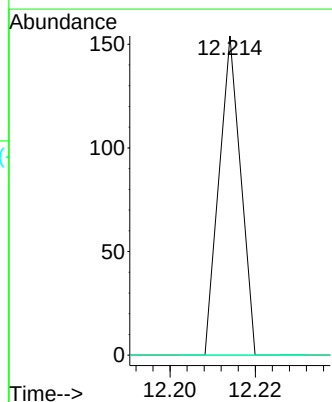
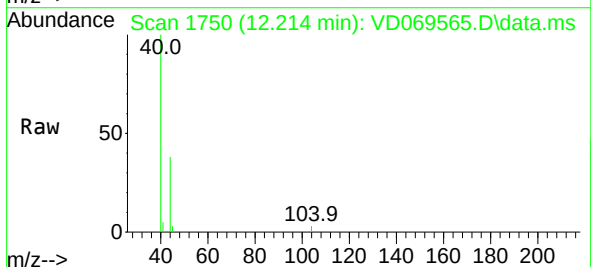
Instrument :
MSVOA_D
ClientSampleId :
SB-05-9.5-10.0

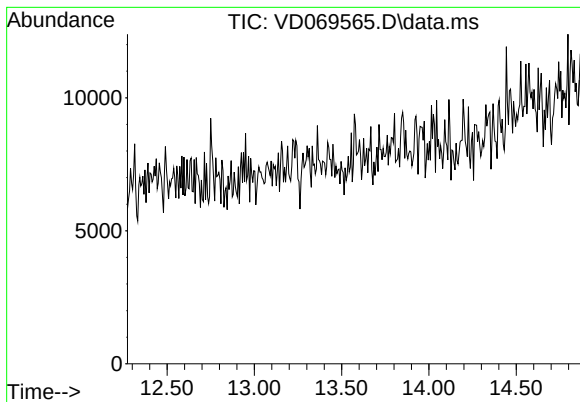
Tgt Ion:117 Resp: 333
Ion Ratio Lower Upper
117 100
82 0.0 46.8 70.2#
119 0.0 26.2 39.2#



#70
Styrene
Concen: 7.851 ug/l
RT: 12.214 min Scan# 1750
Delta R.T. 0.023 min
Lab File: VD069565.D
Acq: 25 Jun 2021 14:54

Tgt Ion:104 Resp: 54
Ion Ratio Lower Upper
104 100
78 0.0 40.2 60.2#
103 0.0 44.3 66.5#





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 13.57 min

 Lab File: VD069565.D
 Acq: 25 Jun 2021 14:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-05-9.5-10.0

Tgt Ion: 152

Sig	Exp Ratio
152	100
115	63.4
150	175.4

