

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070098.D
 Acq On : 17 Aug 2021 19:59
 Operator : VA/SY
 Sample : M3445-04RE
 Misc : 6.23G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-087-RW7-IDWSO-20210816-3

Quant Time: Aug 18 03:08:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

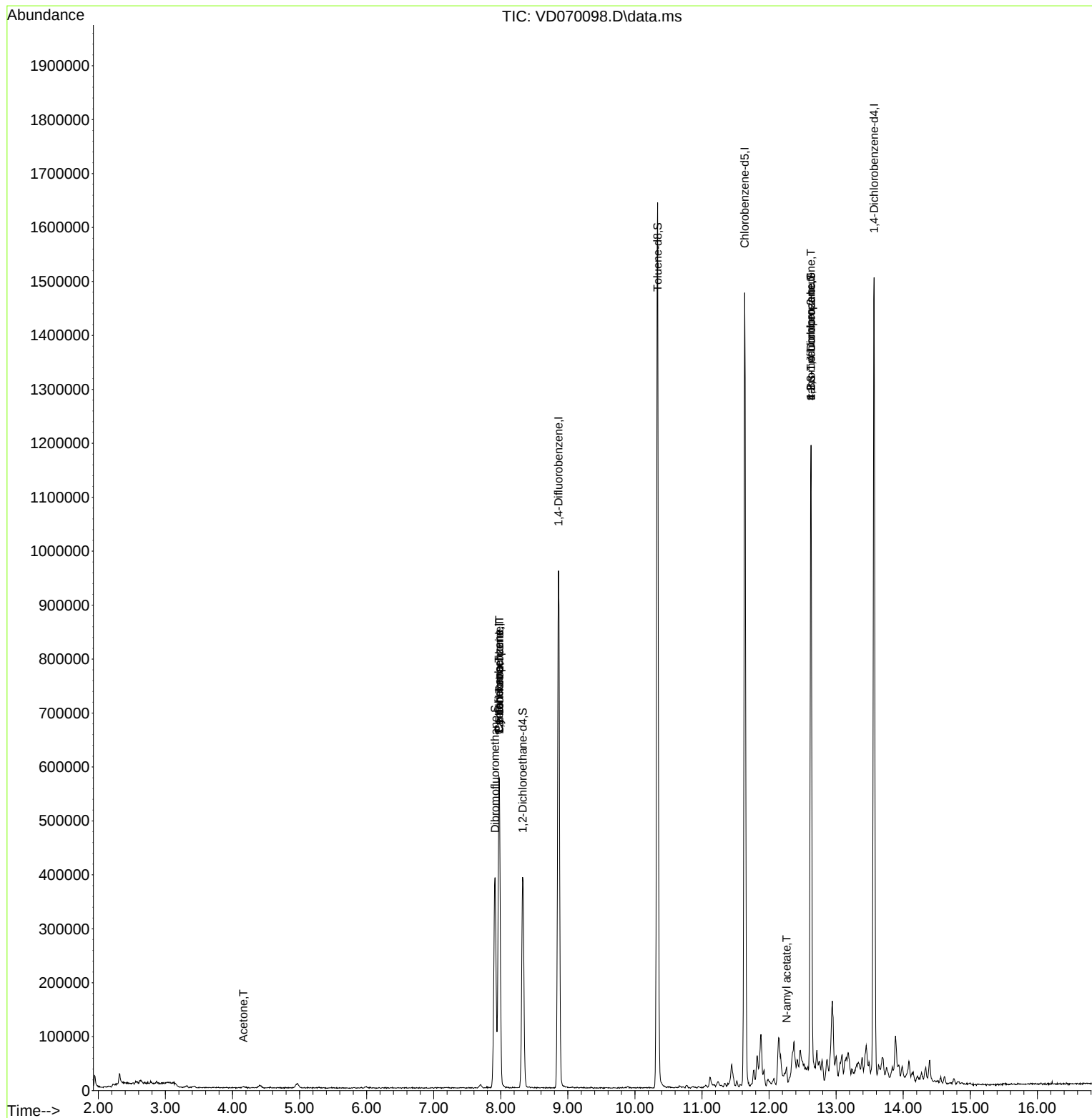
Internal Standards						
1) Pentafluorobenzene	7.973	168	400995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	836092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	846931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	391115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	314169	66.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.220%	
35) Dibromofluoromethane	7.914	113	293903	54.409	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.820%	
50) Toluene-d8	10.338	98	1097297	52.228	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.460%	
62) 4-Bromofluorobenzene	12.626	95	403435	58.300	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.600%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	147	Below Cal	#	42
3) Chloromethane	2.215	50	1223	Below Cal	#	54
5) Bromomethane	2.779	94	1625	Below Cal	#	71
16) Acetone	4.162	43	3345	3.850	ug/l	97
20) Methylene Chloride	4.973	84	6833	Below Cal	#	74
31) Cyclohexane	7.973	56	9556	1.024	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	36969	4.110	ug/l #	50
38) Carbon Tetrachloride	7.979	117	44519	5.452	ug/l #	16
74) N-amyl acetate	12.261	43	7442	1.210	ug/l #	60
76) 1,2,3-Trichloropropane	12.626	75	197169	49.709	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	197169	129.027	ug/l #	18

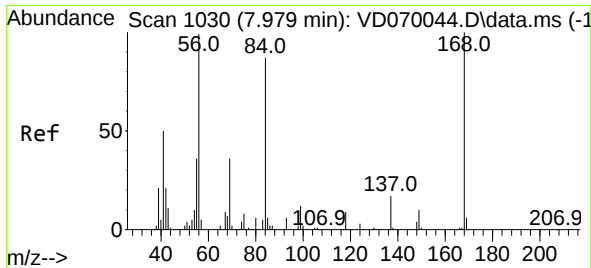
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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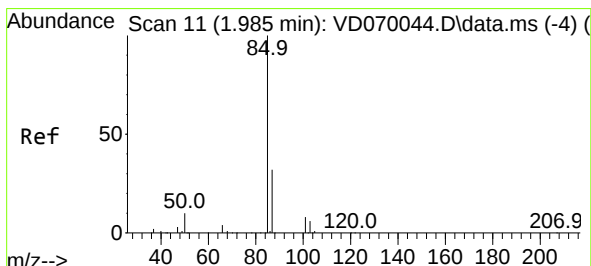
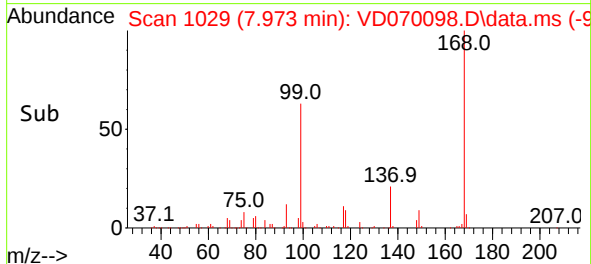
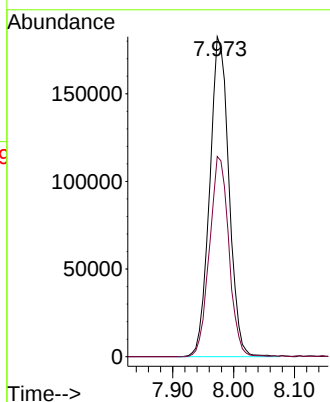
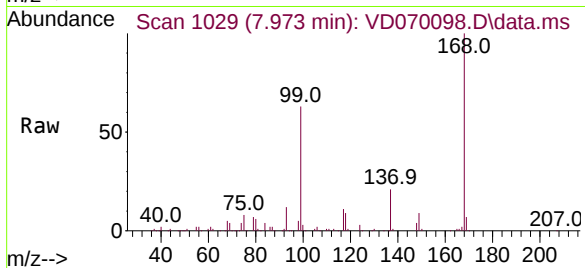




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

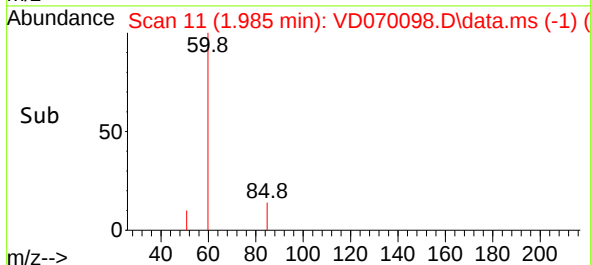
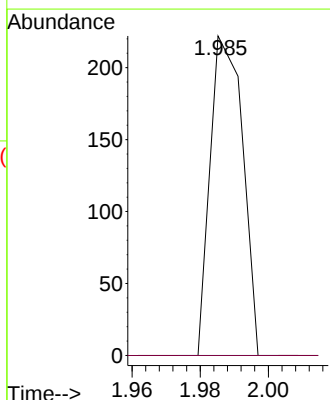
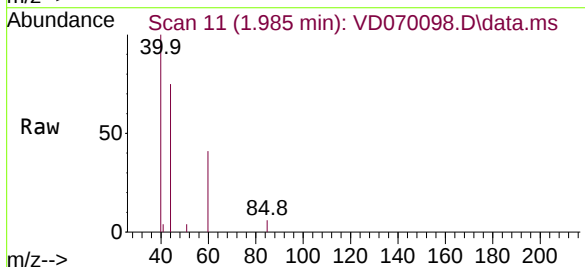
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MSVOA_D
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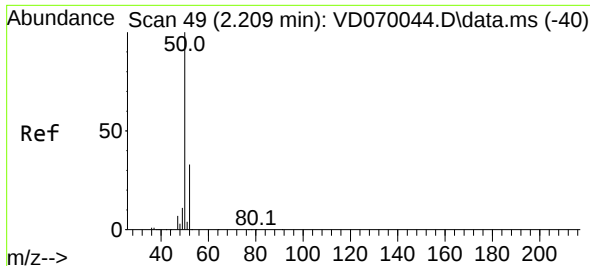
Tgt Ion:168 Resp: 400995
Ion Ratio Lower Upper
168 100
99 62.5 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion: 85 Resp: 147
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

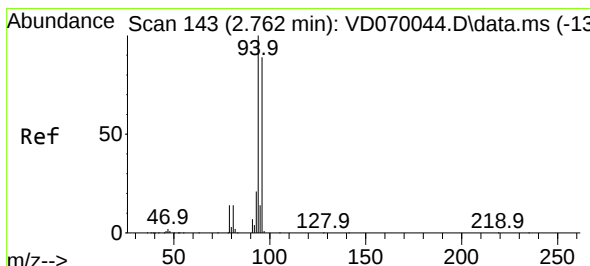
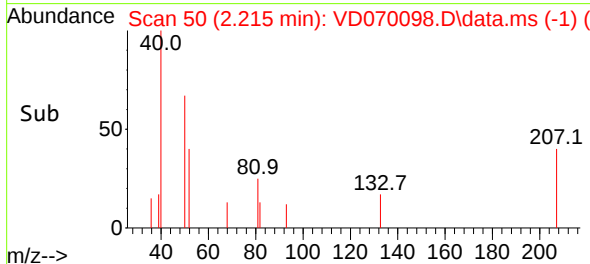
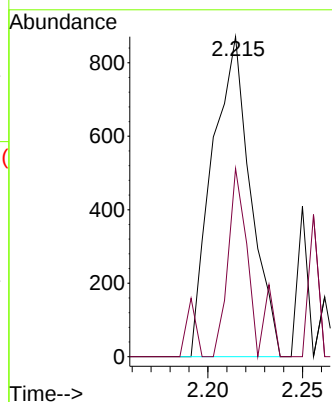
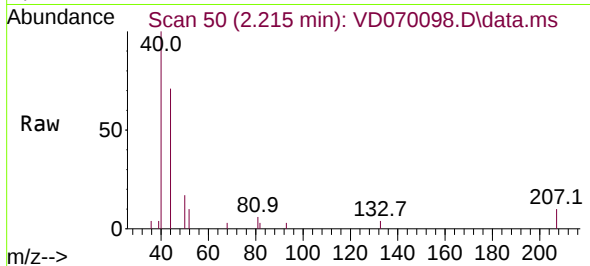




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

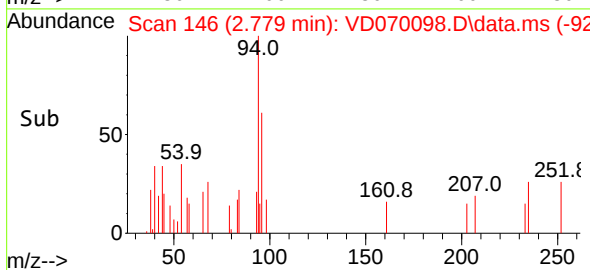
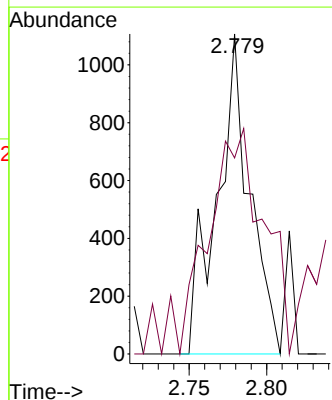
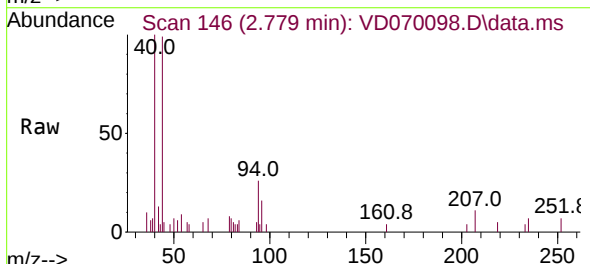
Instrument :
MSVOA_D
ClientSampleId :
TT-087-RW7-IDWSO-20210816-3

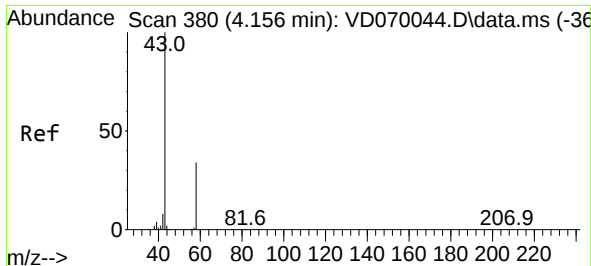
Tgt Ion: 50 Resp: 1223
Ion Ratio Lower Upper
50 100
52 58.8 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion: 94 Resp: 1625
Ion Ratio Lower Upper
94 100
96 61.2 70.9 106.3#

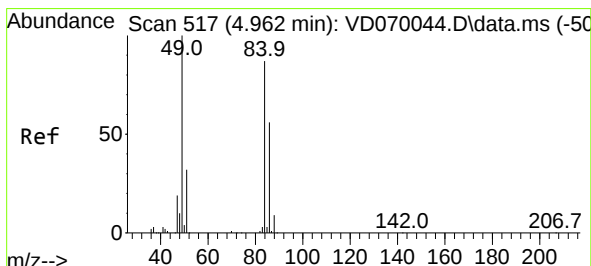
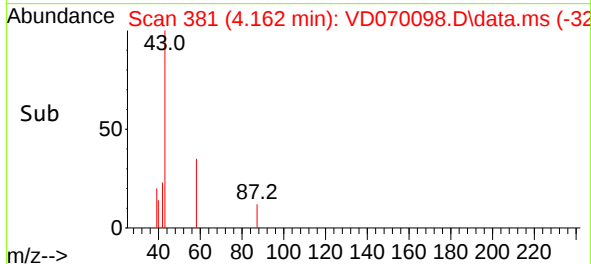
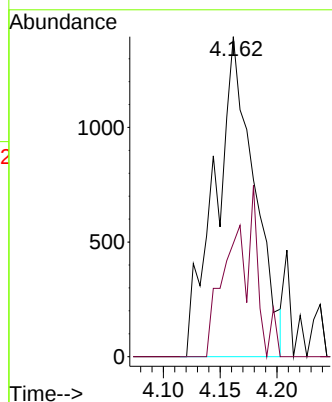
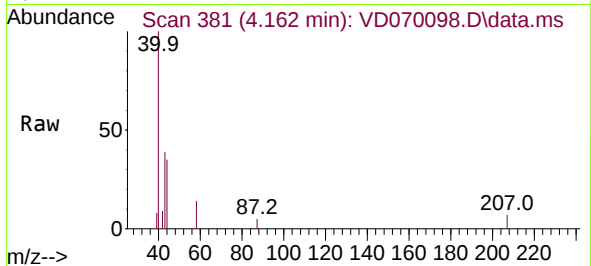




#16
Acetone
Concen: 3.850 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

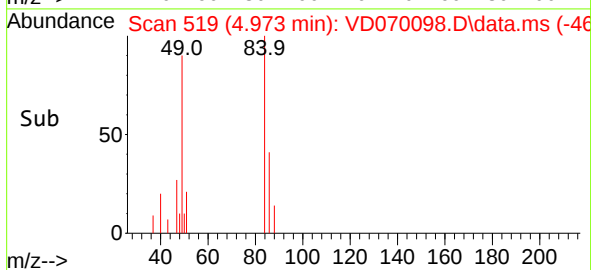
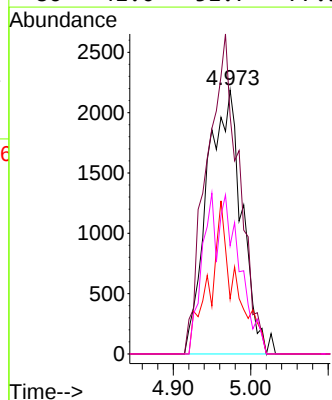
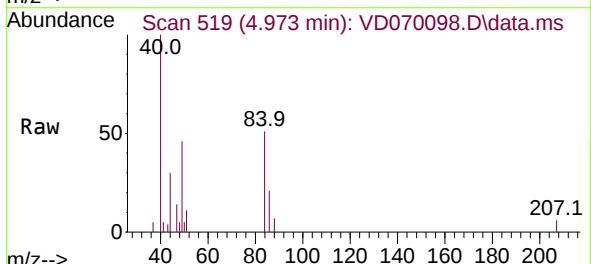
Instrument :
MSVOA_D
ClientSampleId :
TT-087-RW7-IDWSO-20210816-3

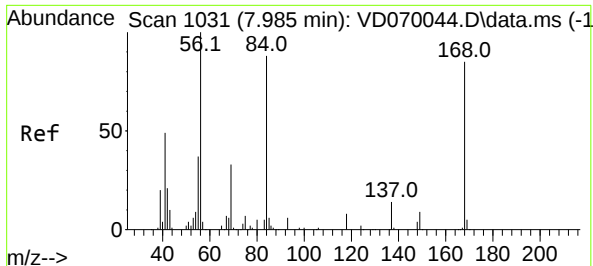
Tgt Ion: 43 Resp: 3345
Ion Ratio Lower Upper
43 100
58 35.4 26.8 40.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion: 84 Resp: 6833
Ion Ratio Lower Upper
84 100
49 90.2 92.5 138.7#
51 20.8 29.7 44.5#
86 41.0 51.7 77.5#

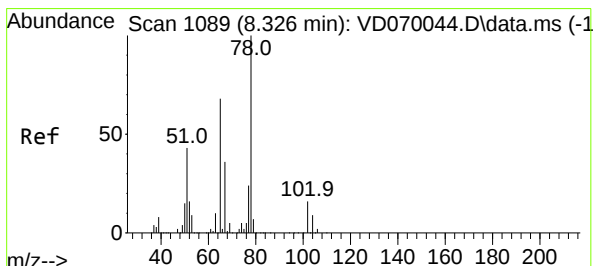
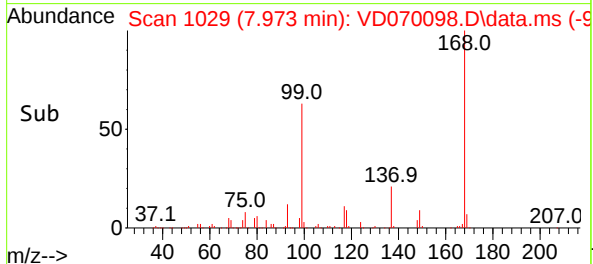
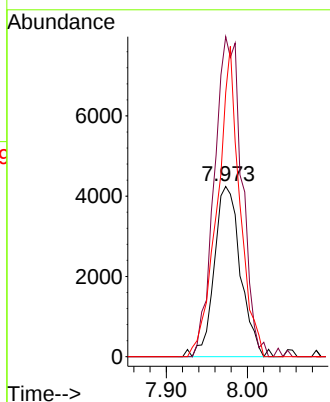
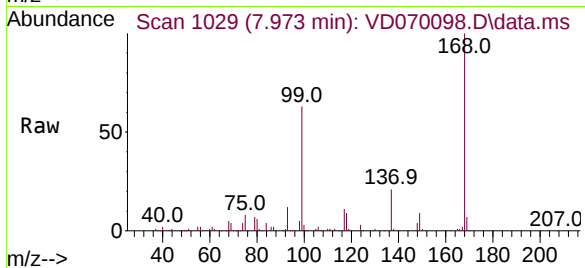




#31
Cyclohexane
Concen: 1.024 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

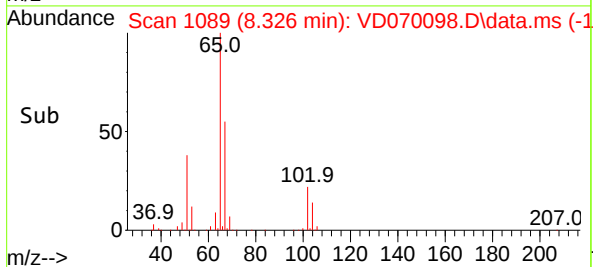
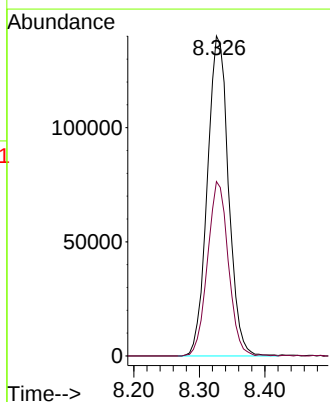
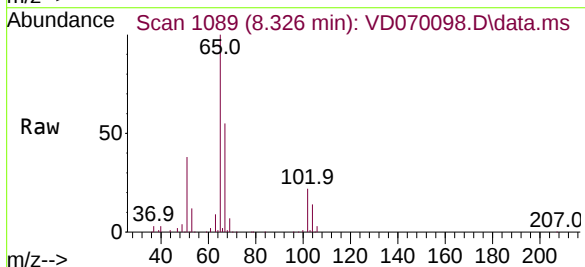
Instrument :
MSVOA_D
ClientSampleId :
TT-087-RW7-IDWSO-20210816-3

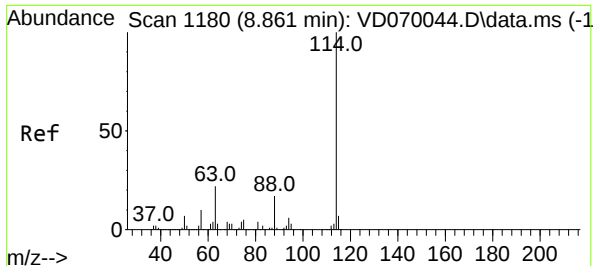
Tgt Ion: 56 Resp: 9556
Ion Ratio Lower Upper
56 100
69 187.9 26.7 40.1#
84 155.1 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 66.613 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion: 65 Resp: 314169
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD070098.D

Acq: 17 Aug 2021 19:59

Tgt Ion:114 Resp: 836092

Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.6

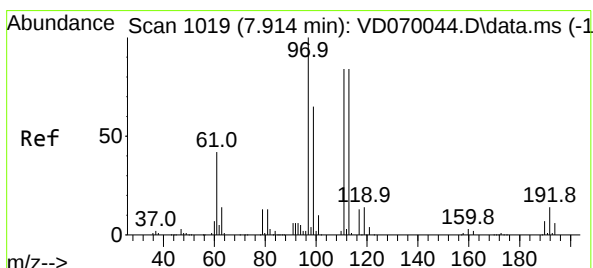
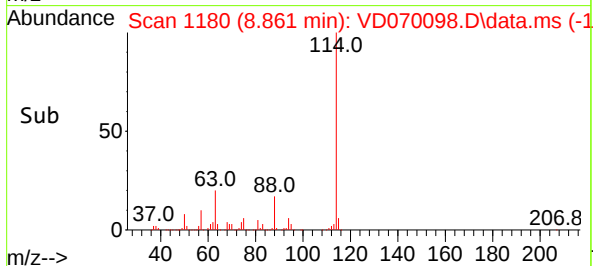
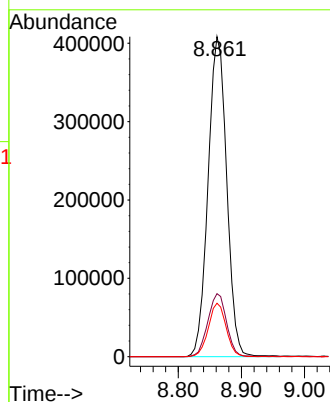
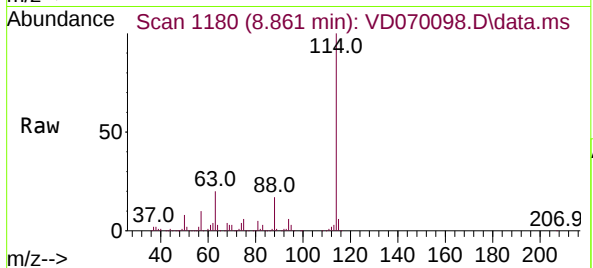
88 16.7 0.0 33.4

Instrument :

MSVOA_D

ClientSampleId :

TT-087-RW7-IDWSO-20210816-3



#35

Dibromofluoromethane

Concen: 54.409 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070098.D

Acq: 17 Aug 2021 19:59

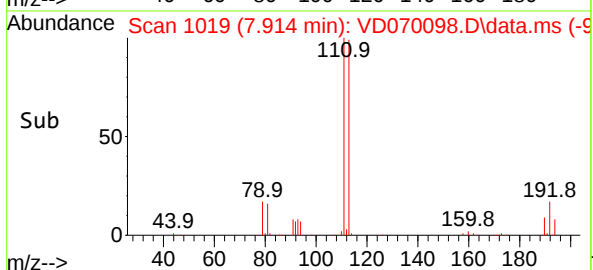
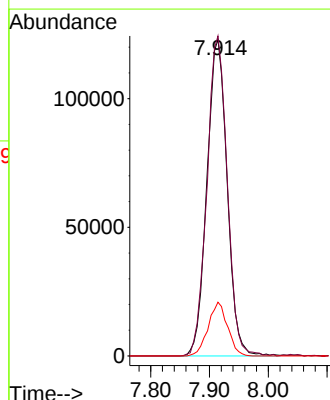
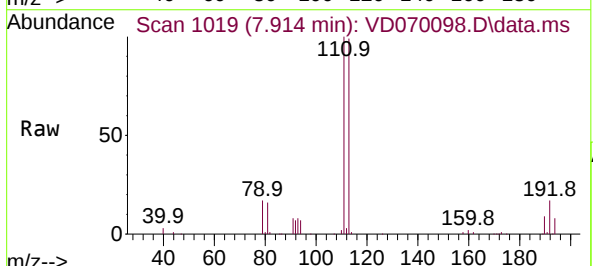
Tgt Ion:113 Resp: 293903

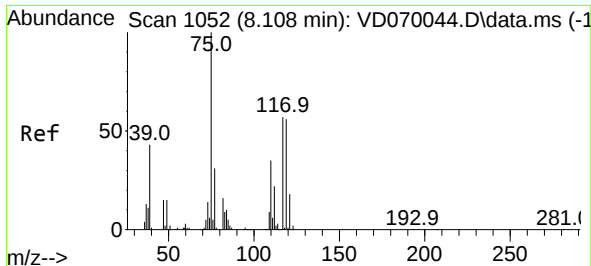
Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.6

192 16.3 13.2 19.8

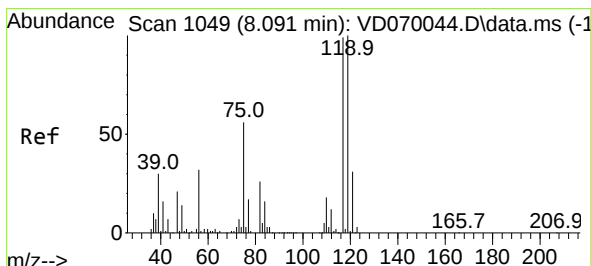
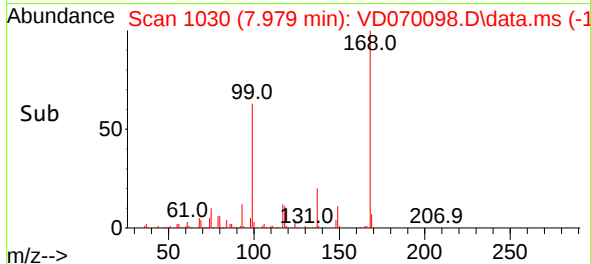
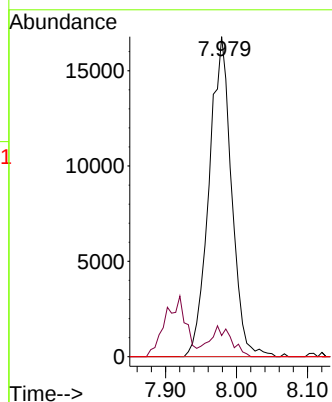
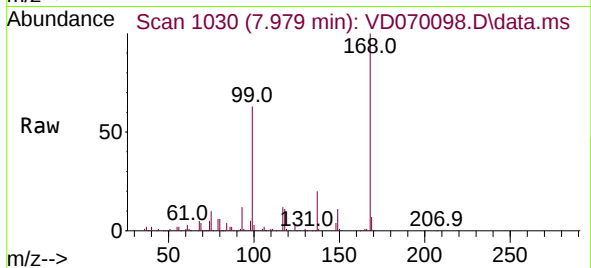




#36
1,1-Dichloropropene
Concen: 4.110 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

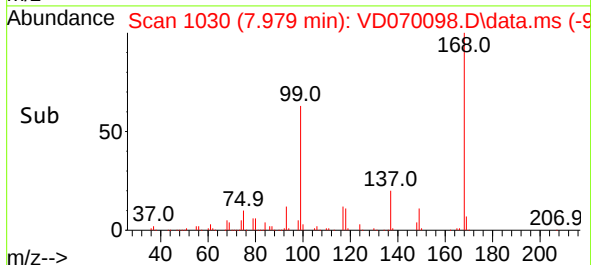
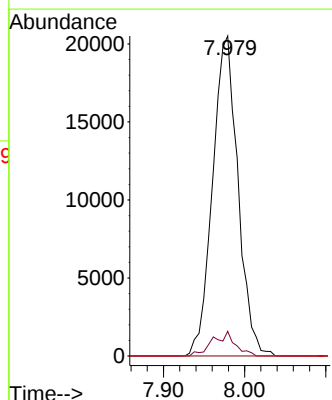
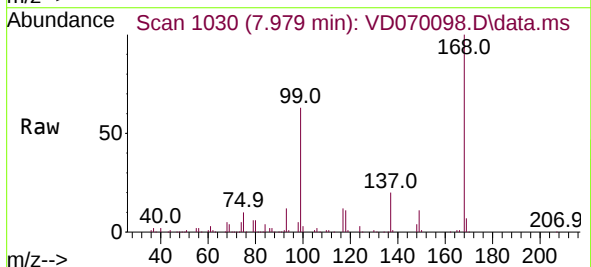
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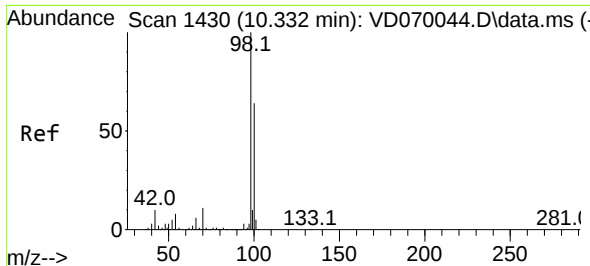
Tgt Ion: 75 Resp: 36969
Ion Ratio Lower Upper
75 100
110 9.4 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion: 117 Resp: 44519
Ion Ratio Lower Upper
117 100
119 7.7 81.0 121.6#
121 0.0 25.0 37.6#

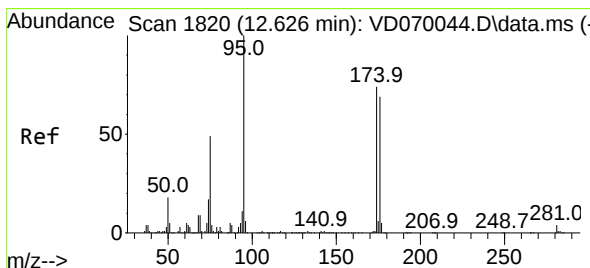
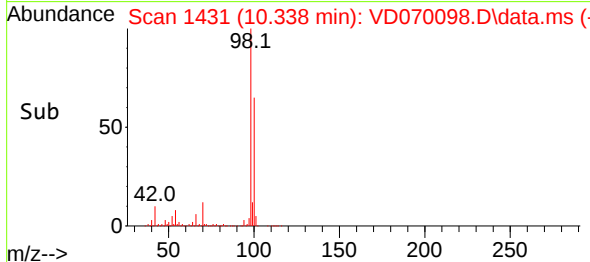
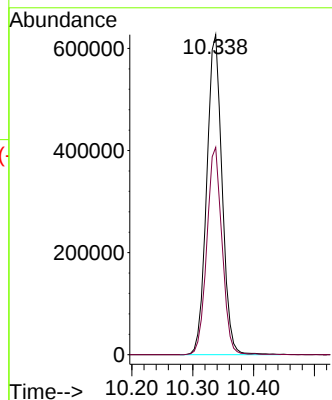
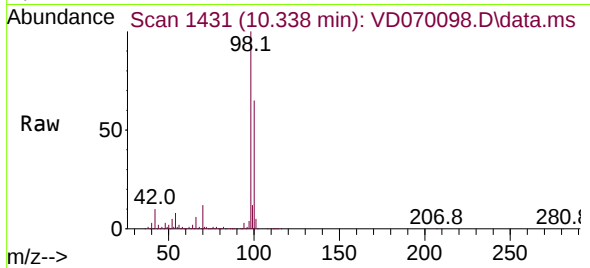




#50
Toluene-d8
Concen: 52.228 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

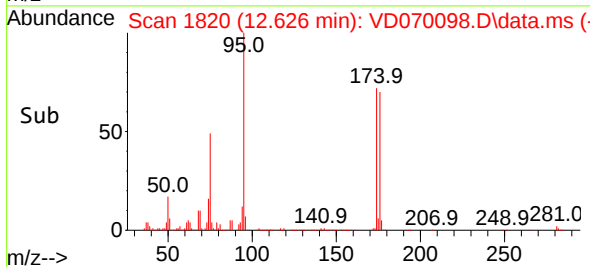
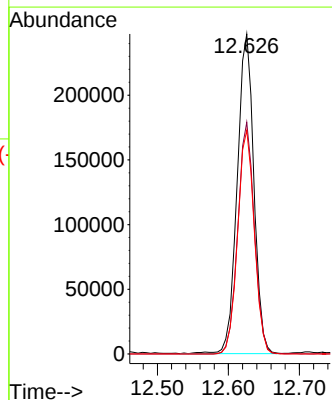
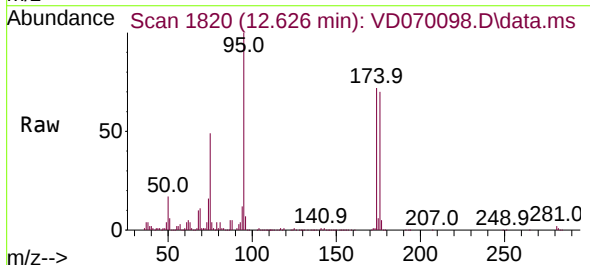
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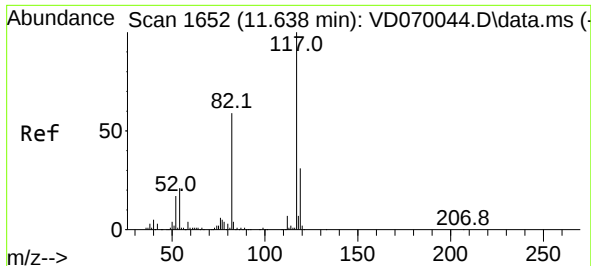
Tgt Ion: 98 Resp: 1097297
Ion Ratio Lower Upper
98 100
100 64.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 58.300 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion: 95 Resp: 403435
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.6
176 69.8 0.0 138.2

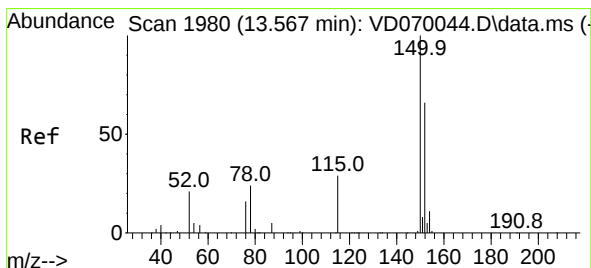
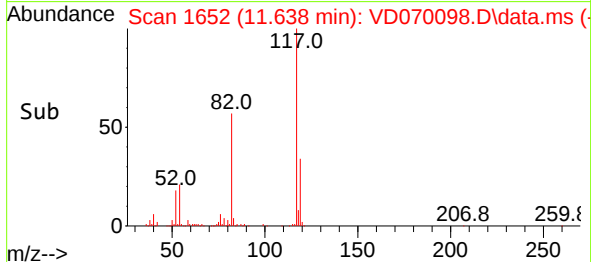
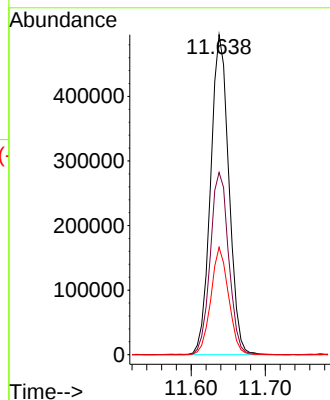
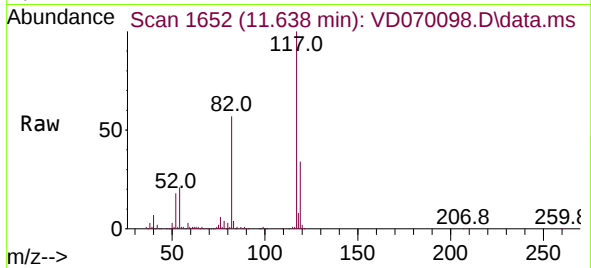




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

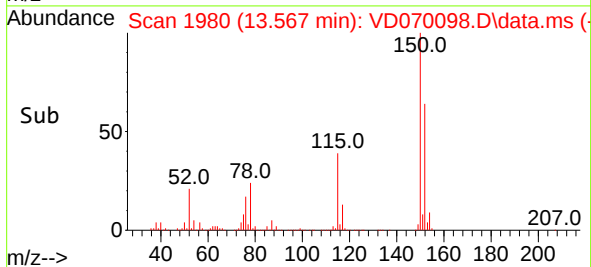
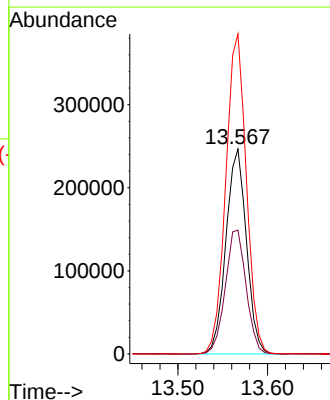
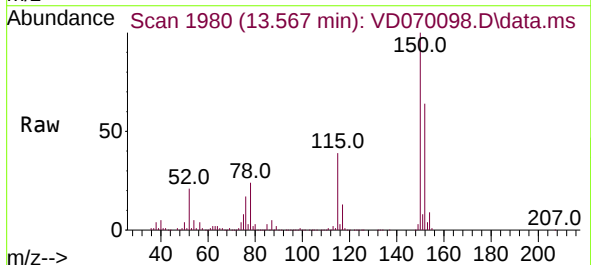
Instrument :
MSVOA_D
ClientSampleId :
TT-087-RW7-IDWSO-20210816-3

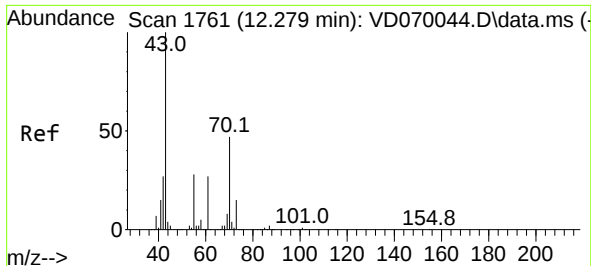
Tgt Ion:	117	Resp:	846931
Ion Ratio	Lower	Upper	
117	100		
82	56.9	47.5	71.3
119	33.6	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion:	152	Resp:	391115
Ion Ratio	Lower	Upper	
152	100		
115	61.7	31.2	93.6
150	156.4	0.0	352.0

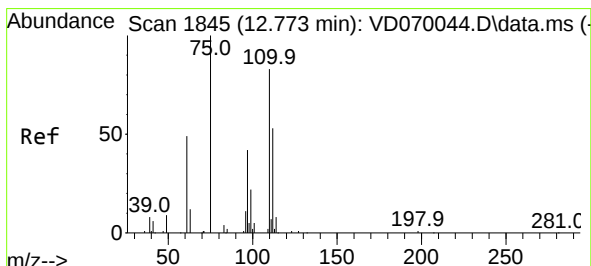
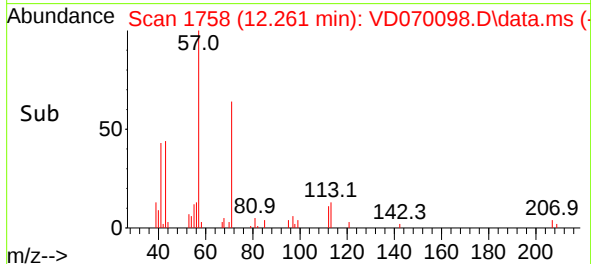
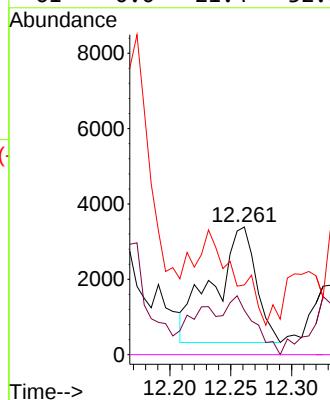
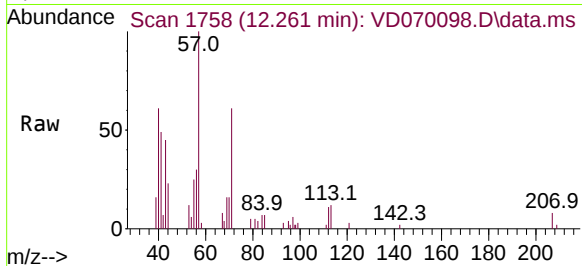




#74
N-amy1 acetate
Concen: 1.210 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

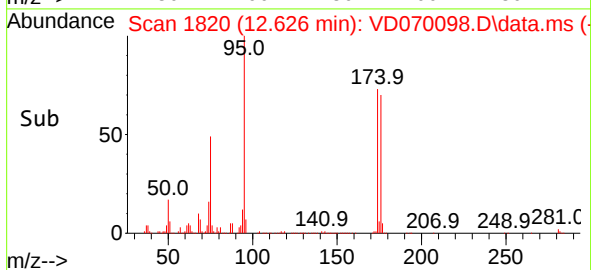
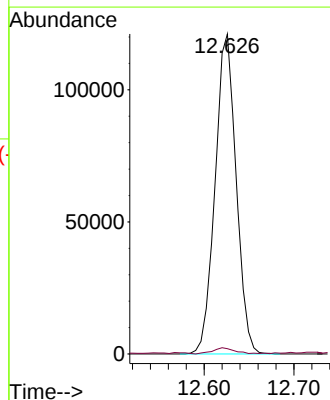
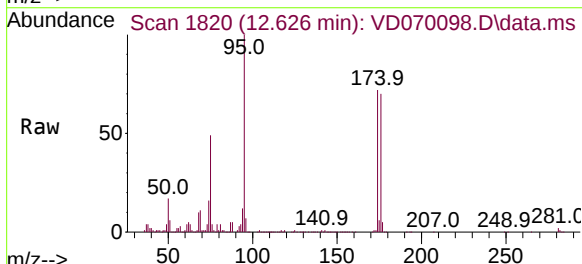
Instrument :
MSVOA_D
ClientSampleId :
TT-087-RW7-IDWSO-20210816-3

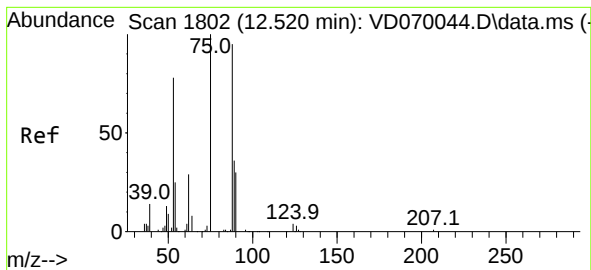
Tgt Ion:	43	Resp:	7442
Ion	Ratio	Lower	Upper
43	100		
70	30.7	37.2	55.8#
55	0.0	22.9	34.3#
61	0.0	21.4	32.0#



#76
1,2,3-Trichloropropane
Concen: 49.709 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070098.D
Acq: 17 Aug 2021 19:59

Tgt Ion:	75	Resp:	197169
Ion	Ratio	Lower	Upper
75	100		
77	2.1	182.4	547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.027 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070098.D
 Acq: 17 Aug 2021 19:59

Instrument :
 MSVOA_D
 ClientSampleId :
 TT-087-RW7-IDWSO-20210816-3

Tgt Ion: 75 Resp: 197169
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.5 96.7#
 89 0.0 33.7 50.5#

