

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071823\
 Data File : VN078562.D
 Acq On : 18 Jul 2023 15:38
 Operator : JC\MD
 Sample : 03646-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 YARD-1

Quant Time: Jul 19 01:51:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

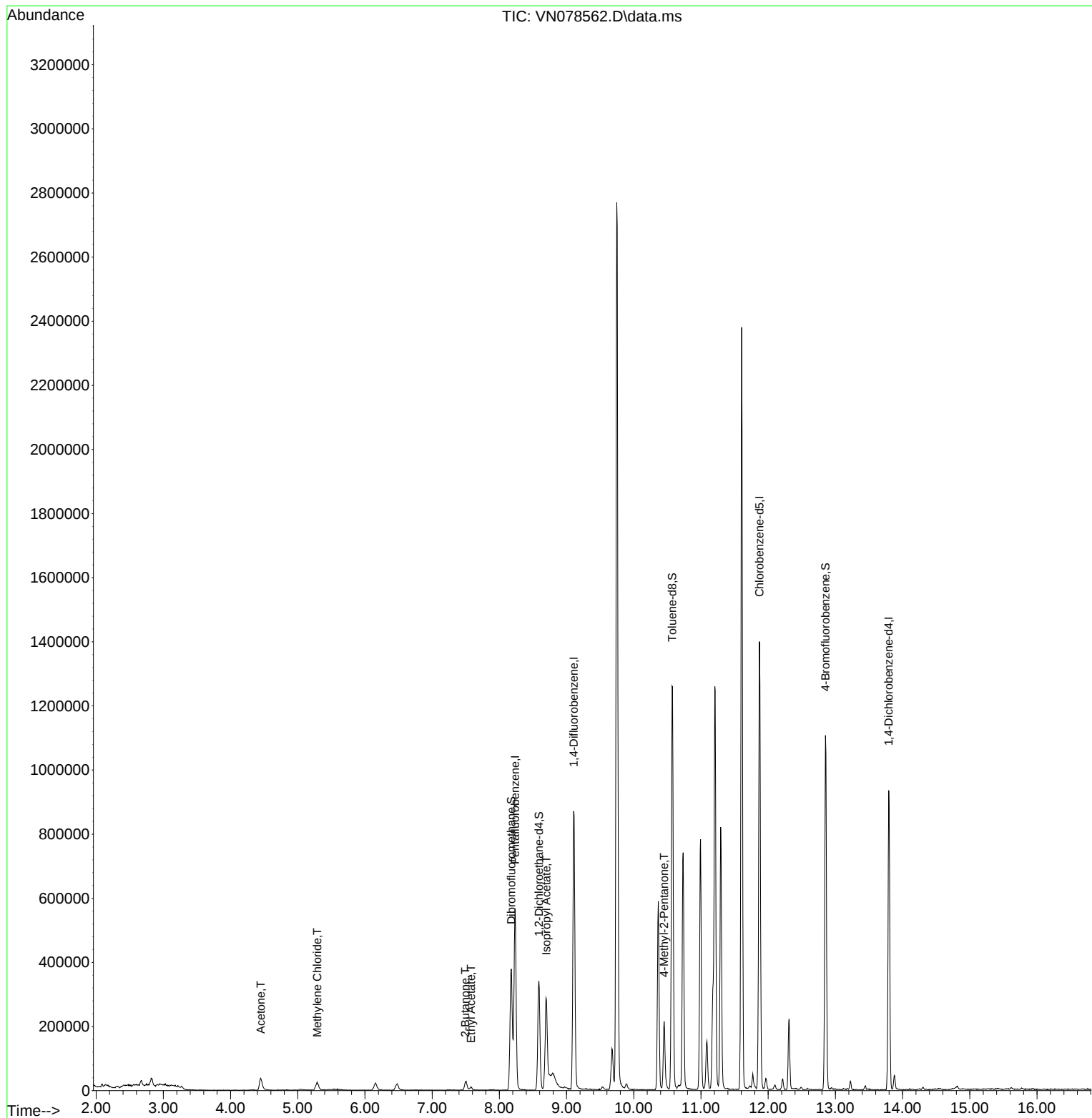
Internal Standards						
1) Pentafluorobenzene	8.236	168	409975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	775557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	836304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	264305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	282907	51.474	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.940%	
35) Dibromofluoromethane	8.177	113	277564	52.721	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.440%	
50) Toluene-d8	10.571	98	921724	46.344	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.680%	
62) 4-Bromofluorobenzene	12.853	95	381609	62.292	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 124.580%#	
Target Compounds						
					Qvalue	
16) Acetone	4.448	43	69892	40.824	ug/l	94
20) Methylene Chloride	5.289	84	18335	2.574	ug/l #	87
25) 2-Butanone	7.494	43	43398	16.103	ug/l #	80
37) Ethyl Acetate	7.577	43	14087	2.223	ug/l #	91
43) Isopropyl Acetate	8.700	43	351848	33.724	ug/l #	78
51) 4-Methyl-2-Pentanone	10.453	43	142998	23.043	ug/l	90

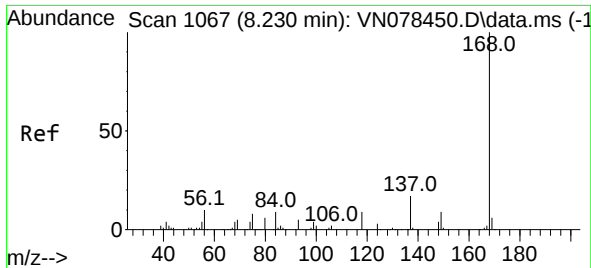
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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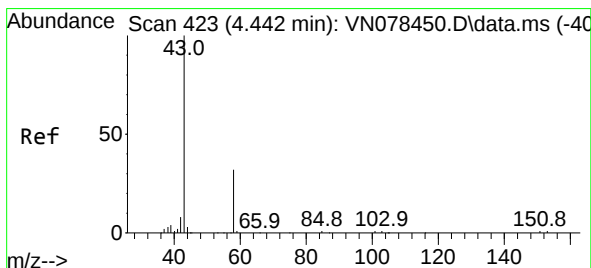
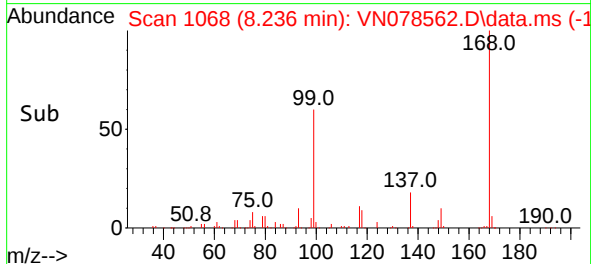
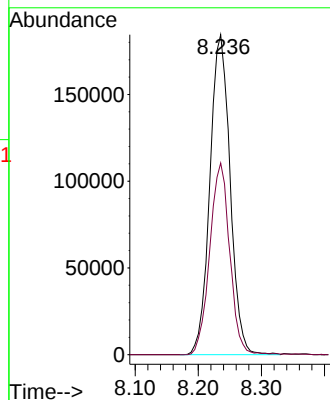
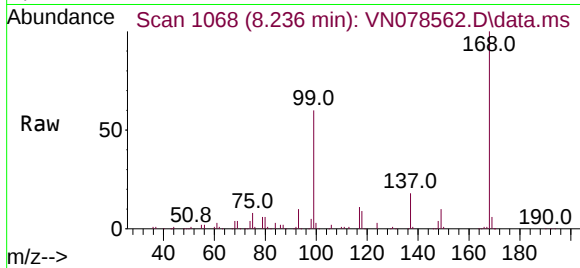




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

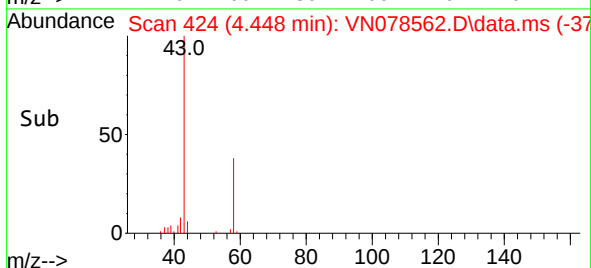
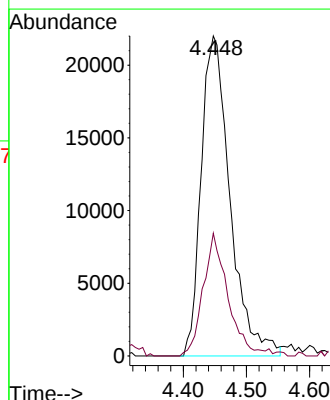
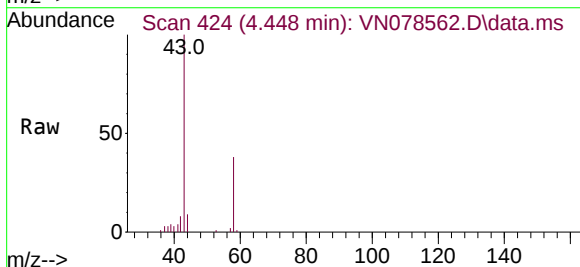
Instrument :
MSVOA_N
ClientSampleId :
YARD-1

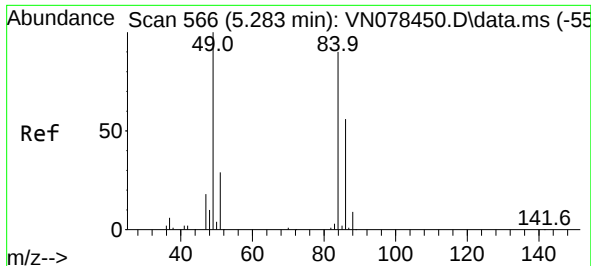
Tgt Ion:168 Resp: 409975
Ion Ratio Lower Upper
168 100
99 59.9 53.0 79.6



#16
Acetone
Concen: 40.824 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.006 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

Tgt Ion: 43 Resp: 69892
Ion Ratio Lower Upper
43 100
58 38.3 28.0 42.0

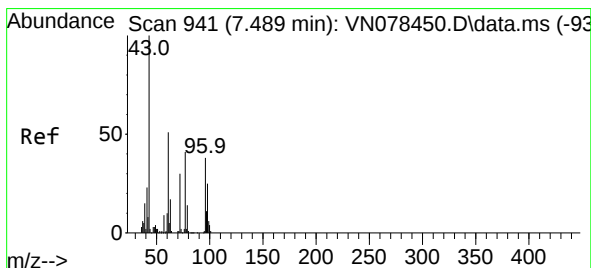
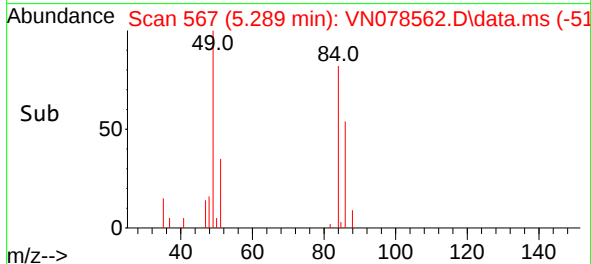
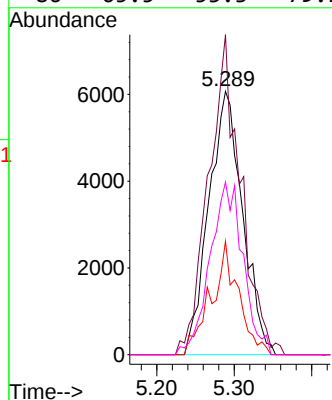
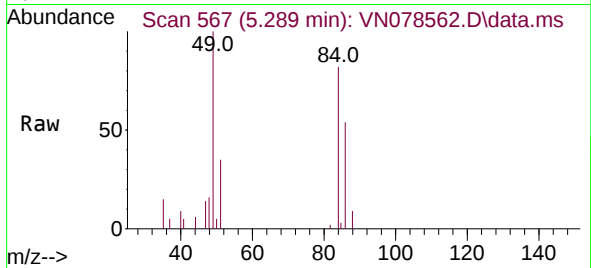




#20
Methylene Chloride
Concen: 2.574 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

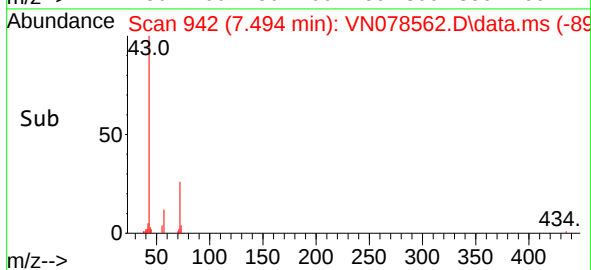
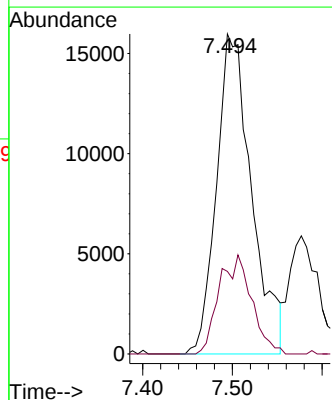
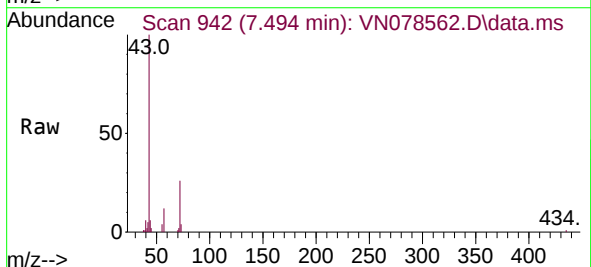
Instrument :
MSVOA_N
ClientSampleId :
YARD-1

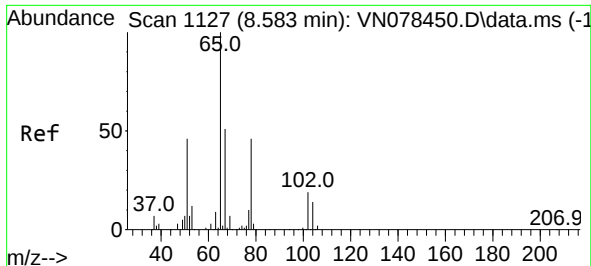
Tgt Ion:	84	Resp:	18335
Ion	Ratio	Lower	Upper
84	100		
49	118.0	79.7	119.5
51	43.0	25.2	37.8#
86	65.5	53.3	79.9



#25
2-Butanone
Concen: 16.103 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.005 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

Tgt Ion:	43	Resp:	43398
Ion	Ratio	Lower	Upper
43	100		
72	25.8	30.2	45.2#





#33

1,2-Dichloroethane-d4

Concen: 51.474 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078562.D

Acq: 18 Jul 2023 15:38

Instrument :

MSVOA_N

ClientSampleId :

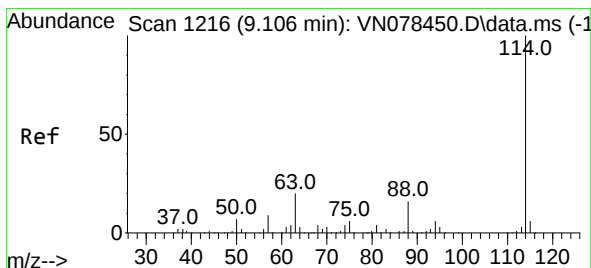
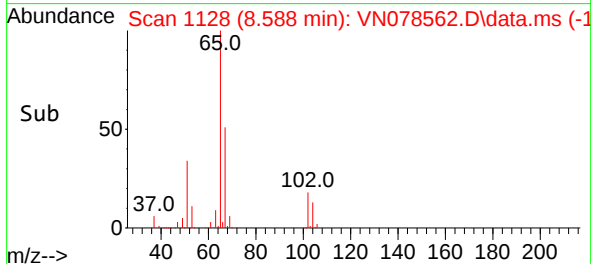
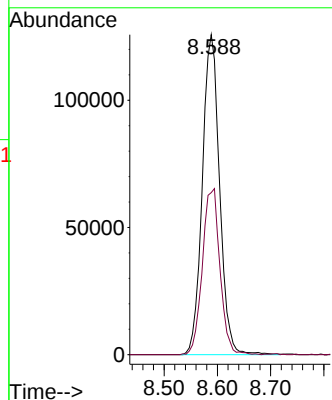
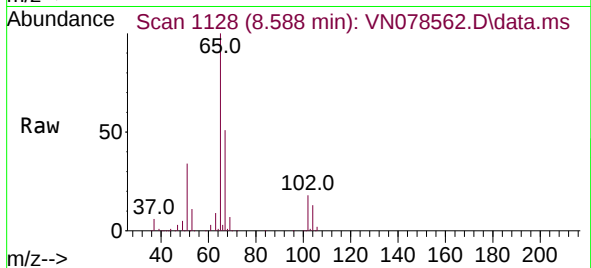
YARD-1

Tgt Ion: 65 Resp: 282907

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN078562.D

Acq: 18 Jul 2023 15:38

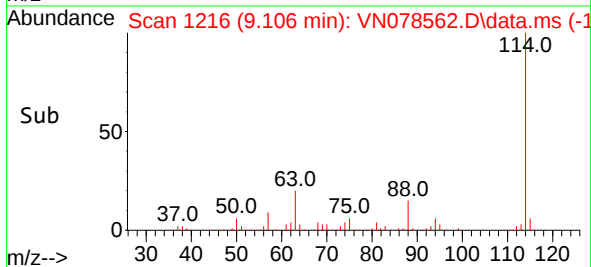
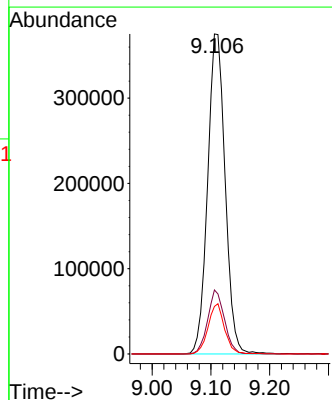
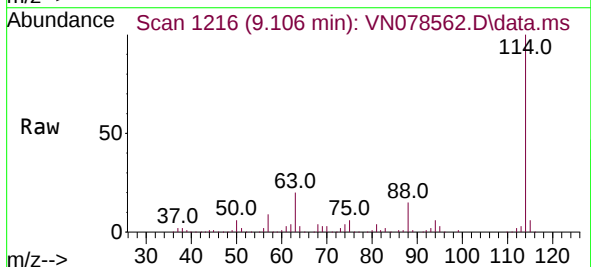
Tgt Ion: 114 Resp: 775557

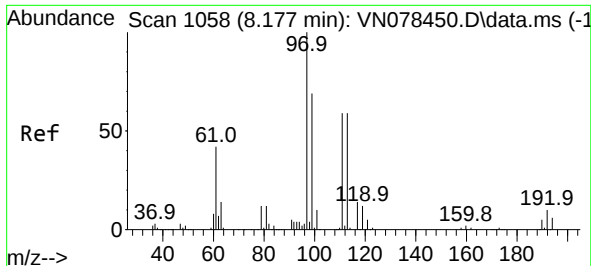
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.721 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078562.D

Acq: 18 Jul 2023 15:38

Instrument :

MSVOA_N

ClientSampleId :

YARD-1

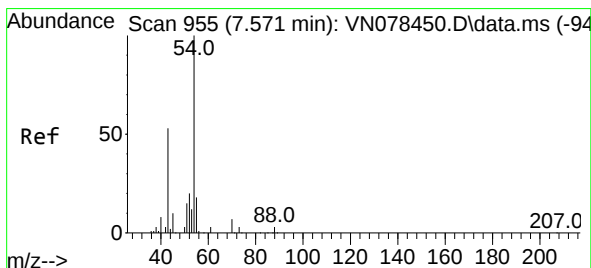
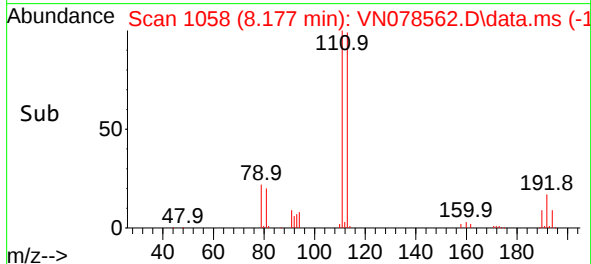
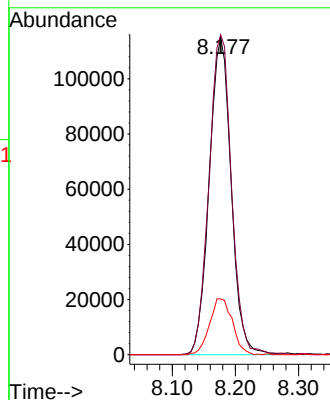
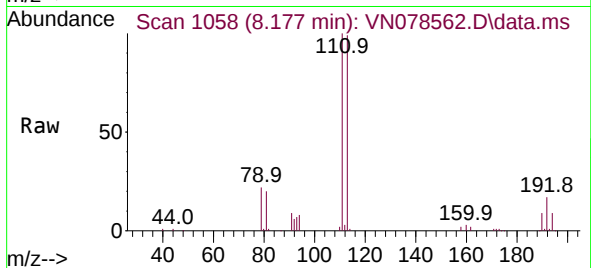
Tgt Ion:113 Resp: 277564

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 18.4 12.7 19.1



#37

Ethyl Acetate

Concen: 2.223 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN078562.D

Acq: 18 Jul 2023 15:38

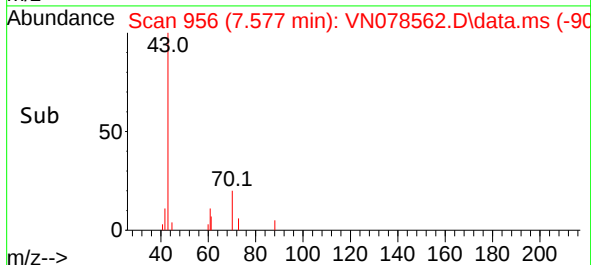
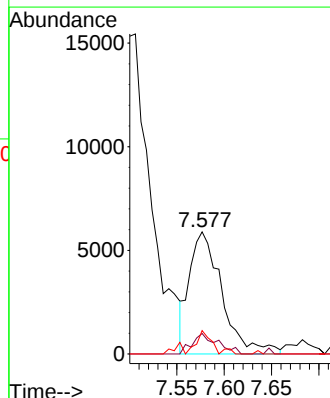
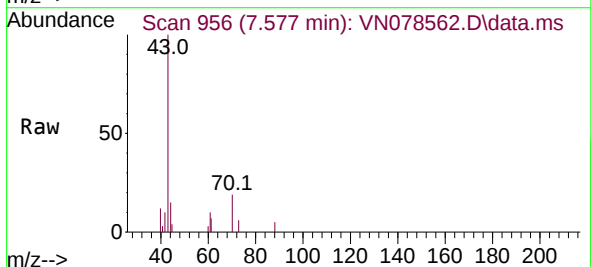
Tgt Ion: 43 Resp: 14087

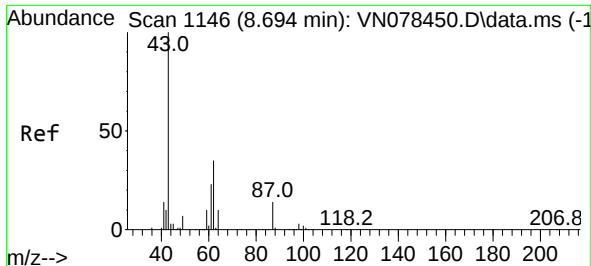
Ion Ratio Lower Upper

43 100

61 13.1 13.2 19.8#

70 9.5 11.3 16.9#

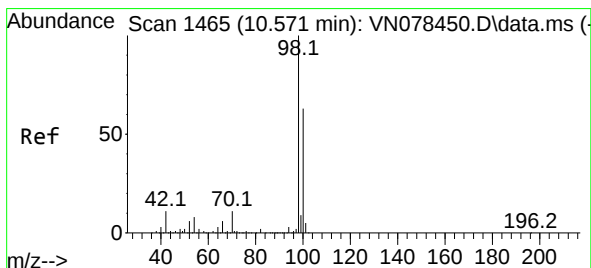
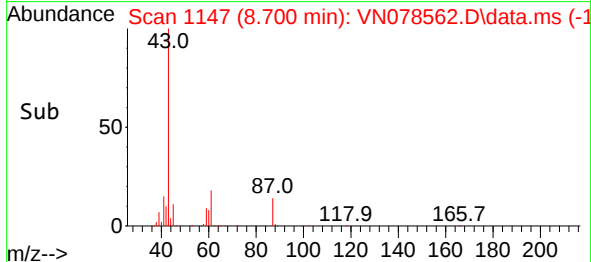
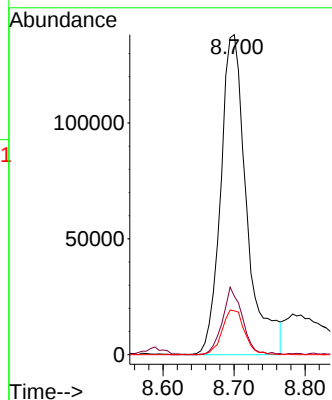
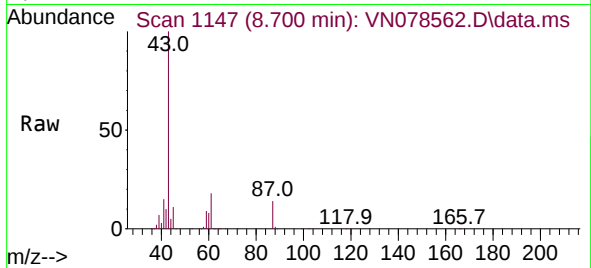




#43
Isopropyl Acetate
Concen: 33.724 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

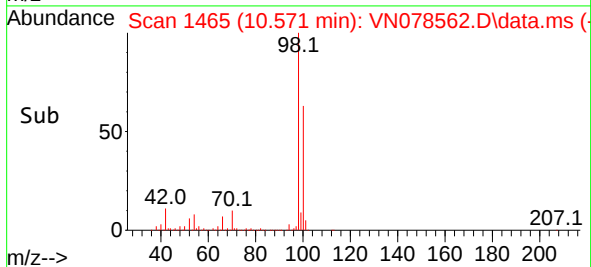
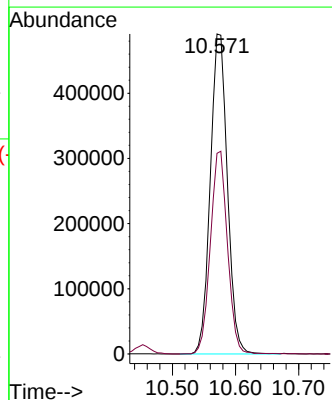
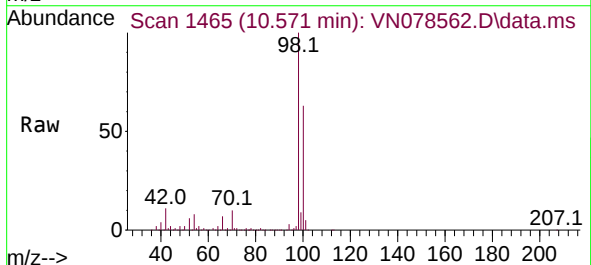
Instrument :
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YARD-1

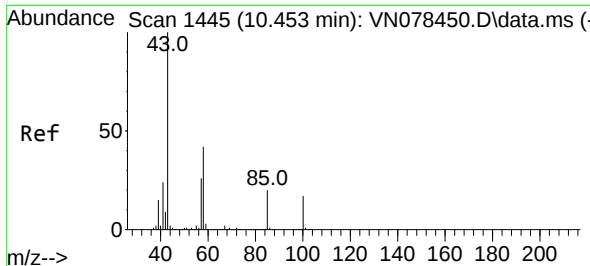
Tgt Ion: 43 Resp: 351848
Ion Ratio Lower Upper
43 100
61 16.2 24.7 37.1#
87 12.0 14.6 21.8#



#50
Toluene-d8
Concen: 46.344 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

Tgt Ion: 98 Resp: 921724
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0

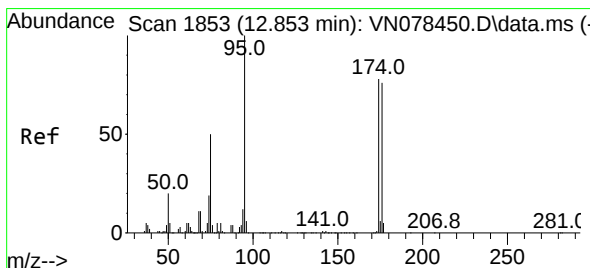
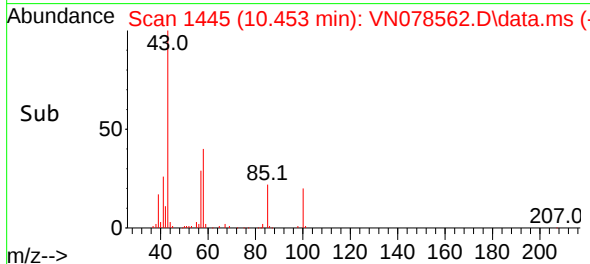
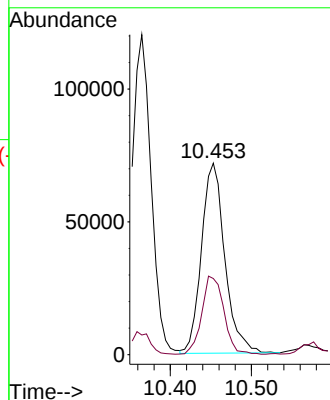
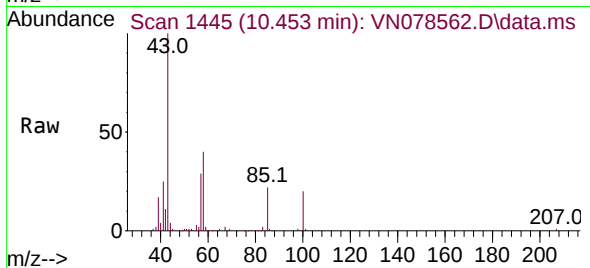




#51
4-Methyl-2-Pentanone
Concen: 23.043 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

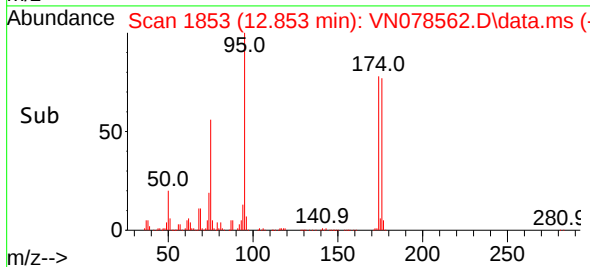
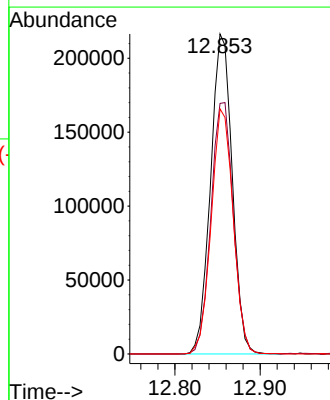
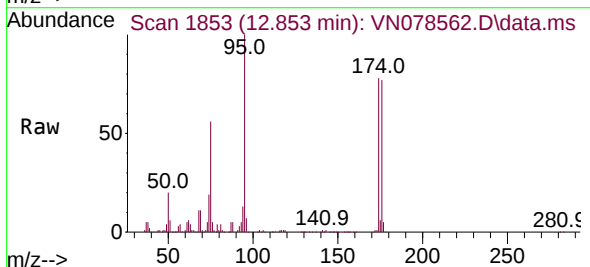
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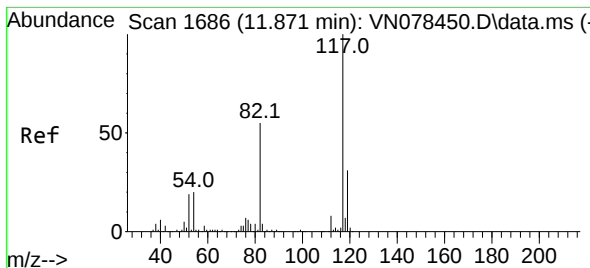
Tgt Ion: 43 Resp: 142998
Ion Ratio Lower Upper
43 100
58 39.4 36.6 54.8



#62
4-Bromofluorobenzene
Concen: 62.292 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078562.D
Acq: 18 Jul 2023 15:38

Tgt Ion: 95 Resp: 381609
Ion Ratio Lower Upper
95 100
174 81.2 0.0 143.8
176 77.7 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN078562.D

Acq: 18 Jul 2023 15:38

Instrument :

MSVOA_N

ClientSampleId :

YARD-1

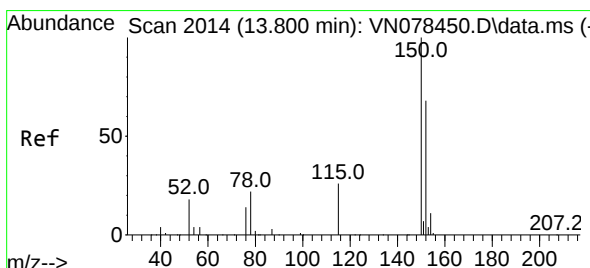
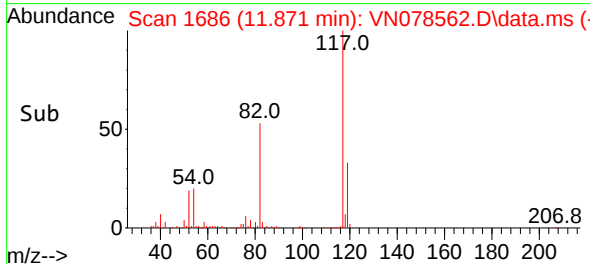
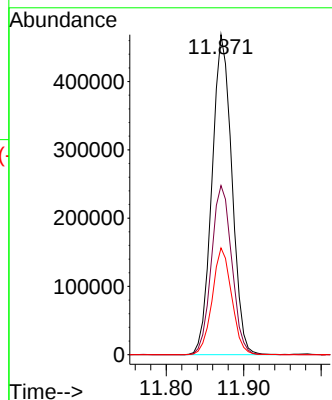
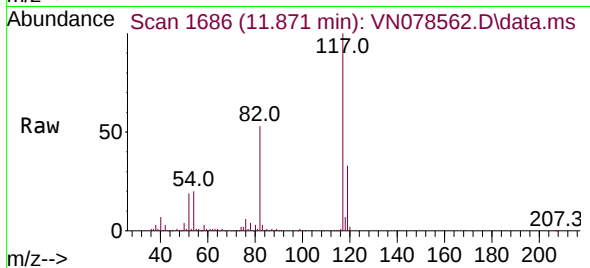
Tgt Ion:117 Resp: 836304

Ion Ratio Lower Upper

117 100

82 52.8 44.0 66.0

119 33.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN078562.D

Acq: 18 Jul 2023 15:38

Tgt Ion:152 Resp: 264305

Ion Ratio Lower Upper

152 100

115 60.2 32.3 96.8

150 154.6 0.0 355.8

