

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081123\
 Data File : VN078867.D
 Acq On : 11 Aug 2023 16:52
 Operator : JC\MD
 Sample : 03988-02DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(AUG)DL

Quant Time: Aug 12 01:42:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 09 05:05:47 2023
 Response via : Initial Calibration

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

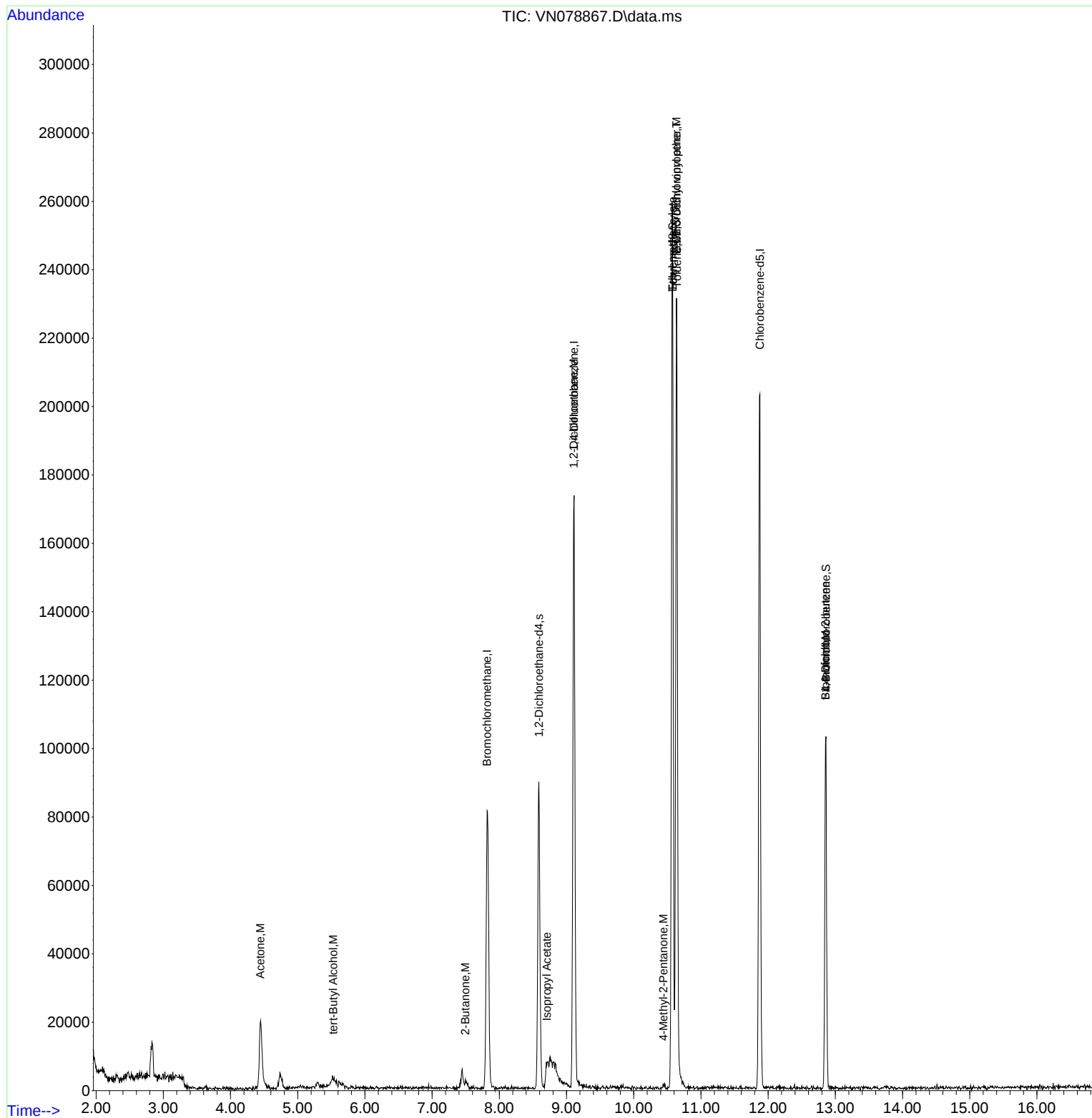
Internal Standards						
1) Bromochloromethane	7.818	128	26380	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	137806	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.877	117	115164	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	67639	31.848	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.167%
60) 4-Bromofluorobenzene	12.859	95	33800	20.909	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	69.700%
63) Toluene-d8	10.577	98	170305	30.178	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.600%
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	11119	51.289	ug/l	86
23) tert-Butyl Alcohol	5.530	59	741	2.370	ug/l #	100
30) 2-Butanone	7.494	43	1512	1.378	ug/l #	79
36) 1,2-Dichloroethane	9.106	62	5926	2.488	ug/l #	75
44) Isopropyl Acetate	8.706	43	4459	1.090	ug/l #	55
49) cis-1,3-Dichloropropene	10.635	75	913	0.336	ug/l #	1
51) Ethyl methacrylate	10.577	69	516	0.226	ug/l #	59
55) 2-Chloroethyl vinyl ether	10.635	63	12054	14.299	ug/l #	1
56) Bromoform	12.853	173	374	0.351	ug/l #	1
58) 4-Methyl-2-Pentanone	10.441	43	599	0.271	ug/l #	42
62) Toluene	10.641	91	172366	25.422	ug/l	99
77) t-1,4-Dichloro-2-butene	12.853	75	21006	35.641	ug/l #	15

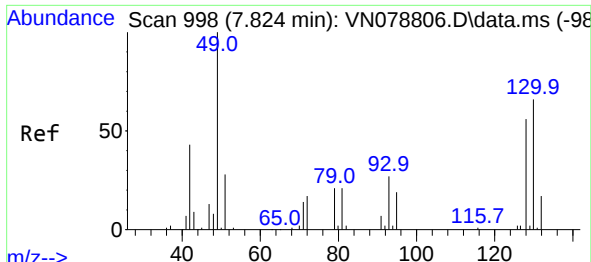
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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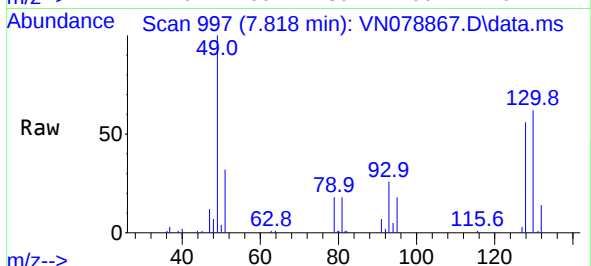
Quant Time: Aug 12 01:42:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080823W.M
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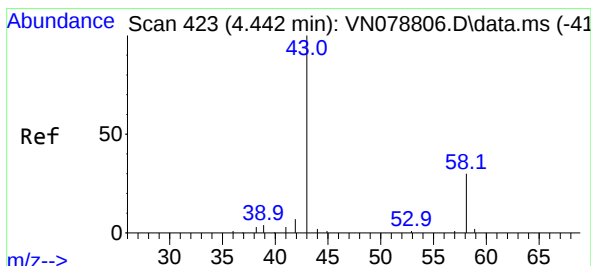
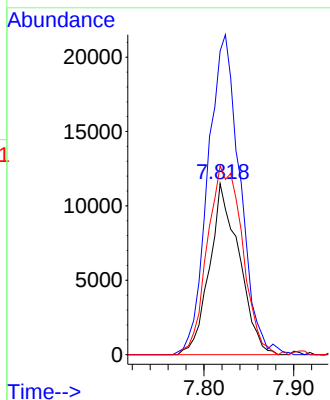
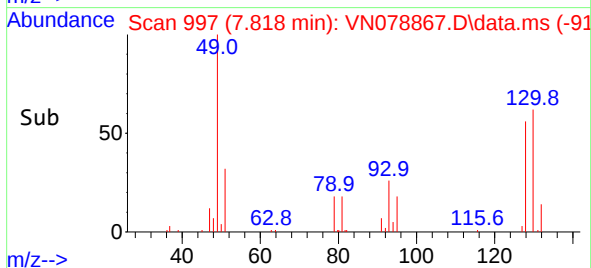


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

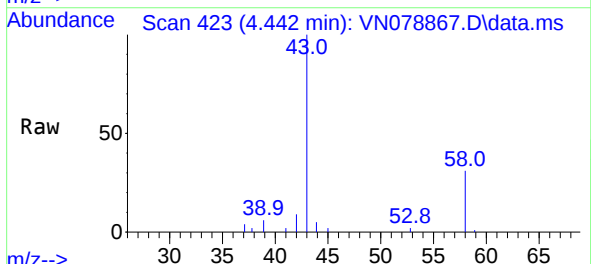
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)DL



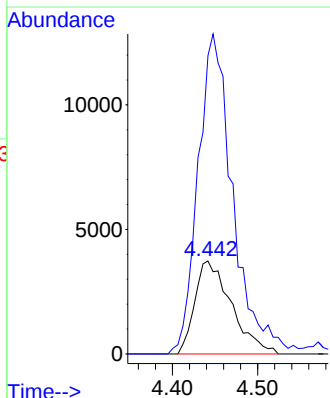
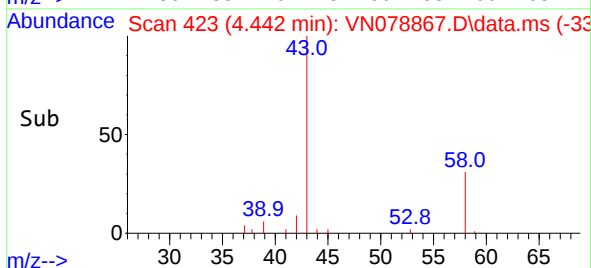
Tgt Ion:128 Resp: 26380
Ion Ratio Lower Upper
128 100
49 200.9 0.0 370.8
130 130.5 0.0 307.0

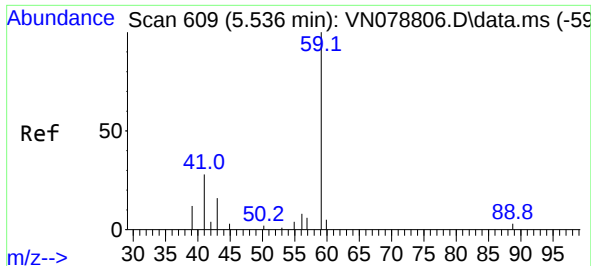


#15
Acetone
Concen: 51.289 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52



Tgt Ion: 58 Resp: 11119
Ion Ratio Lower Upper
58 100
43 311.1 227.5 341.3

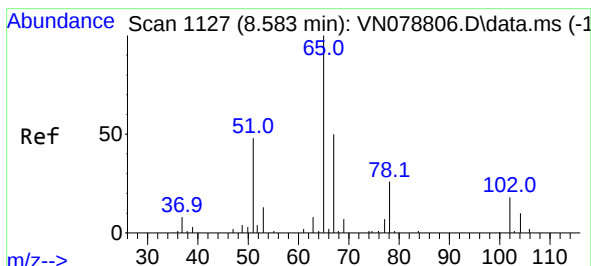
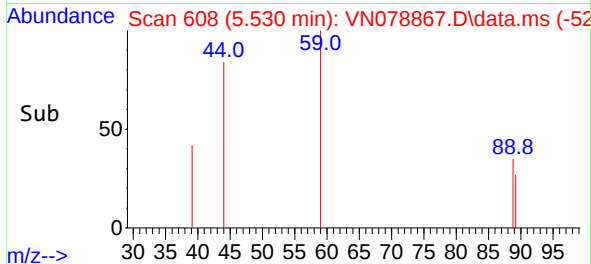
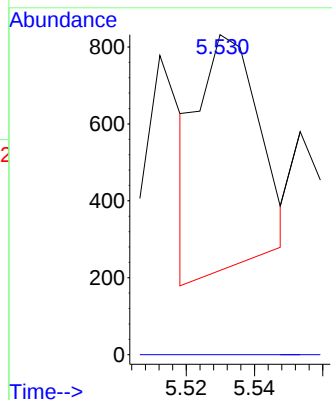
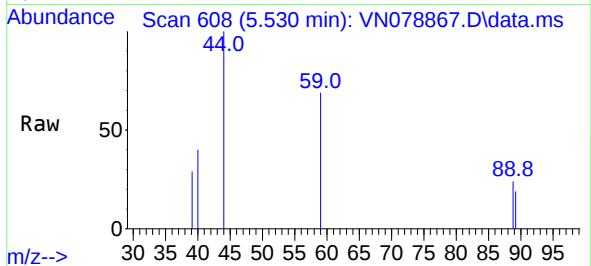




#23
tert-Butyl Alcohol
Concen: 2.370 ug/l
RT: 5.530 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

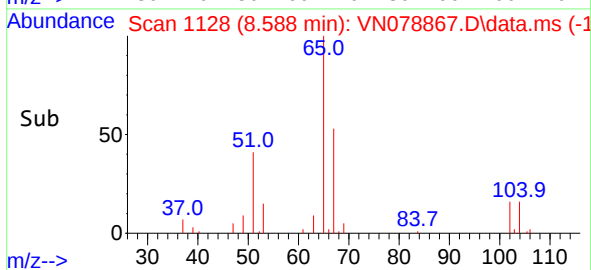
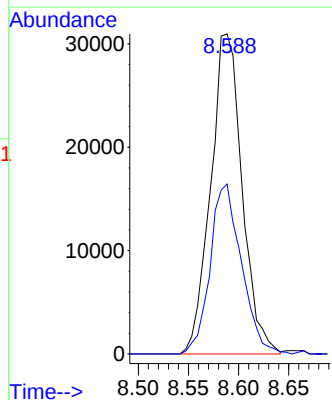
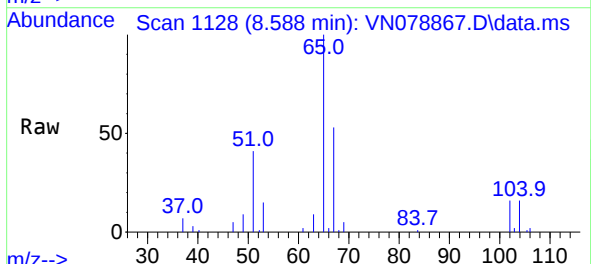
Instrument :
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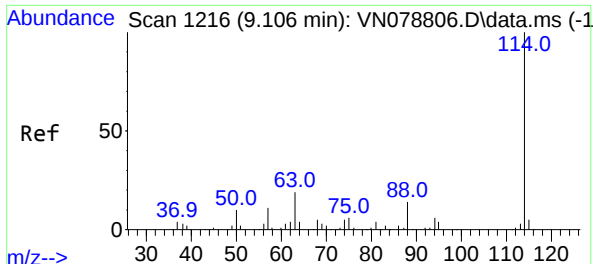
Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 31.848 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Tgt Ion: 65 Resp: 67639
Ion Ratio Lower Upper
65 100
67 52.7 42.9 64.3

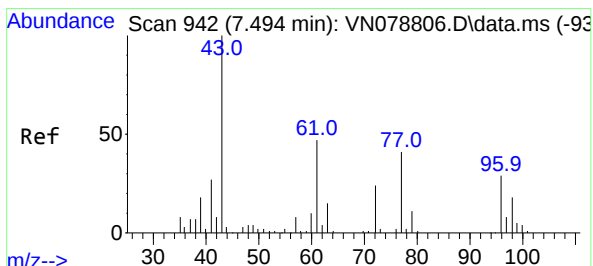
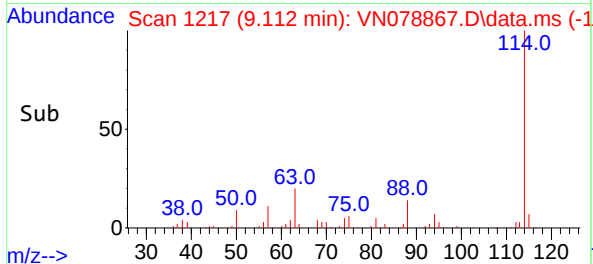
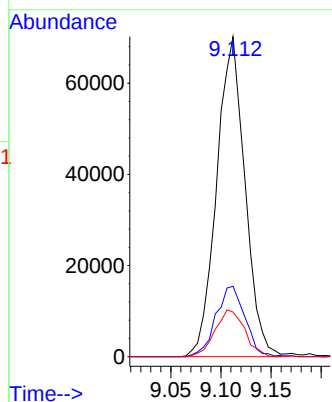
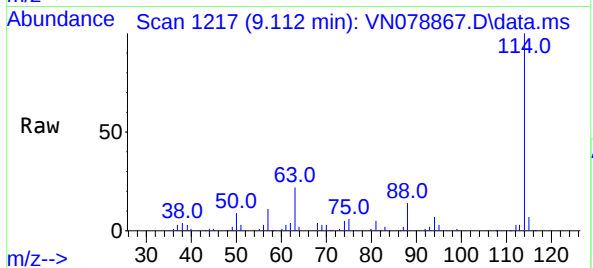




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

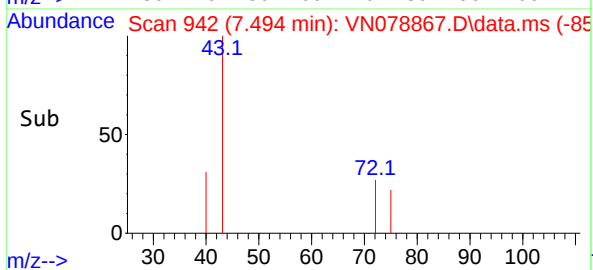
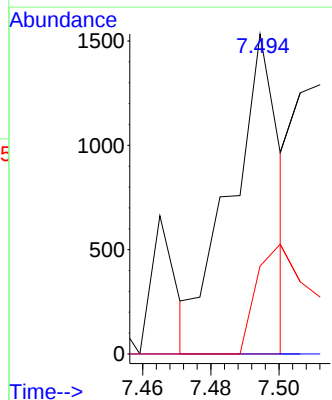
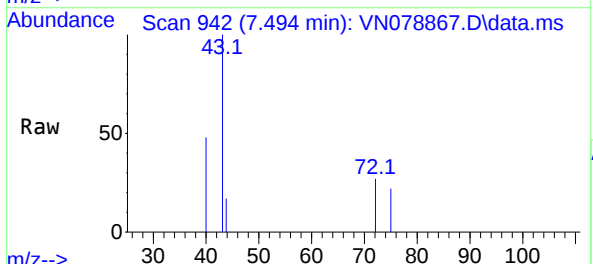
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)DL

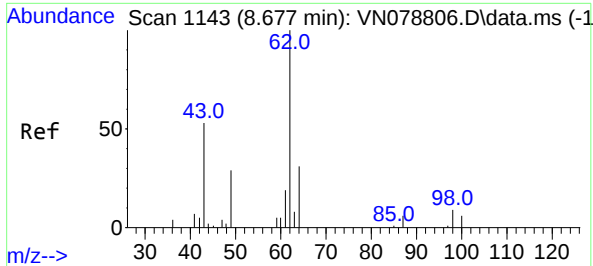
Tgt Ion:114 Resp: 137806
Ion Ratio Lower Upper
114 100
63 22.5 15.2 22.8
88 15.3 12.5 18.7



#30
2-Butanone
Concen: 1.378 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Tgt Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
57 0.0 6.8 10.2#
72 40.9 23.8 35.6#





#36

1,2-Dichloroethane

Concen: 2.488 ug/l

RT: 9.106 min Scan# 1143

Delta R.T. 0.429 min

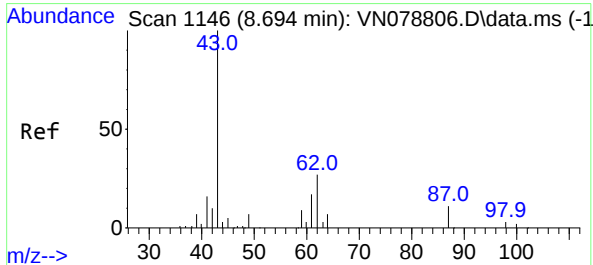
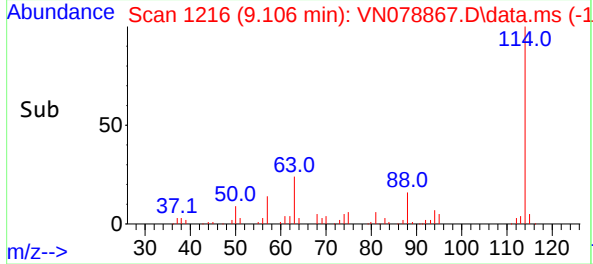
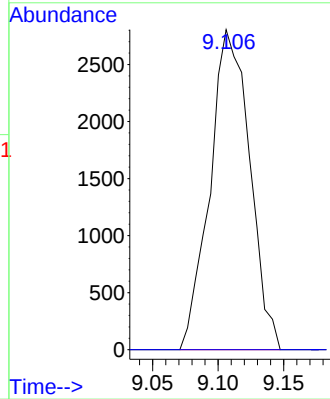
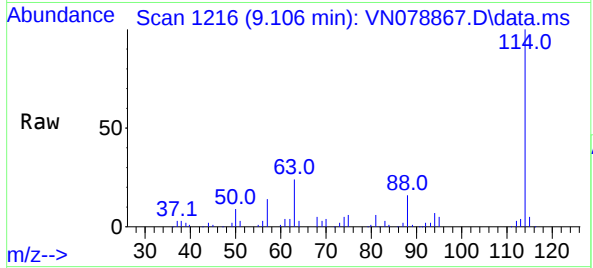
Lab File: VN078867.D

Acq: 11 Aug 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)DL

Tgt Ion: 62 Resp: 5926

Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.4	11.0#



#44

Isopropyl Acetate

Concen: 1.090 ug/l

RT: 8.706 min Scan# 1148

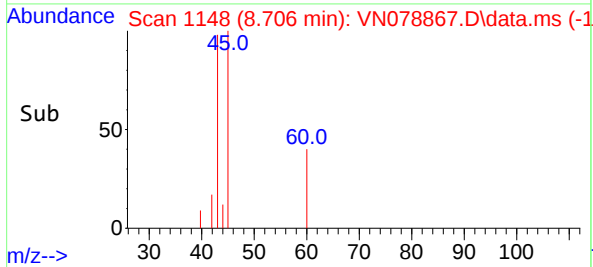
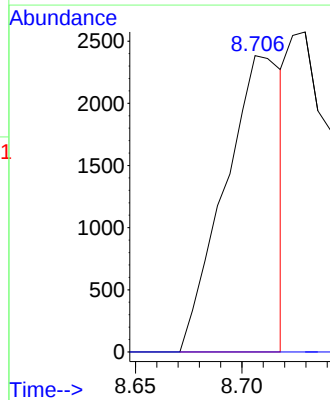
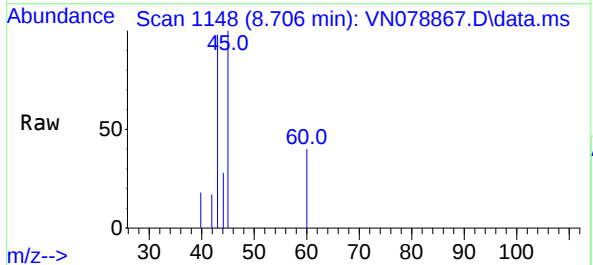
Delta R.T. 0.012 min

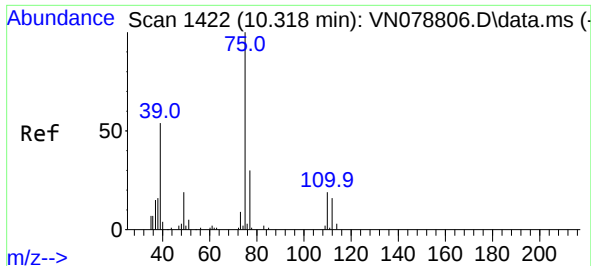
Lab File: VN078867.D

Acq: 11 Aug 2023 16:52

Tgt Ion: 43 Resp: 4459

Ion	Ratio	Lower	Upper
43	100		
61	5.1	23.0	34.6#





#49

cis-1,3-Dichloropropene

Concen: 0.336 ug/l

RT: 10.635 min Scan# 14

Delta R.T. 0.318 min

Lab File: VN078867.D

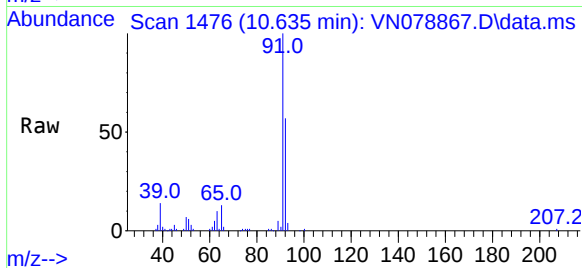
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Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE(AUG)DL



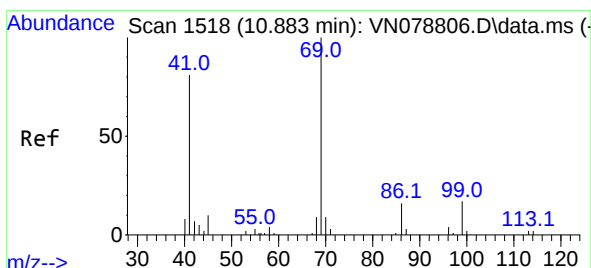
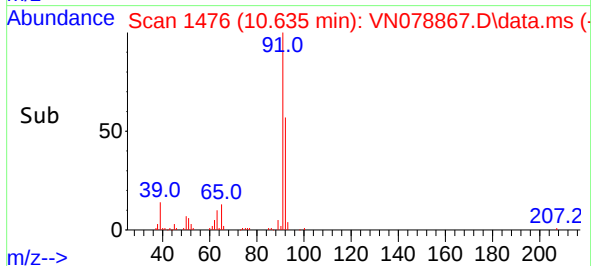
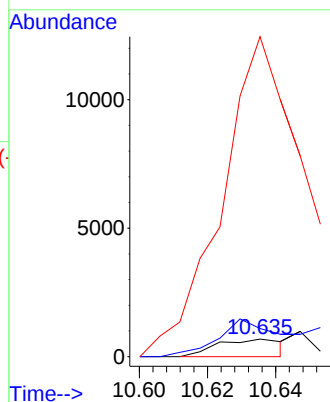
Tgt Ion: 75 Resp: 913

Ion Ratio Lower Upper

75 100

77 135.1 24.0 36.0#

39 1615.7 35.1 52.7#



#51

Ethyl methacrylate

Concen: 0.226 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.306 min

Lab File: VN078867.D

Acq: 11 Aug 2023 16:52

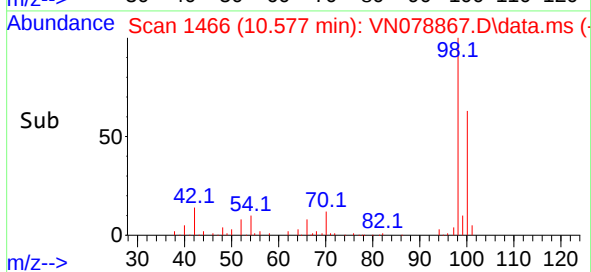
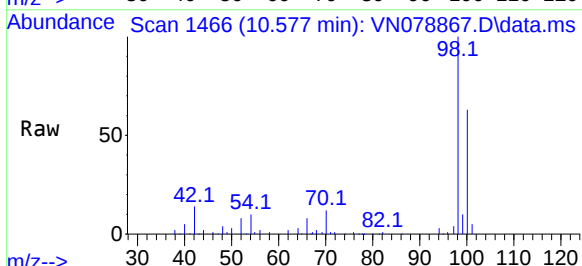
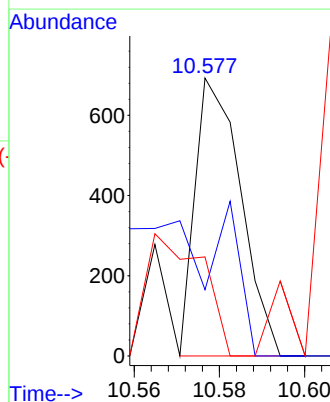
Tgt Ion: 69 Resp: 516

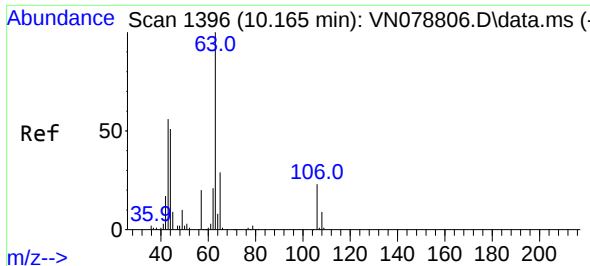
Ion Ratio Lower Upper

69 100

41 23.8 26.0 78.0#

39 8.7 16.3 48.9#

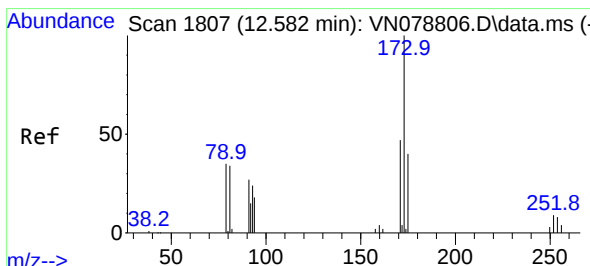
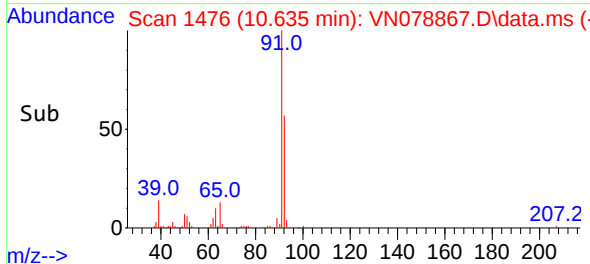
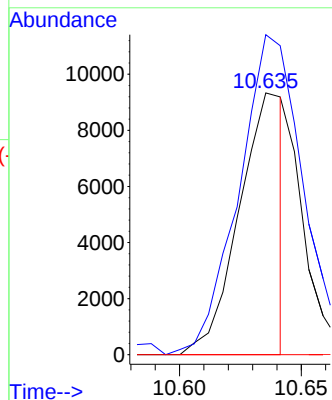
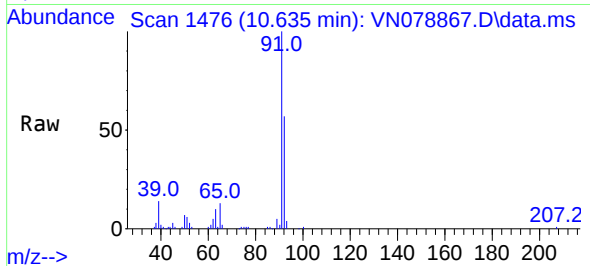




#55
2-Chloroethyl vinyl ether
Concen: 14.299 ug/l
RT: 10.635 min Scan# 14
Delta R.T. 0.471 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

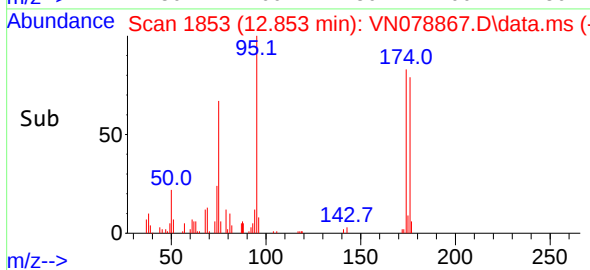
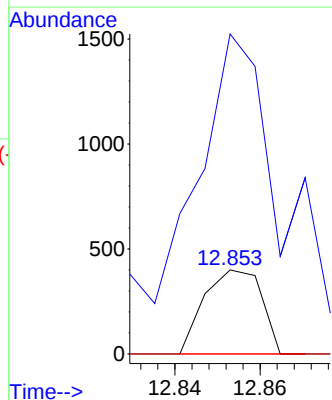
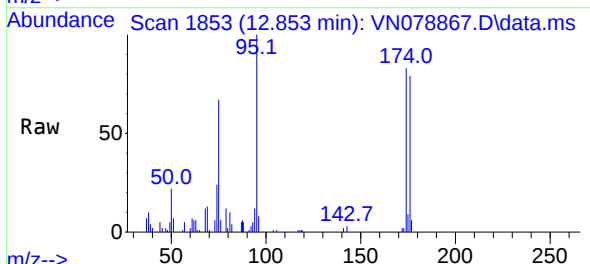
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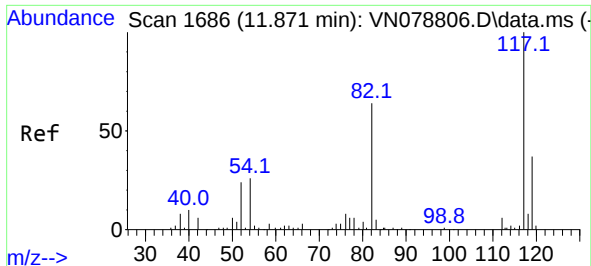
Tgt Ion: 63 Resp: 12054
Ion Ratio Lower Upper
63 100
65 123.0 26.3 39.5#
106 0.0 23.8 35.6#



#56
Bromoform
Concen: 0.351 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Tgt Ion: 173 Resp: 374
Ion Ratio Lower Upper
173 100
175 619.5 40.7 61.1#
254 0.0 6.5 9.7#

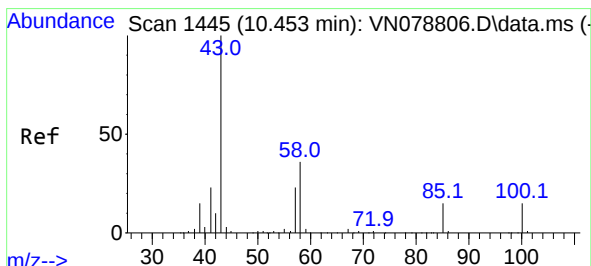
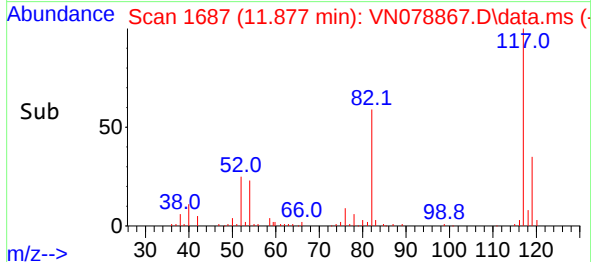
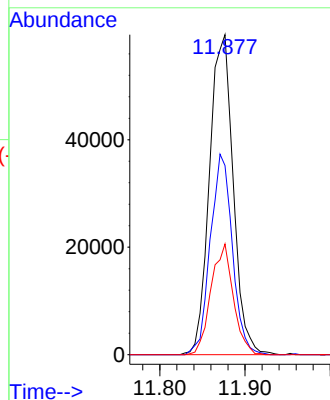
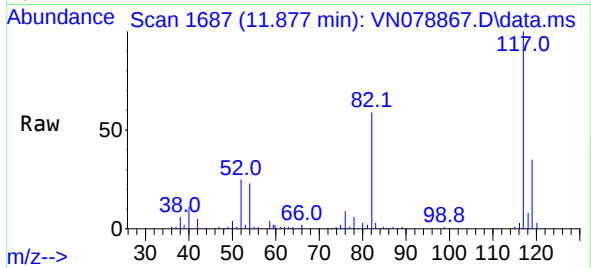




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.877 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

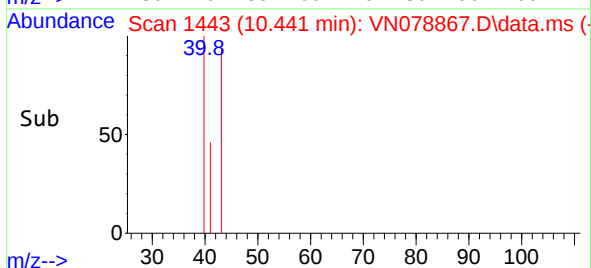
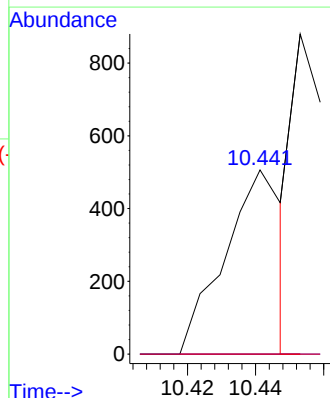
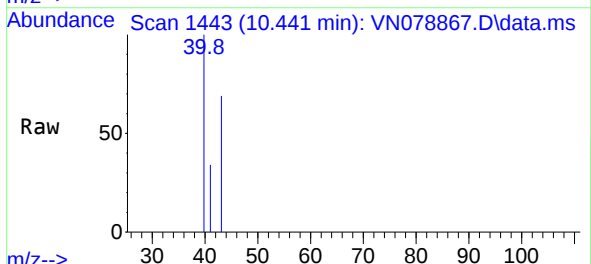
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)DL

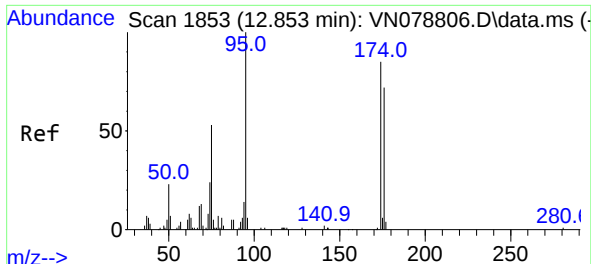
Tgt Ion:117 Resp: 115164
Ion Ratio Lower Upper
117 100
82 58.3 43.9 65.9
119 32.5 26.2 39.4



#58
4-Methyl-2-Pentanone
Concen: 0.271 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.012 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
58 0.0 32.6 48.8#
85 0.0 16.2 24.2#



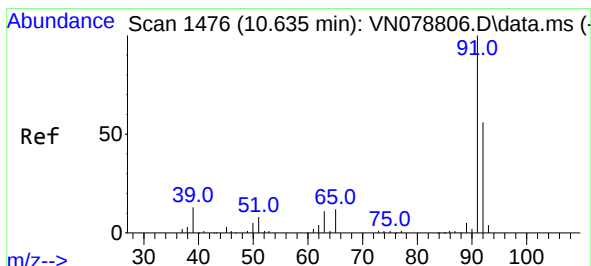
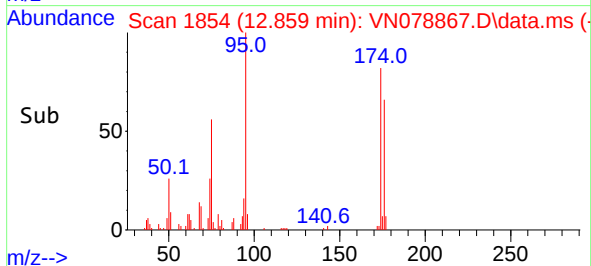
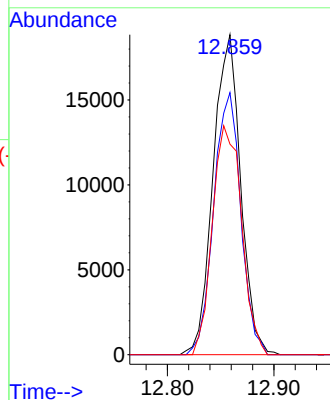
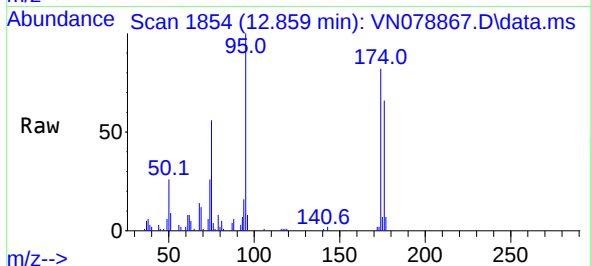


#60
4-Bromofluorobenzene
Concen: 20.909 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)DL

Tgt Ion: 95 Resp: 33800

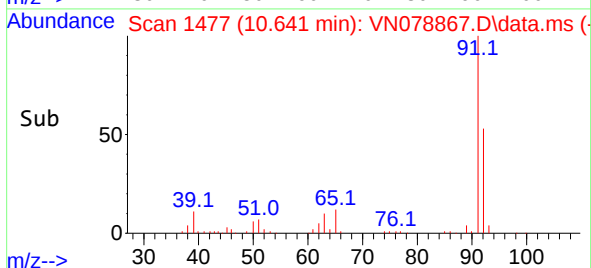
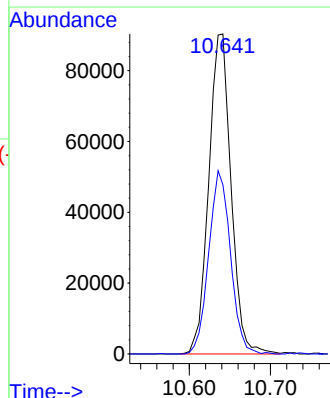
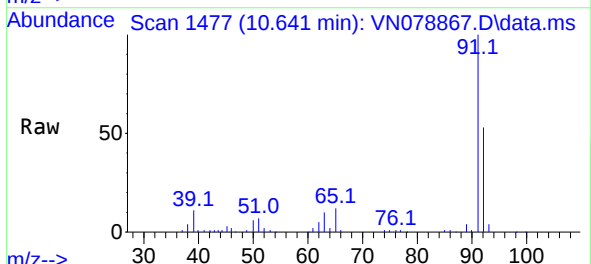
Ion	Ratio	Lower	Upper
95	100		
174	80.7	61.7	92.5
176	75.8	58.1	87.1

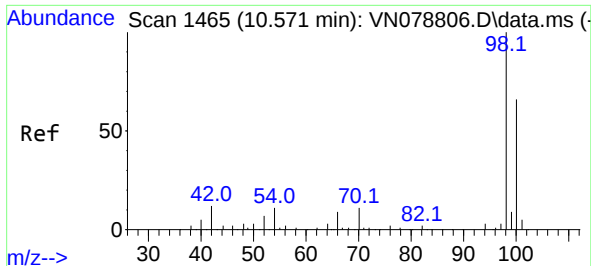


#62
Toluene
Concen: 25.422 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Tgt Ion: 91 Resp: 172366

Ion	Ratio	Lower	Upper
91	100		
92	55.8	45.2	67.8

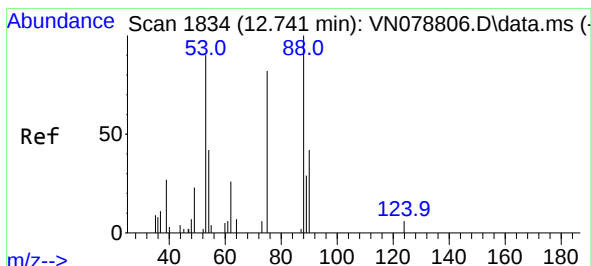
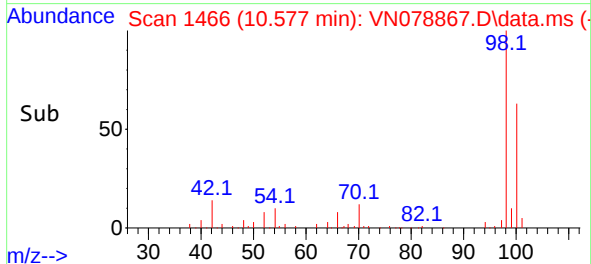
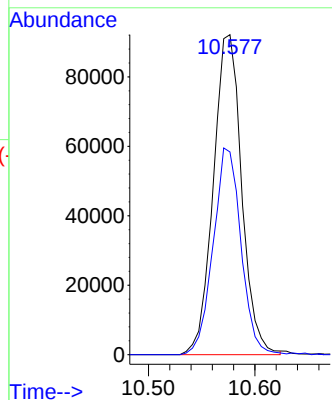
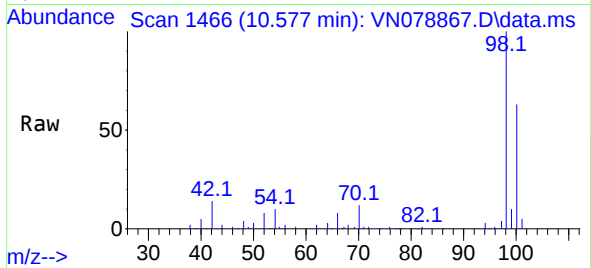




#63
Toluene-d8
Concen: 30.178 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)DL

Tgt Ion: 98 Resp: 170305
Ion Ratio Lower Upper
98 100
100 63.3 49.7 74.5



#77
t-1,4-Dichloro-2-butene
Concen: 35.641 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078867.D
Acq: 11 Aug 2023 16:52

Tgt Ion: 75 Resp: 21006
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

