

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080923\
 Data File : VN078820.D
 Acq On : 09 Aug 2023 15:08
 Operator : JC\MD
 Sample : 03940-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 10 05:29:52 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)

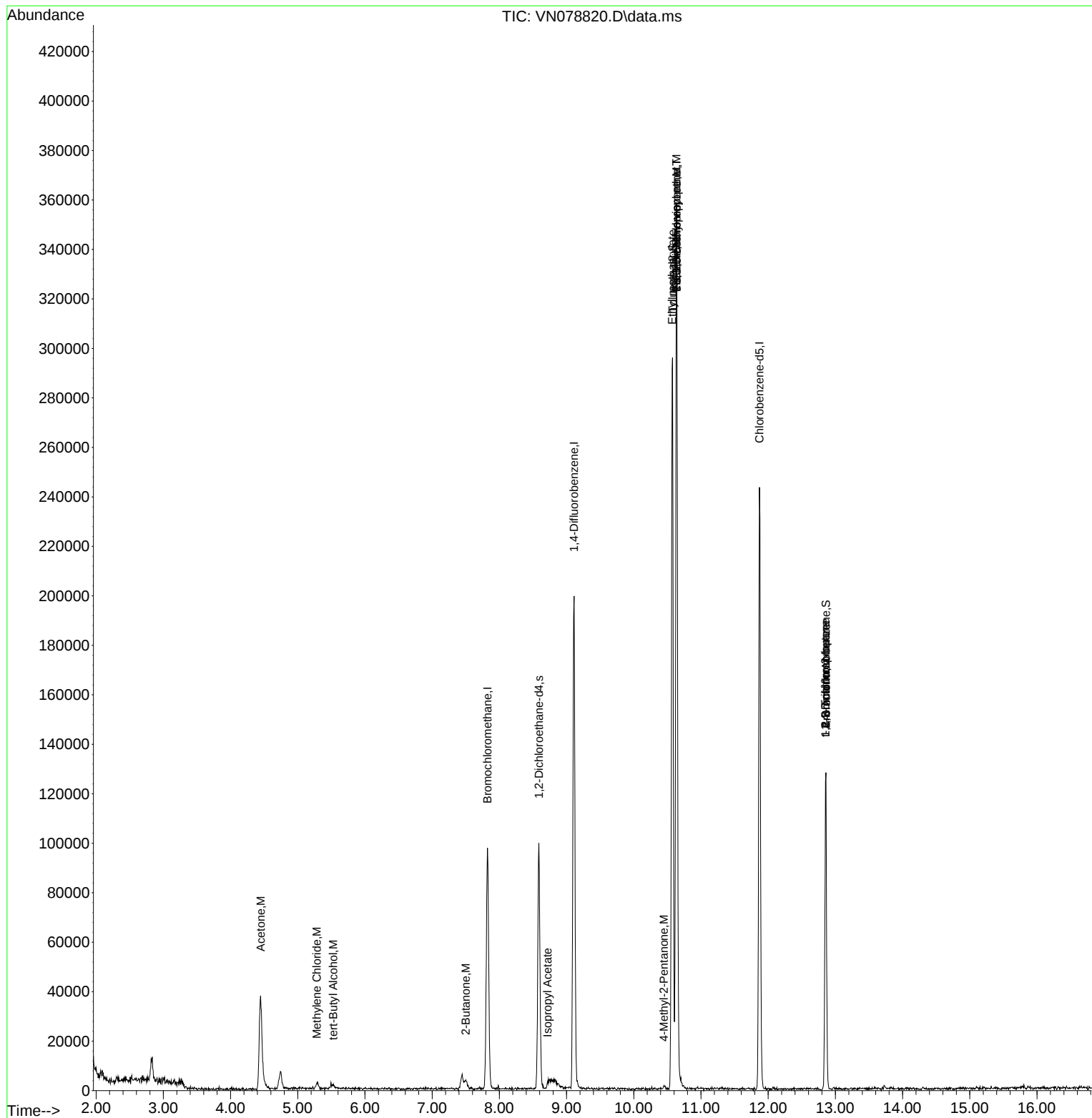
Internal Standards						
1) Bromochloromethane	7.824	128	32355	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	163241	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	135504	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	76680	29.437	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.133%
60) 4-Bromofluorobenzene	12.859	95	41255	21.690	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	72.300%
63) Toluene-d8	10.576	98	197043	29.675	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
					Qvalue	
15) Acetone	4.447	58	20724	77.941	ug/l	99
18) Methylene Chloride	5.283	84	915	0.407	ug/l #	68
23) tert-Butyl Alcohol	5.530	59	1187	3.095	ug/l #	100
30) 2-Butanone	7.500	43	5195	3.997	ug/l #	92
44) Isopropyl Acetate	8.718	43	999	0.206	ug/l #	69
48) t-1,3-Dichloropropene	10.635	75	1526	0.528	ug/l #	1
49) cis-1,3-Dichloropropene	10.635	75	1526	0.474	ug/l #	1
51) Ethyl methacrylate	10.571	69	1074	0.397	ug/l	95
55) 2-Chloroethyl vinyl ether	10.635	63	19672	19.700	ug/l #	2
56) Bromoform	12.859	173	356	0.282	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	1263	0.485	ug/l #	59
62) Toluene	10.635	91	262583	32.915	ug/l	99
72) 1,2,3-Trichloropropane	12.853	75	24157	10.934	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	24157	34.835	ug/l #	15

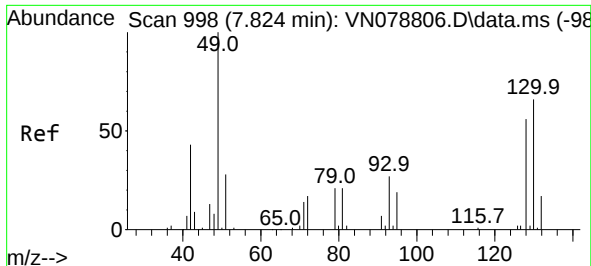
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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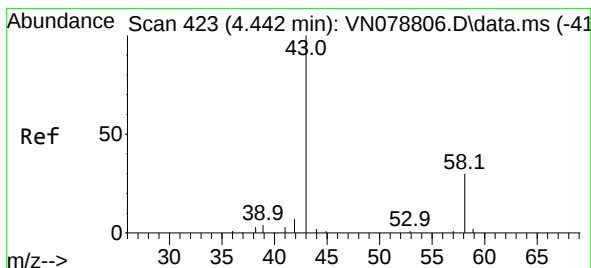
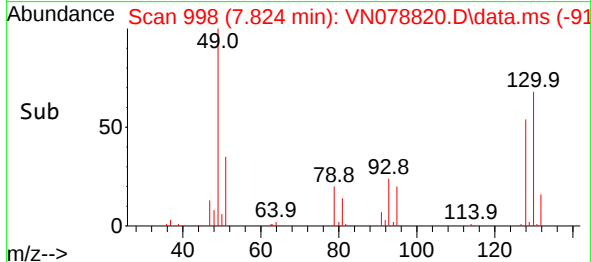
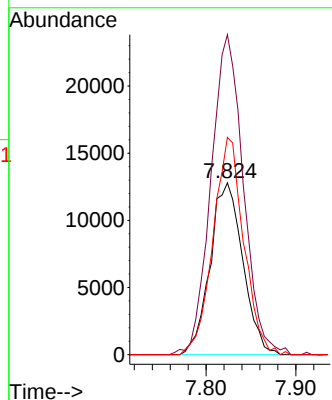
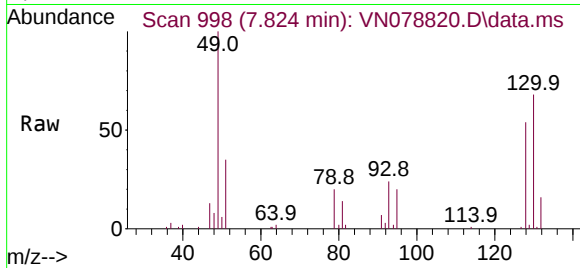




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. -0.000 min
 Lab File: VN078820.D
 Acq: 09 Aug 2023 15:08

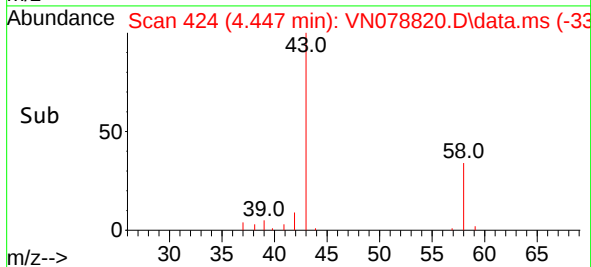
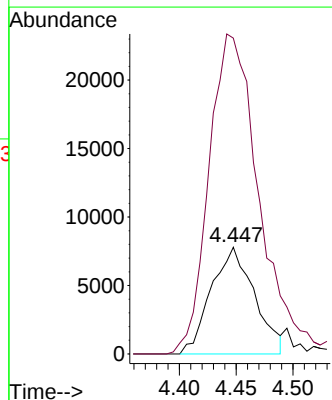
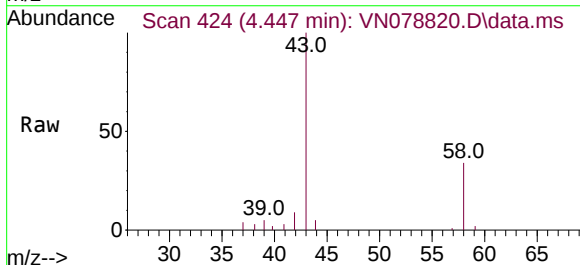
Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(JUNE)DL

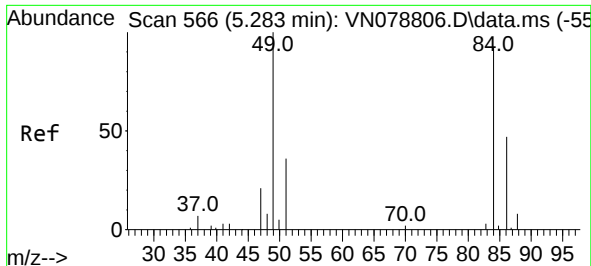
Tgt Ion:128	Resp:	32355	
Ion	Ratio	Lower	Upper
128	100		
49	183.7	0.0	370.8
130	118.8	0.0	307.0



#15
 Acetone
 Concen: 77.941 ug/l
 RT: 4.447 min Scan# 424
 Delta R.T. 0.006 min
 Lab File: VN078820.D
 Acq: 09 Aug 2023 15:08

Tgt Ion: 58	Resp:	20724	
Ion	Ratio	Lower	Upper
58	100		
43	285.6	227.5	341.3

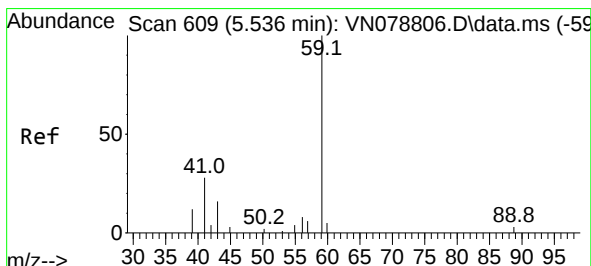
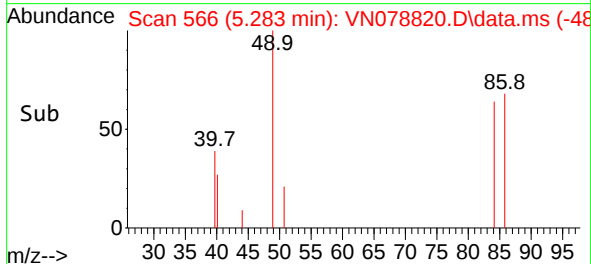
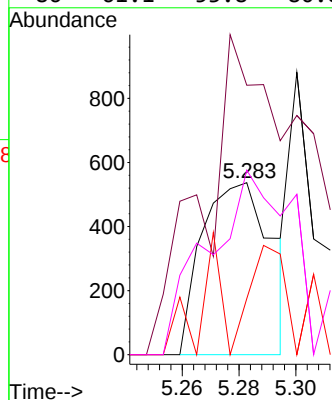
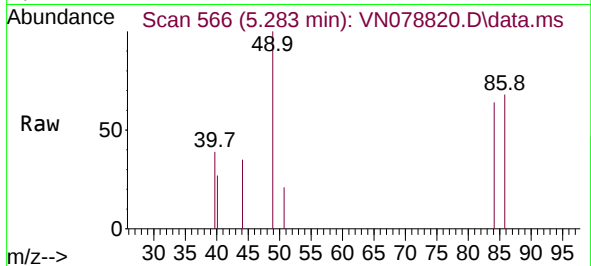




#18
Methylene Chloride
Concen: 0.407 ug/l
RT: 5.283 min Scan# 501
Delta R.T. -0.000 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

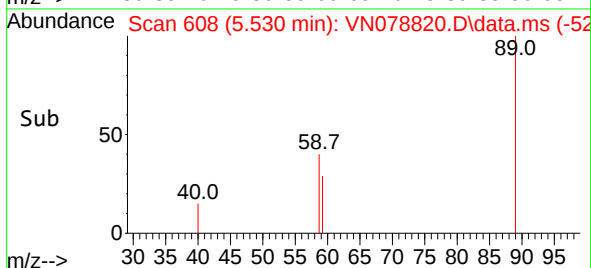
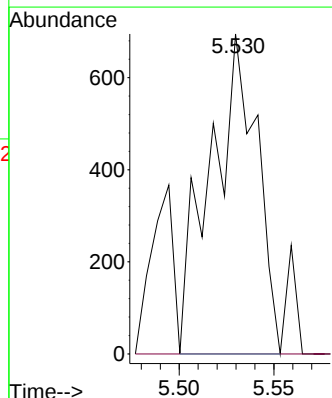
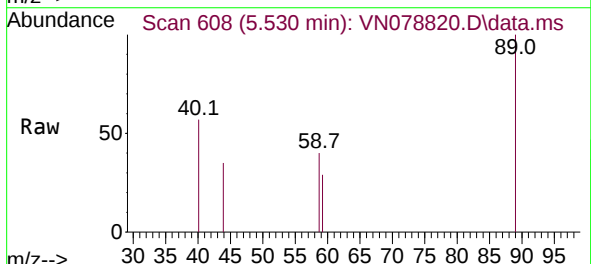
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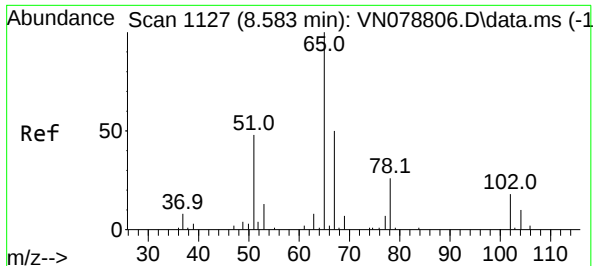
Tgt Ion: 84	Resp: 915
Ion Ratio	Lower Upper
84 100	
49 67.4	88.1 132.1#
51 0.0	24.0 36.0#
86 61.1	53.8 80.8



#23
tert-Butyl Alcohol
Concen: 3.095 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion: 59	Resp: 1187
Ion Ratio	Lower Upper
59 100	
52 0.0	0.1 0.1#

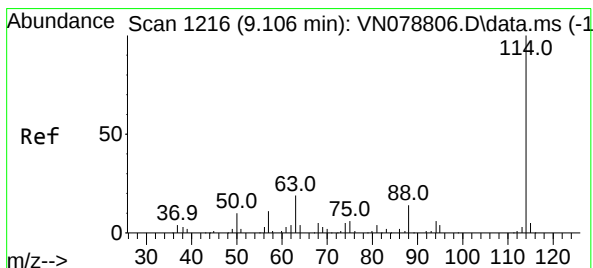
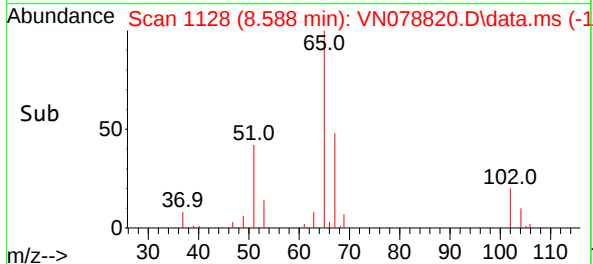
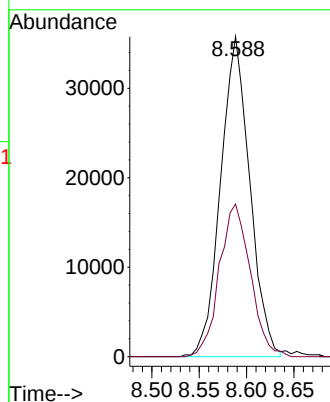
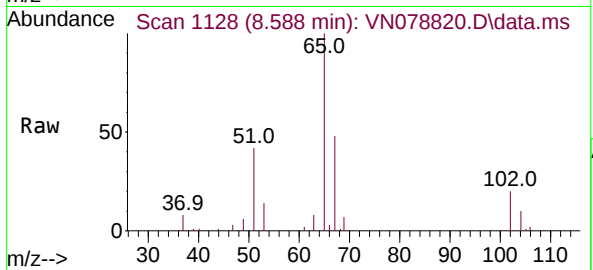




#27
1,2-Dichloroethane-d4
Concen: 29.437 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

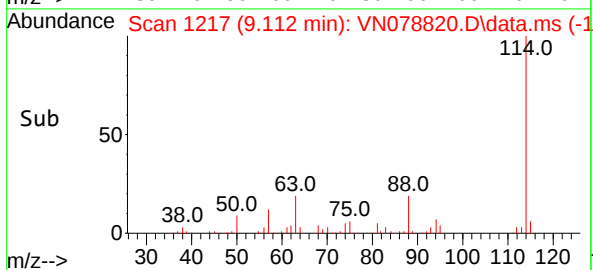
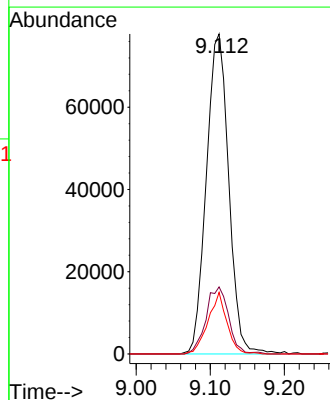
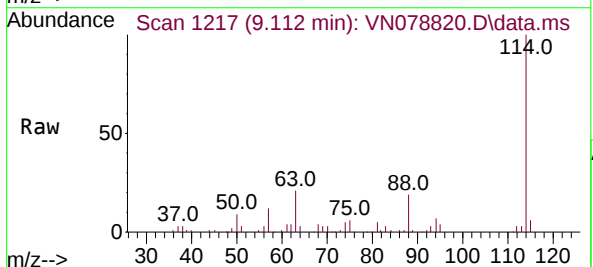
Instrument :
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002-35TH-AVE(JUNE)DL

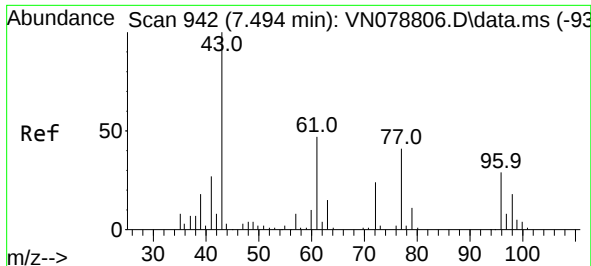
Tgt Ion: 65 Resp: 76680
Ion Ratio Lower Upper
65 100
67 50.6 42.9 64.3



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion: 114 Resp: 163241
Ion Ratio Lower Upper
114 100
63 21.1 15.2 22.8
88 16.2 12.5 18.7

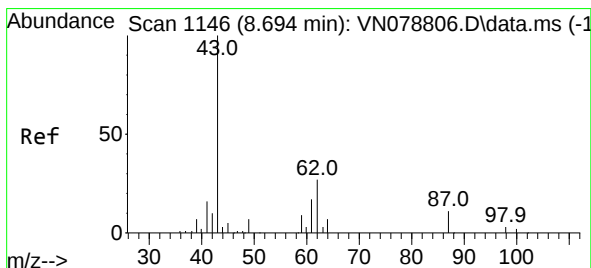
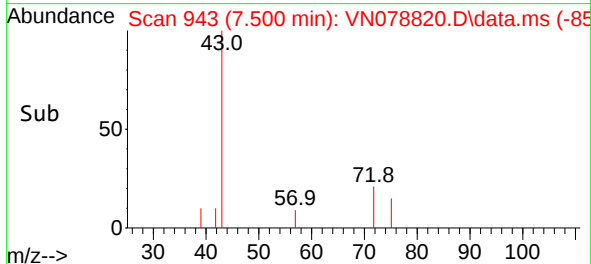
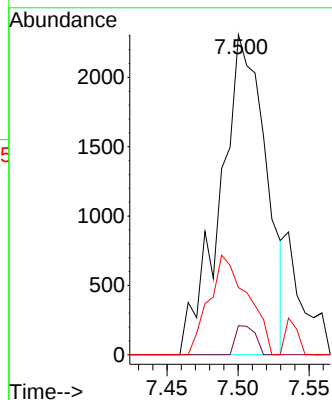
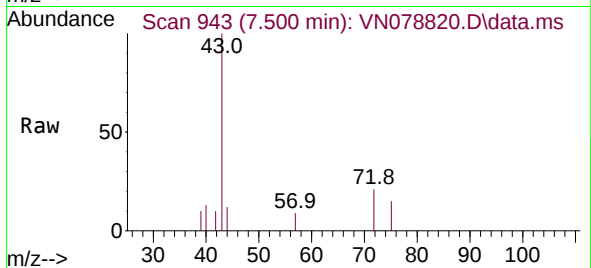




#30
2-Butanone
Concen: 3.997 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

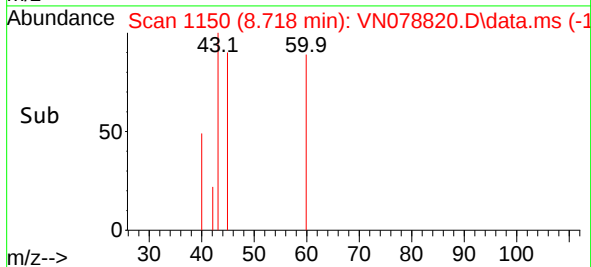
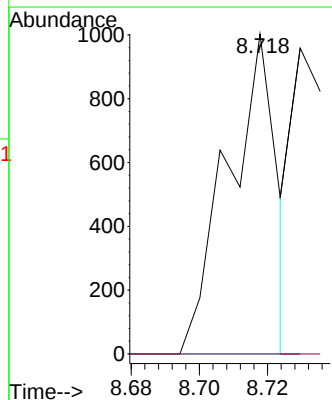
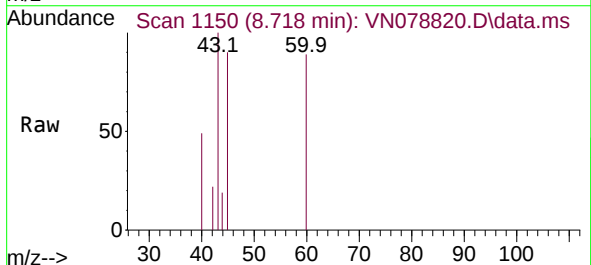
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

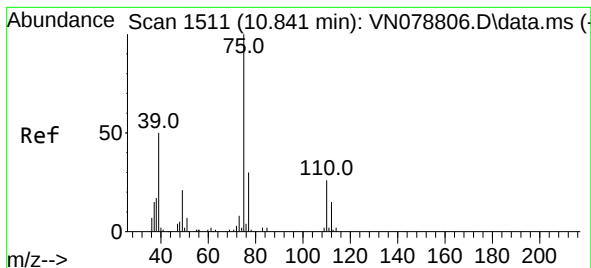
Tgt Ion: 43 Resp: 5195
Ion Ratio Lower Upper
43 100
57 3.9 6.8 10.2#
72 26.1 23.8 35.6



#44
Isopropyl Acetate
Concen: 0.206 ug/l
RT: 8.718 min Scan# 1150
Delta R.T. 0.023 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
61 12.1 23.0 34.6#





#48

t-1,3-Dichloropropene

Concen: 0.528 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. -0.206 min

Lab File: VN078820.D

Acq: 09 Aug 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

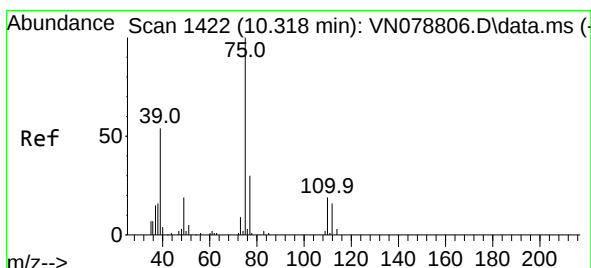
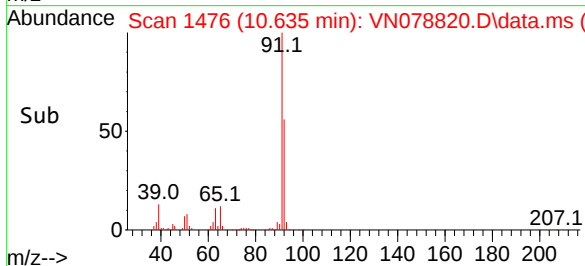
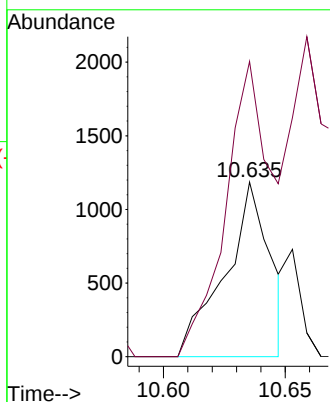
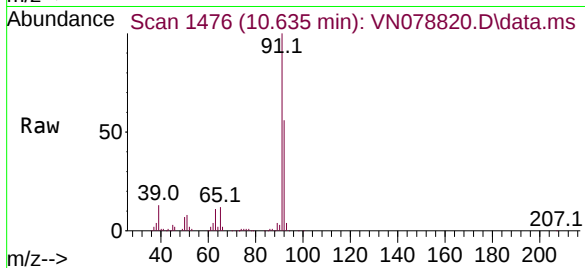
002-35TH-AVE(JUNE)DL

Tgt Ion: 75 Resp: 1526

Ion Ratio Lower Upper

75 100

77 169.2 26.1 39.1#



#49

cis-1,3-Dichloropropene

Concen: 0.474 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.317 min

Lab File: VN078820.D

Acq: 09 Aug 2023 15:08

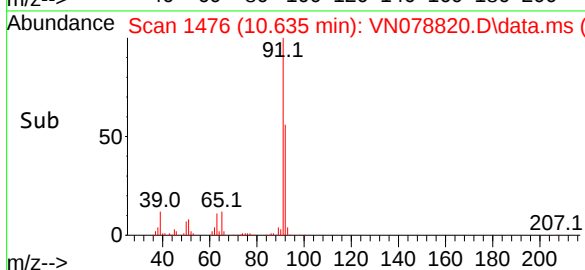
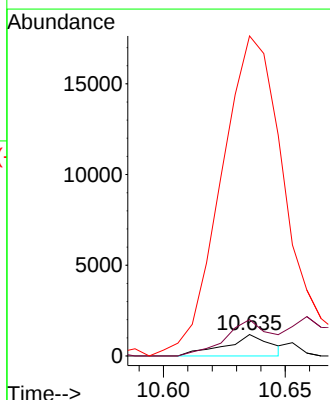
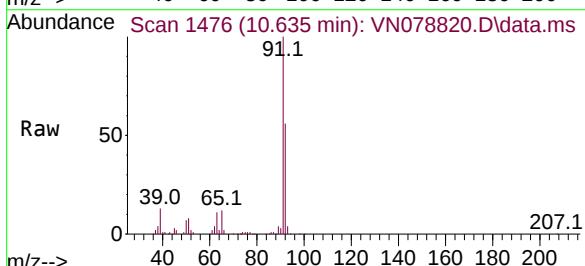
Tgt Ion: 75 Resp: 1526

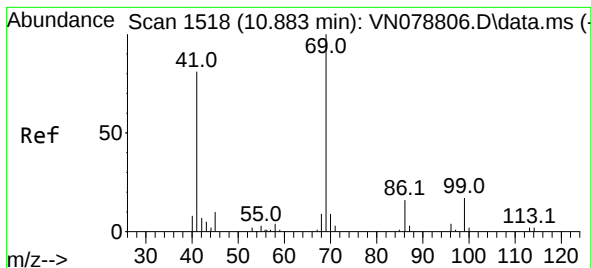
Ion Ratio Lower Upper

75 100

77 169.2 24.0 36.0#

39 1428.8 35.1 52.7#

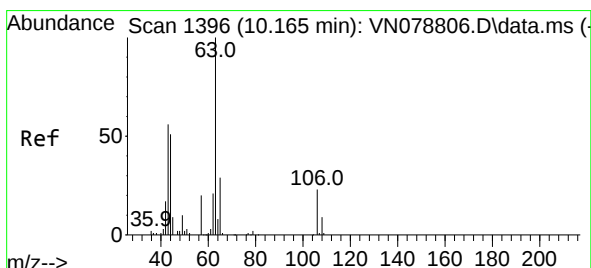
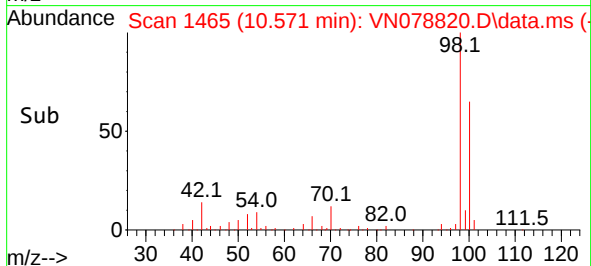
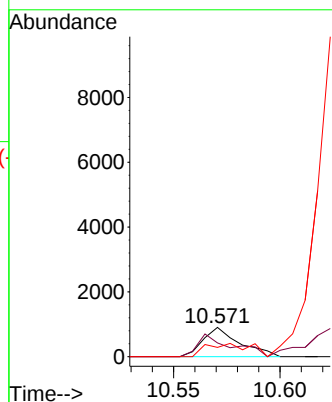
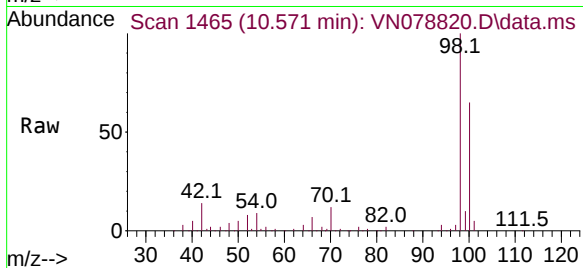




#51
Ethyl methacrylate
Concen: 0.397 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.312 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

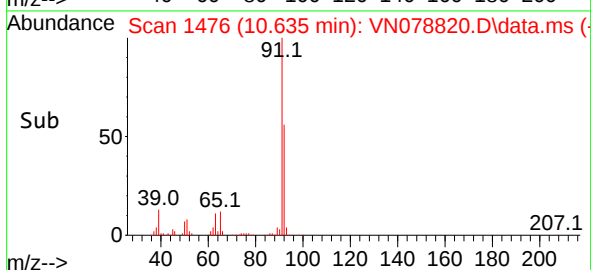
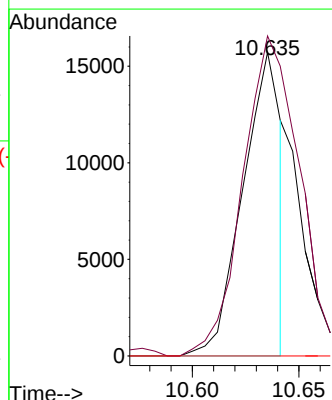
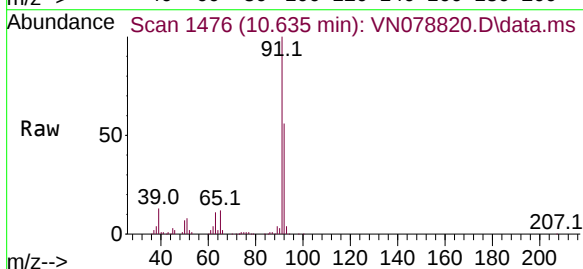
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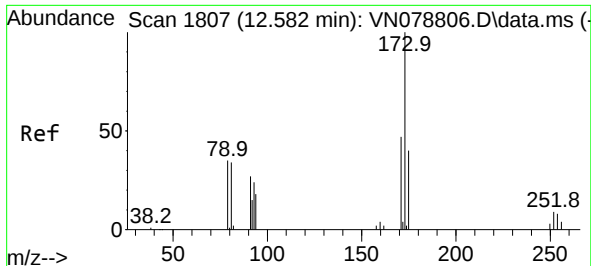
Tgt Ion: 69 Resp: 1074
Ion Ratio Lower Upper
69 100
41 46.9 26.0 78.0
39 31.5 16.3 48.9



#55
2-Chloroethyl vinyl ether
Concen: 19.700 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.470 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion: 63 Resp: 19672
Ion Ratio Lower Upper
63 100
65 110.0 26.3 39.5#
106 0.0 23.8 35.6#

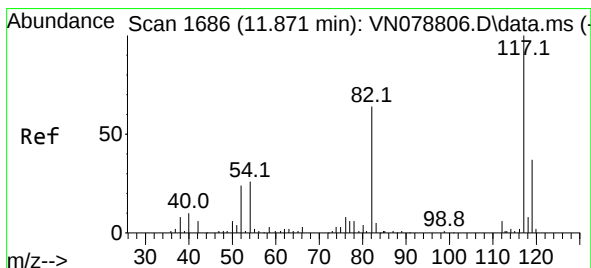
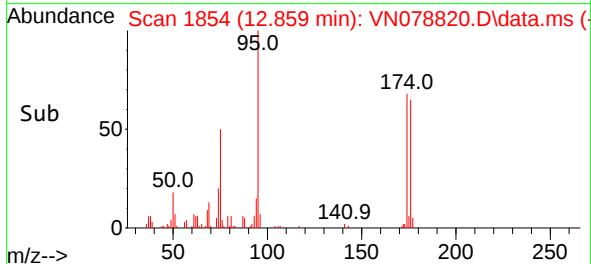
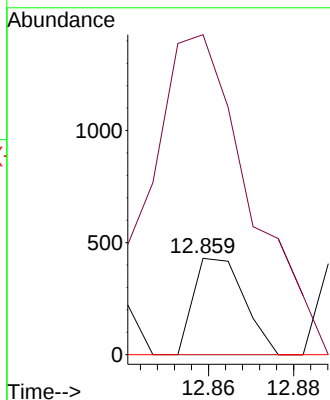
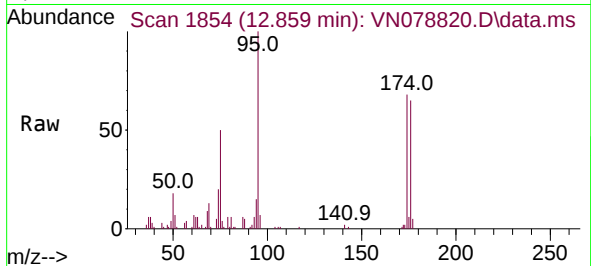




#56
Bromoform
Concen: 0.282 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.276 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

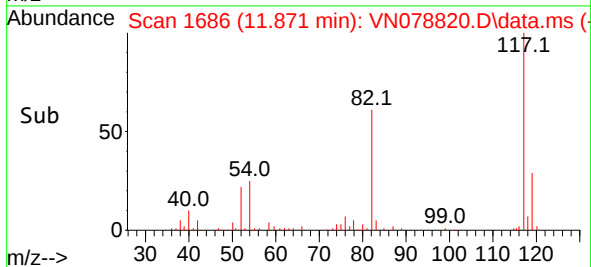
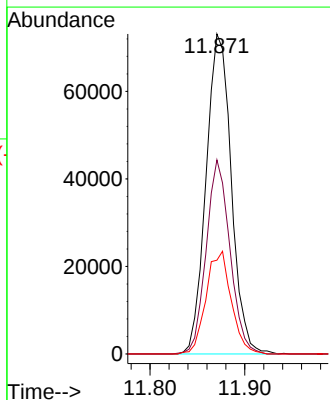
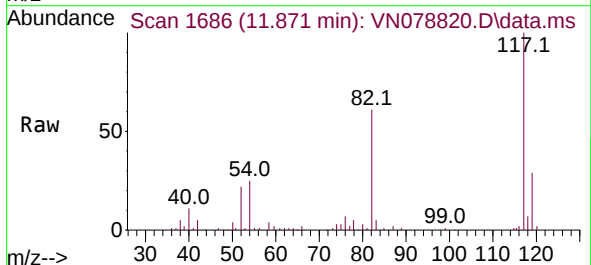
Instrument :
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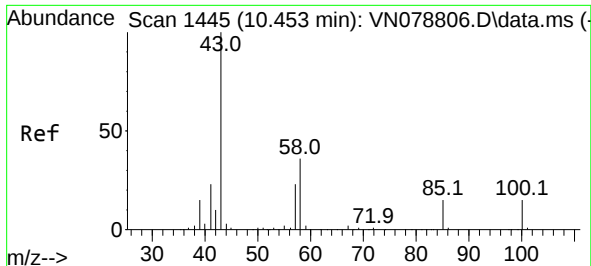
Tgt Ion:173 Resp: 356
Ion Ratio Lower Upper
173 100
175 684.3 40.7 61.1#
254 0.0 6.5 9.7#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion:117 Resp: 135504
Ion Ratio Lower Upper
117 100
82 57.0 43.9 65.9
119 31.9 26.2 39.4

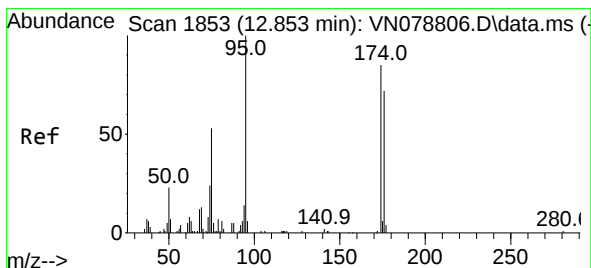
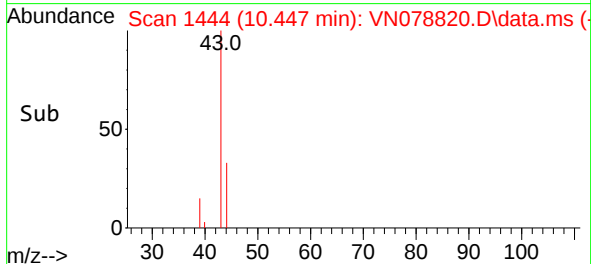
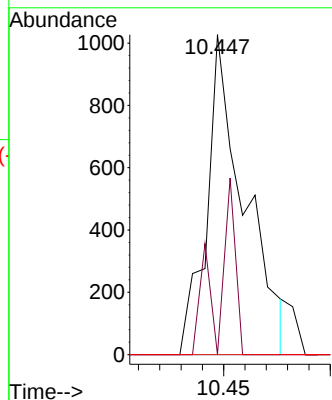
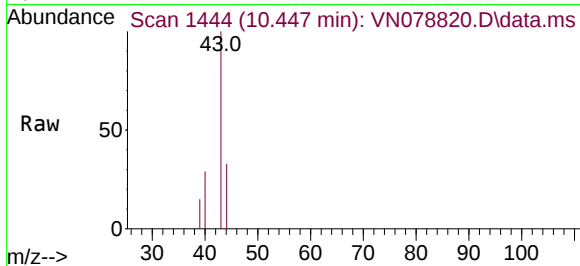




#58
4-Methyl-2-Pentanone
Concen: 0.485 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

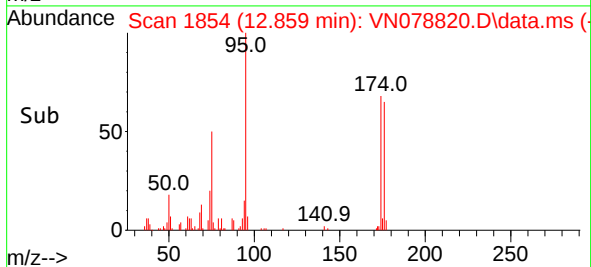
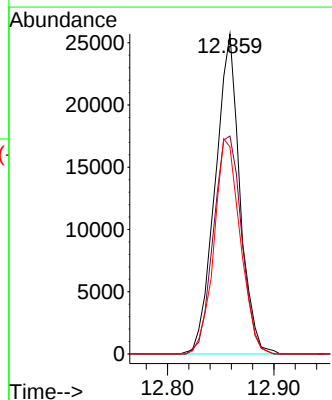
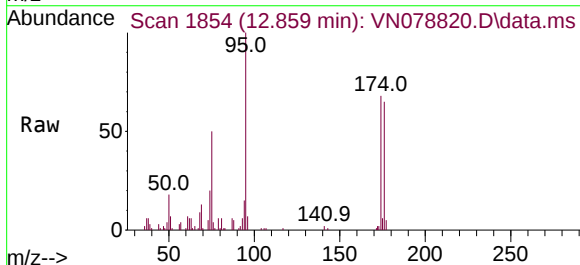
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(JUNE)DL

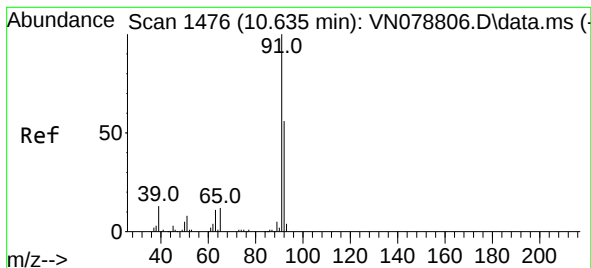
Tgt Ion:	43	Resp:	1263
Ion	Ratio	Lower	Upper
43	100		
58	15.8	32.6	48.8#
85	0.0	16.2	24.2#



#60
4-Bromofluorobenzene
Concen: 21.690 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion:	95	Resp:	41255
Ion	Ratio	Lower	Upper
95	100		
174	77.6	61.7	92.5
176	71.4	58.1	87.1





#62

Toluene

Concen: 32.915 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VN078820.D

Acq: 09 Aug 2023 15:08

Instrument :

MSVOA_N

ClientSampleId :

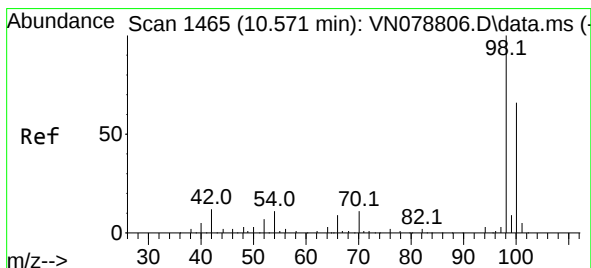
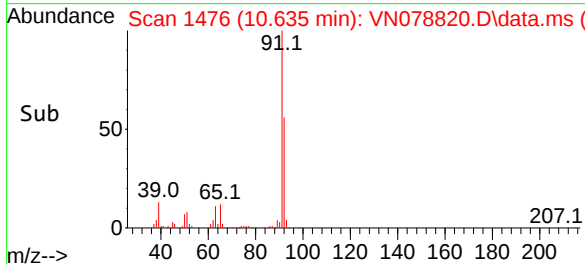
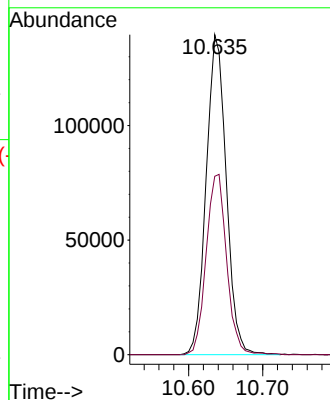
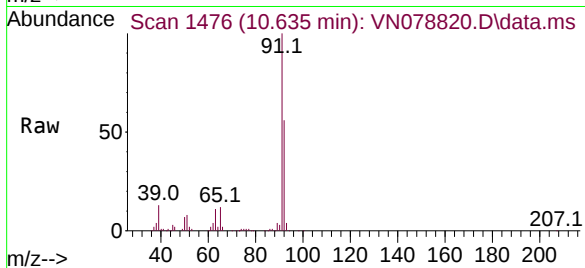
002-35TH-AVE(JUNE)DL

Tgt Ion: 91 Resp: 262583

Ion Ratio Lower Upper

91 100

92 57.3 45.2 67.8



#63

Toluene-d8

Concen: 29.675 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.006 min

Lab File: VN078820.D

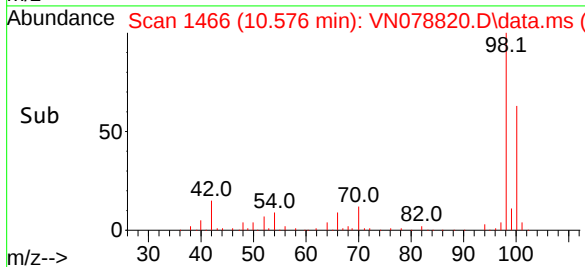
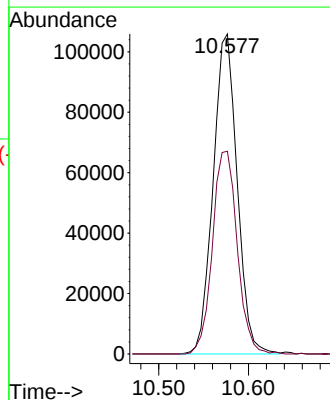
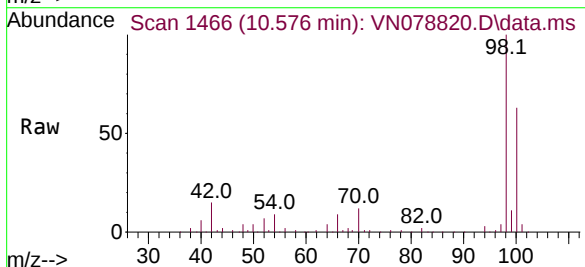
Acq: 09 Aug 2023 15:08

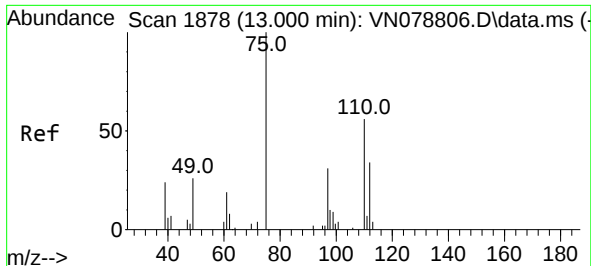
Tgt Ion: 98 Resp: 197043

Ion Ratio Lower Upper

98 100

100 65.2 49.7 74.5

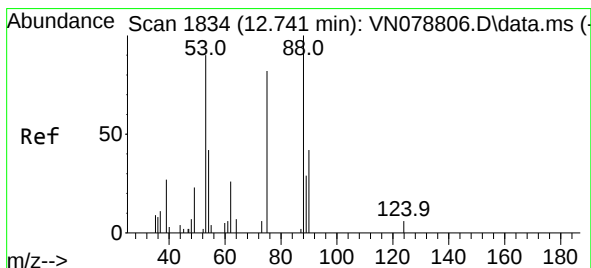
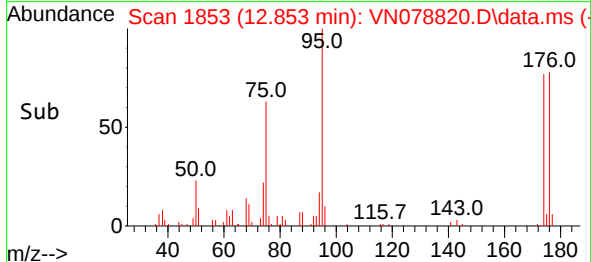
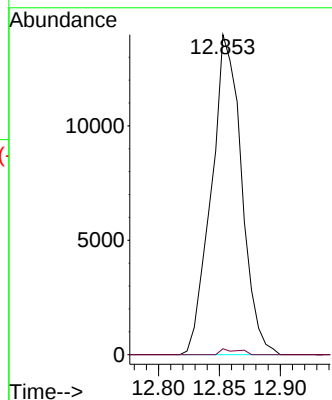
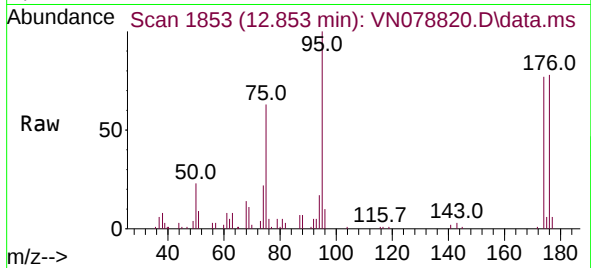




#72
1,2,3-Trichloropropane
Concen: 10.934 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

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

Tgt Ion: 75 Resp: 24157
Ion Ratio Lower Upper
75 100
77 0.6 0.0 387.4



#77
t-1,4-Dichloro-2-butene
Concen: 34.835 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078820.D
Acq: 09 Aug 2023 15:08

Tgt Ion: 75 Resp: 24157
Ion Ratio Lower Upper
75 100
53 0.0 41.6 124.9#
89 0.0 25.1 75.4#

