

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
 Data File : VN082111.D
 Acq On : 13 May 2024 21:08
 Operator : JC\MD
 Sample : P2464-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: May 14 03:37:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

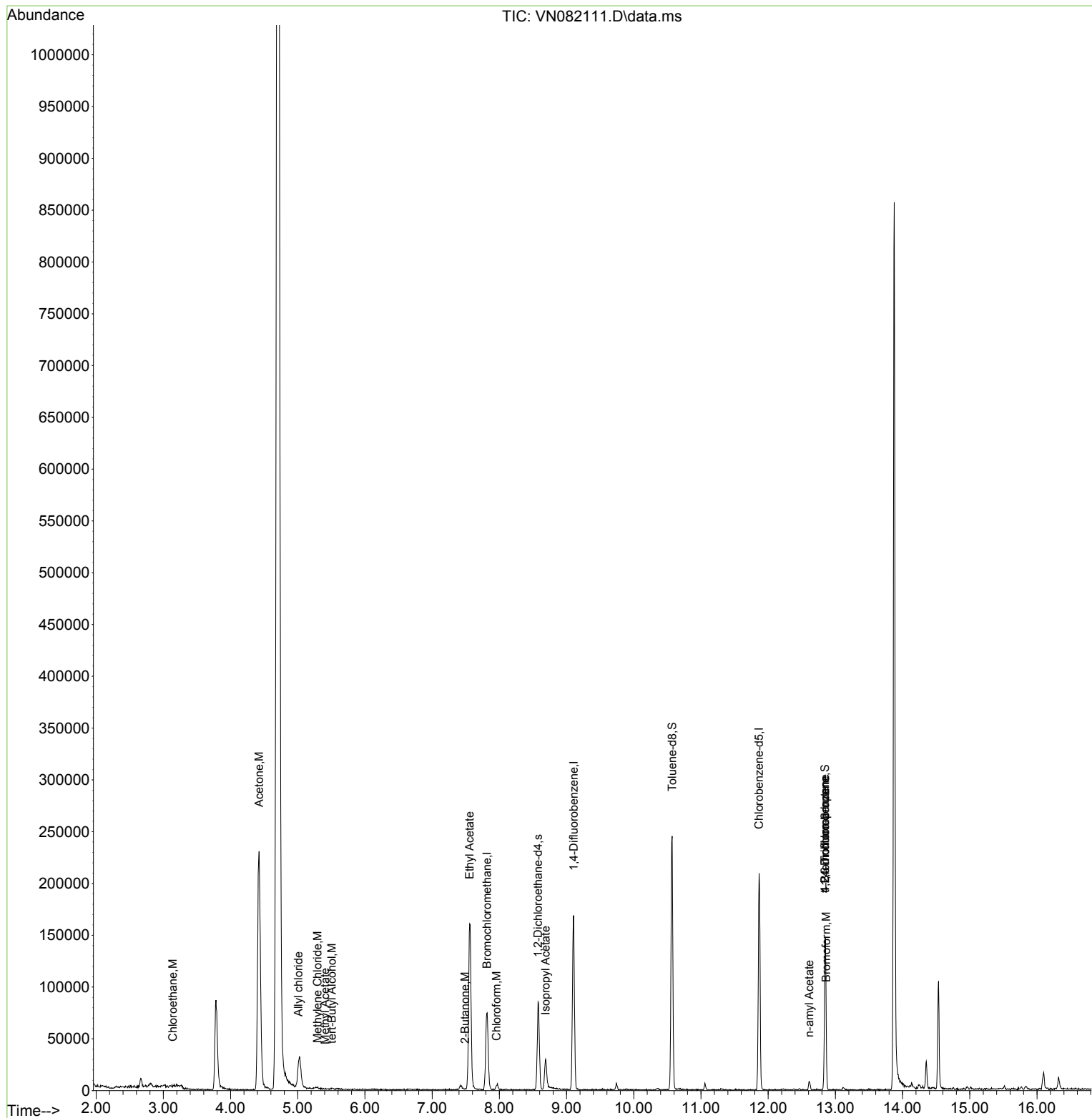
Internal Standards						
1) Bromochloromethane	7.818	128	23195	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	132044	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	110133	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	65022	33.482	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.600%#
60) 4-Bromofluorobenzene	12.847	95	51022	27.837	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.800%
63) Toluene-d8	10.571	98	161335	30.847	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.833%
Target Compounds						
					Qvalue	
6) Chloroethane	3.142	64	364	0.446	ug/l #	41
12) Methyl Acetate	5.406	43	583	0.329	ug/l	100
15) Acetone	4.424	58	132207	729.277	ug/l	80
17) Allyl chloride	5.012	41	676	0.272	ug/l #	51
18) Methylene Chloride	5.294	84	671	0.417	ug/l #	43
23) tert-Butyl Alcohol	5.506	59	316	0.948	ug/l #	100
25) Chloroform	7.959	83	2482	0.886	ug/l #	79
30) 2-Butanone	7.488	43	522	0.515	ug/l #	52
43) Ethyl Acetate	7.559	43	252774	114.410	ug/l	98
44) Isopropyl Acetate	8.688	43	35420	9.030	ug/l #	76
47) n-amyl Acetate	12.612	43	2208	0.624	ug/l	96
56) Bromoform	12.865	173	227	0.244	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30551	17.945	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30551	40.317	ug/l #	12

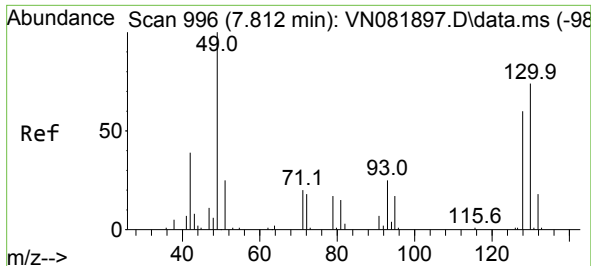
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051324\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
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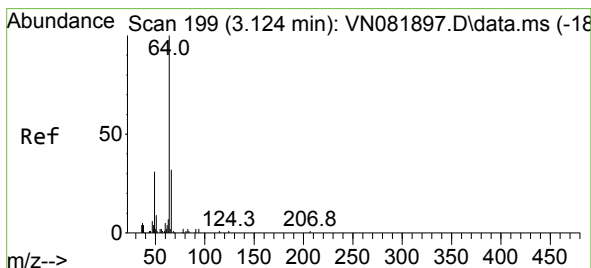
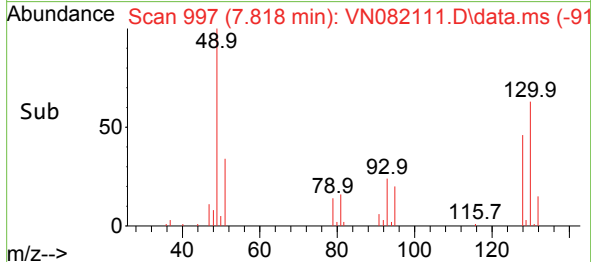
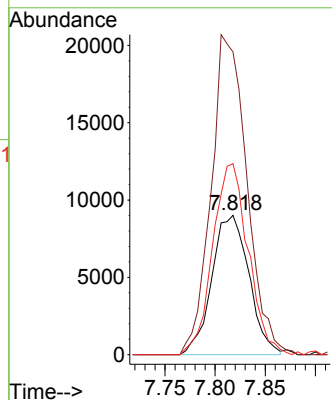
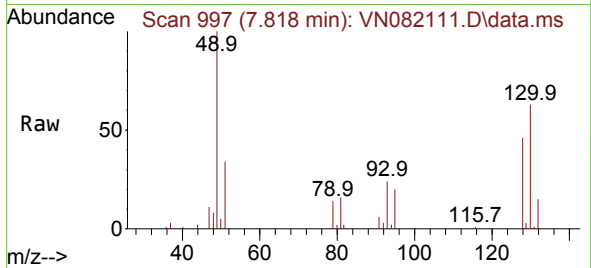




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

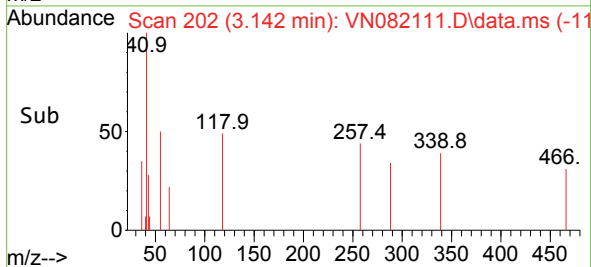
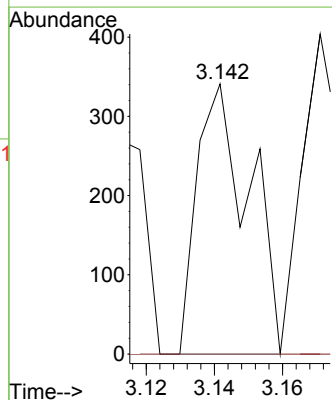
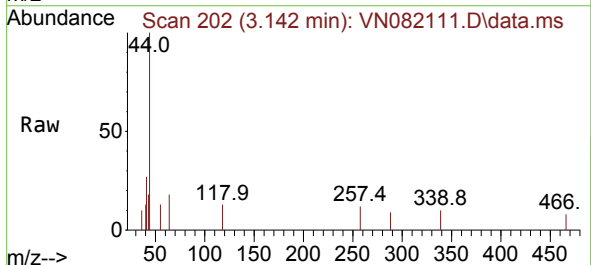
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

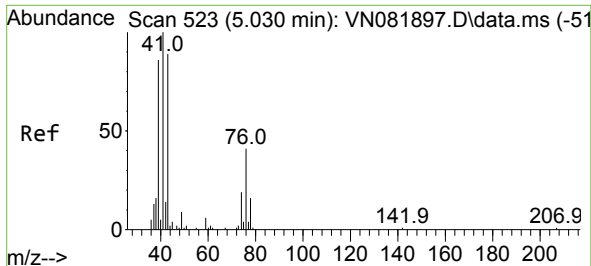
Tgt Ion:128 Resp: 23195
Ion Ratio Lower Upper
128 100
49 221.2 0.0 403.7
130 131.2 0.0 323.3



#6
Chloroethane
Concen: 0.446 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.017 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion: 64 Resp: 364
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#12

Methyl Acetate

Concen: 0.329 ug/l

RT: 5.406 min Scan# 5

Delta R.T. 0.376 min

Lab File: VN082111.D

Acq: 13 May 2024 21:08

Instrument :

MSVOA_N

ClientSampleId :

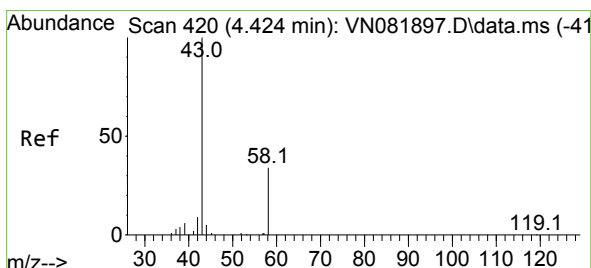
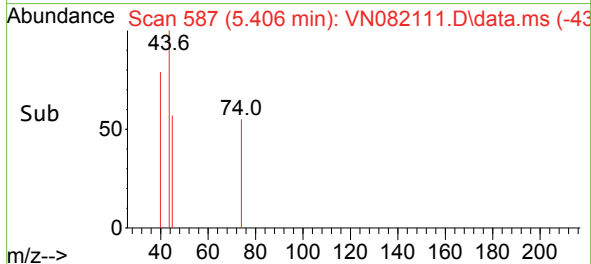
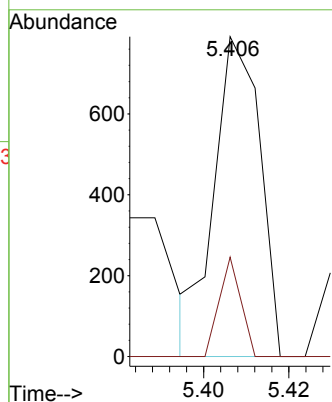
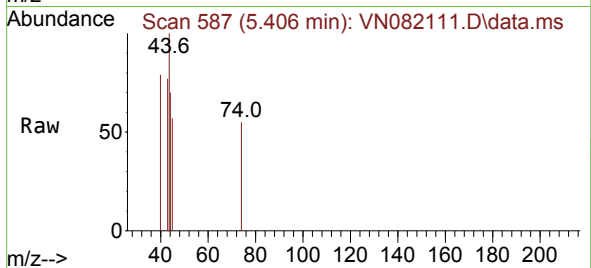
EFF-WW

Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

74 34.5 27.7 41.5



#15

Acetone

Concen: 729.277 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN082111.D

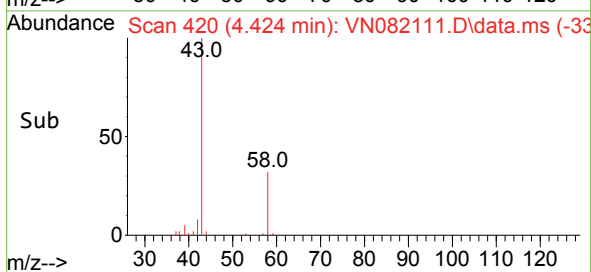
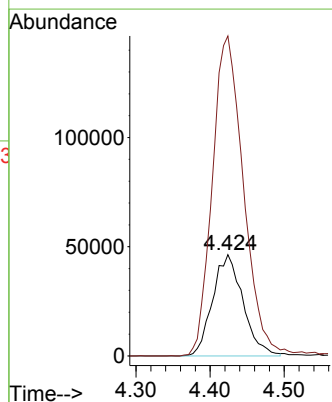
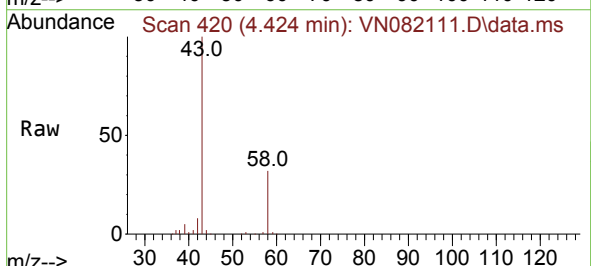
Acq: 13 May 2024 21:08

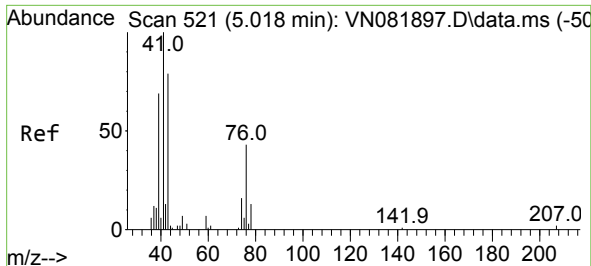
Tgt Ion: 58 Resp: 132207

Ion Ratio Lower Upper

58 100

43 315.9 223.1 334.7





#17

Allyl chloride

Concen: 0.272 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN082111.D

Acq: 13 May 2024 21:08

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

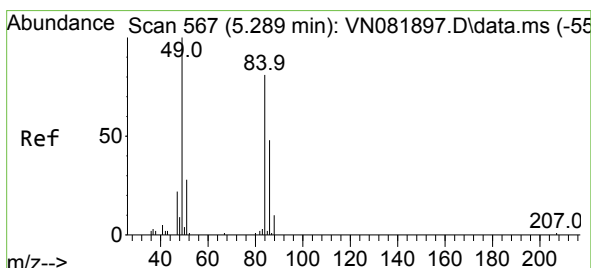
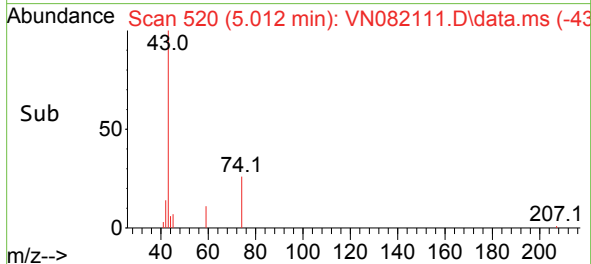
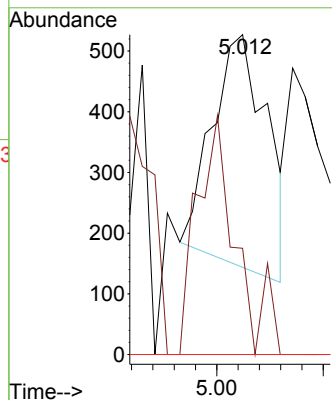
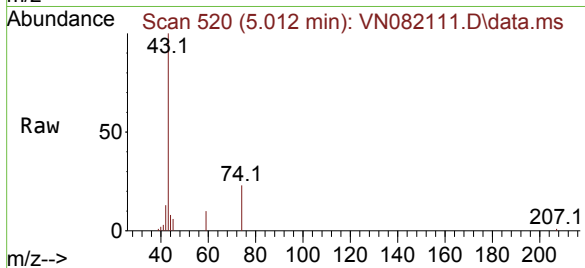
Tgt Ion: 41 Resp: 676

Ion Ratio Lower Upper

41 100

39 51.2 37.6 112.9

76 0.0 27.8 83.4#



#18

Methylene Chloride

Concen: 0.417 ug/l

RT: 5.294 min Scan# 568

Delta R.T. 0.006 min

Lab File: VN082111.D

Acq: 13 May 2024 21:08

Tgt Ion: 84 Resp: 671

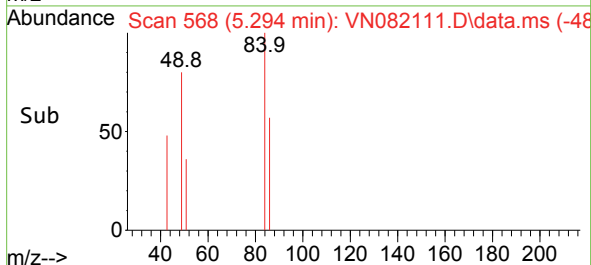
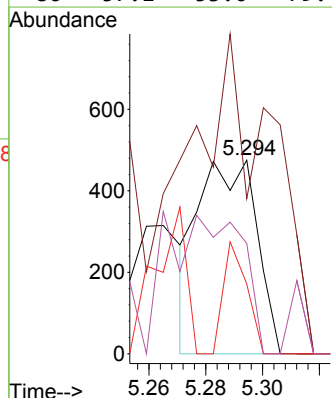
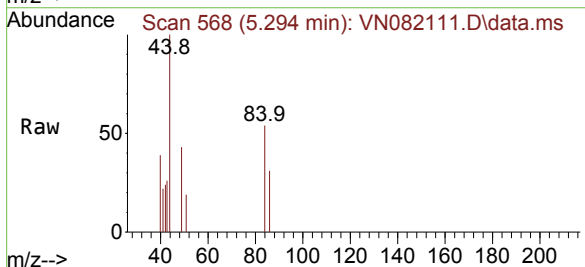
Ion Ratio Lower Upper

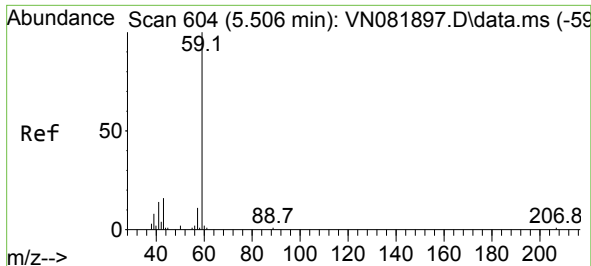
84 100

49 0.0 86.0 129.0#

51 36.0 30.0 45.0

86 57.1 53.0 79.4

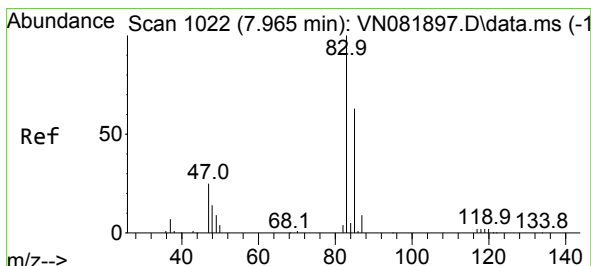
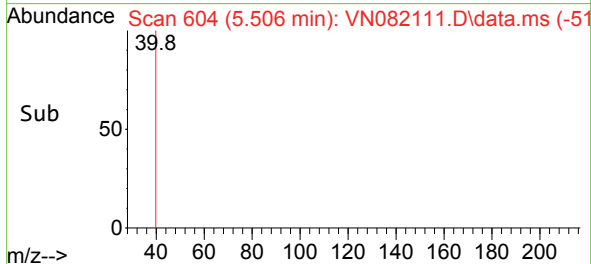
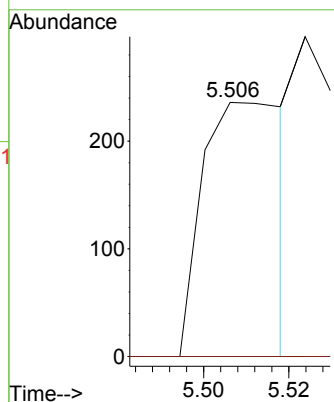
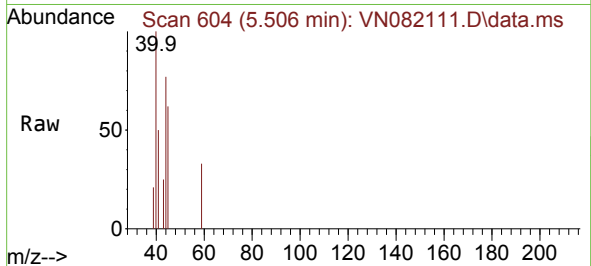




#23
tert-Butyl Alcohol
Concen: 0.948 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.000 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

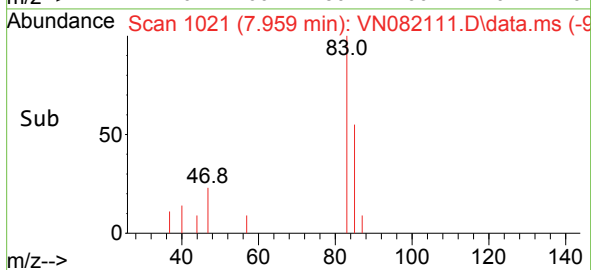
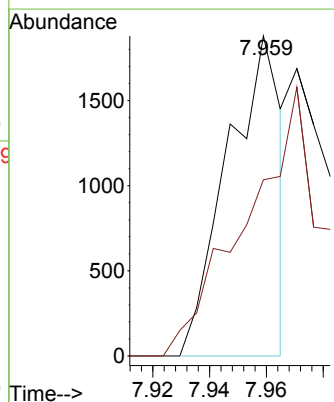
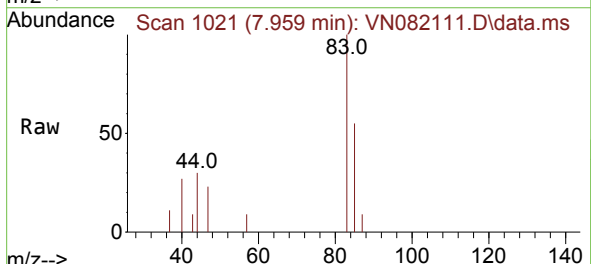
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MSVOA_N
ClientSampleId :
EFF-WW

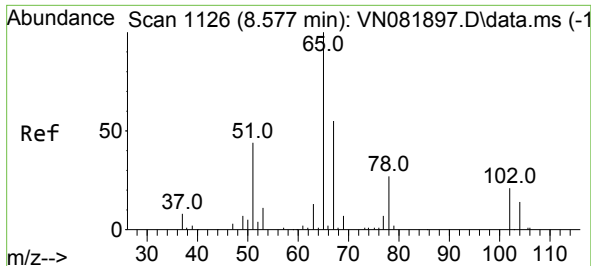
Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 0.886 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion: 83 Resp: 2482
Ion Ratio Lower Upper
83 100
85 47.0 50.9 76.3#

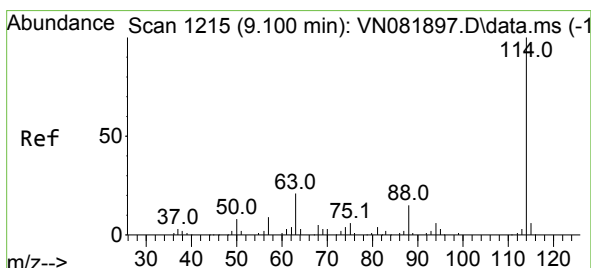
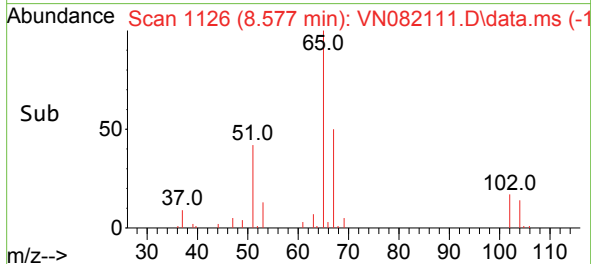
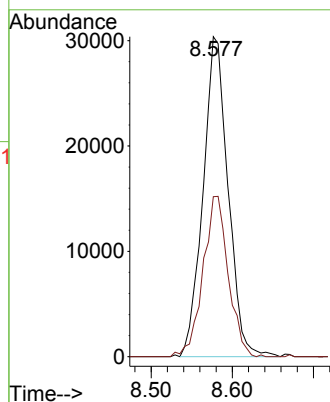
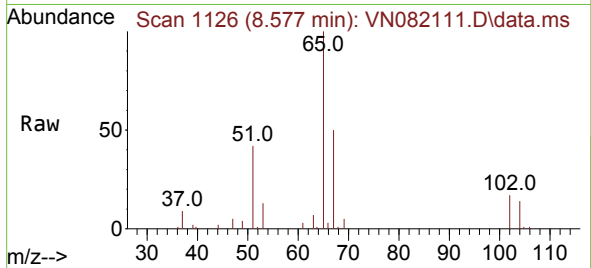




#27
1,2-Dichloroethane-d4
Concen: 33.482 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

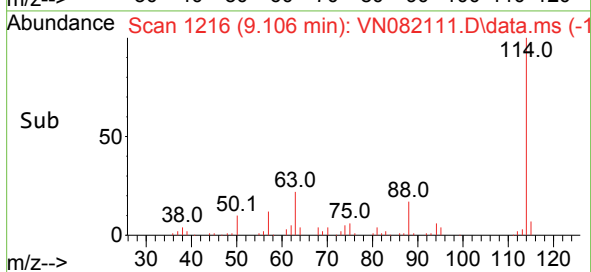
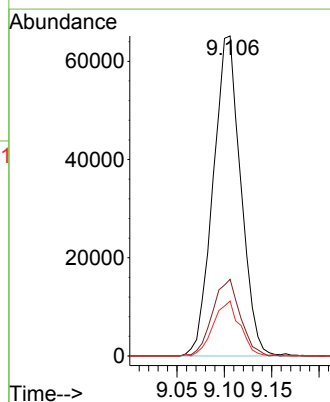
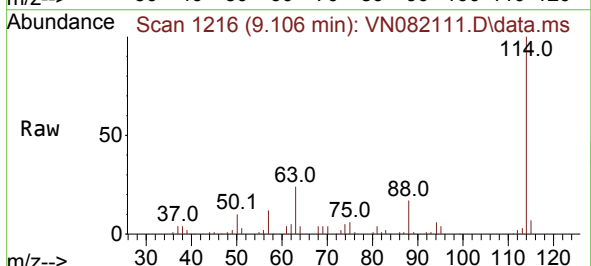
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

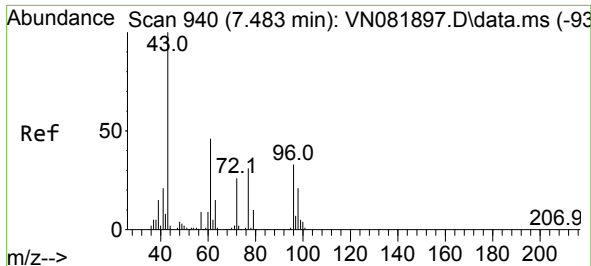
Tgt Ion: 65 Resp: 65022
Ion Ratio Lower Upper
65 100
67 50.4 43.2 64.8



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.006 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

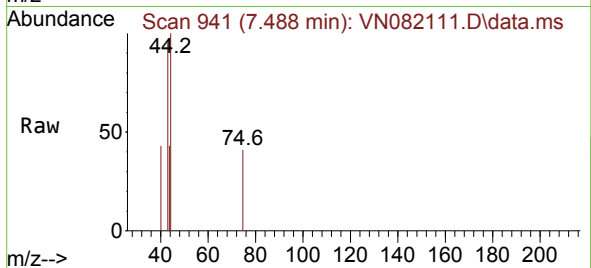
Tgt Ion: 114 Resp: 132044
Ion Ratio Lower Upper
114 100
63 24.1 15.9 23.9#
88 16.5 12.7 19.1



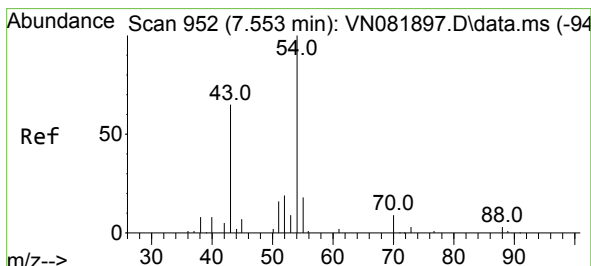
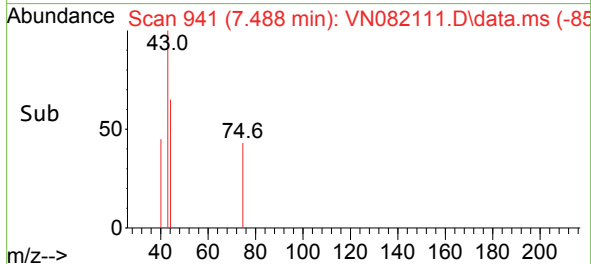
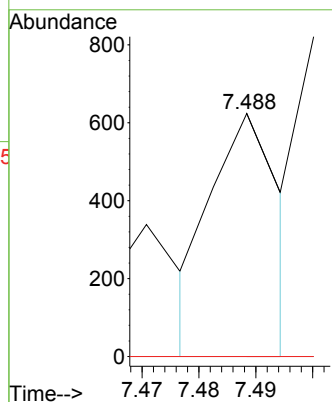


#30
2-Butanone
Concen: 0.515 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

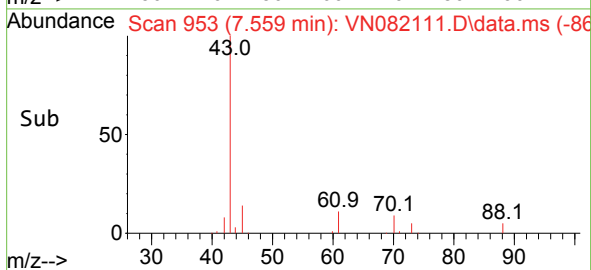
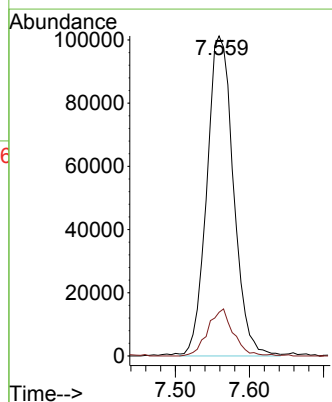
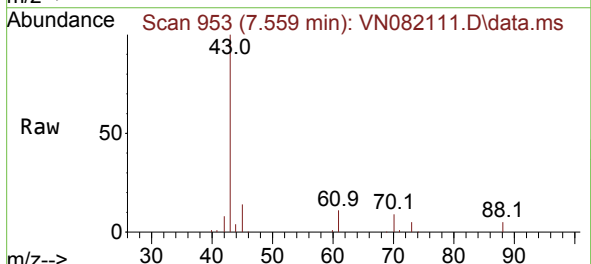


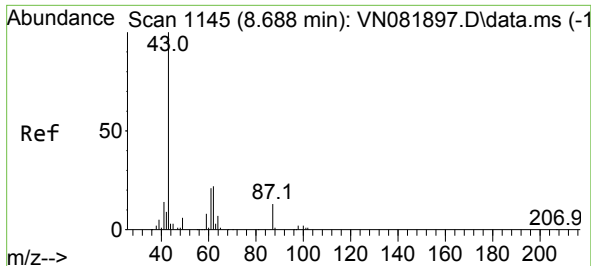
Tgt Ion: 43 Resp: 522
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 0.0 24.0 36.0#



#43
Ethyl Acetate
Concen: 114.410 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion: 43 Resp: 252774
Ion Ratio Lower Upper
43 100
45 13.9 10.6 15.8

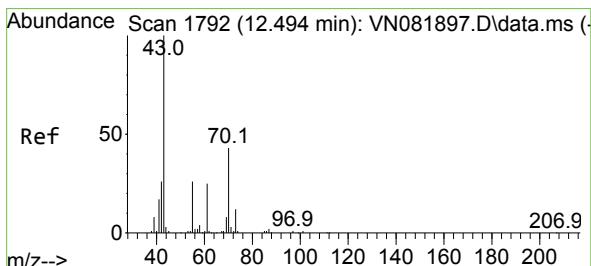
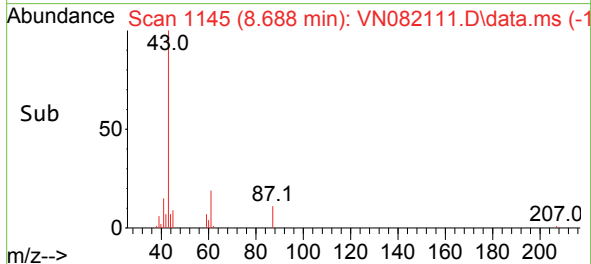
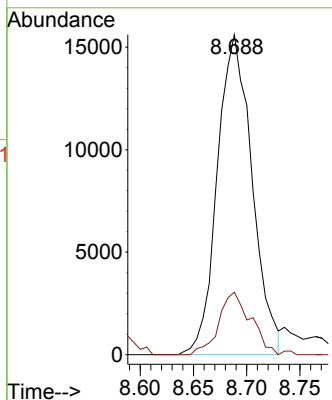
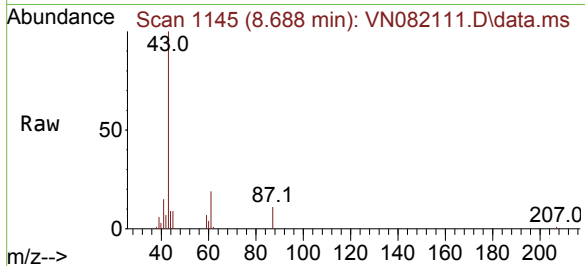




#44
Isopropyl Acetate
Concen: 9.030 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

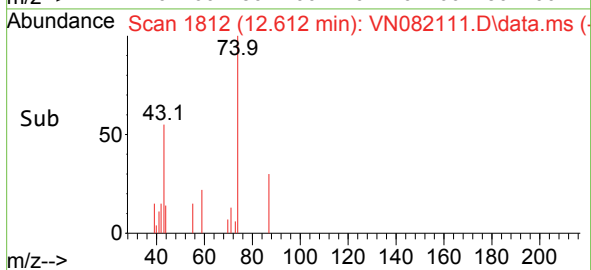
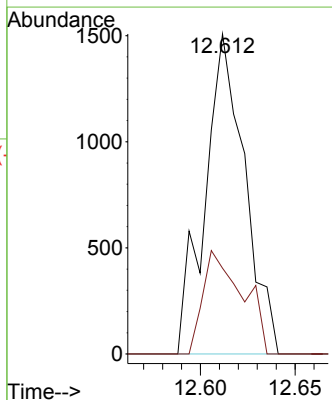
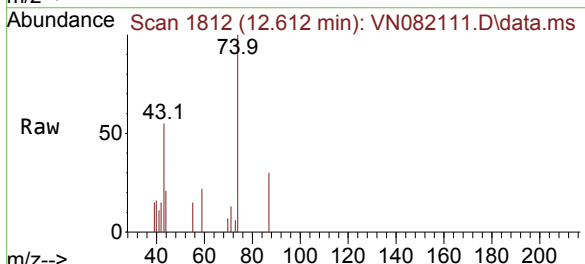
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

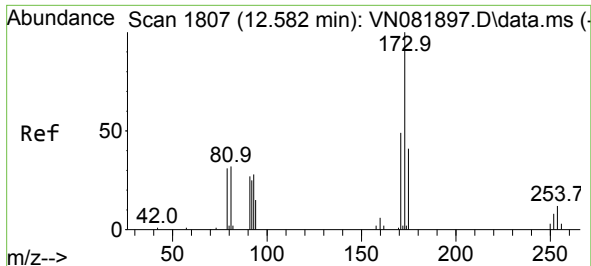
Tgt Ion: 43 Resp: 35420
Ion Ratio Lower Upper
43 100
61 18.0 25.0 37.4#



#47
n-amy1 Acetate
Concen: 0.624 ug/l
RT: 12.612 min Scan# 1812
Delta R.T. 0.117 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
55 26.9 23.4 35.2

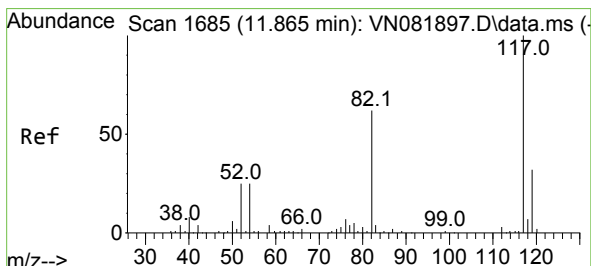
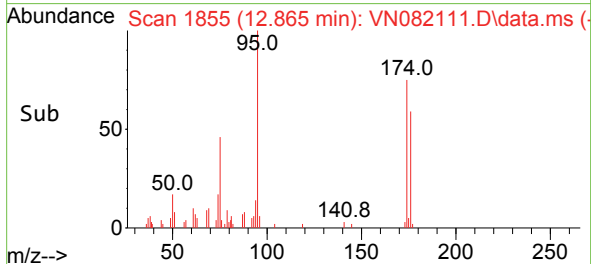
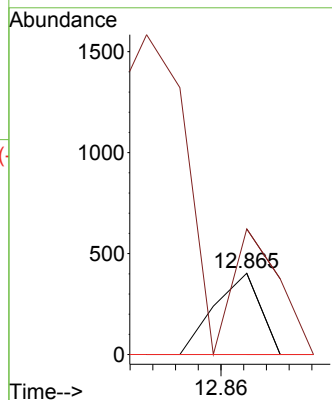
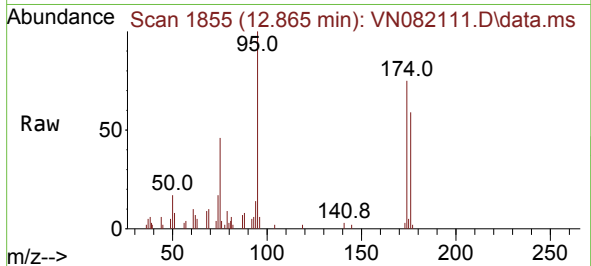




#56
Bromoform
Concen: 0.244 ug/l
RT: 12.865 min Scan# 1855
Delta R.T. 0.282 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

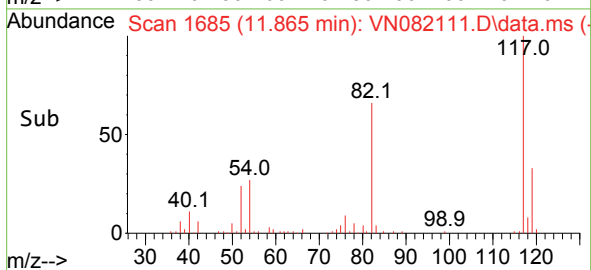
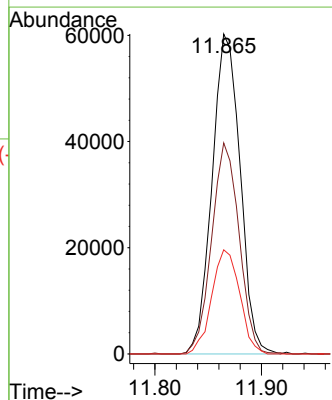
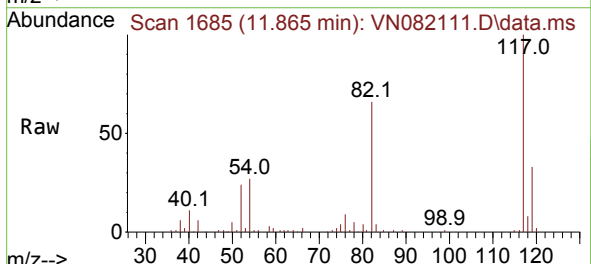
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

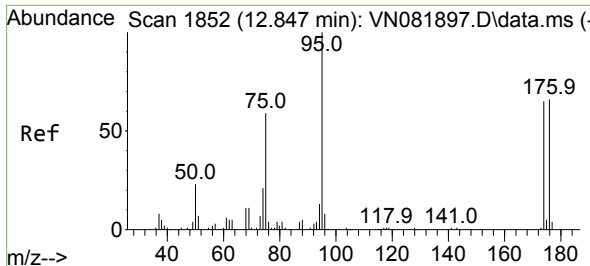
Tgt Ion:173 Resp: 227
Ion Ratio Lower Upper
173 100
175 155.1 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion:117 Resp: 110133
Ion Ratio Lower Upper
117 100
82 64.6 46.6 69.8
119 32.5 25.4 38.2

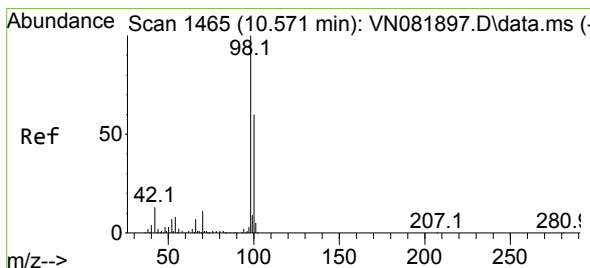
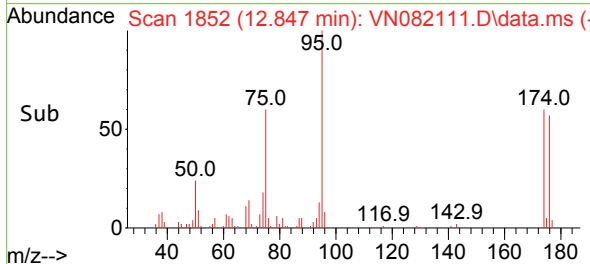
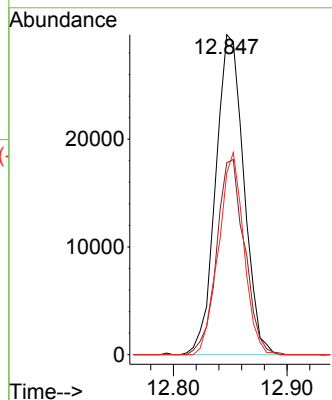
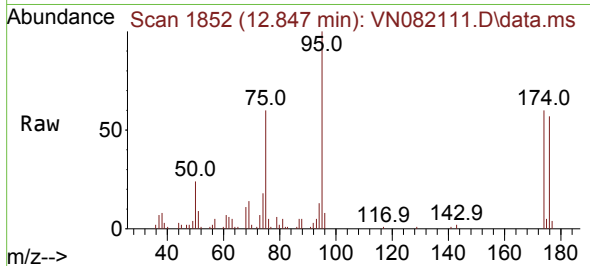




#60
4-Bromofluorobenzene
Concen: 27.837 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

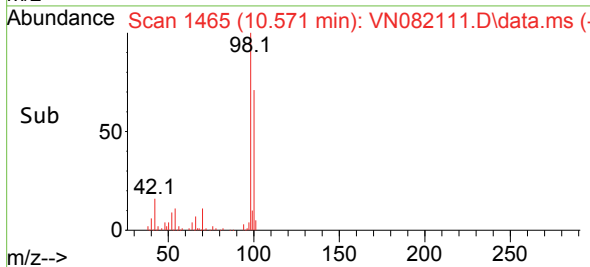
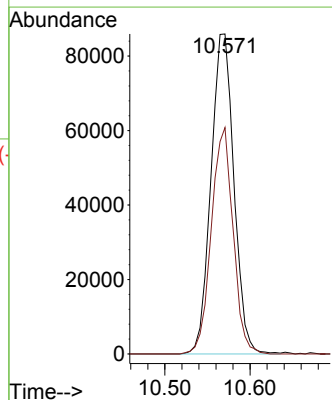
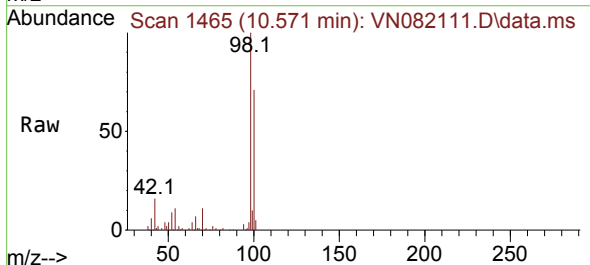
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

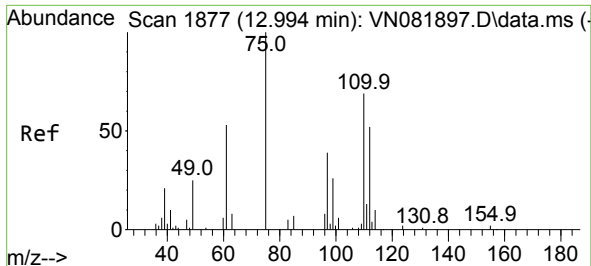
Tgt Ion: 95 Resp: 51022
Ion Ratio Lower Upper
95 100
174 60.5 60.5 90.7
176 56.7 57.8 86.6#



#63
Toluene-d8
Concen: 30.847 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion: 98 Resp: 161335
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1

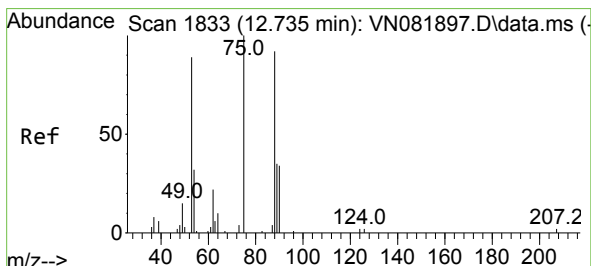
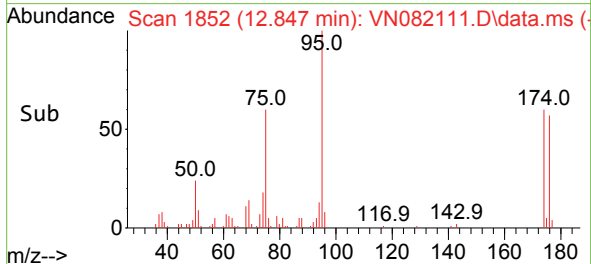
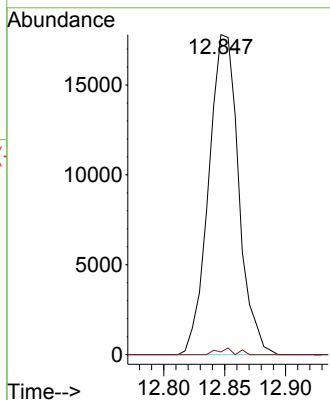
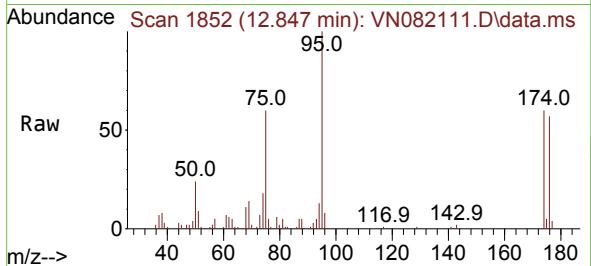




#72
1,2,3-Trichloropropane
Concen: 17.945 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 75 Resp: 30551
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 40.317 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN082111.D
Acq: 13 May 2024 21:08

Tgt Ion: 75 Resp: 30551
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

