

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
 Data File : VN083876.D
 Acq On : 13 Sep 2024 17:43
 Operator : JC\MD
 Sample : P3956-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Sep 13 23:54:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

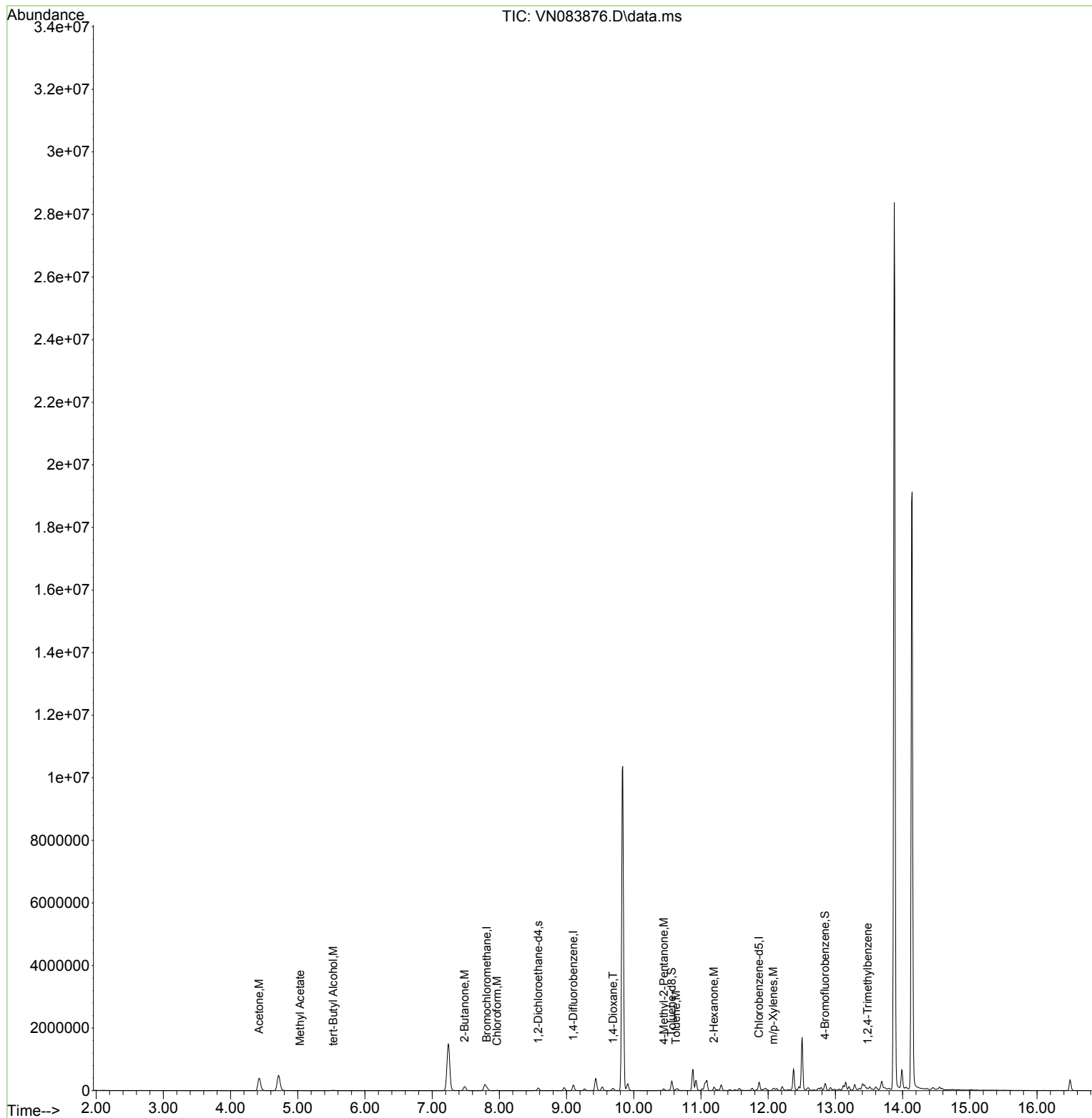
Internal Standards						
1) Bromochloromethane	7.812	128	26042	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	145182	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	136130	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	72272	30.361	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.200%			
60) 4-Bromofluorobenzene	12.847	95	69781	29.742	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.133%			
63) Toluene-d8	10.565	98	185002	29.350	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 97.833%			
Target Compounds						
					Qvalue	
12) Methyl Acetate	5.036	43	6729	3.447	ug/l #	81
15) Acetone	4.424	58	215718	823.231	ug/l #	59
23) tert-Butyl Alcohol	5.530	59	24808	85.582	ug/l #	100
25) Chloroform	7.965	83	10982	3.166	ug/l	98
30) 2-Butanone	7.483	43	216020	199.004	ug/l	93
45) 1,4-Dioxane	9.694	88	53778	1824.550	ug/l #	96
58) 4-Methyl-2-Pentanone	10.447	43	38746	17.950	ug/l #	88
59) 2-Hexanone	11.194	43	73206	44.884	ug/l #	85
62) Toluene	10.629	91	28110	3.593	ug/l	98
67) m/p-Xylenes	12.076	106	14806	4.523	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	9111	1.291	ug/l	96

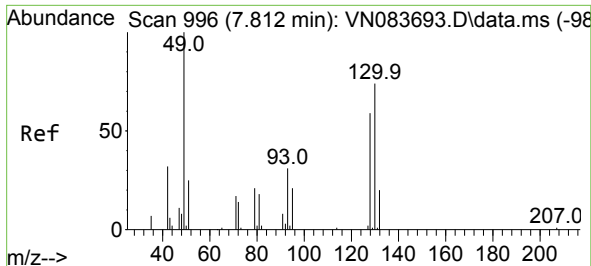
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091324\
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Sample : P3956-01 5X
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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Quant Time: Sep 13 23:54:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration

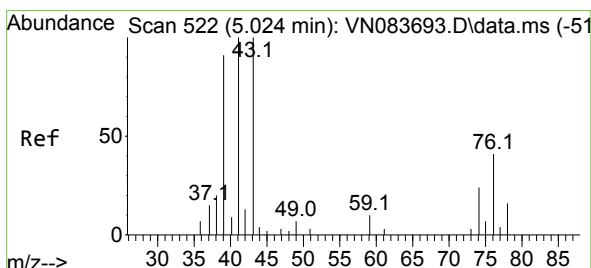
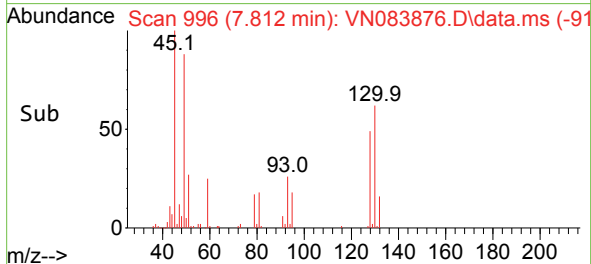
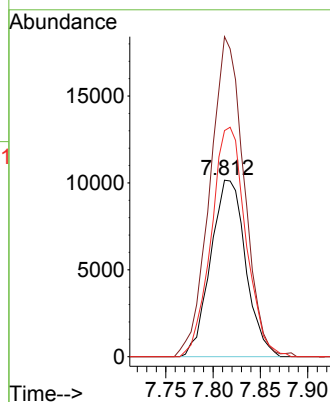
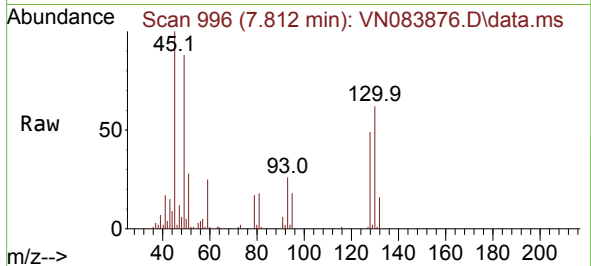




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

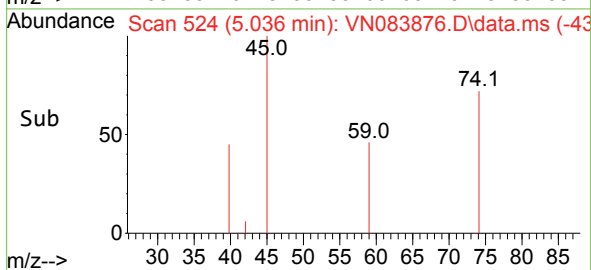
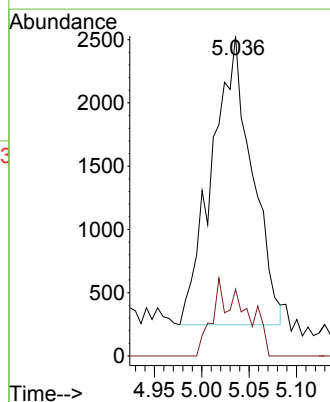
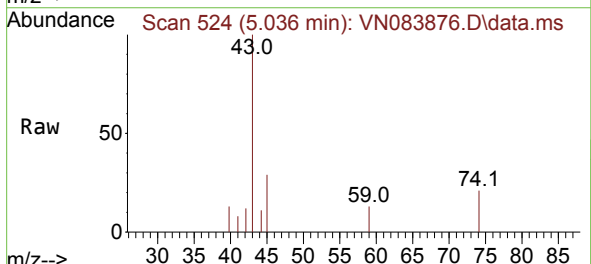
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

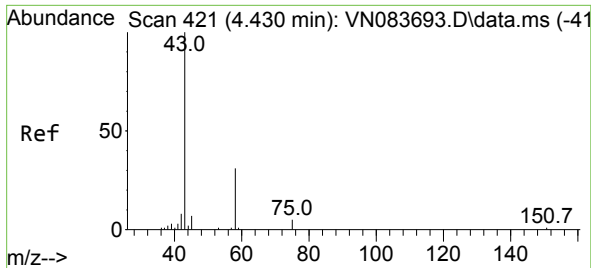
Tgt Ion:128 Resp: 26042
Ion Ratio Lower Upper
128 100
49 176.5 0.0 403.7
130 128.6 0.0 323.3



#12
Methyl Acetate
Concen: 3.447 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion: 43 Resp: 6729
Ion Ratio Lower Upper
43 100
74 23.9 27.7 41.5#

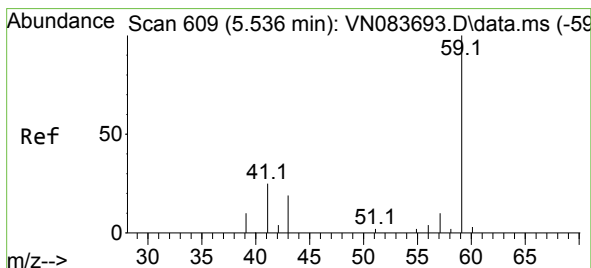
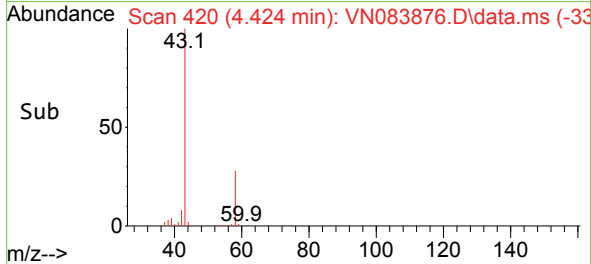
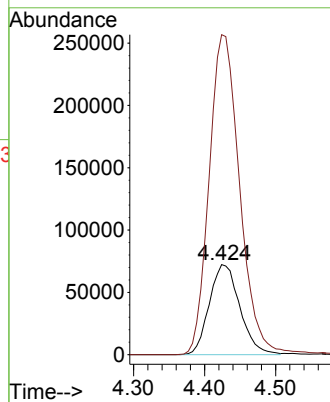
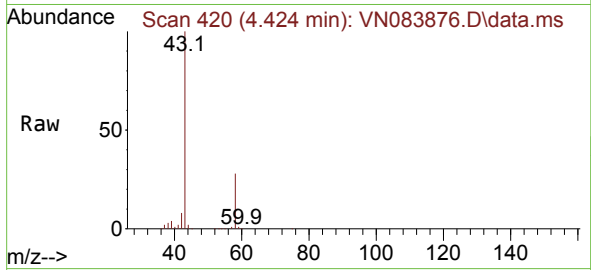




#15
Acetone
Concen: 823.231 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

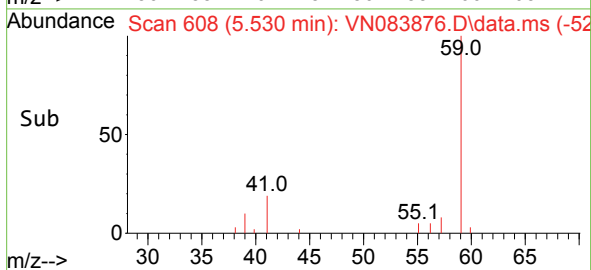
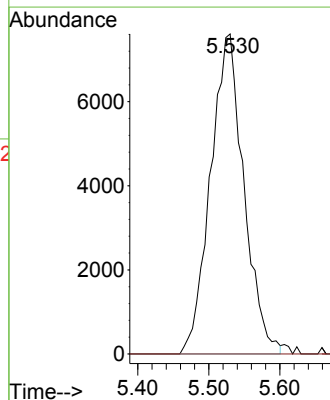
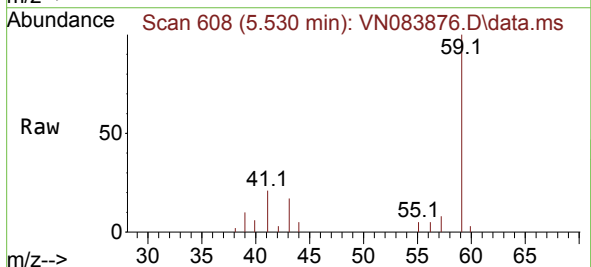
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

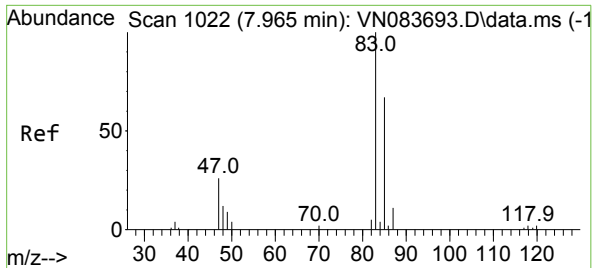
Tgt Ion: 58 Resp: 215718
Ion Ratio Lower Upper
58 100
43 354.9 223.1 334.7#



#23
tert-Butyl Alcohol
Concen: 85.582 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion: 59 Resp: 24808
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#25

Chloroform

Concen: 3.166 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN083876.D

Acq: 13 Sep 2024 17:43

Instrument :

MSVOA_N

ClientSampleId :

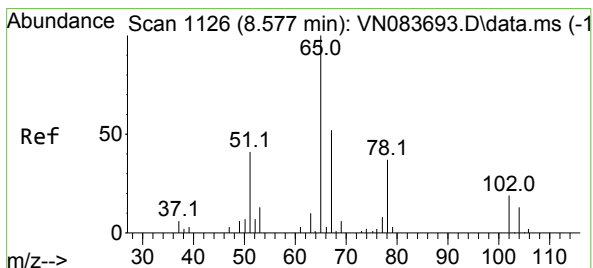
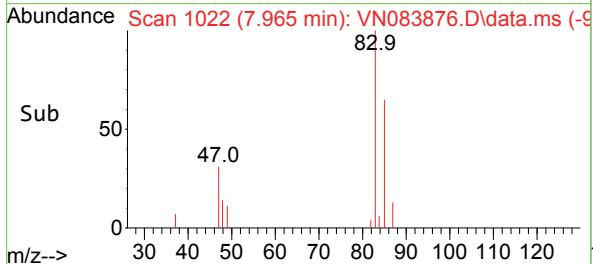
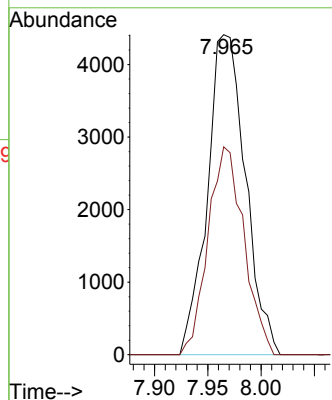
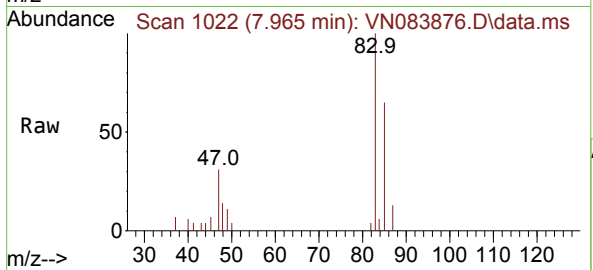
EFF-WW

Tgt Ion: 83 Resp: 10982

Ion Ratio Lower Upper

83 100

85 65.0 50.9 76.3



#27

1,2-Dichloroethane-d4

Concen: 30.361 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083876.D

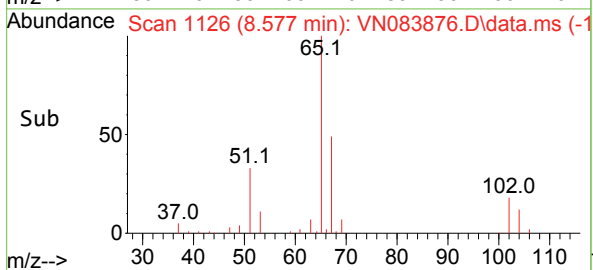
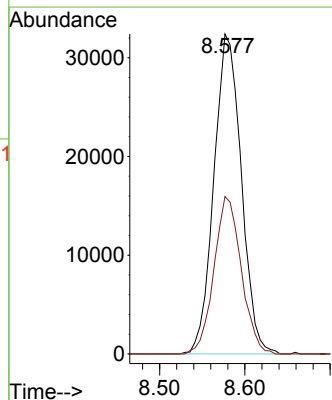
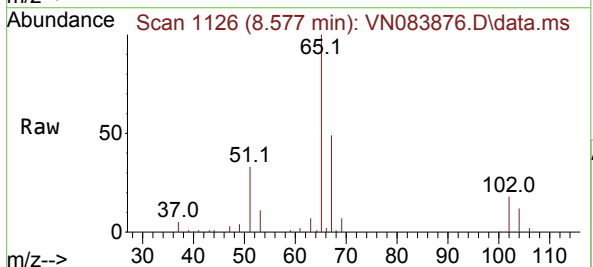
Acq: 13 Sep 2024 17:43

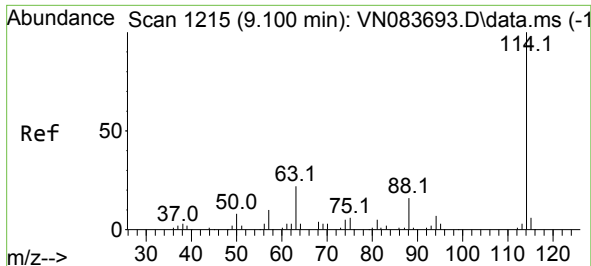
Tgt Ion: 65 Resp: 72272

Ion Ratio Lower Upper

65 100

67 49.0 43.2 64.8

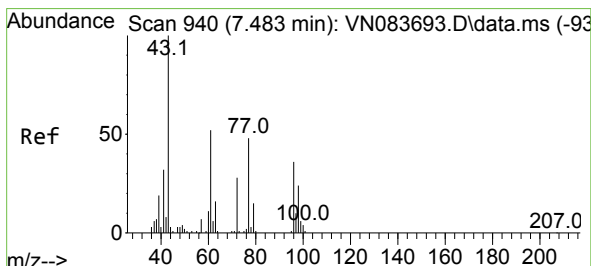
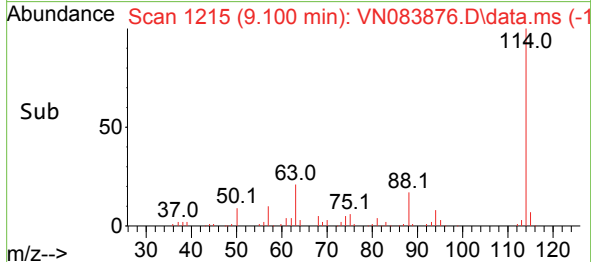
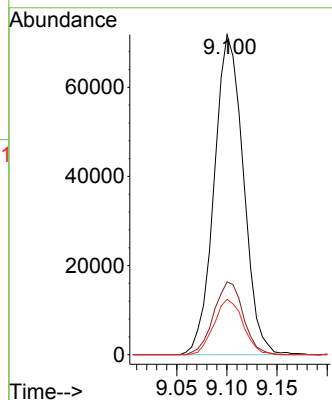
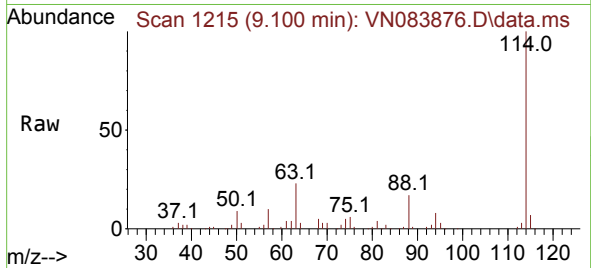




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

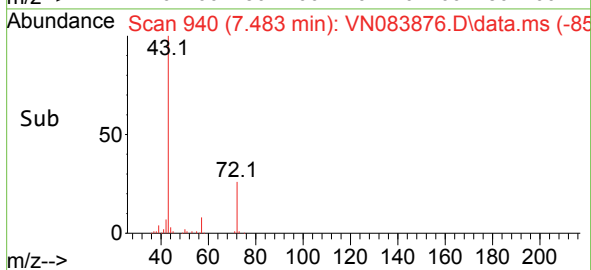
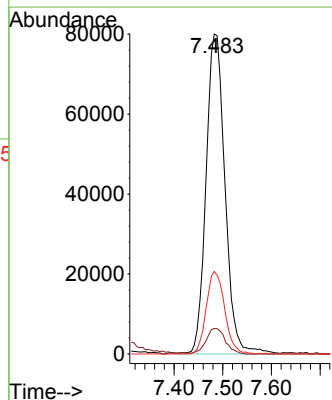
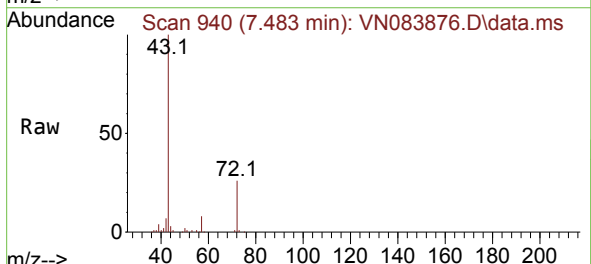
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

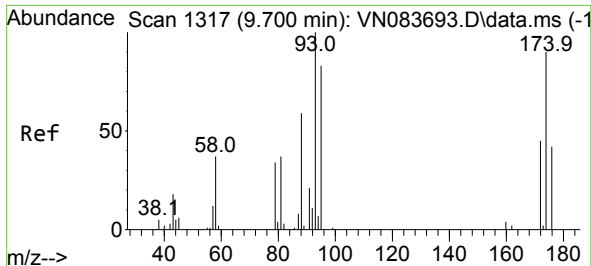
Tgt Ion:114 Resp: 145182
Ion Ratio Lower Upper
114 100
63 23.0 15.9 23.9
88 17.2 12.7 19.1



#30
2-Butanone
Concen: 199.004 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion: 43 Resp: 216020
Ion Ratio Lower Upper
43 100
57 8.1 6.7 10.1
72 25.1 24.0 36.0

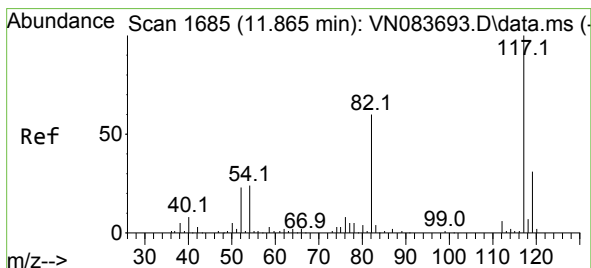
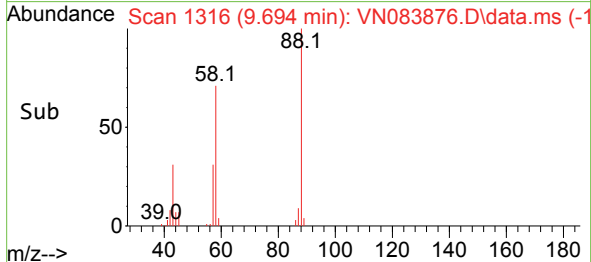
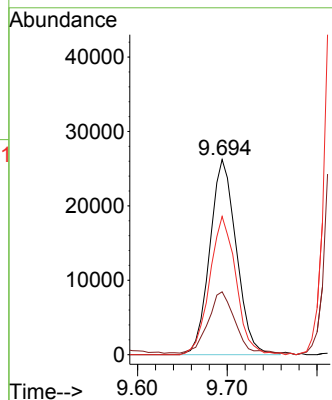
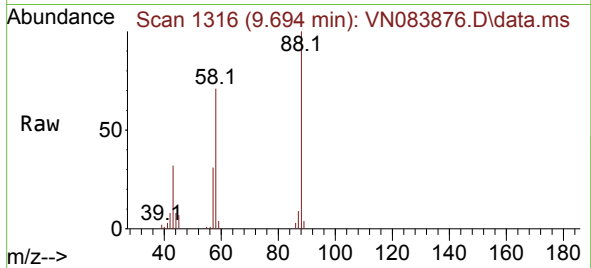




#45
1,4-Dioxane
Concen: 1824.550 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

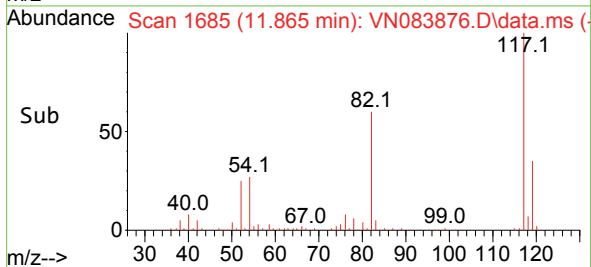
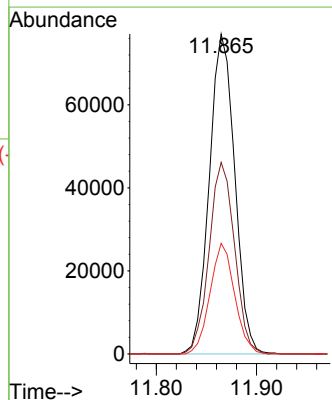
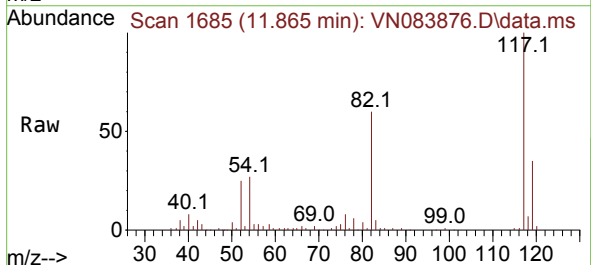
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

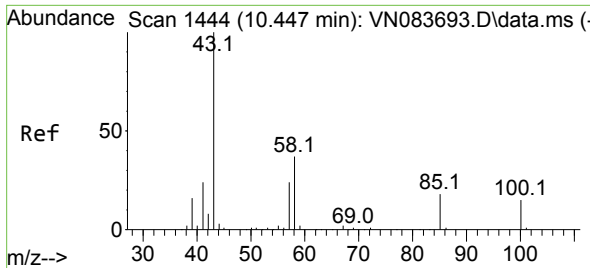
Tgt Ion: 88 Resp: 53778
Ion Ratio Lower Upper
88 100
43 30.5 19.8 29.6#
58 70.5 55.4 83.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion: 117 Resp: 136130
Ion Ratio Lower Upper
117 100
82 59.9 46.6 69.8
119 33.4 25.4 38.2

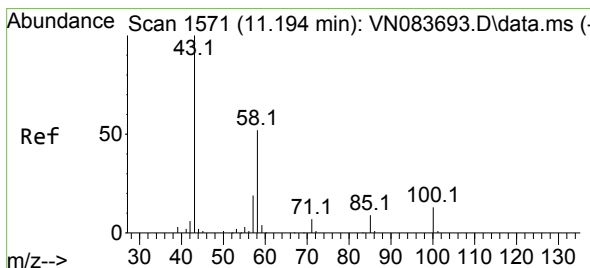
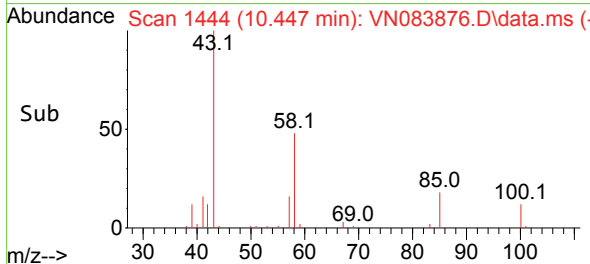
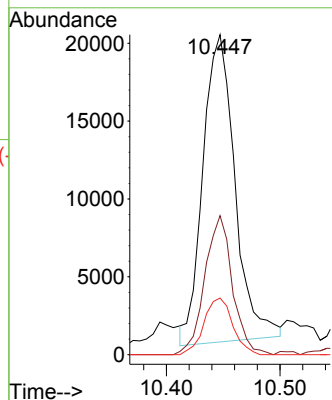
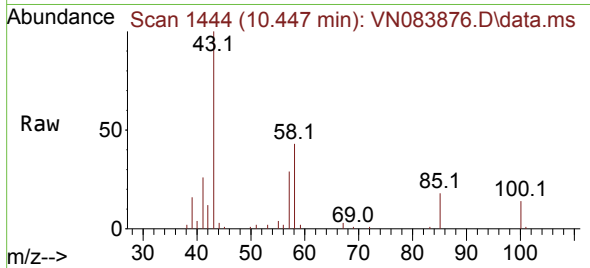




#58
4-Methyl-2-Pentanone
Concen: 17.950 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

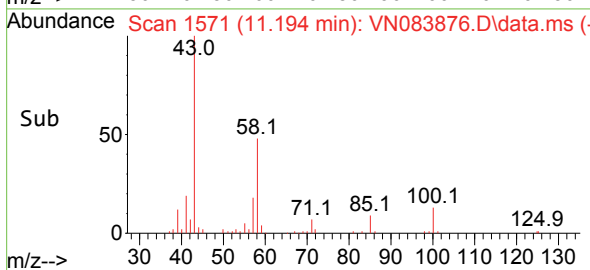
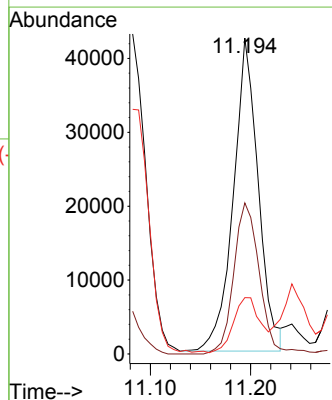
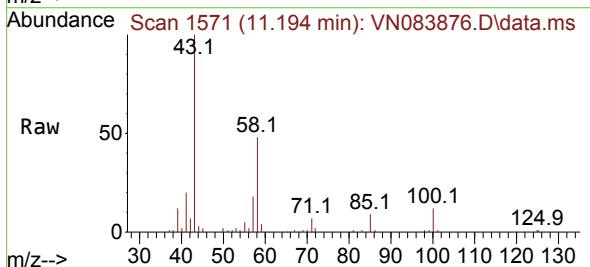
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EFF-WW

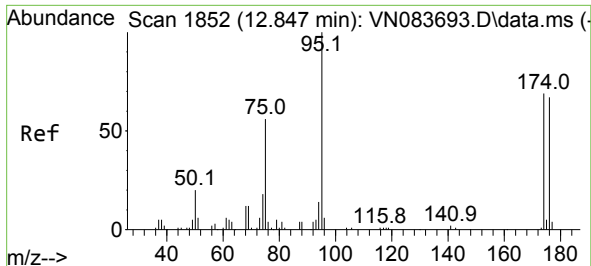
Tgt Ion: 43 Resp: 38746
Ion Ratio Lower Upper
43 100
58 39.0 36.5 54.7
85 16.5 19.5 29.3#



#59
2-Hexanone
Concen: 44.884 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion: 43 Resp: 73206
Ion Ratio Lower Upper
43 100
58 49.8 50.4 75.6#
57 19.0 18.6 27.8

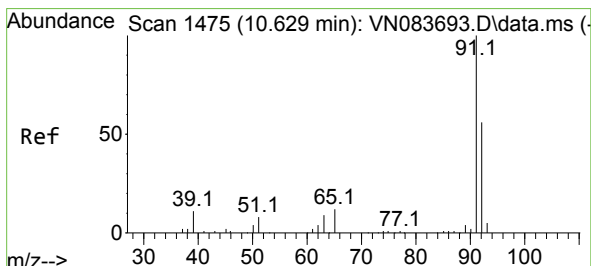
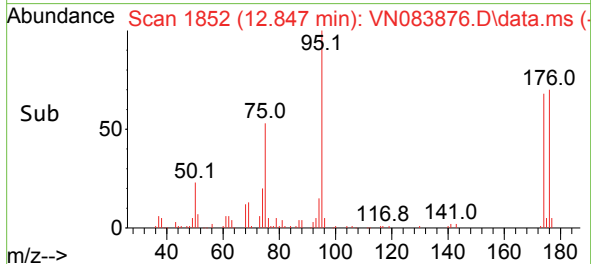
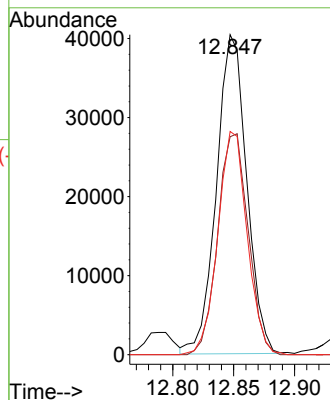
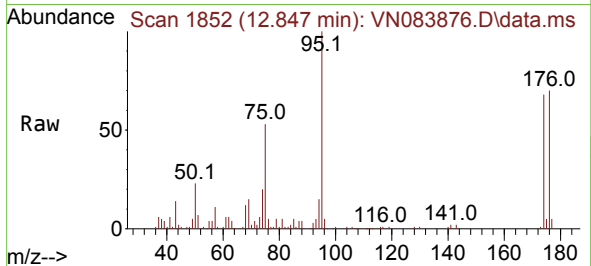




#60
4-Bromofluorobenzene
Concen: 29.742 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

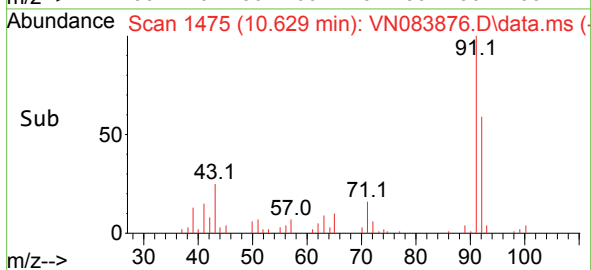
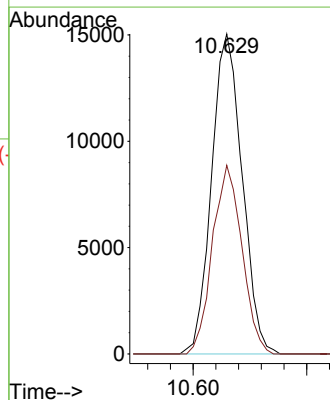
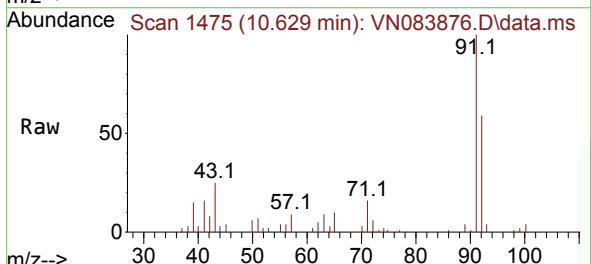
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

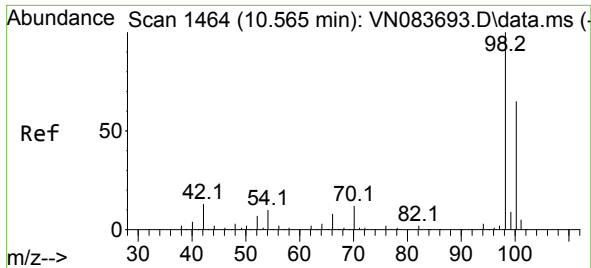
Tgt Ion: 95 Resp: 69781
Ion Ratio Lower Upper
95 100
174 69.7 60.5 90.7
176 67.9 57.8 86.6



#62
Toluene
Concen: 3.593 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion: 91 Resp: 28110
Ion Ratio Lower Upper
91 100
92 56.9 46.5 69.7

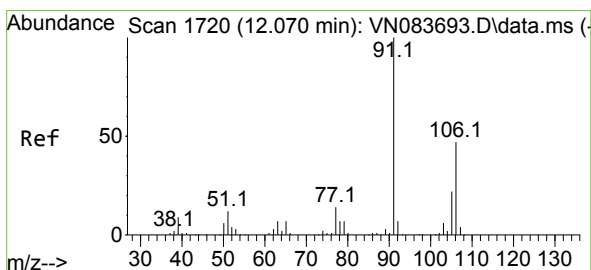
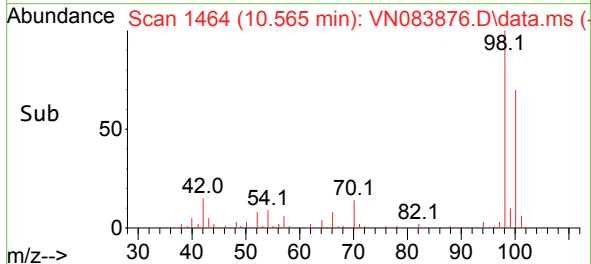
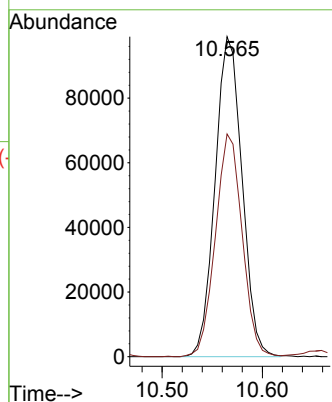
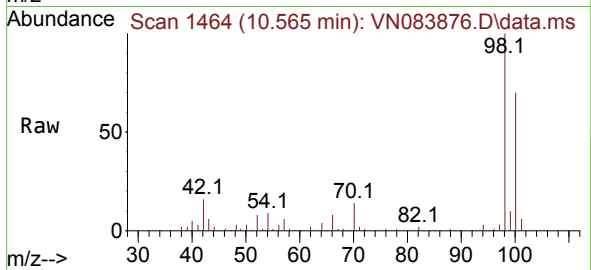




#63
Toluene-d8
Concen: 29.350 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

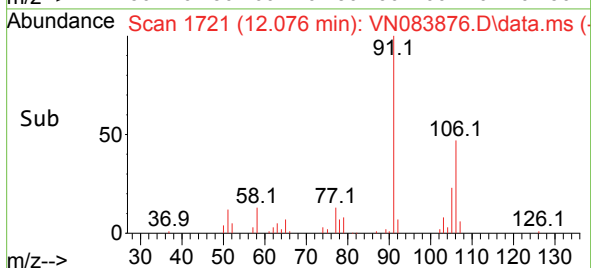
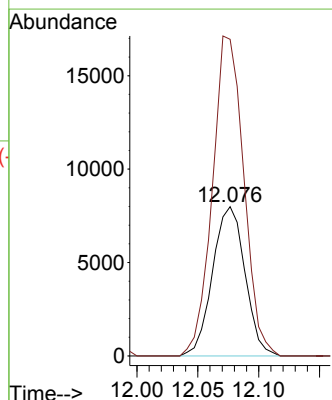
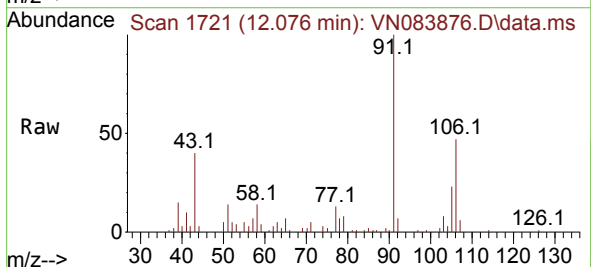
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

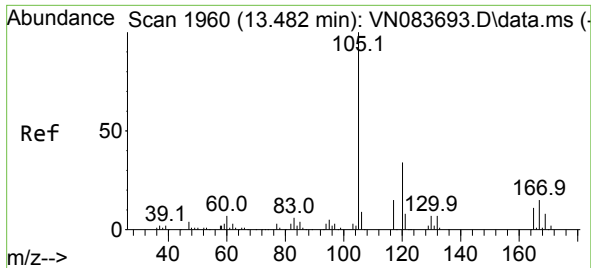
Tgt Ion: 98 Resp: 185002
Ion Ratio Lower Upper
98 100
100 69.0 52.7 79.1



#67
m/p-Xylenes
Concen: 4.523 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Tgt Ion:106 Resp: 14806
Ion Ratio Lower Upper
106 100
91 207.4 166.6 249.8





#80
1,2,4-Trimethylbenzene
Concen: 1.291 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN083876.D
Acq: 13 Sep 2024 17:43

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion:105 Resp: 9111
Ion Ratio Lower Upper
105 100
120 46.1 0.0 86.8

