

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121523\
 Data File : VN080504.D
 Acq On : 15 Dec 2023 15:35
 Operator : JC\MD
 Sample : 05862-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-LIQUIDS-20231213-01

Quant Time: Dec 16 02:54:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

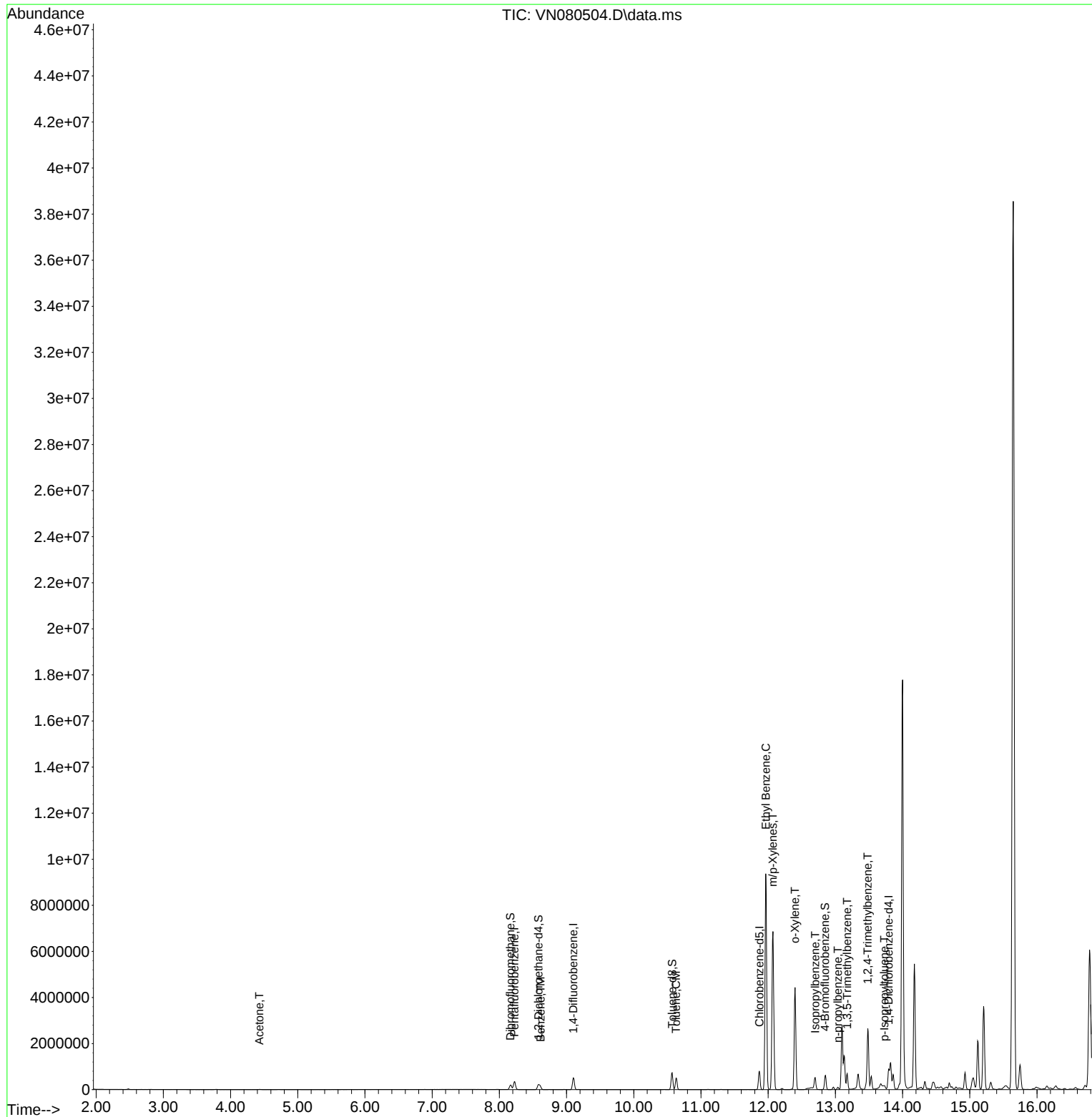
Internal Standards						
1) Pentafluorobenzene	8.224	168	245763	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	446822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	472133	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	168026	53.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.060%			
35) Dibromofluoromethane	8.165	113	140376	49.550	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.100%			
50) Toluene-d8	10.571	98	515228	48.764	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.520%			
62) 4-Bromofluorobenzene	12.847	95	224918	56.060	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.120%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	12783	22.967	ug/l	97
40) Benzene	8.612	78	143916	10.759	ug/l	98
52) Toluene	10.629	92	227276	26.896	ug/l	98
67) Ethyl Benzene	11.965	91	6931507	358.926	ug/l	96
68) m/p-Xylenes	12.070	106	2167185	303.691	ug/l	88
69) o-Xylene	12.400	106	1195757	171.313	ug/l	87
73) Isopropylbenzene	12.700	105	340805	18.638	ug/l	97
78) n-propylbenzene	13.035	91	81344	4.035	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	360221	22.874	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1571843	100.330	ug/l	98
86) p-Isopropyltoluene	13.729	119	40394	2.712	ug/l #	75

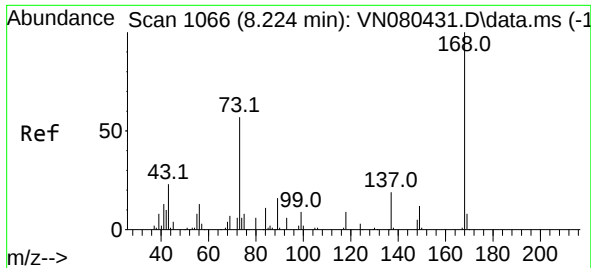
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 13 01:57:14 2023
Response via : Initial Calibration

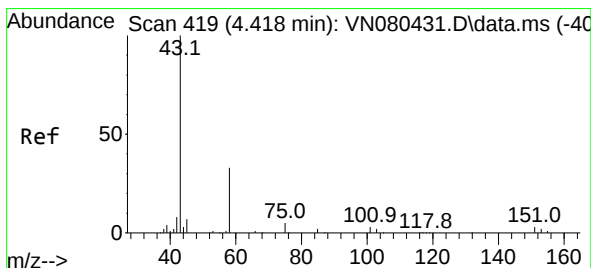
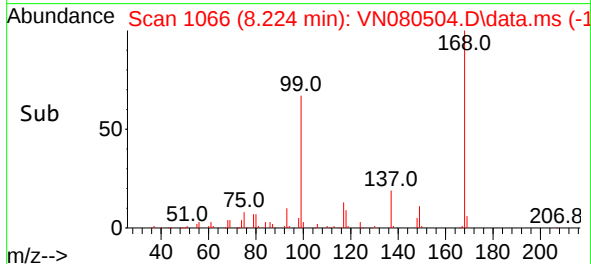
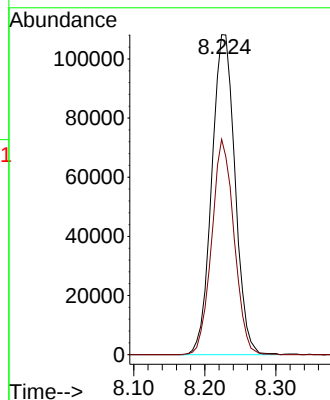
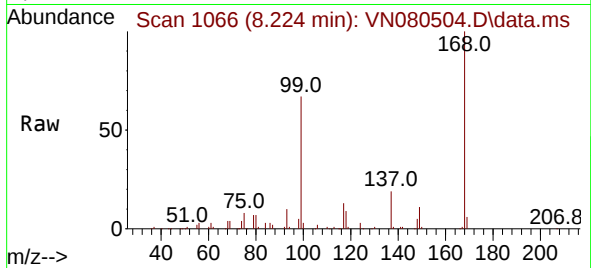




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

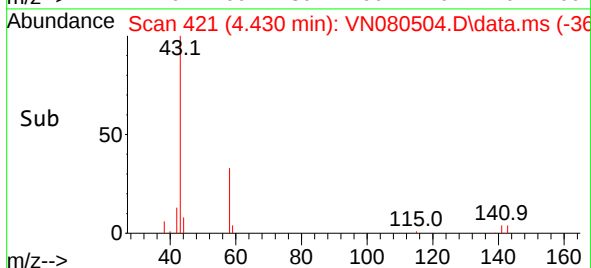
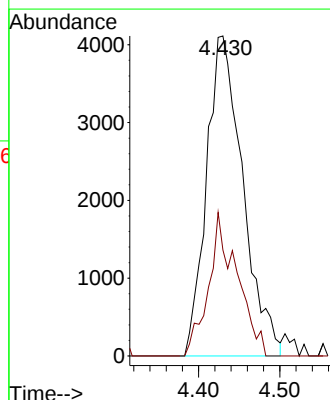
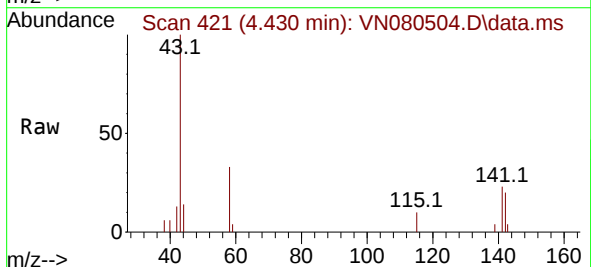
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUIDS-20231213-01

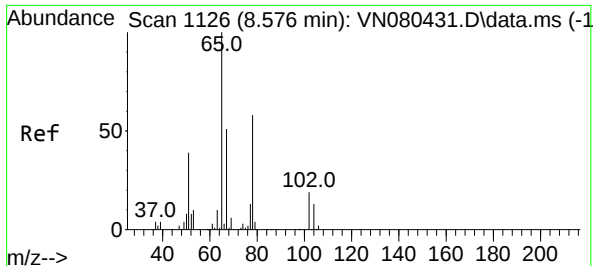
Tgt Ion:168 Resp: 245763
Ion Ratio Lower Upper
168 100
99 67.3 53.0 79.6



#16
Acetone
Concen: 22.967 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

Tgt Ion: 43 Resp: 12783
Ion Ratio Lower Upper
43 100
58 33.1 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 53.529 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080504.D

Acq: 15 Dec 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

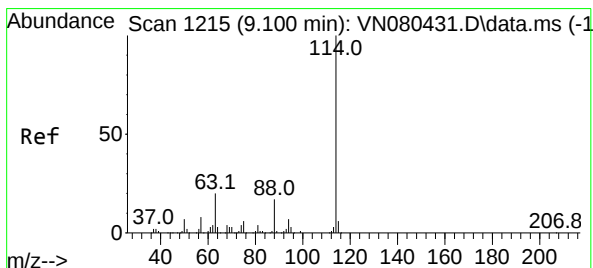
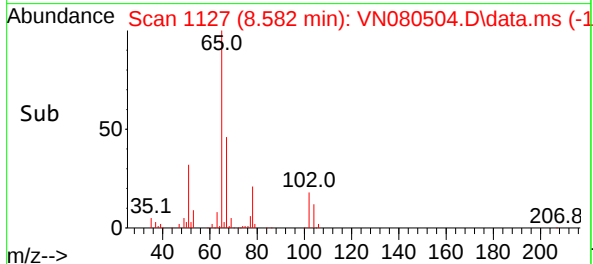
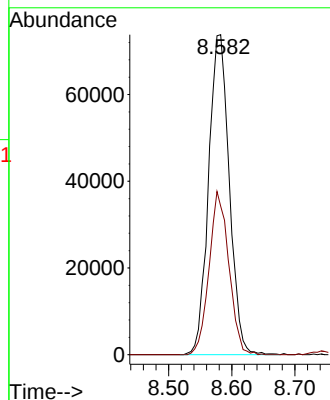
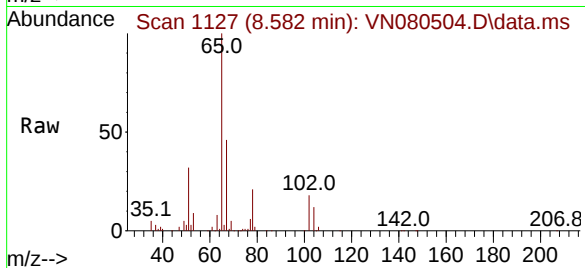
WC-LIQUIDS-20231213-01

Tgt Ion: 65 Resp: 168026

Ion Ratio Lower Upper

65 100

67 48.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN080504.D

Acq: 15 Dec 2023 15:35

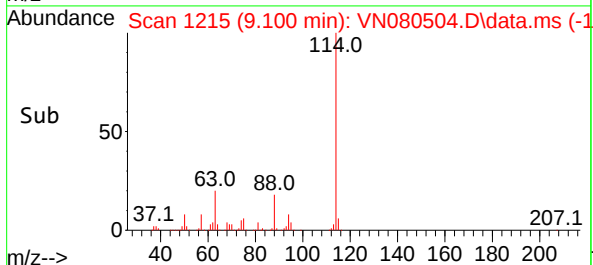
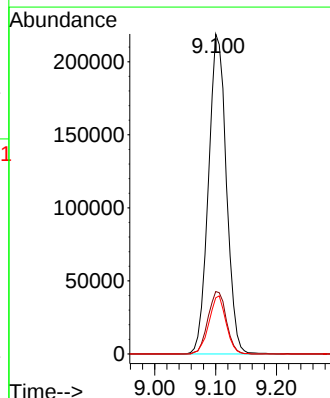
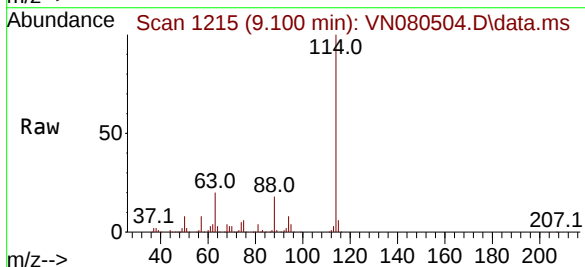
Tgt Ion: 114 Resp: 446822

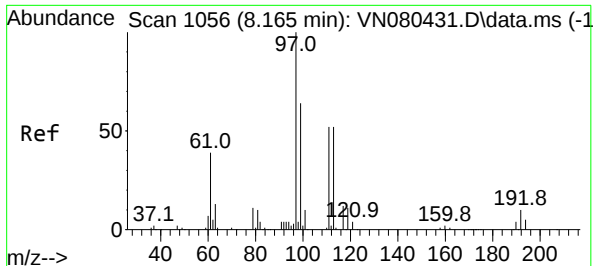
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

88 17.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.550 ug/l

RT: 8.165 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN080504.D

Acq: 15 Dec 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

WC-LIQUIDS-20231213-01

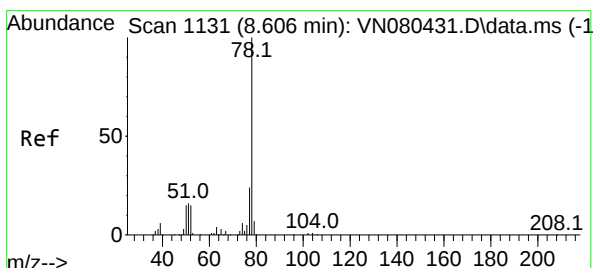
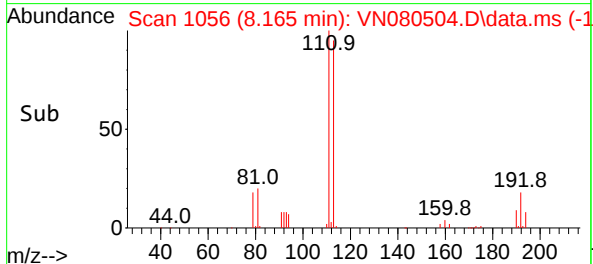
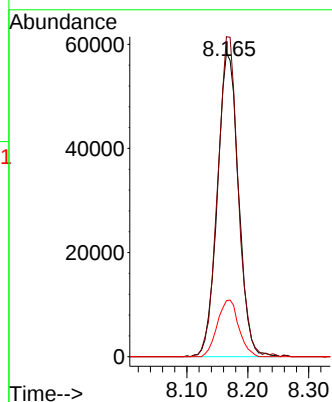
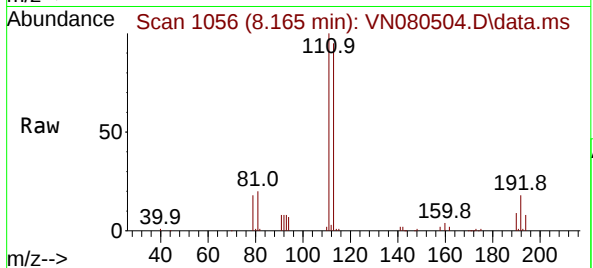
Tgt Ion:113 Resp: 140376

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 18.9 12.7 19.1



#40

Benzene

Concen: 10.759 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN080504.D

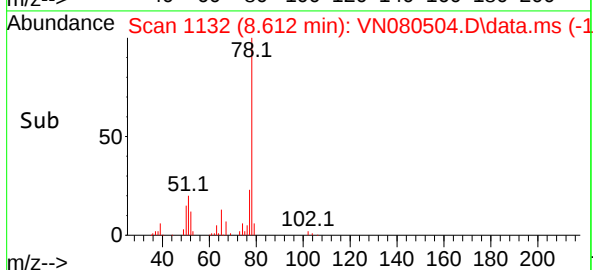
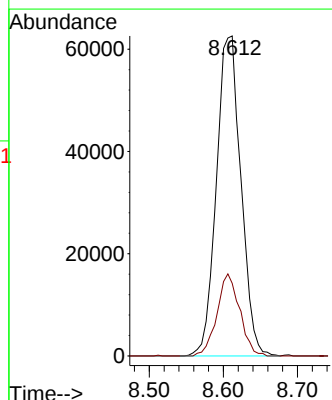
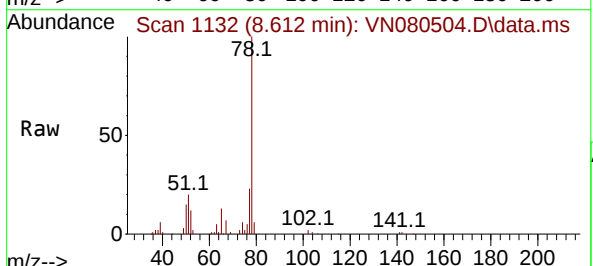
Acq: 15 Dec 2023 15:35

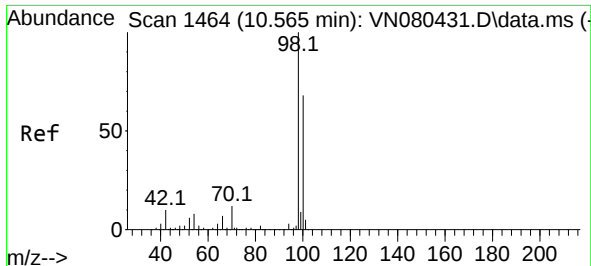
Tgt Ion: 78 Resp: 143916

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.6

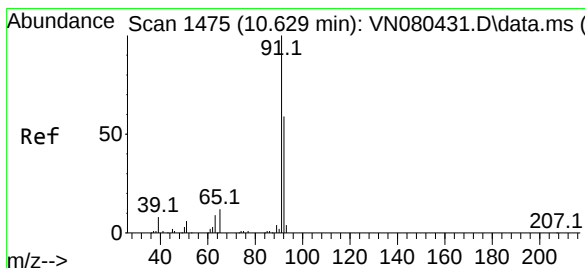
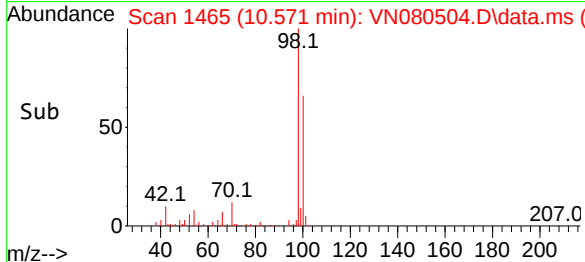
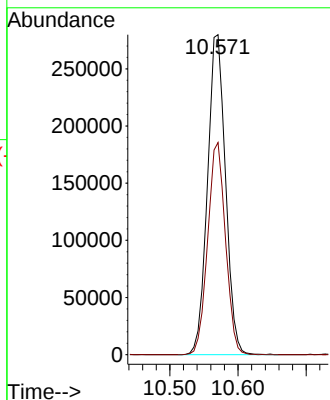
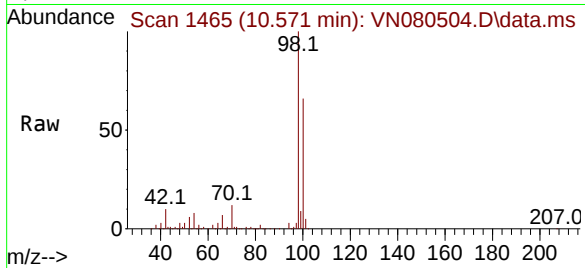




#50
Toluene-d8
Concen: 48.764 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

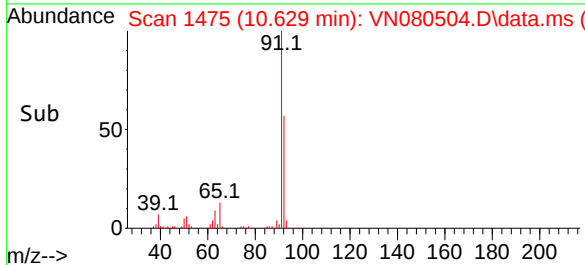
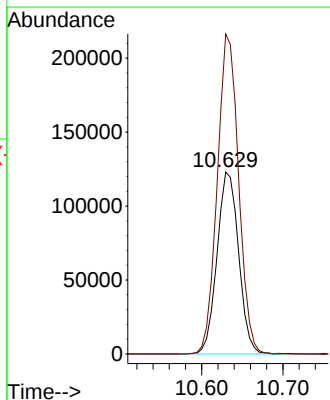
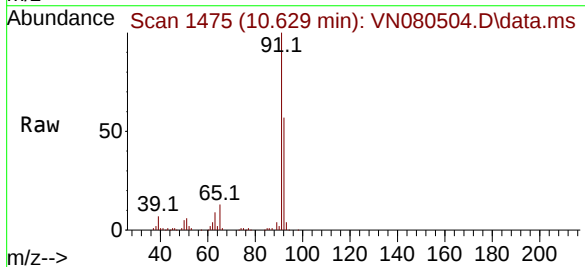
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUIDS-20231213-01

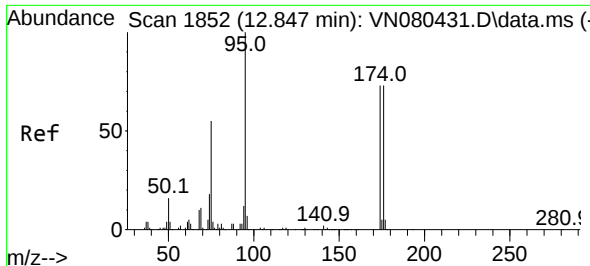
Tgt Ion: 98 Resp: 515228
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0



#52
Toluene
Concen: 26.896 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

Tgt Ion: 92 Resp: 227276
Ion Ratio Lower Upper
92 100
91 173.9 137.4 206.0

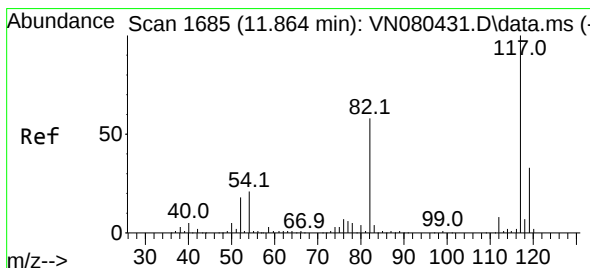
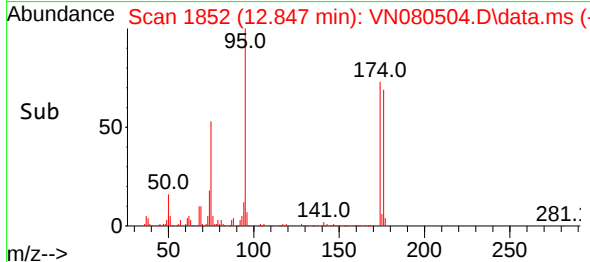
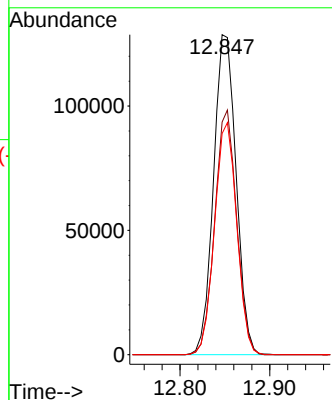
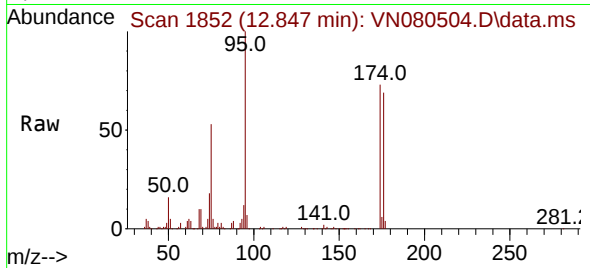




#62
4-Bromofluorobenzene
Concen: 56.060 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

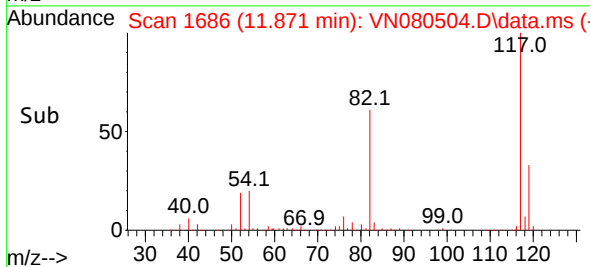
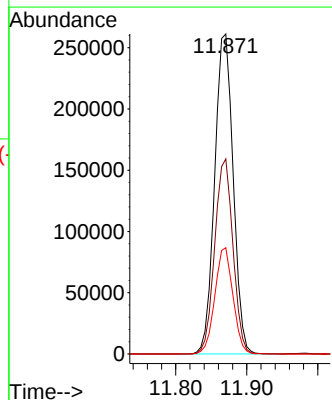
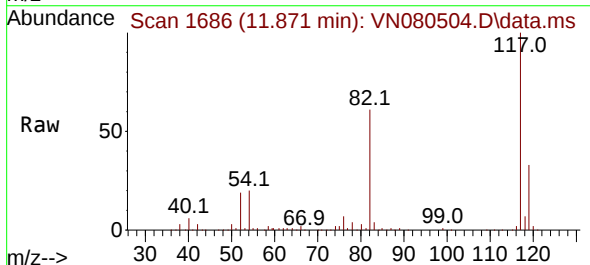
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUIDS-20231213-01

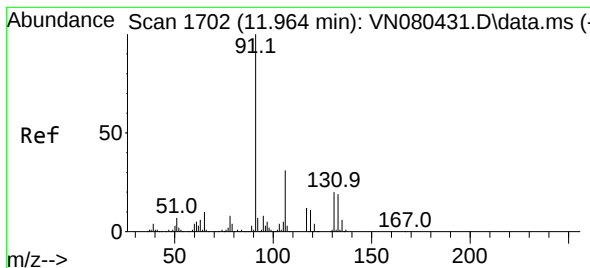
Tgt Ion:	95	Resp:	224918
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	143.8
176	71.4	0.0	135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

Tgt Ion:	117	Resp:	472133
Ion	Ratio	Lower	Upper
117	100		
82	61.0	44.0	66.0
119	33.2	25.6	38.4





#67

Ethyl Benzene

Concen: 358.926 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.000 min

Lab File: VN080504.D

Acq: 15 Dec 2023 15:35

Instrument :

MSVOA_N

ClientSampleId :

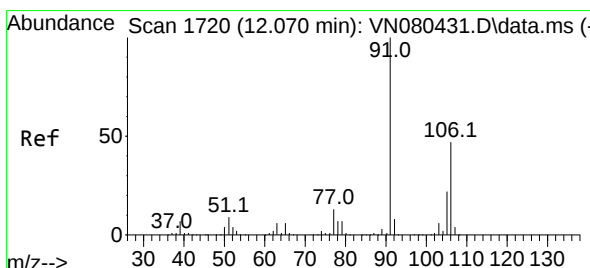
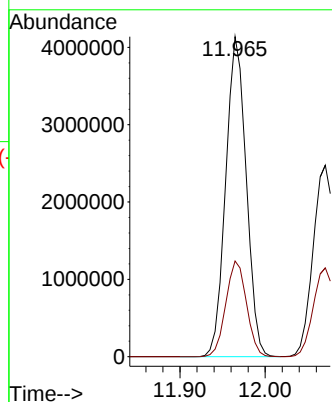
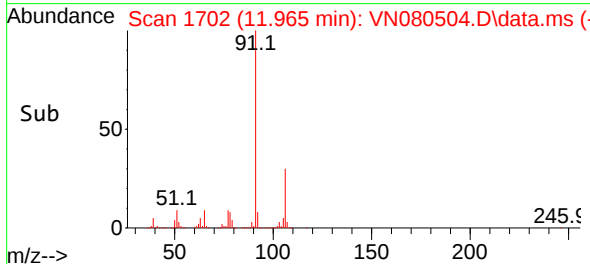
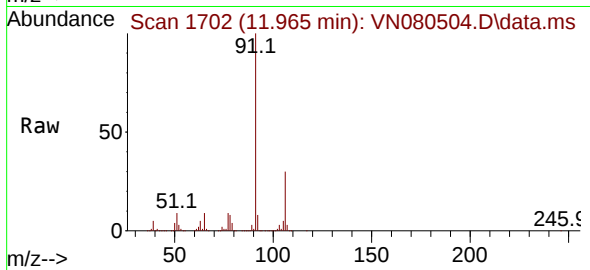
WC-LIQUIDS-20231213-01

Tgt Ion: 91 Resp: 6931507

Ion Ratio Lower Upper

91 100

106 29.9 25.6 38.4



#68

m/p-Xylenes

Concen: 303.691 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VN080504.D

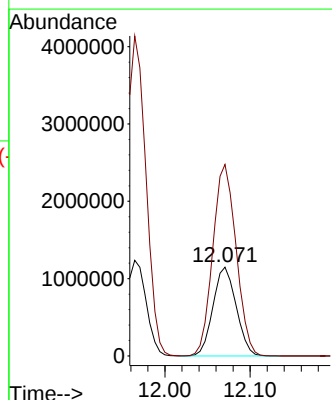
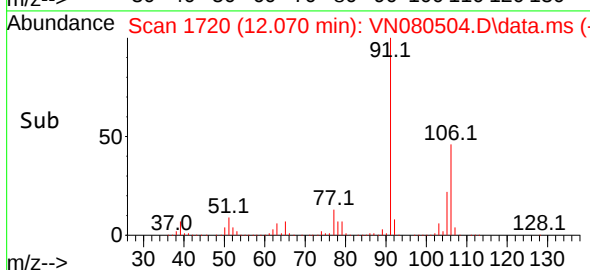
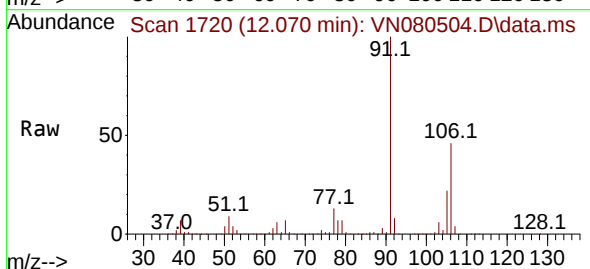
Acq: 15 Dec 2023 15:35

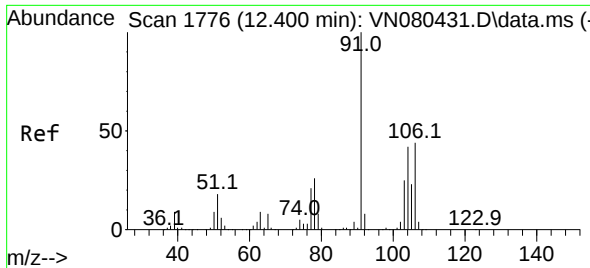
Tgt Ion: 106 Resp: 2167185

Ion Ratio Lower Upper

106 100

91 217.2 159.6 239.4

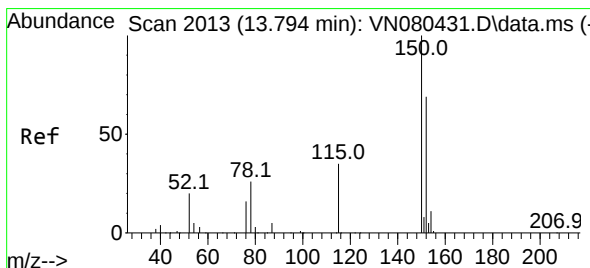
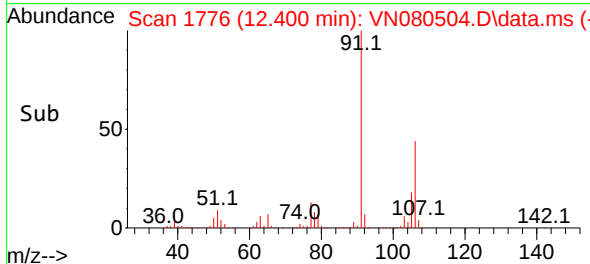
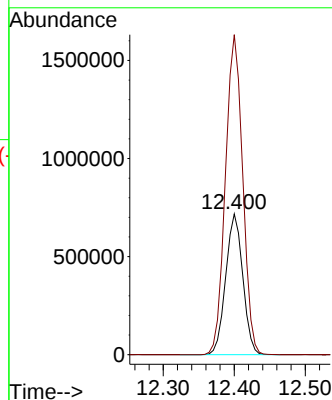
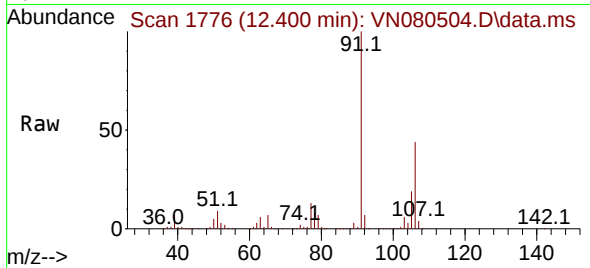




#69
o-Xylene
Concen: 171.313 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

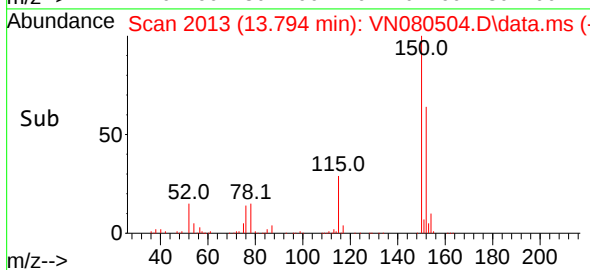
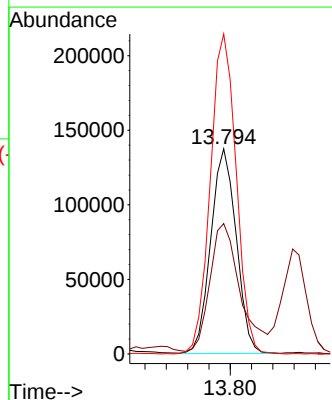
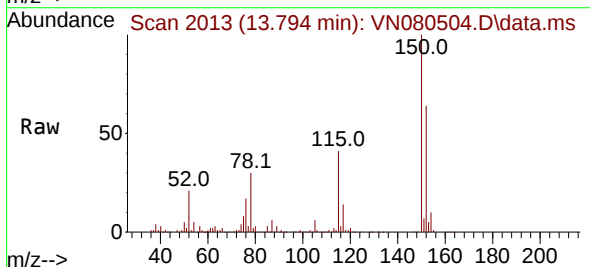
Instrument :
MSVOA_N
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WC-LIQUIDS-20231213-01

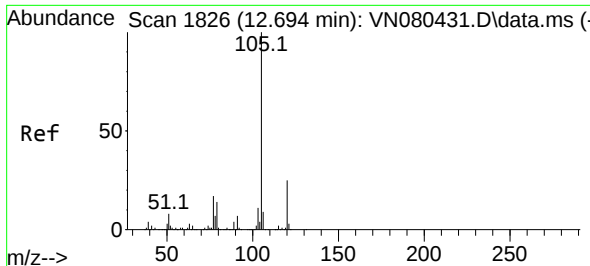
Tgt Ion:106 Resp: 1195757
Ion Ratio Lower Upper
106 100
91 230.2 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

Tgt Ion:152 Resp: 227620
Ion Ratio Lower Upper
152 100
115 74.2 32.3 96.8
150 158.9 0.0 355.8

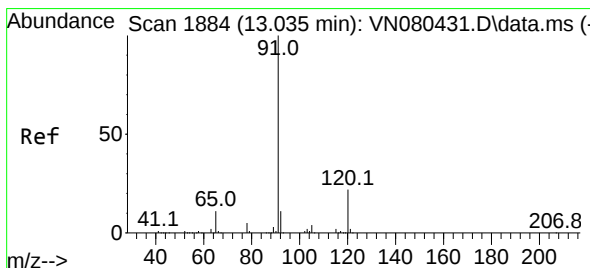
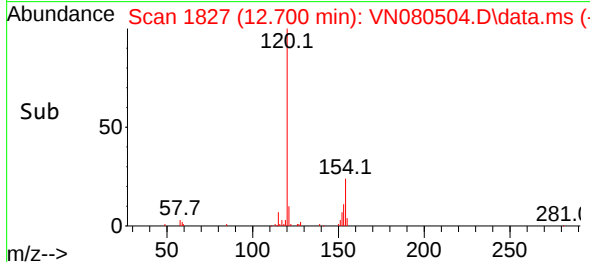
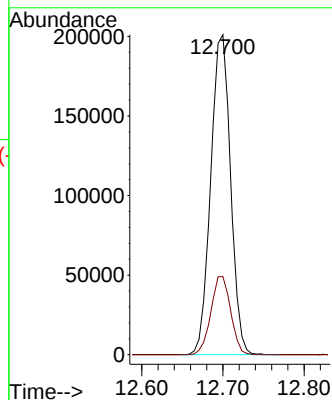
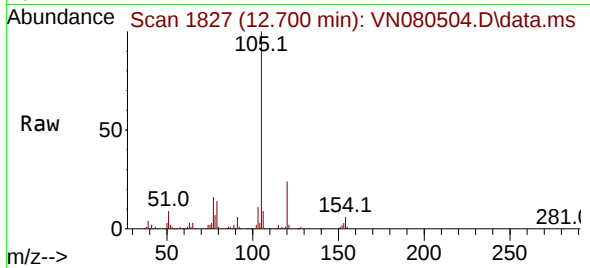




#73
Isopropylbenzene
Concen: 18.638 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.006 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

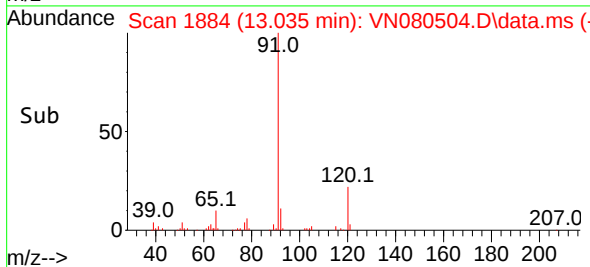
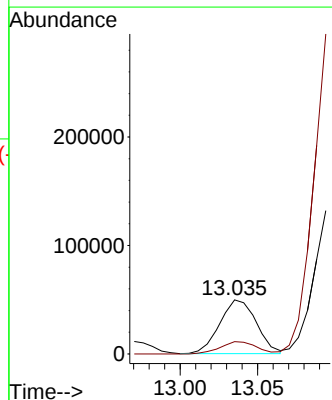
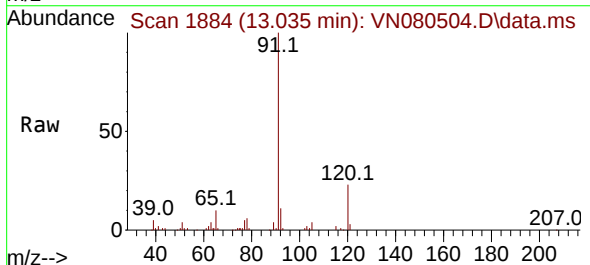
Instrument :
MSVOA_N
ClientSampleId :
WC-LIQUIDS-20231213-01

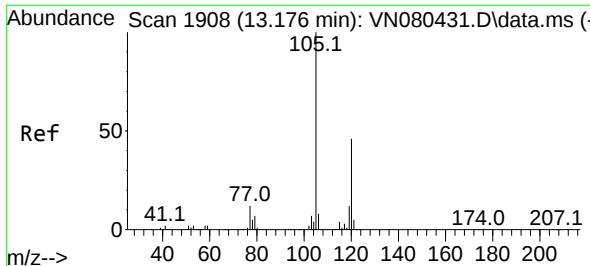
Tgt Ion:105 Resp: 340805
Ion Ratio Lower Upper
105 100
120 24.4 13.1 39.1



#78
n-propylbenzene
Concen: 4.035 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN080504.D
Acq: 15 Dec 2023 15:35

Tgt Ion: 91 Resp: 81344
Ion Ratio Lower Upper
91 100
120 22.4 11.5 34.4

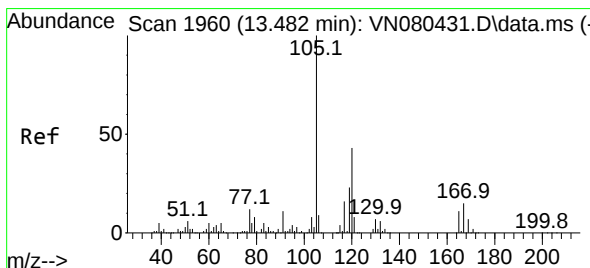
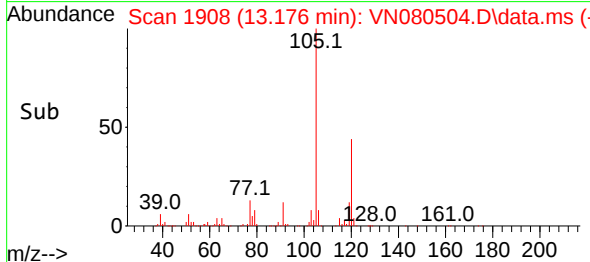
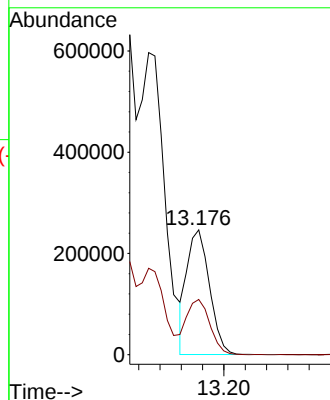
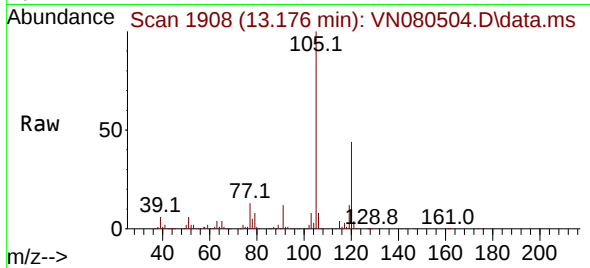




#80
 1,3,5-Trimethylbenzene
 Concen: 22.874 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN080504.D
 Acq: 15 Dec 2023 15:35

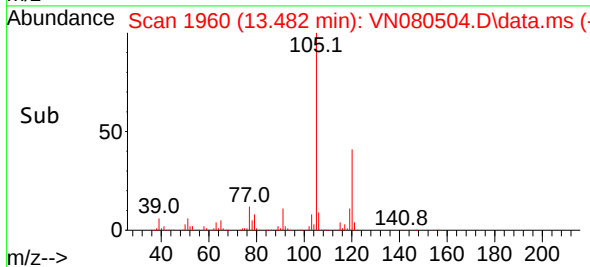
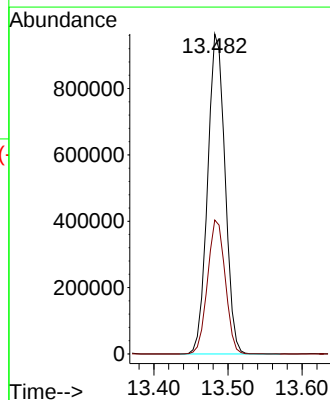
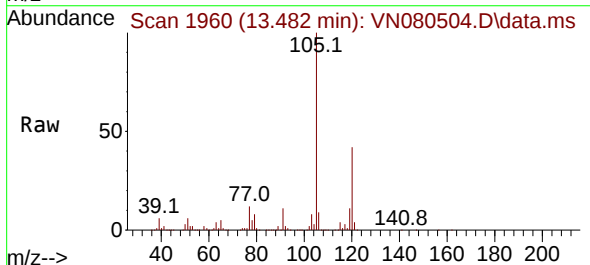
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-LIQUIDS-20231213-01

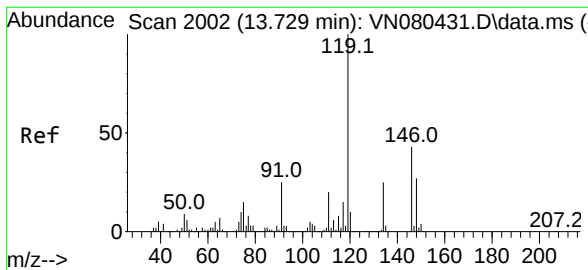
Tgt Ion:105 Resp: 360221
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 100.330 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080504.D
 Acq: 15 Dec 2023 15:35

Tgt Ion:105 Resp: 1571843
 Ion Ratio Lower Upper
 105 100
 120 42.6 22.0 66.0





#86
 p-Isopropyltoluene
 Concen: 2.712 ug/l
 RT: 13.729 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN080504.D
 Acq: 15 Dec 2023 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-LIQUIDS-20231213-01

Tgt Ion:119 Resp: 40394
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.6 37.8
 91 0.0 12.4 37.2#

