

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121923\
 Data File : VN080524.D
 Acq On : 19 Dec 2023 16:45
 Operator : JC\MD
 Sample : 05864-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1211-GW

Quant Time: Dec 19 17:03:04 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)

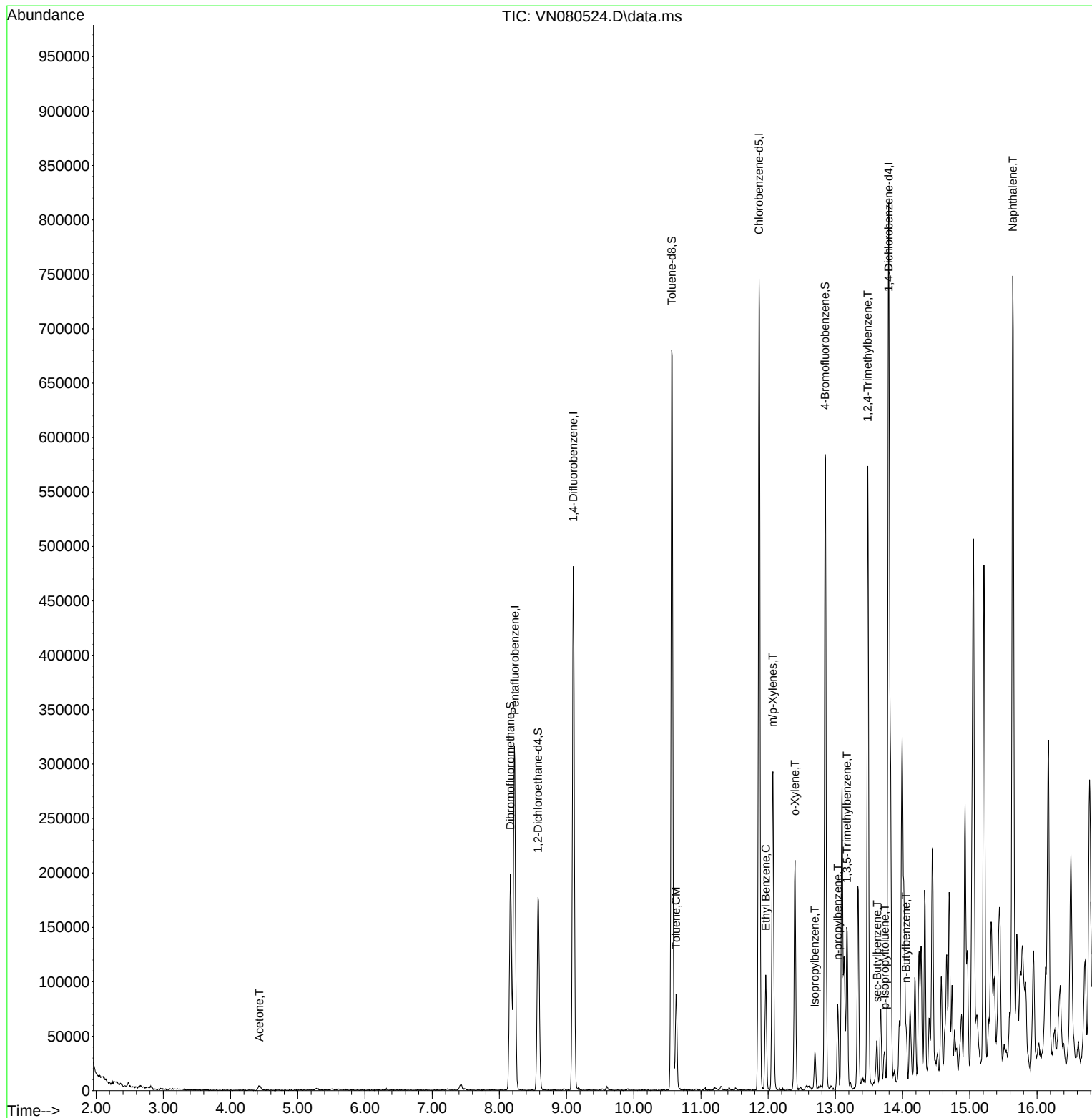
Internal Standards						
1) Pentafluorobenzene	8.230	168	225902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	409002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	432539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158477	54.926	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.860%	
35) Dibromofluoromethane	8.165	113	139005	53.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.200%	
50) Toluene-d8	10.565	98	491641	50.834	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	12.847	95	210334	57.273	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 114.540%	
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	8226	16.079	ug/l	92
52) Toluene	10.629	92	38415	4.966	ug/l	99
67) Ethyl Benzene	11.965	91	75070	4.243	ug/l	96
68) m/p-Xylenes	12.071	106	91969	14.067	ug/l	92
69) o-Xylene	12.400	106	55033	8.606	ug/l	85
73) Isopropylbenzene	12.694	105	22520	1.311	ug/l	98
78) n-propylbenzene	13.035	91	57486	3.035	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	74893	5.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	332073	22.559	ug/l	97
85) sec-Butylbenzene	13.623	105	22286	1.438	ug/l	88
86) p-Isopropyltoluene	13.735	119	15927	1.138	ug/l	98
89) n-Butylbenzene	14.053	91	22301	1.908	ug/l #	83
95) Naphthalene	15.641	128	688681	57.768	ug/l	99

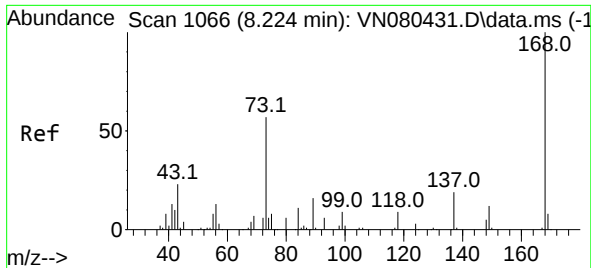
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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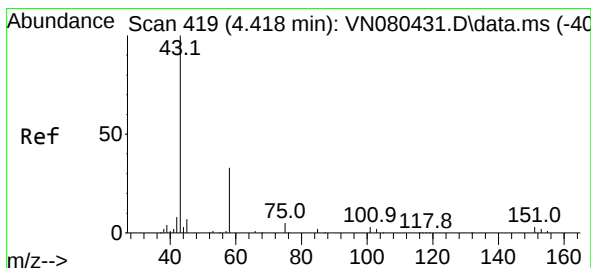
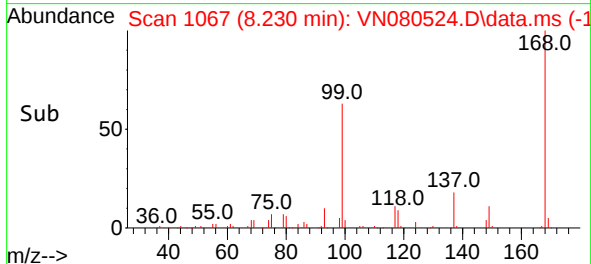
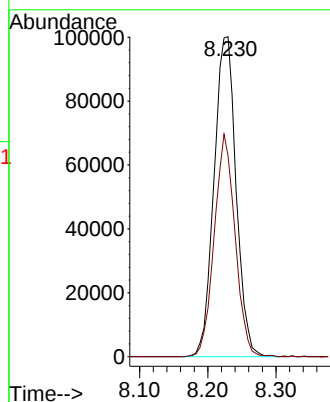
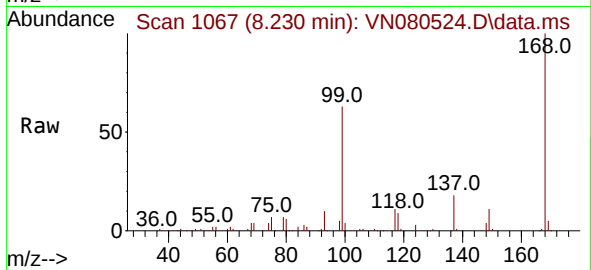




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

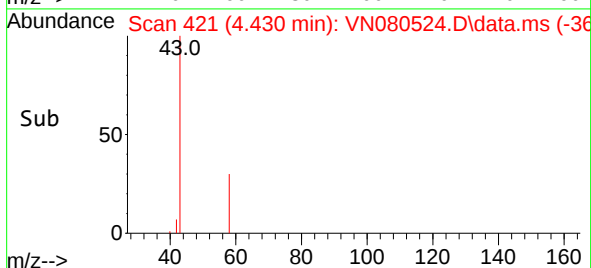
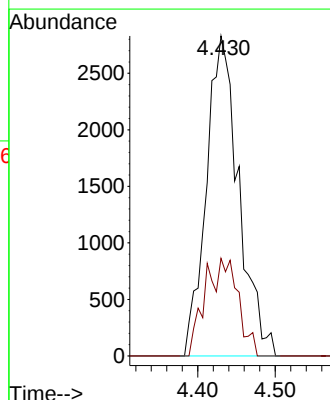
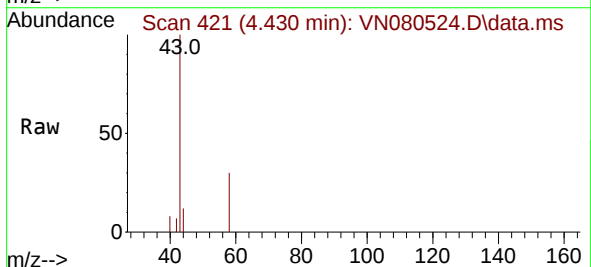
Instrument :
MSVOA_N
ClientSampleId :
1211-GW

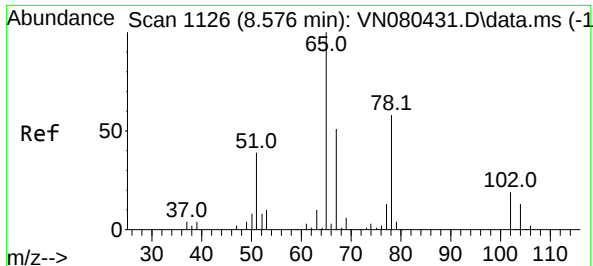
Tgt Ion:168 Resp: 225902
Ion Ratio Lower Upper
168 100
99 62.7 53.0 79.6



#16
Acetone
Concen: 16.079 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion: 43 Resp: 8226
Ion Ratio Lower Upper
43 100
58 30.5 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 54.926 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080524.D

Acq: 19 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

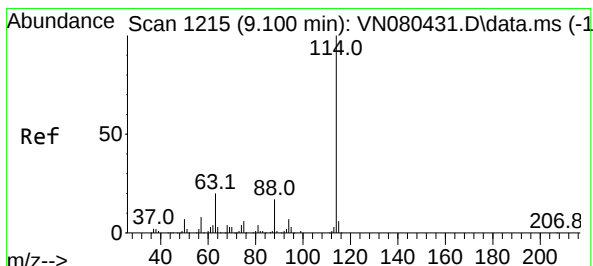
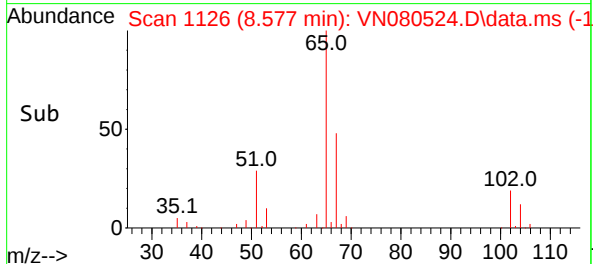
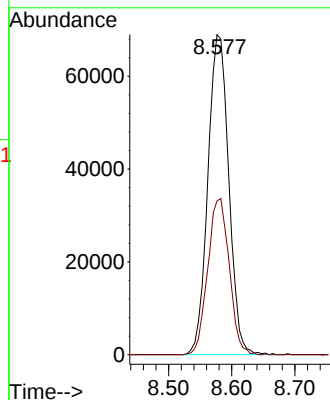
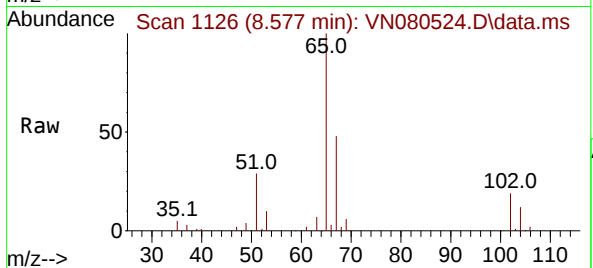
1211-GW

Tgt Ion: 65 Resp: 158477

Ion Ratio Lower Upper

65 100

67 50.2 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: VN080524.D

Acq: 19 Dec 2023 16:45

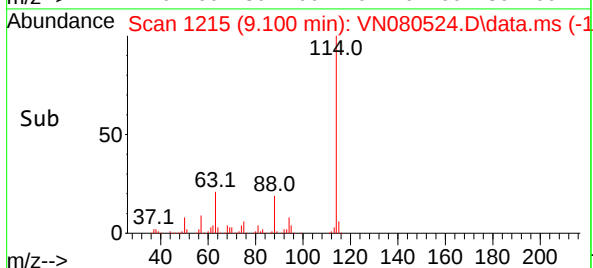
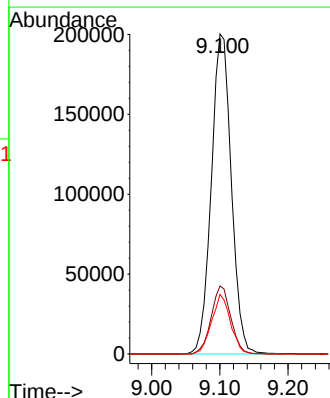
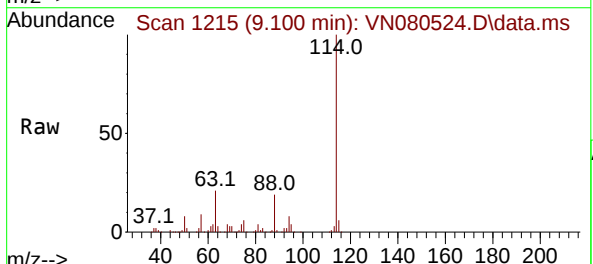
Tgt Ion: 114 Resp: 409002

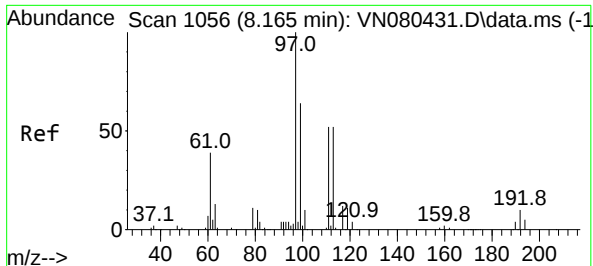
Ion Ratio Lower Upper

114 100

63 21.3 0.0 36.4

88 18.6 0.0 30.6

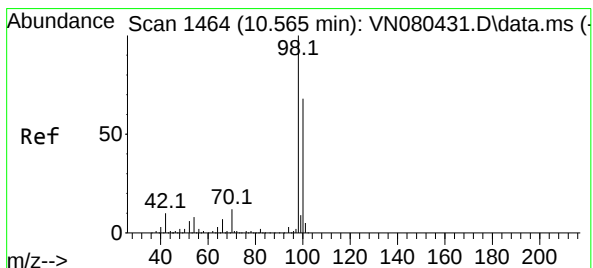
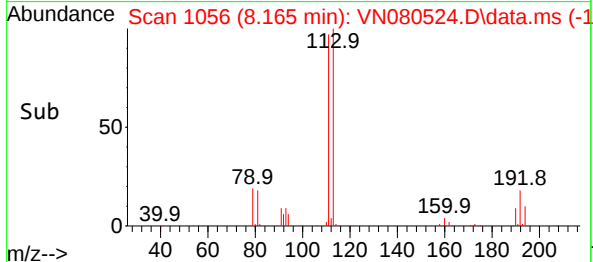
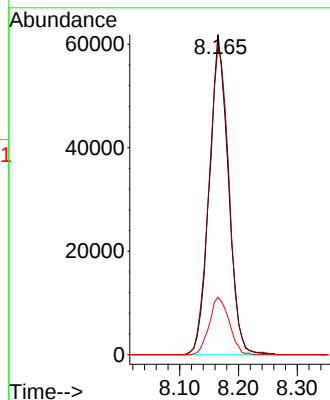
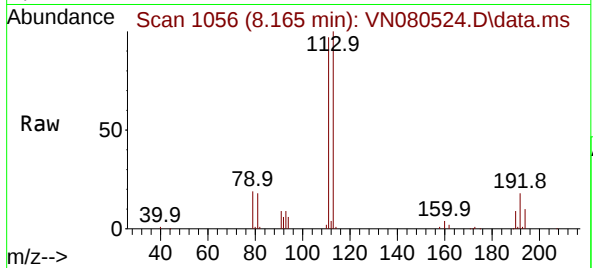




#35
Dibromofluoromethane
Concen: 53.603 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

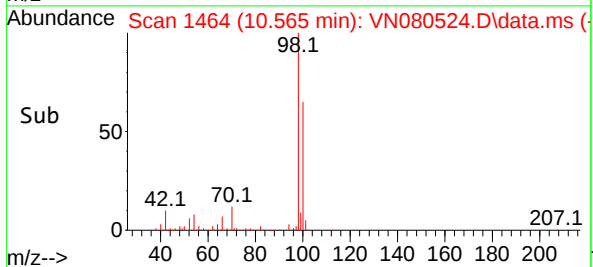
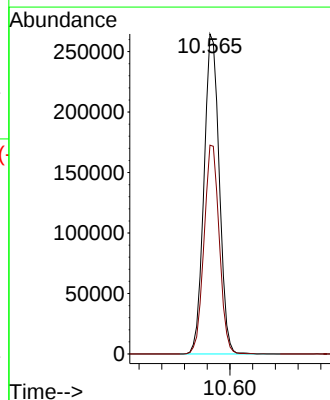
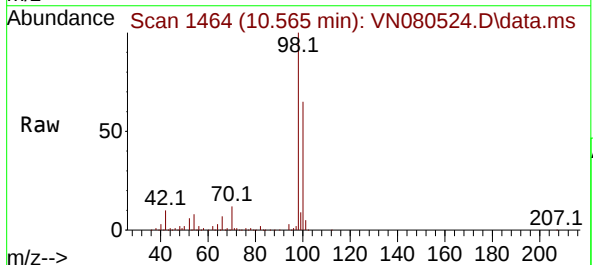
Instrument :
MSVOA_N
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1211-GW

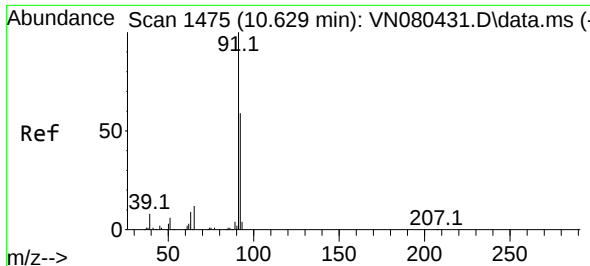
Tgt Ion:113 Resp: 139005
Ion Ratio Lower Upper
113 100
111 101.7 82.6 123.8
192 18.8 12.7 19.1



#50
Toluene-d8
Concen: 50.834 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion: 98 Resp: 491641
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0

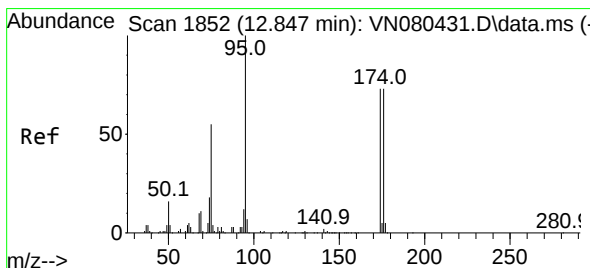
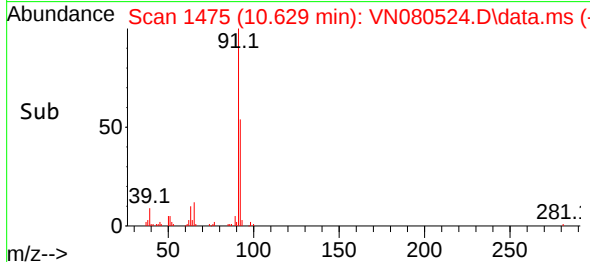
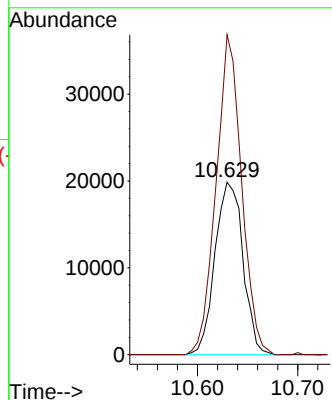
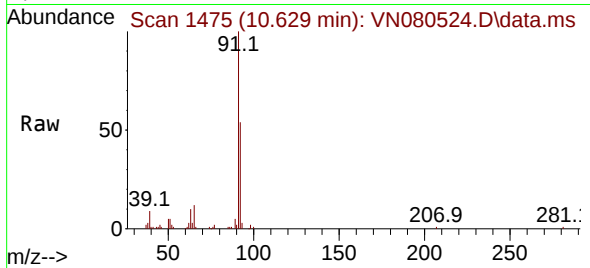




#52
Toluene
Concen: 4.966 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

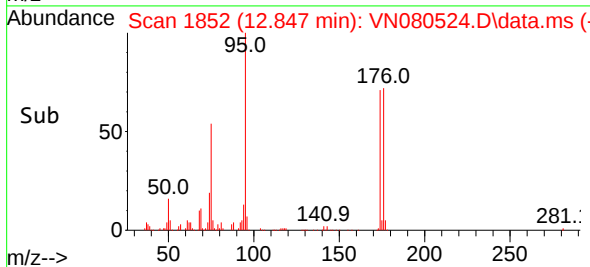
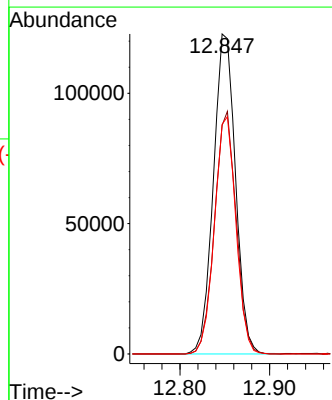
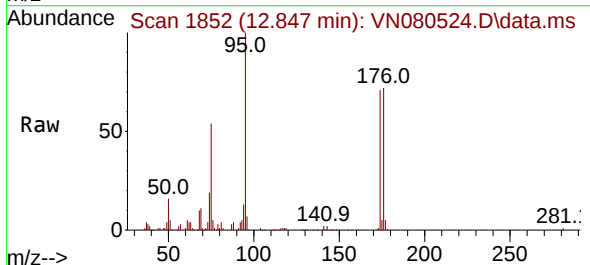
Instrument :
MSVOA_N
ClientSampleId :
1211-GW

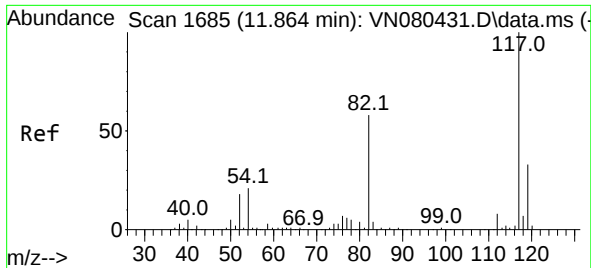
Tgt Ion: 92 Resp: 38415
Ion Ratio Lower Upper
92 100
91 169.7 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 57.273 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion: 95 Resp: 210334
Ion Ratio Lower Upper
95 100
174 74.0 0.0 143.8
176 72.0 0.0 135.8

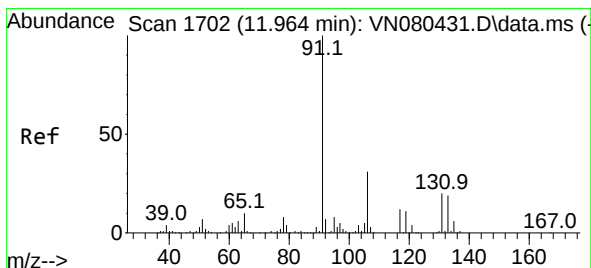
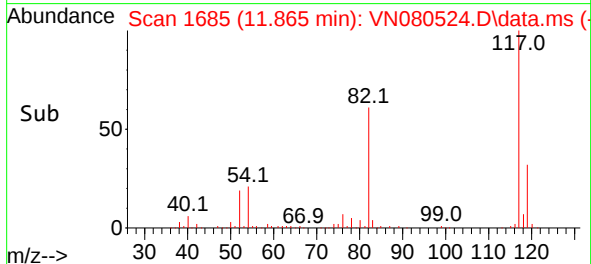
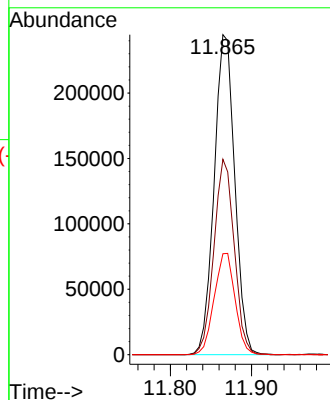
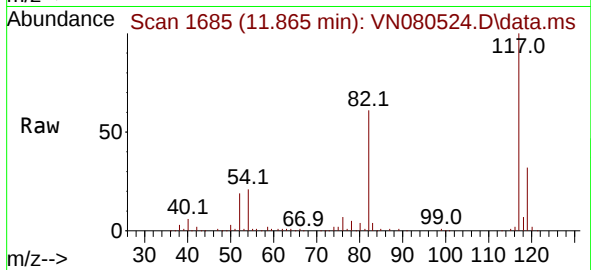




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

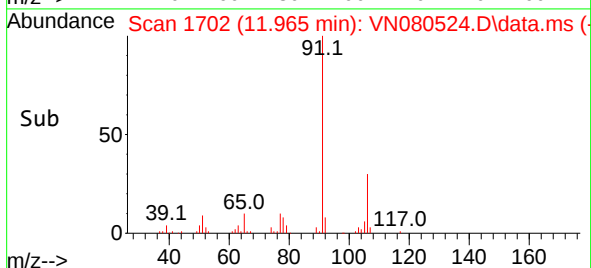
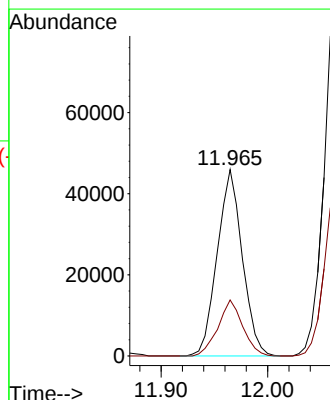
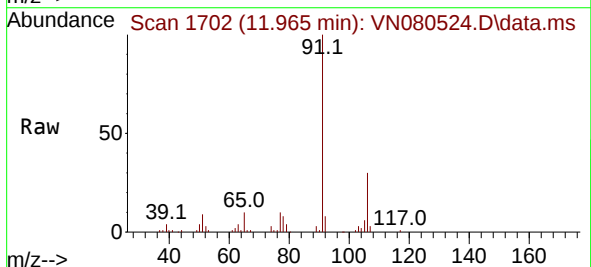
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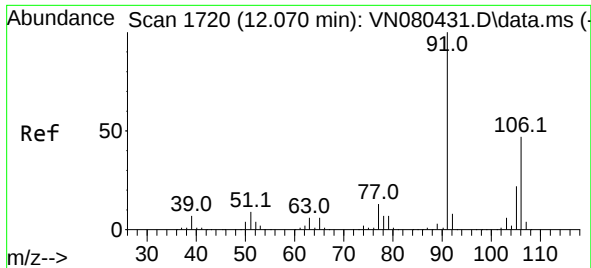
Tgt Ion:117 Resp: 432539
Ion Ratio Lower Upper
117 100
82 61.1 44.0 66.0
119 31.5 25.6 38.4



#67
Ethyl Benzene
Concen: 4.243 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion: 91 Resp: 75070
Ion Ratio Lower Upper
91 100
106 30.0 25.6 38.4

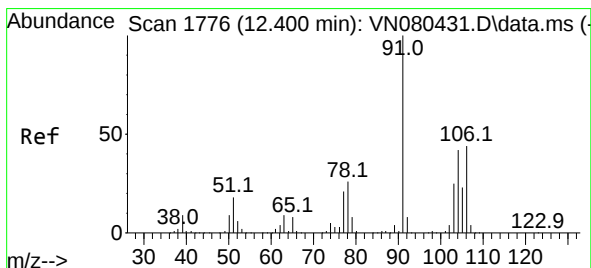
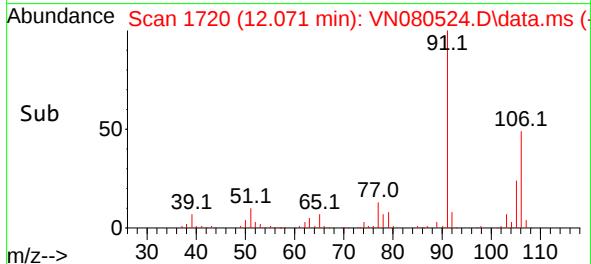
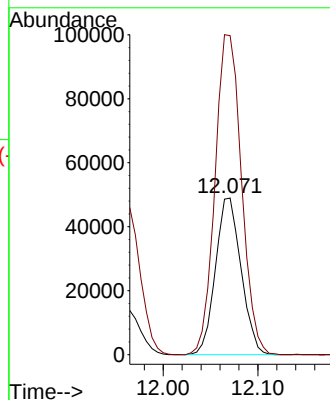
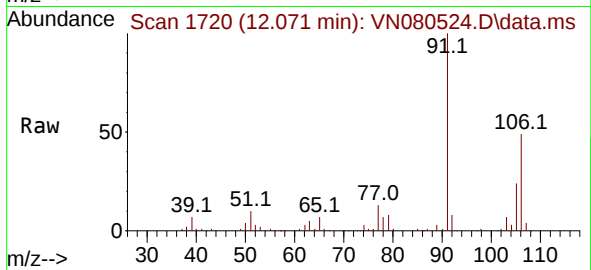




#68
m/p-Xylenes
Concen: 14.067 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

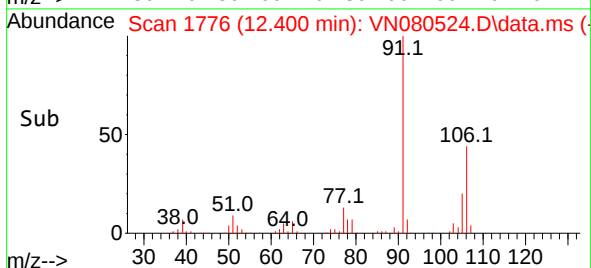
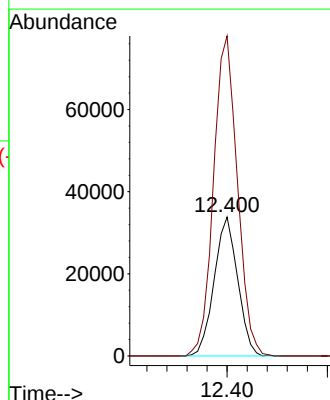
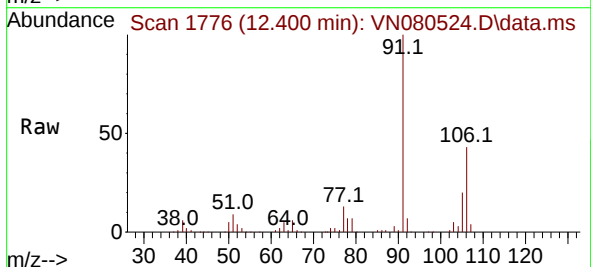
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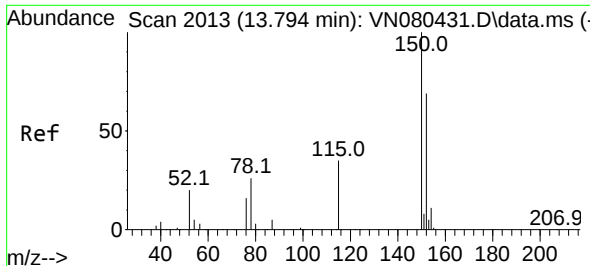
Tgt Ion:106 Resp: 91969
Ion Ratio Lower Upper
106 100
91 211.2 159.6 239.4



#69
o-Xylene
Concen: 8.606 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion:106 Resp: 55033
Ion Ratio Lower Upper
106 100
91 233.6 105.2 315.5

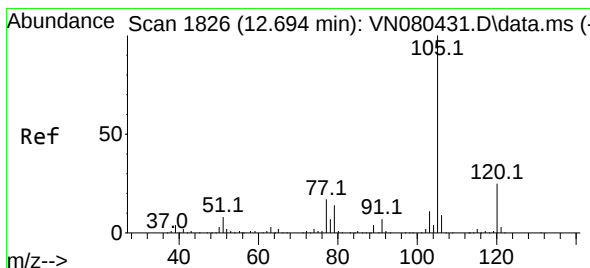
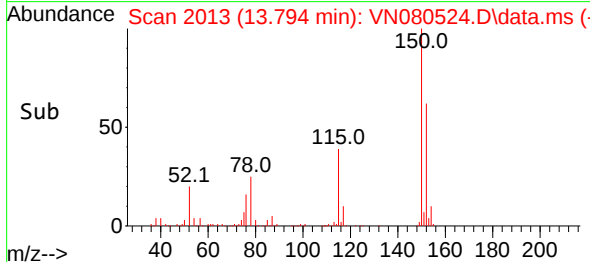
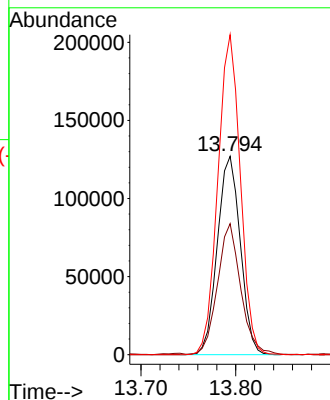
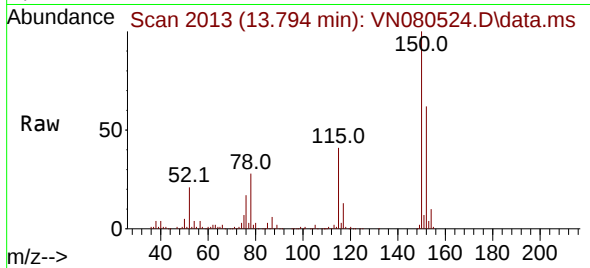




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

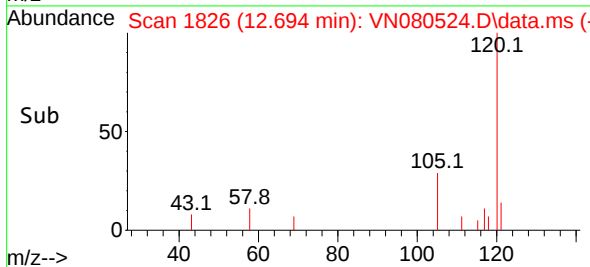
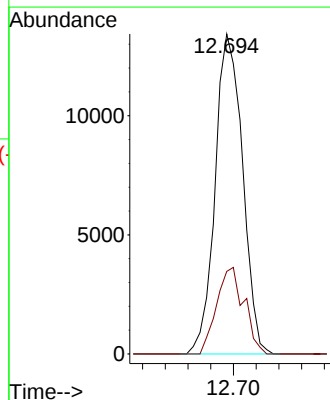
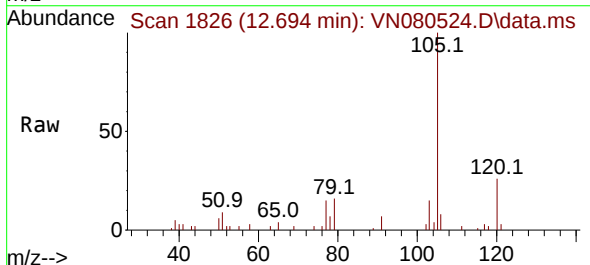
Instrument :
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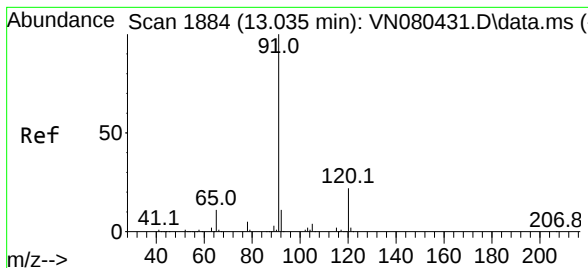
Tgt Ion:152 Resp: 213868
Ion Ratio Lower Upper
152 100
115 67.2 32.3 96.8
150 157.7 0.0 355.8



#73
Isopropylbenzene
Concen: 1.311 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion:105 Resp: 22520
Ion Ratio Lower Upper
105 100
120 27.0 13.1 39.1





#78

n-propylbenzene

Concen: 3.035 ug/l

RT: 13.035 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN080524.D

Acq: 19 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

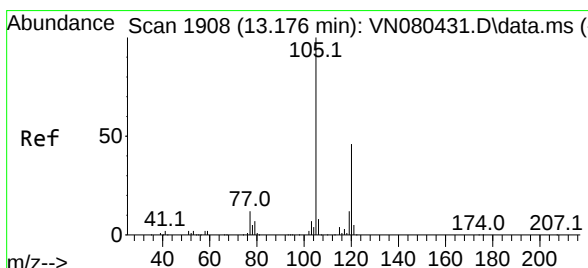
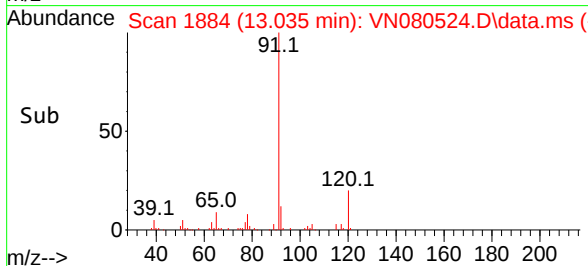
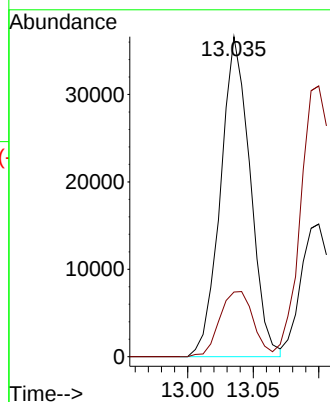
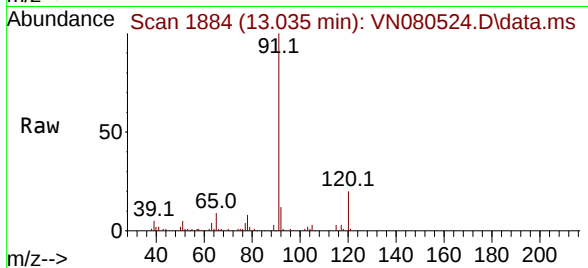
1211-GW

Tgt Ion: 91 Resp: 57486

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 5.061 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VN080524.D

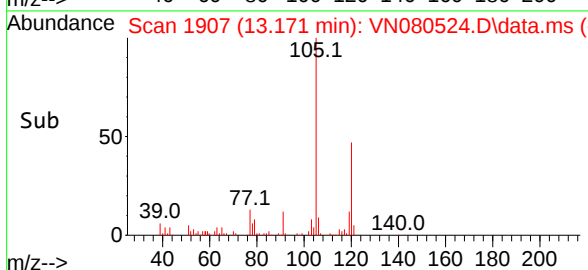
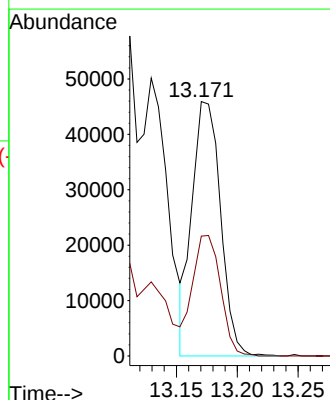
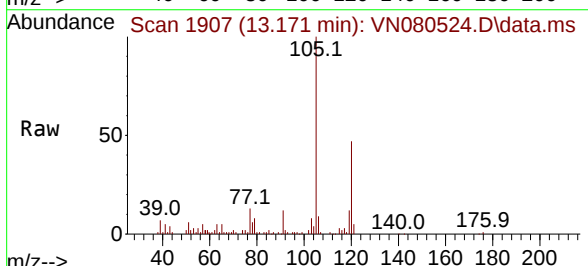
Acq: 19 Dec 2023 16:45

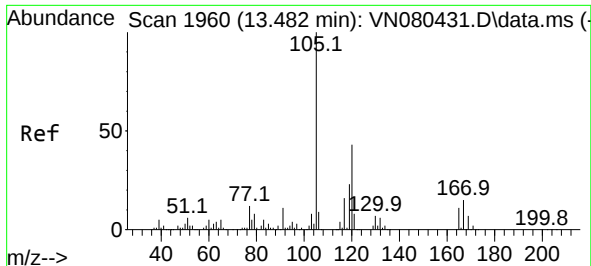
Tgt Ion:105 Resp: 74893

Ion Ratio Lower Upper

105 100

120 46.7 24.1 72.3

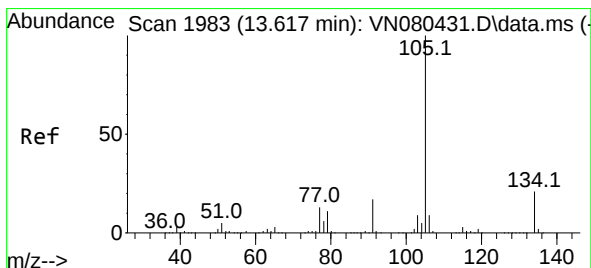
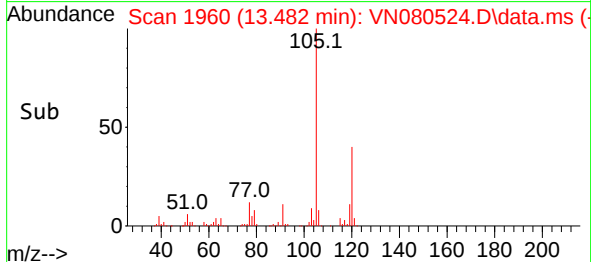
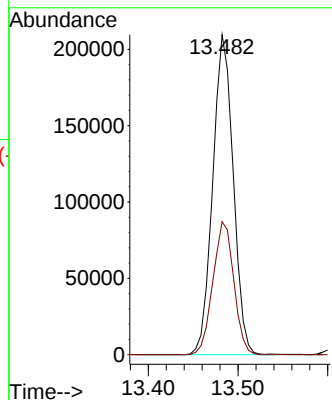
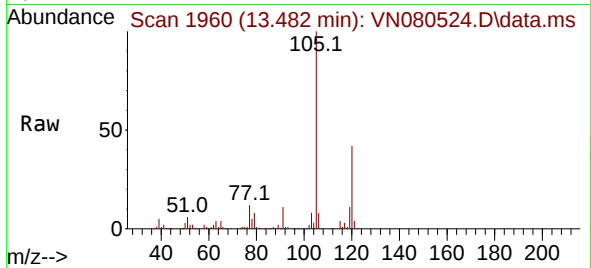




#84
1,2,4-Trimethylbenzene
Concen: 22.559 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

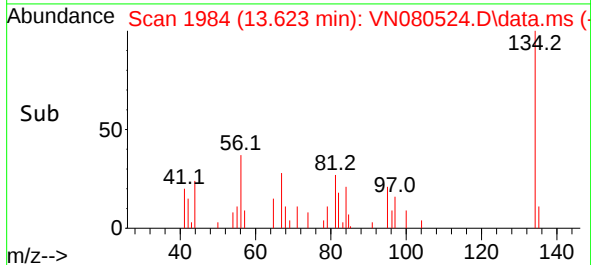
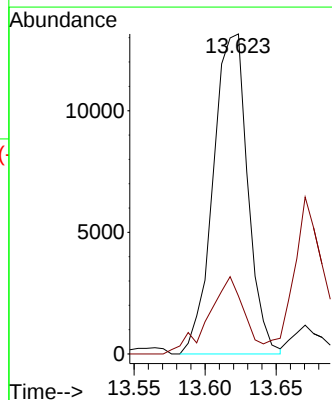
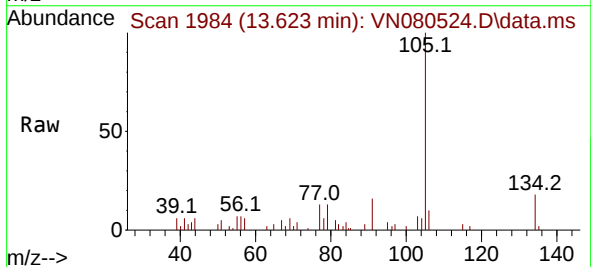
Instrument :
MSVOA_N
ClientSampleId :
1211-GW

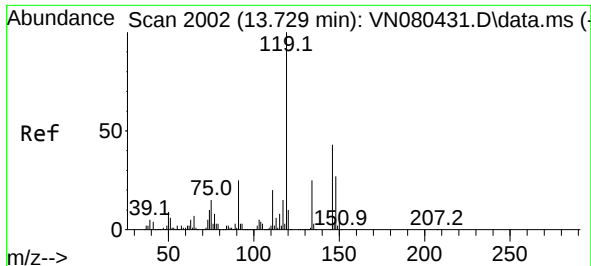
Tgt Ion:105 Resp: 332073
Ion Ratio Lower Upper
105 100
120 42.4 22.0 66.0



#85
sec-Butylbenzene
Concen: 1.438 ug/l
RT: 13.623 min Scan# 1984
Delta R.T. 0.006 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion:105 Resp: 22286
Ion Ratio Lower Upper
105 100
134 24.9 9.8 29.3

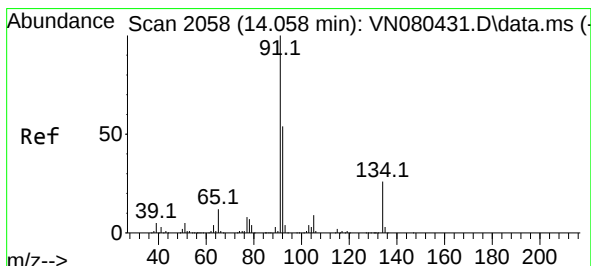
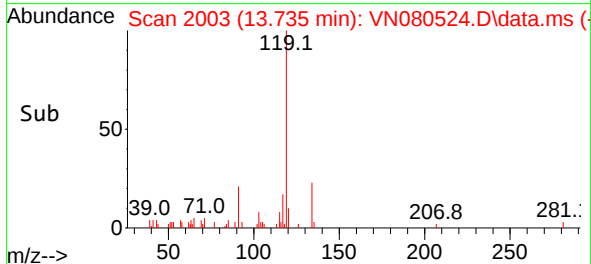
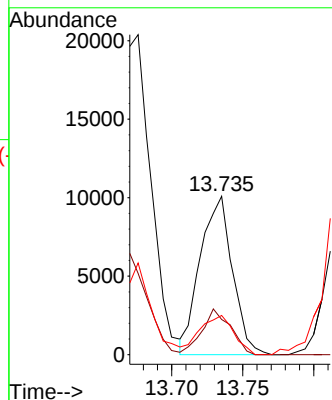
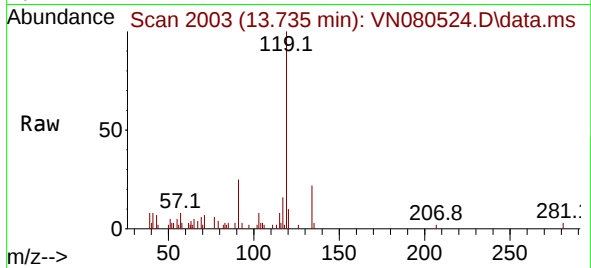




#86
p-Isopropyltoluene
Concen: 1.138 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

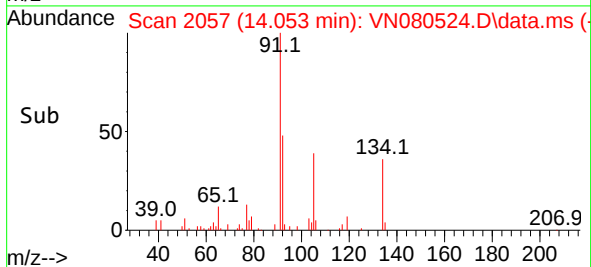
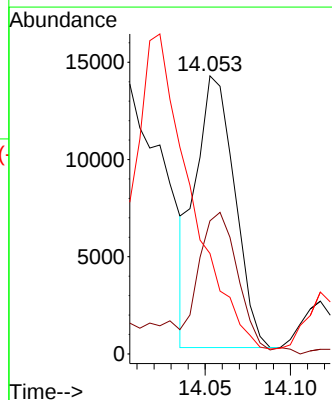
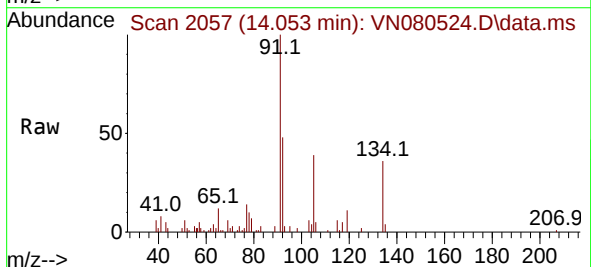
Instrument :
MSVOA_N
ClientSampleId :
1211-GW

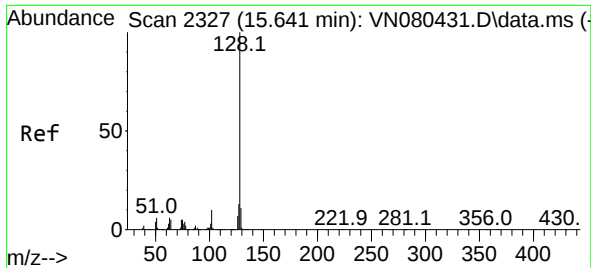
Tgt Ion:119 Resp: 15927
Ion Ratio Lower Upper
119 100
134 25.7 12.6 37.8
91 26.4 12.4 37.2



#89
n-Butylbenzene
Concen: 1.908 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080524.D
Acq: 19 Dec 2023 16:45

Tgt Ion: 91 Resp: 22301
Ion Ratio Lower Upper
91 100
92 53.5 26.4 79.0
134 0.0 12.6 37.6#





#95

Naphthalene

Concen: 57.768 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN080524.D

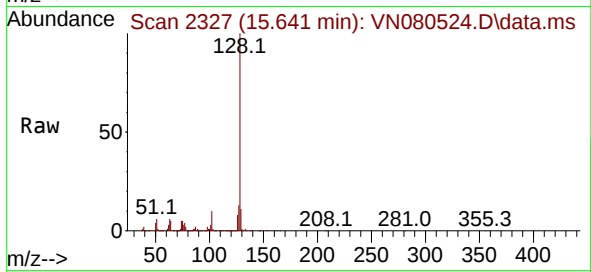
Acq: 19 Dec 2023 16:45

Instrument :

MSVOA_N

ClientSampleId :

1211-GW



Tgt Ion:128 Resp: 688681

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

129 11.0 8.7 13.1

