

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080488.D
 Acq On : 14 Dec 2023 17:26
 Operator : JC\MD
 Sample : 05831-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 A6931

Quant Time: Dec 15 00:30:55 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)

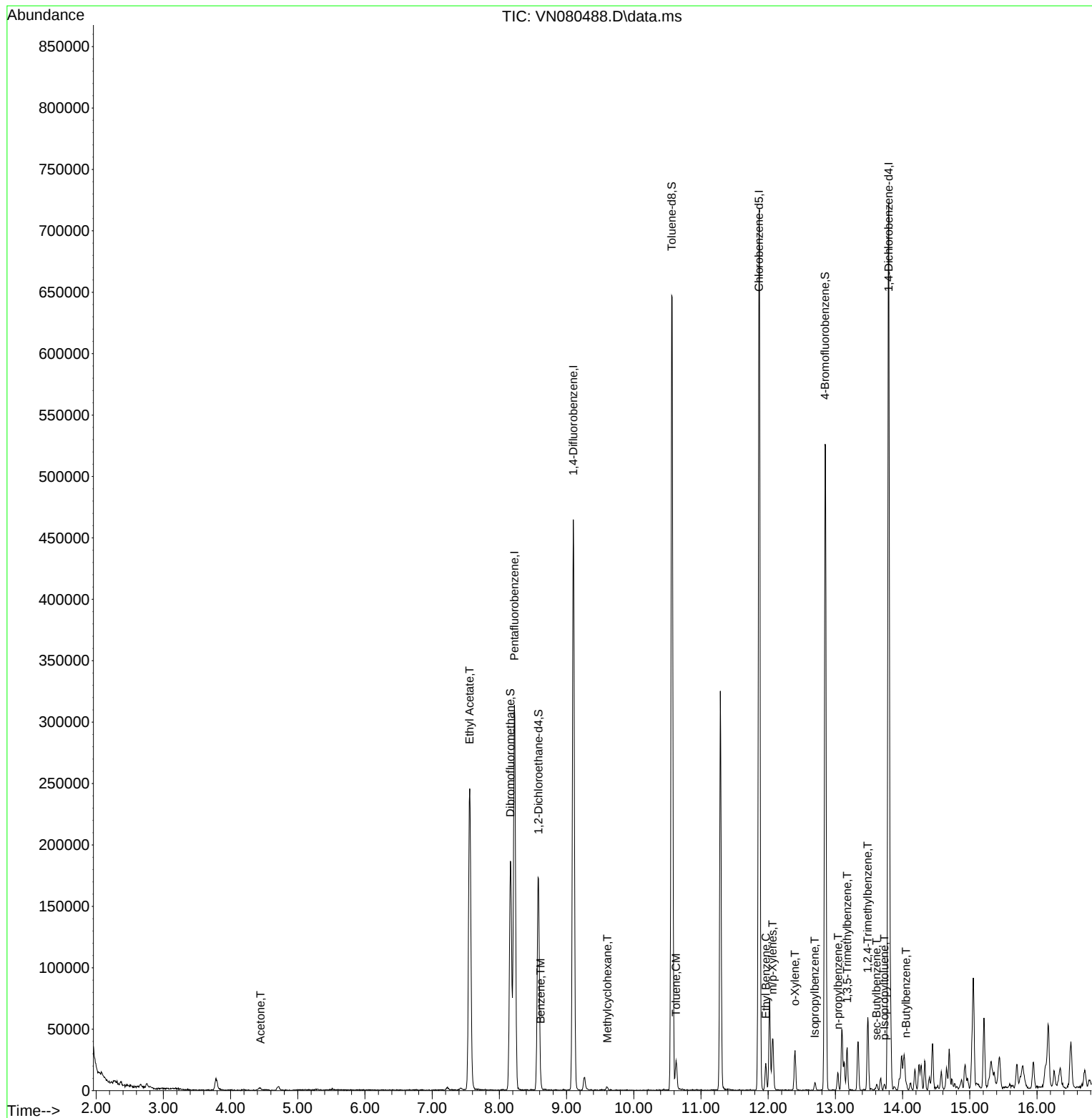
Internal Standards						
1) Pentafluorobenzene	8.224	168	220608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	398608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	415744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	193840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	156316	55.477	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.960%	
35) Dibromofluoromethane	8.165	113	132304	52.349	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.700%	
50) Toluene-d8	10.565	98	462104	49.026	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	12.847	95	189602	52.974	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.940%	
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	3995	7.996	ug/l #	71
37) Ethyl Acetate	7.559	43	345599	133.555	ug/l	99
39) Methylcyclohexane	9.606	83	1268	0.295	ug/l #	74
40) Benzene	8.612	78	3351	0.281	ug/l	97
52) Toluene	10.629	92	10229	1.357	ug/l	95
67) Ethyl Benzene	11.964	91	14648	0.861	ug/l	92
68) m/p-Xylenes	12.064	106	13314	2.119	ug/l	88
69) o-Xylene	12.400	106	8867	1.443	ug/l	94
73) Isopropylbenzene	12.694	105	4784	0.307	ug/l	95
78) n-propylbenzene	13.041	91	11025	0.642	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	17800	1.327	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	34514	2.587	ug/l	100
85) sec-Butylbenzene	13.611	105	3659	0.260	ug/l	97
86) p-Isopropyltoluene	13.729	119	3552	0.280	ug/l	94
89) n-Butylbenzene	14.053	91	2757	0.260	ug/l #	82

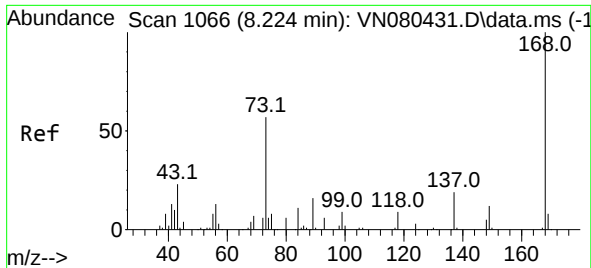
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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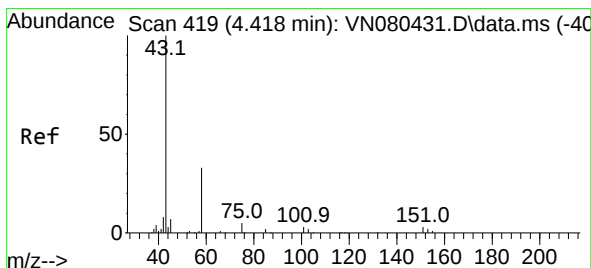
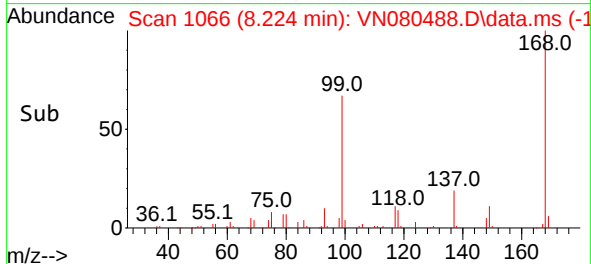
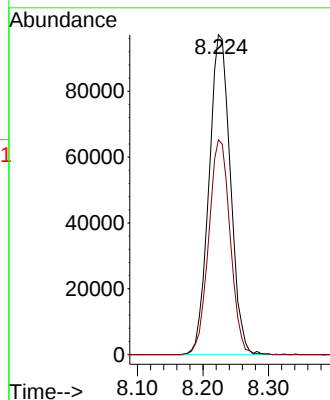
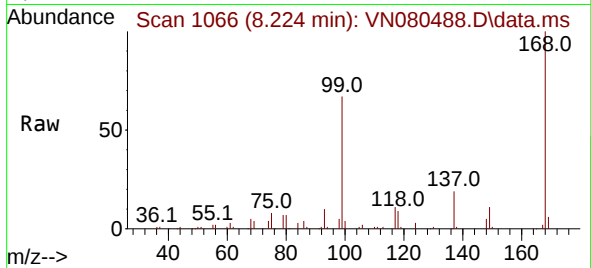




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

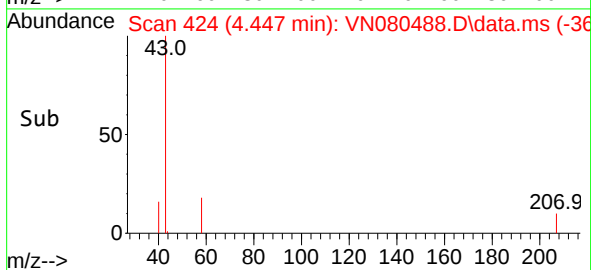
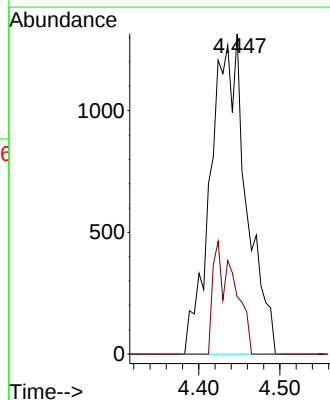
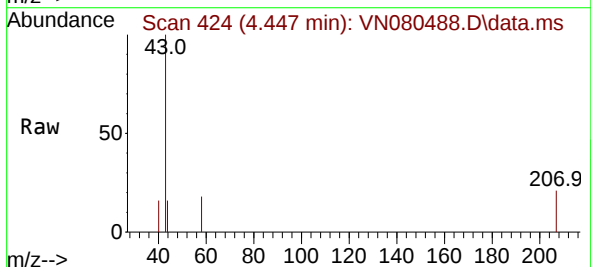
Instrument :
MSVOA_N
ClientSampleId :
A6931

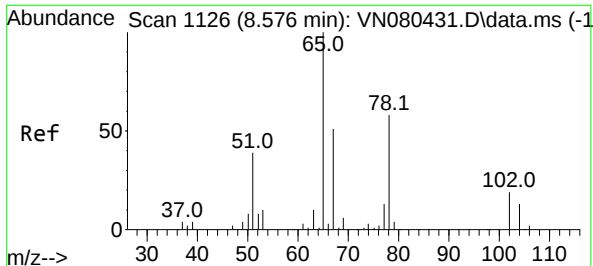
Tgt Ion:168 Resp: 220608
Ion Ratio Lower Upper
168 100
99 67.2 53.0 79.6



#16
Acetone
Concen: 7.996 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.029 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

Tgt Ion: 43 Resp: 3995
Ion Ratio Lower Upper
43 100
58 17.9 28.0 42.0#





#33

1,2-Dichloroethane-d4

Concen: 55.477 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080488.D

Acq: 14 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

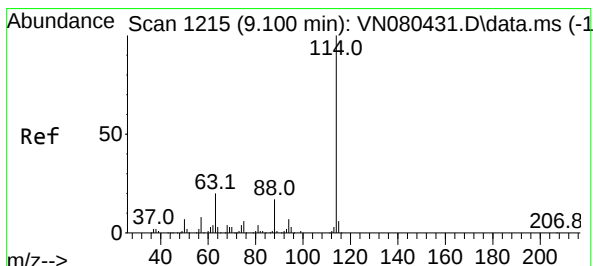
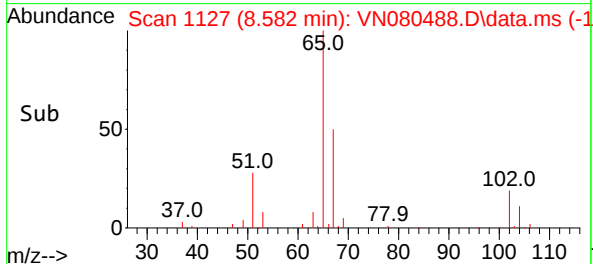
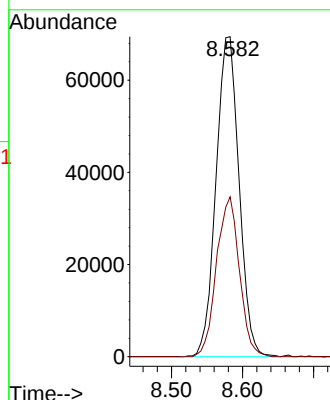
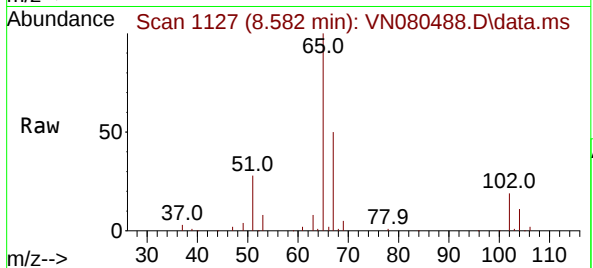
A6931

Tgt Ion: 65 Resp: 156316

Ion Ratio Lower Upper

65 100

67 49.5 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: VN080488.D

Acq: 14 Dec 2023 17:26

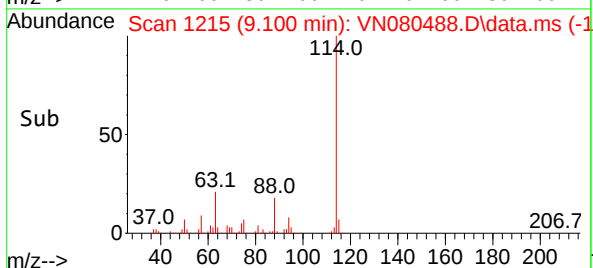
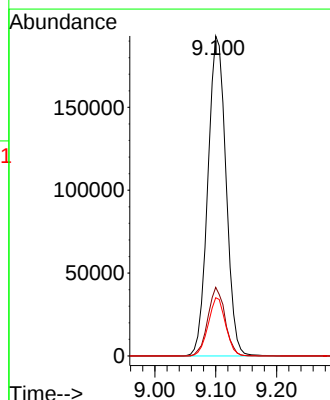
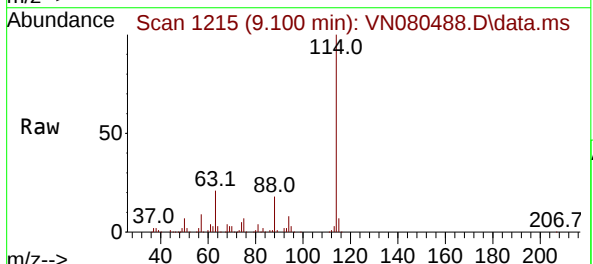
Tgt Ion: 114 Resp: 398608

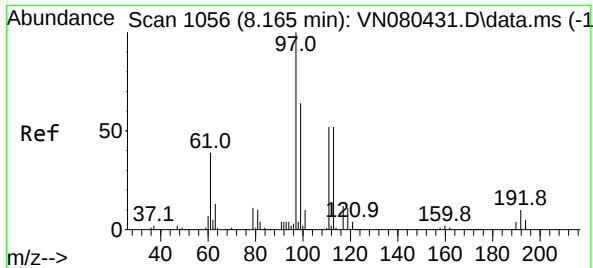
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 18.2 0.0 30.6

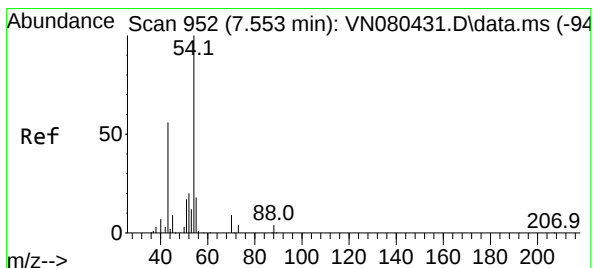
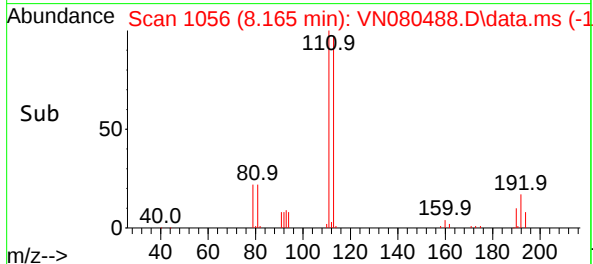
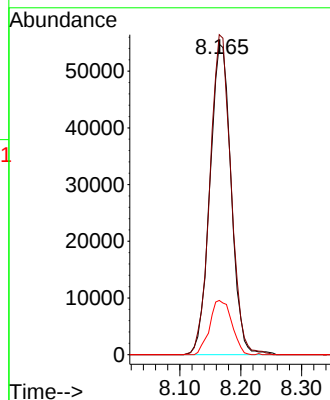
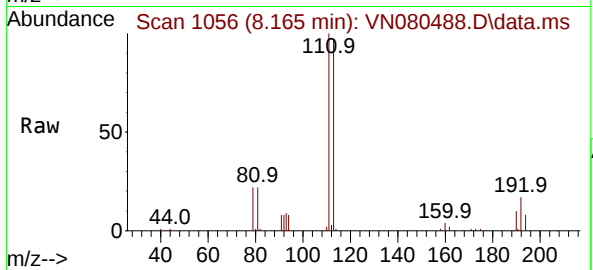




#35
Dibromofluoromethane
Concen: 52.349 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

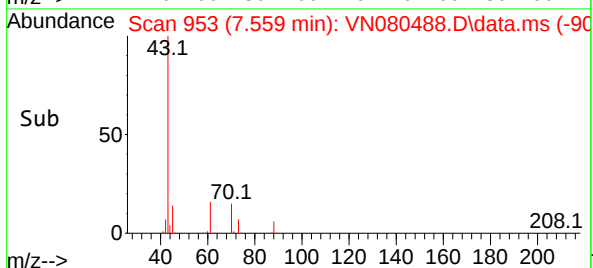
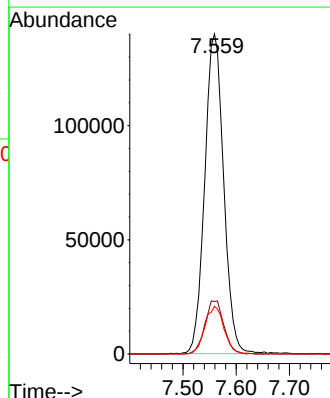
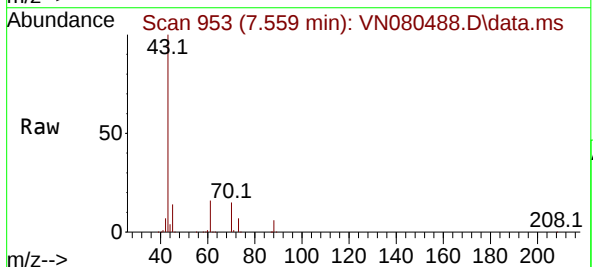
Instrument :
MSVOA_N
ClientSampleId :
A6931

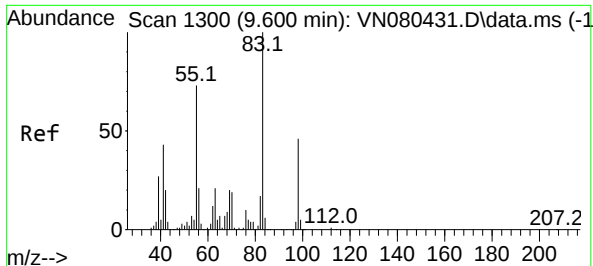
Tgt Ion:113 Resp: 132304
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 18.2 12.7 19.1



#37
Ethyl Acetate
Concen: 133.555 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

Tgt Ion: 43 Resp: 345599
Ion Ratio Lower Upper
43 100
61 16.8 13.2 19.8
70 15.0 11.3 16.9





#39

Methylcyclohexane

Concen: 0.295 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN080488.D

Acq: 14 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

A6931

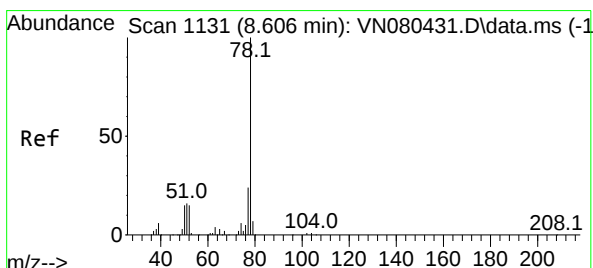
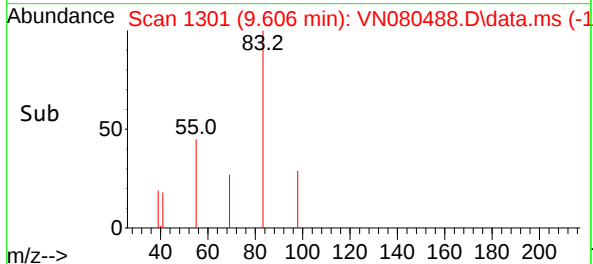
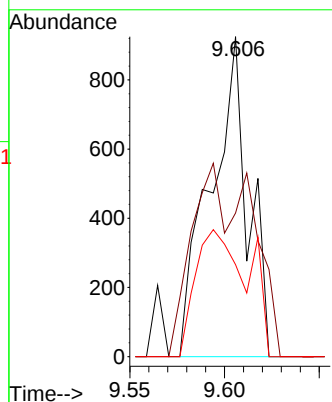
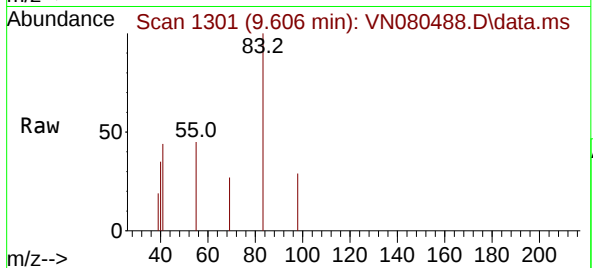
Tgt Ion: 83 Resp: 1268

Ion Ratio Lower Upper

83 100

55 44.9 49.1 73.7#

98 28.8 40.6 61.0#



#40

Benzene

Concen: 0.281 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VN080488.D

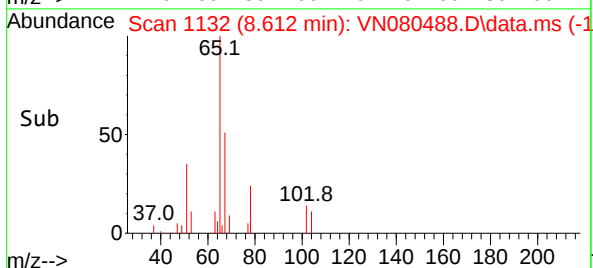
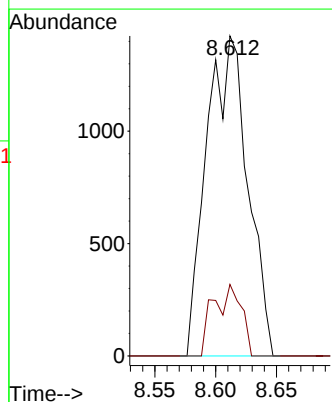
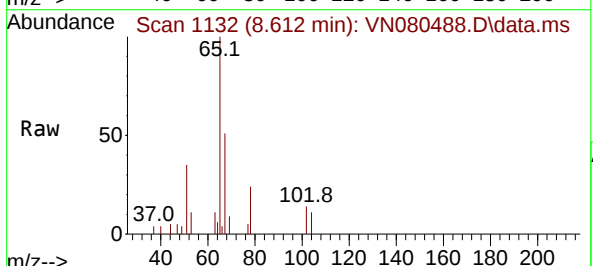
Acq: 14 Dec 2023 17:26

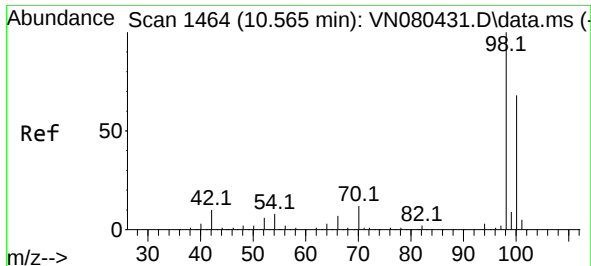
Tgt Ion: 78 Resp: 3351

Ion Ratio Lower Upper

78 100

77 22.3 19.0 28.6

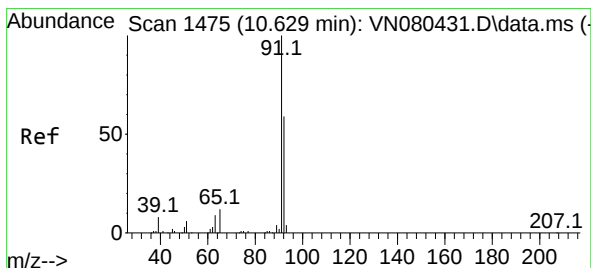
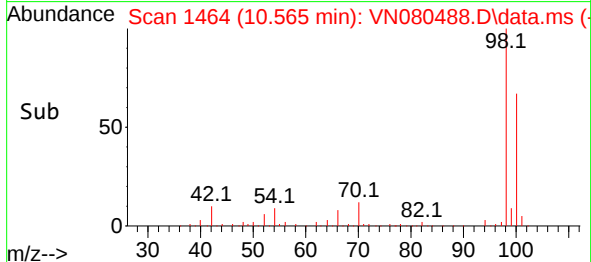
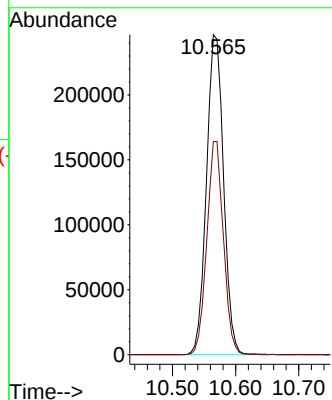
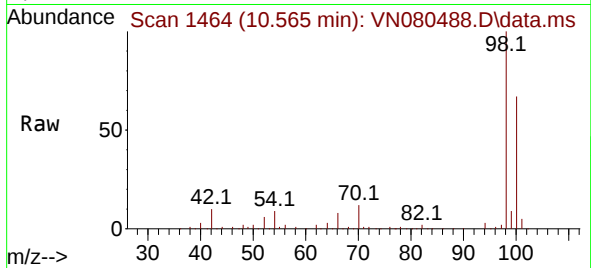




#50
Toluene-d8
Concen: 49.026 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

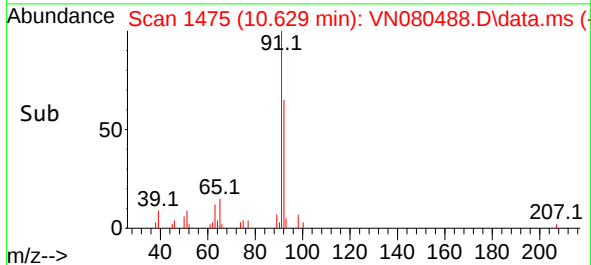
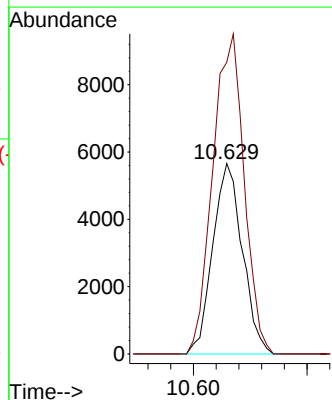
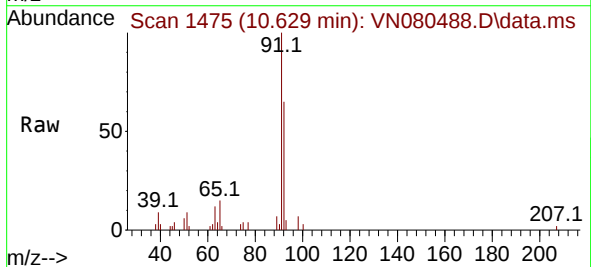
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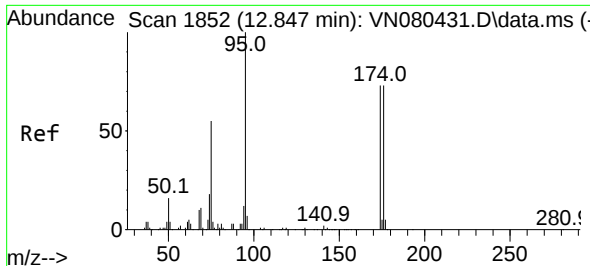
Tgt Ion: 98 Resp: 462104
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#52
Toluene
Concen: 1.357 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

Tgt Ion: 92 Resp: 10229
Ion Ratio Lower Upper
92 100
91 177.9 137.4 206.0

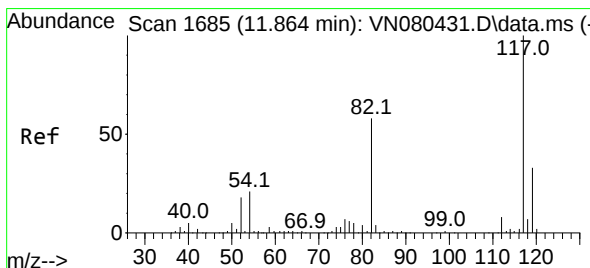
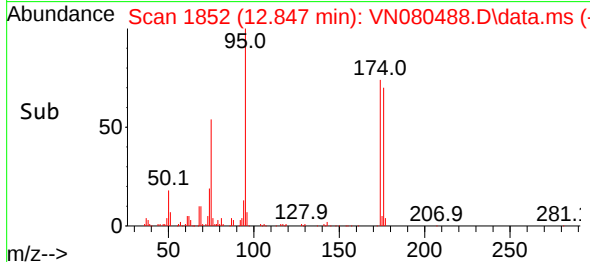
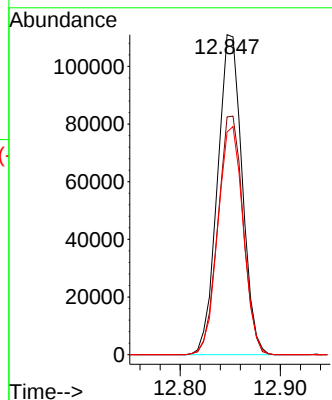
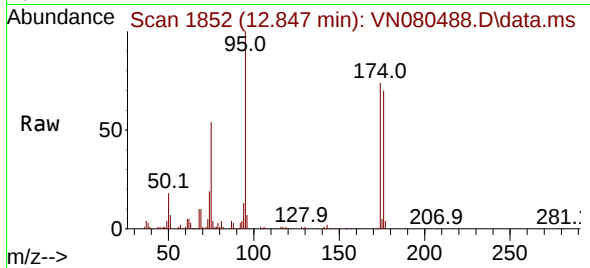




#62
4-Bromofluorobenzene
Concen: 52.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

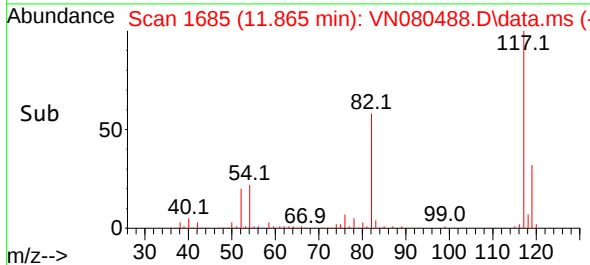
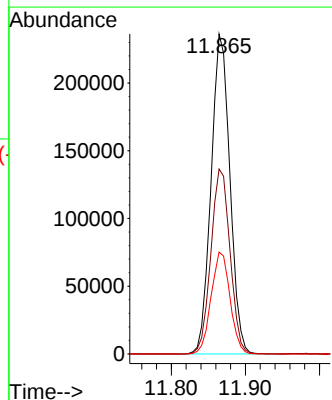
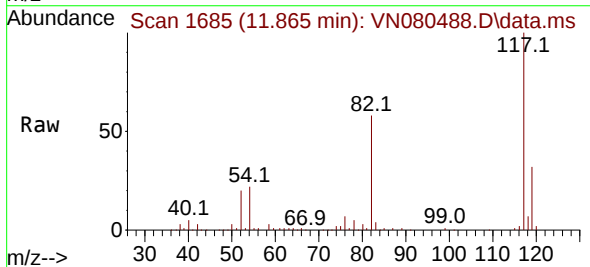
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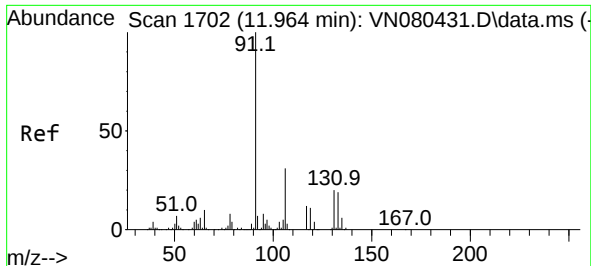
Tgt Ion: 95 Resp: 189602
Ion Ratio Lower Upper
95 100
174 76.2 0.0 143.8
176 73.3 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

Tgt Ion: 117 Resp: 415744
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 31.8 25.6 38.4





#67

Ethyl Benzene

Concen: 0.861 ug/l

RT: 11.964 min Scan# 1719

Delta R.T. 0.000 min

Lab File: VN080488.D

Acq: 14 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

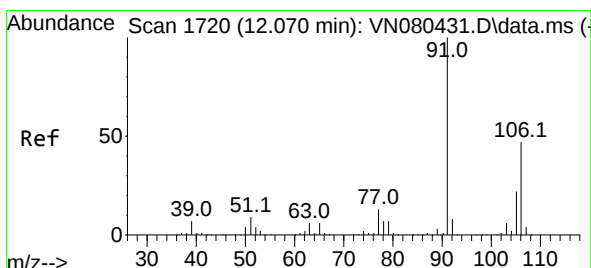
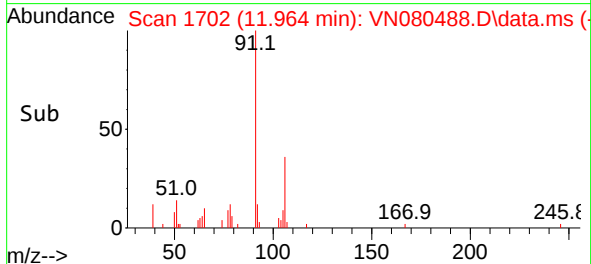
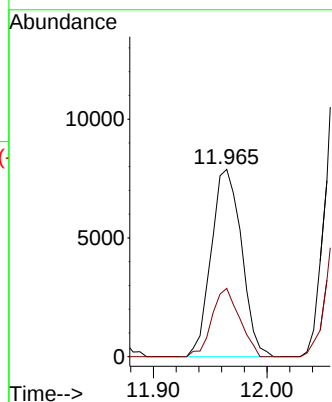
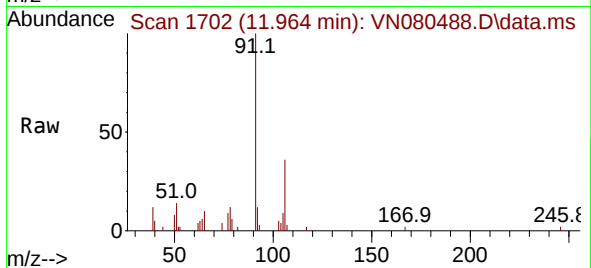
A6931

Tgt Ion: 91 Resp: 14648

Ion Ratio Lower Upper

91 100

106 36.5 25.6 38.4



#68

m/p-Xylenes

Concen: 2.119 ug/l

RT: 12.064 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN080488.D

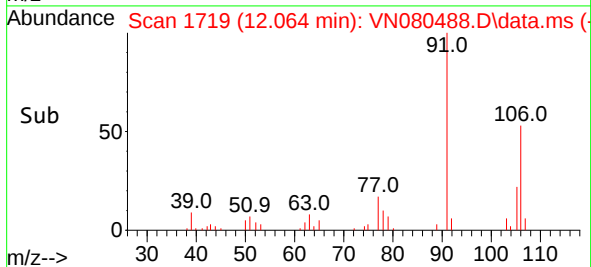
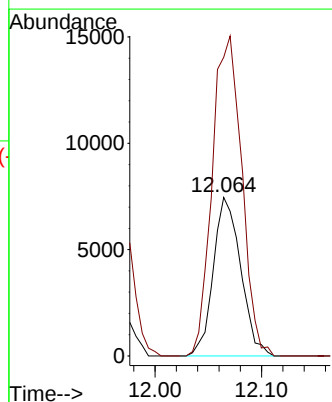
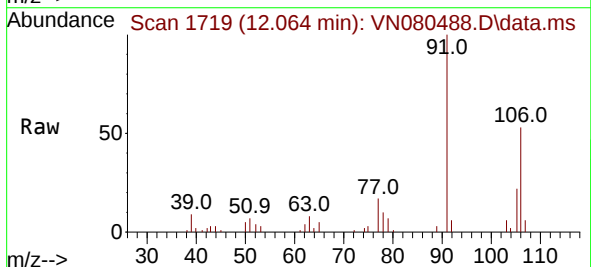
Acq: 14 Dec 2023 17:26

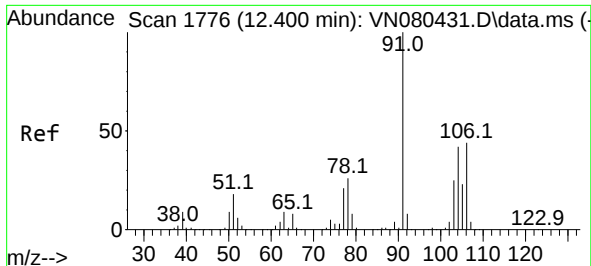
Tgt Ion: 106 Resp: 13314

Ion Ratio Lower Upper

106 100

91 217.7 159.6 239.4

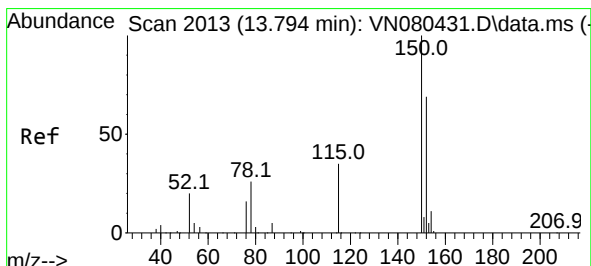
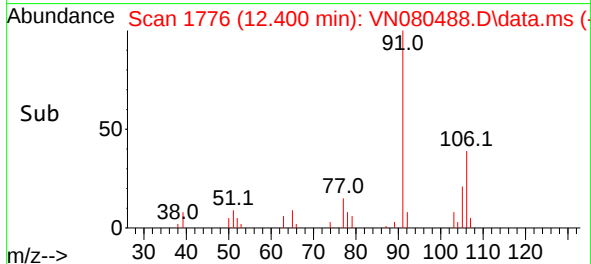
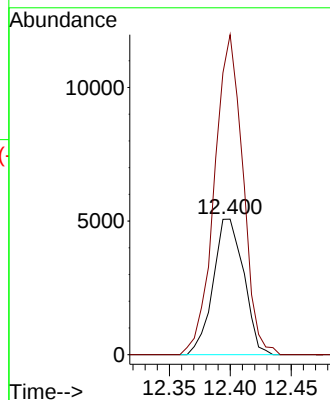
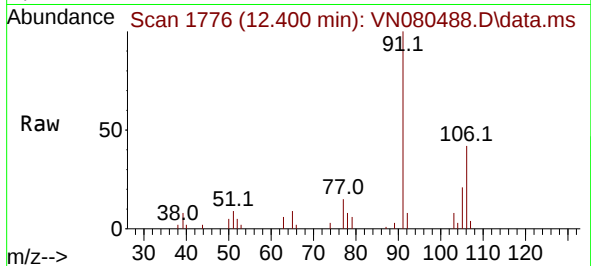




#69
o-Xylene
Concen: 1.443 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

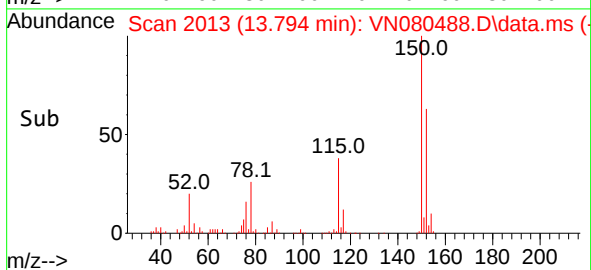
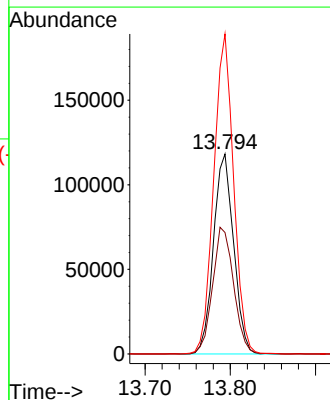
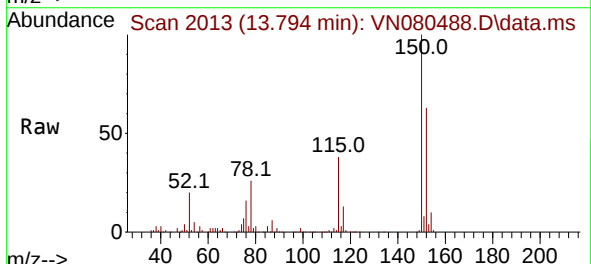
Instrument :
MSVOA_N
ClientSampleId :
A6931

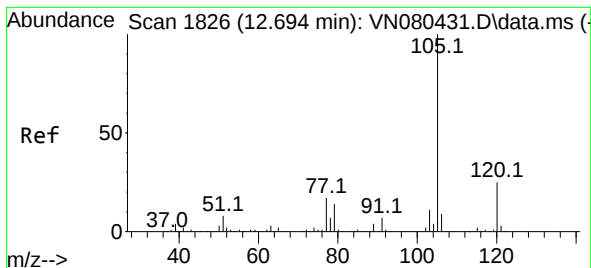
Tgt Ion:106 Resp: 8867
Ion Ratio Lower Upper
106 100
91 220.1 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080488.D
Acq: 14 Dec 2023 17:26

Tgt Ion:152 Resp: 193840
Ion Ratio Lower Upper
152 100
115 66.3 32.3 96.8
150 157.8 0.0 355.8





#73

Isopropylbenzene

Concen: 0.307 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN080488.D

Acq: 14 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

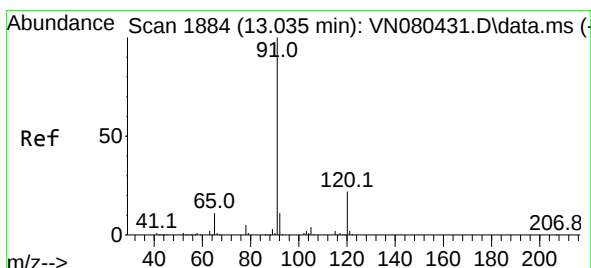
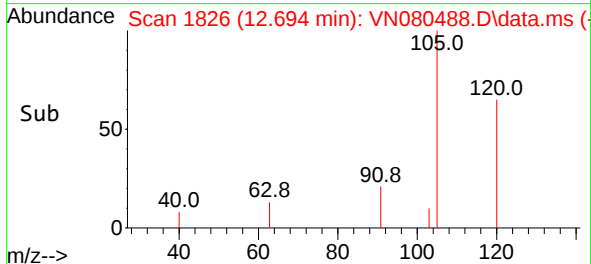
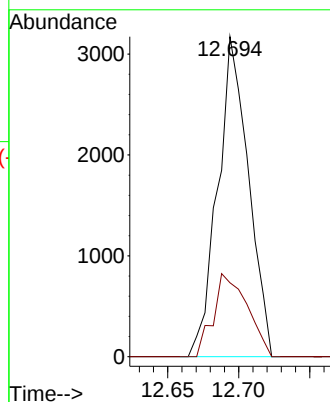
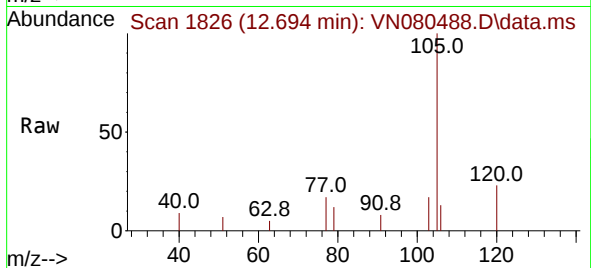
A6931

Tgt Ion:105 Resp: 4784

Ion Ratio Lower Upper

105 100

120 28.5 13.1 39.1



#78

n-propylbenzene

Concen: 0.642 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN080488.D

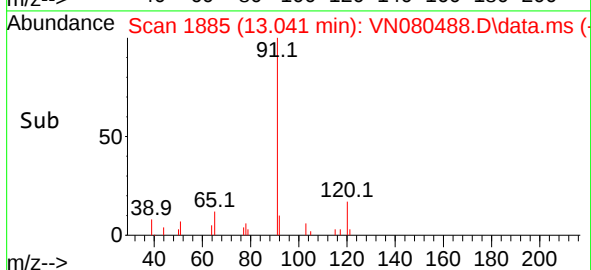
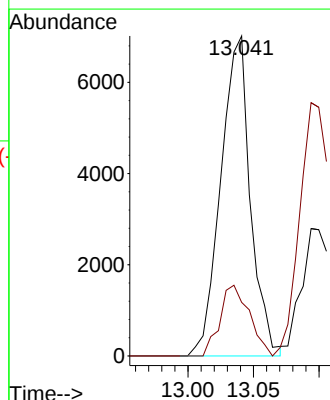
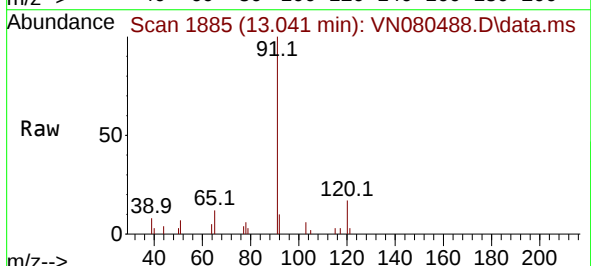
Acq: 14 Dec 2023 17:26

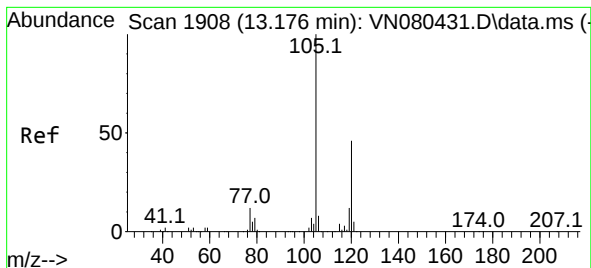
Tgt Ion: 91 Resp: 11025

Ion Ratio Lower Upper

91 100

120 22.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 1.327 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080488.D

Acq: 14 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

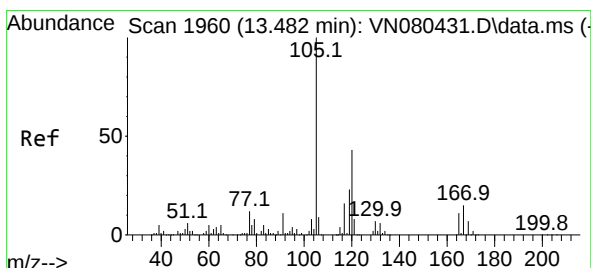
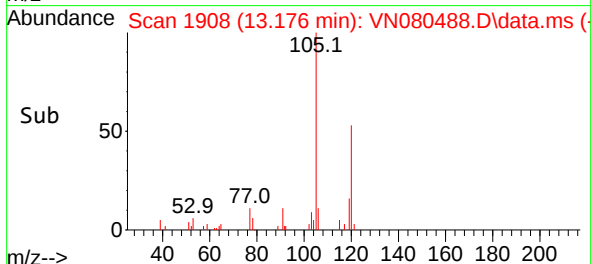
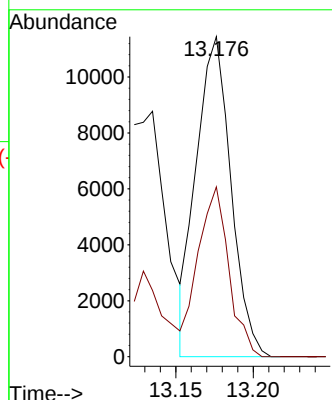
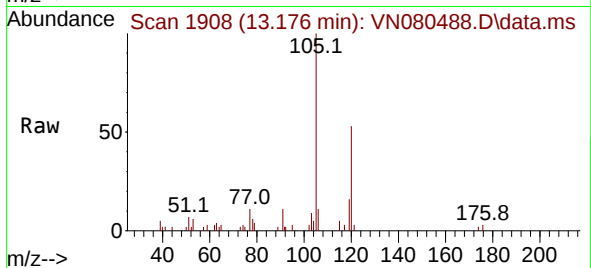
A6931

Tgt Ion:105 Resp: 17800

Ion Ratio Lower Upper

105 100

120 47.2 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 2.587 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080488.D

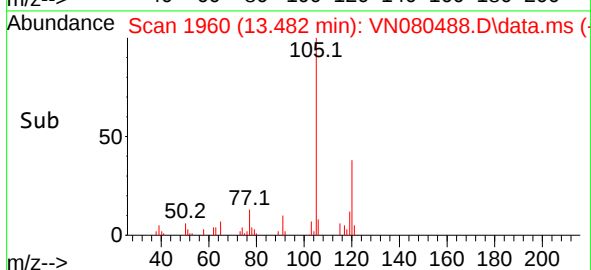
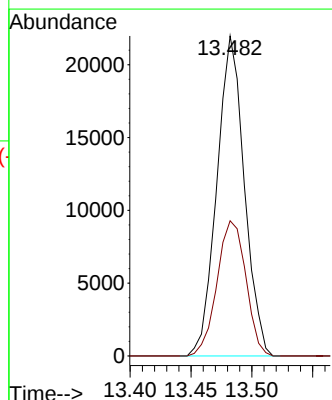
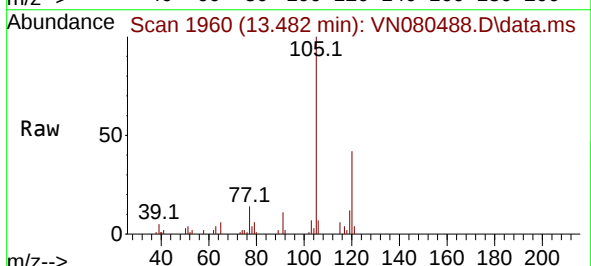
Acq: 14 Dec 2023 17:26

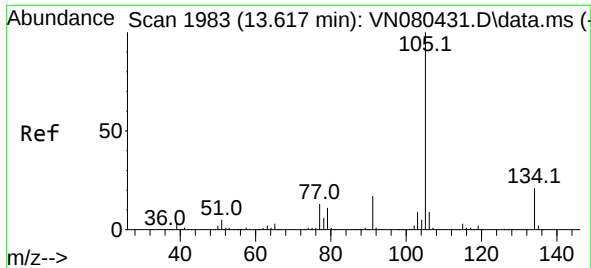
Tgt Ion:105 Resp: 34514

Ion Ratio Lower Upper

105 100

120 44.3 22.0 66.0

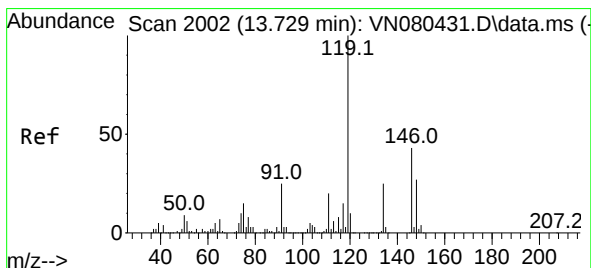
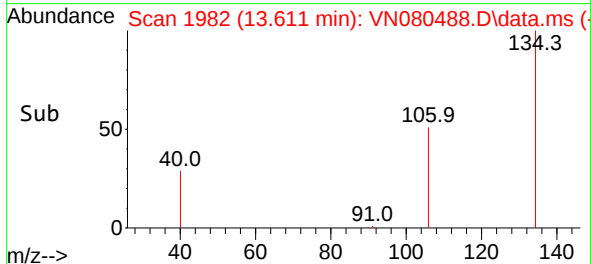
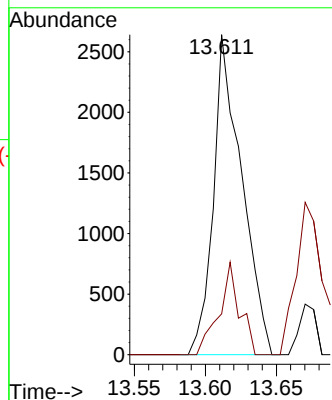
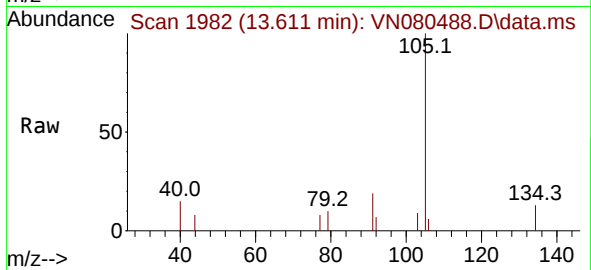




#85
 sec-Butylbenzene
 Concen: 0.260 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: VN080488.D
 Acq: 14 Dec 2023 17:26

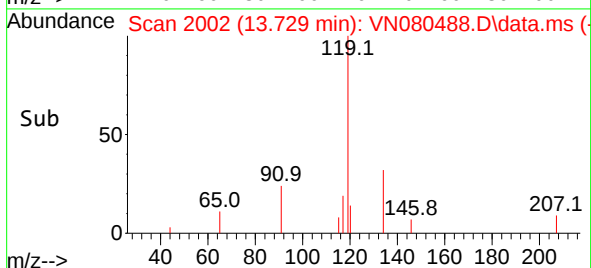
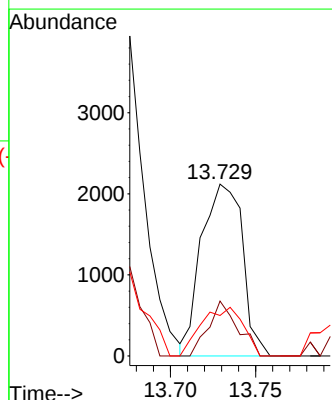
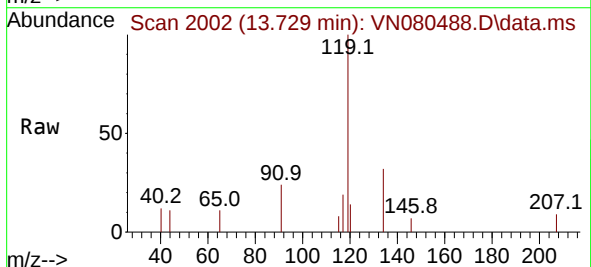
Instrument :
 MSVOA_N
 ClientSampleId :
 A6931

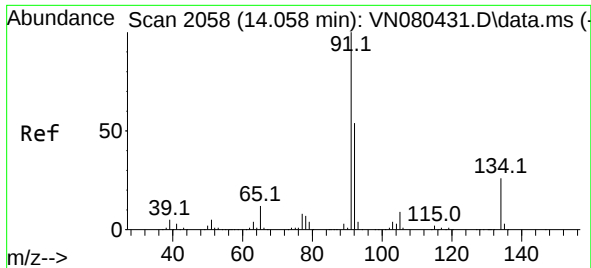
Tgt Ion:105 Resp: 3659
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.280 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN080488.D
 Acq: 14 Dec 2023 17:26

Tgt Ion:119 Resp: 3552
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.6 37.8
 91 29.0 12.4 37.2





#89

n-Butylbenzene

Concen: 0.260 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN080488.D

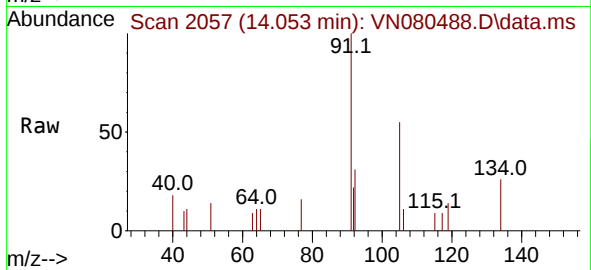
Acq: 14 Dec 2023 17:26

Instrument :

MSVOA_N

ClientSampleId :

A6931



Tgt Ion: 91 Resp: 2757

Ion Ratio Lower Upper

91 100

92 54.4 26.4 79.0

134 0.0 12.6 37.6#

