

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080556.D
 Acq On : 20 Dec 2023 18:53
 Operator : JC\MD
 Sample : 05896-01
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1104

Quant Time: Dec 21 02:49:27 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	214818	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	394816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	396732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196938	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154172	56.191	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.380%	
35) Dibromofluoromethane	8.159	113	129468	51.719	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.440%	
50) Toluene-d8	10.565	98	503328	53.913	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.820%	
62) 4-Bromofluorobenzene	12.853	95	212092	59.827	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.660%	

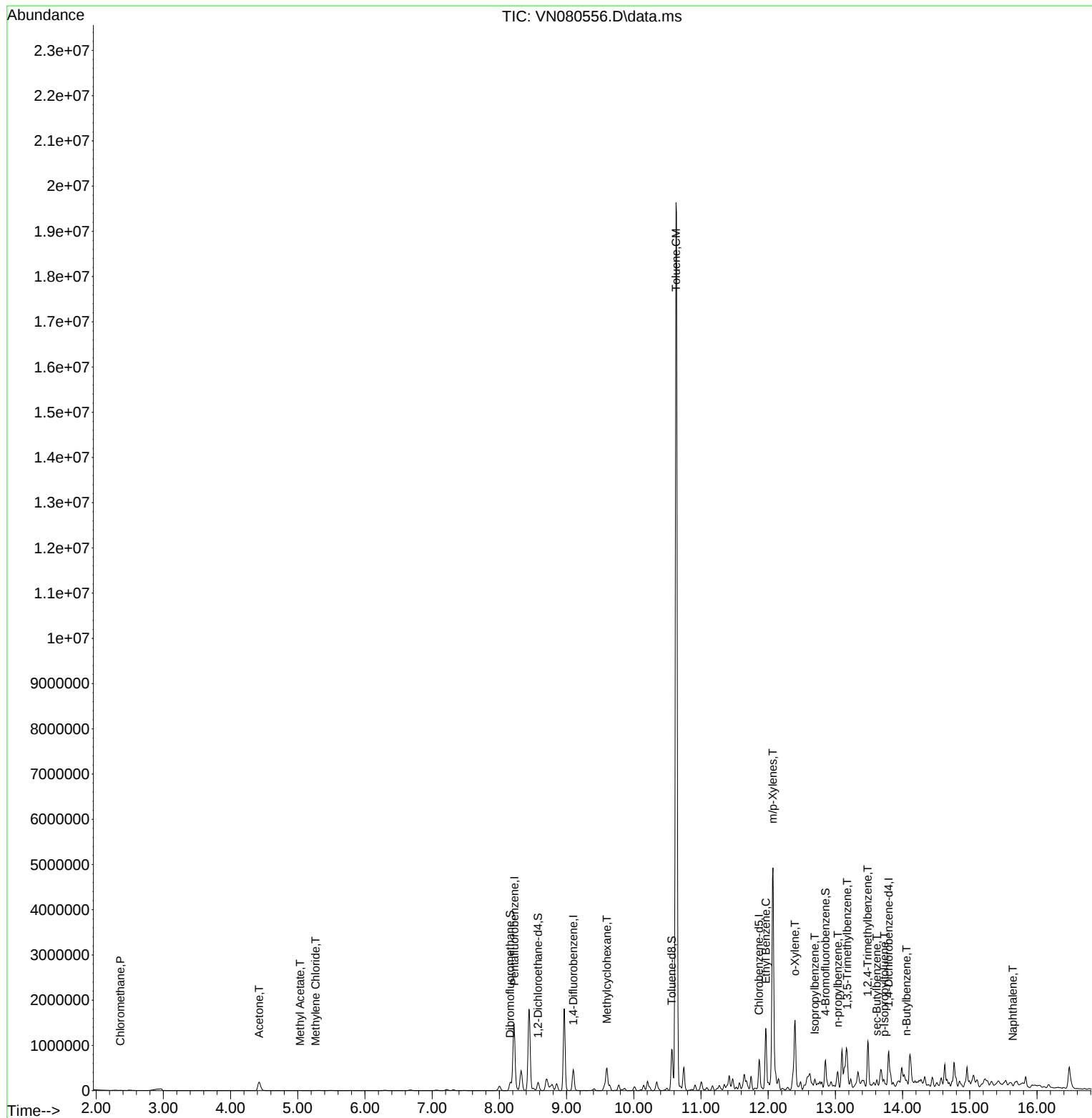
Target Compounds						Qvalue
3) Chloromethane	2.359	50	5228	1.432	ug/l #	88
16) Acetone	4.424	43	355688	731.128	ug/l	98
18) Methyl Acetate	5.036	43	7177	2.293	ug/l #	63
20) Methylene Chloride	5.265	84	3018	1.159	ug/l #	73
39) Methylcyclohexane	9.600	83	213307	50.166	ug/l	91
52) Toluene	10.629	92	9093732	1217.919	ug/l	97
67) Ethyl Benzene	11.965	91	966534	59.561	ug/l	96
68) m/p-Xylenes	12.070	106	1316086	219.476	ug/l	89
69) o-Xylene	12.400	106	381893	65.111	ug/l	88
73) Isopropylbenzene	12.694	105	75859	4.795	ug/l	97
78) n-propylbenzene	13.035	91	214424	12.293	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	181274	13.304	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	608071	44.860	ug/l	99
85) sec-Butylbenzene	13.617	105	58760	4.116	ug/l	82
86) p-Isopropyltoluene	13.729	119	30339	2.354	ug/l	95
89) n-Butylbenzene	14.059	91	72886	6.772	ug/l #	82
95) Naphthalene	15.641	128	20774	1.892	ug/l #	93

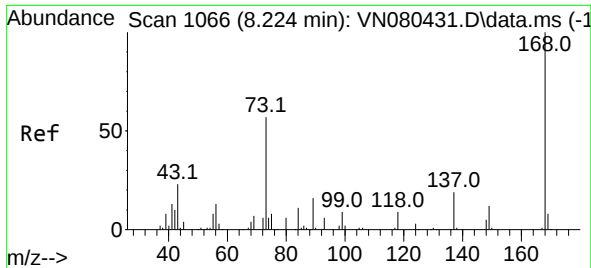
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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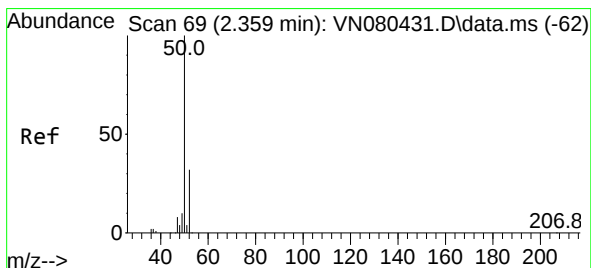
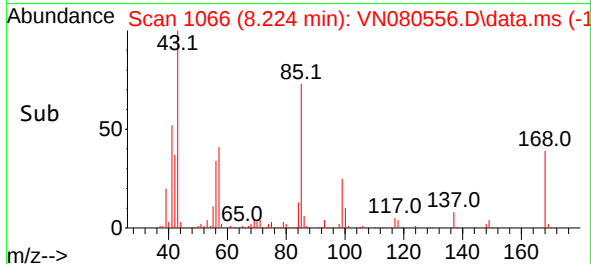
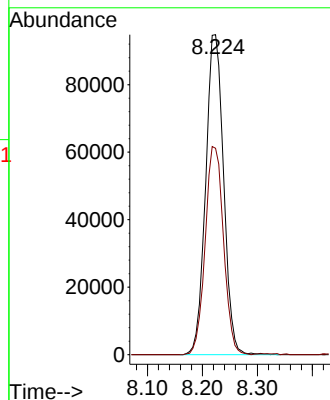
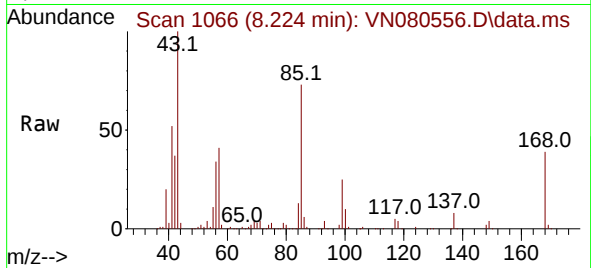




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

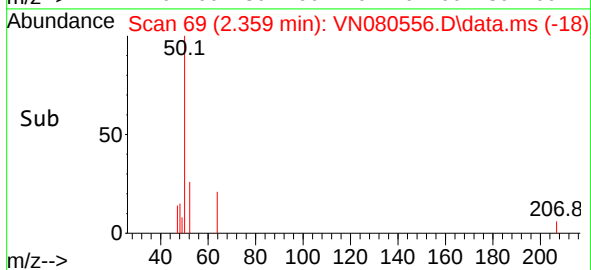
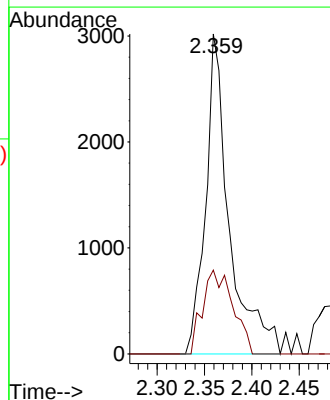
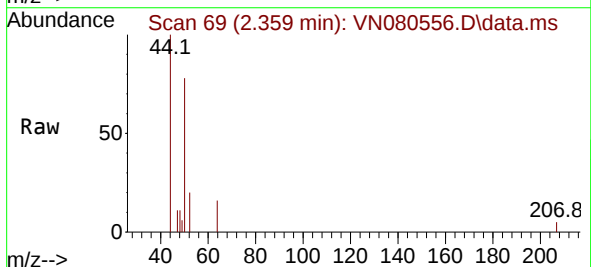
Instrument :
MSVOA_N
ClientSampleId :
1104

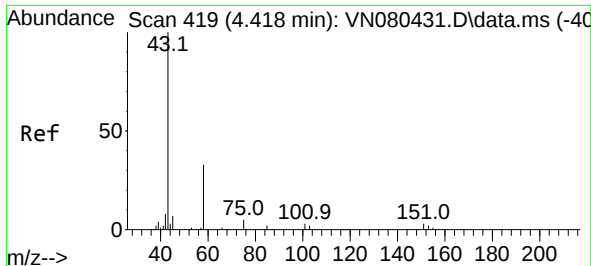
Tgt Ion:168 Resp: 214818
Ion Ratio Lower Upper
168 100
99 64.5 53.0 79.6



#3
Chloromethane
Concen: 1.432 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion: 50 Resp: 5228
Ion Ratio Lower Upper
50 100
52 26.2 26.5 39.7#

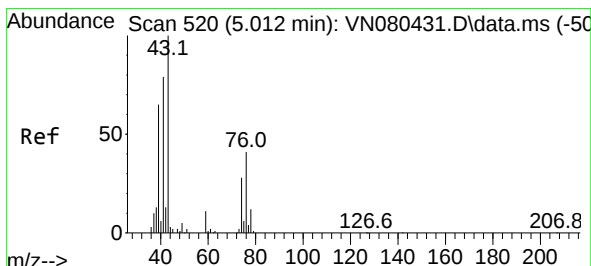
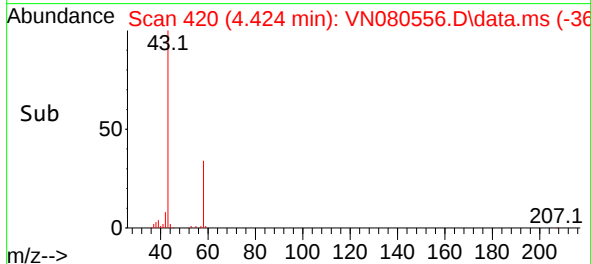
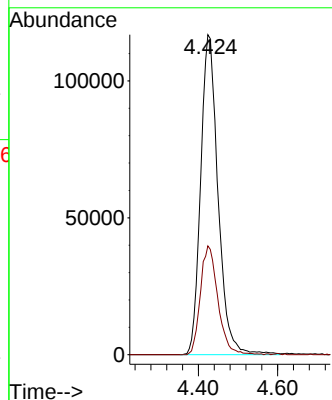
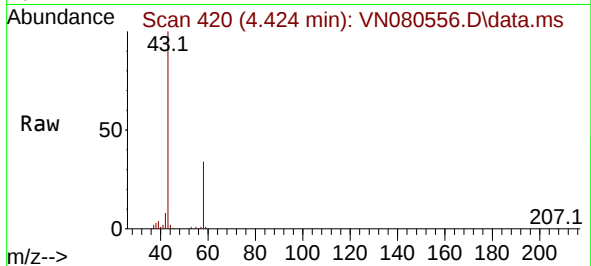




#16
Acetone
Concen: 731.128 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

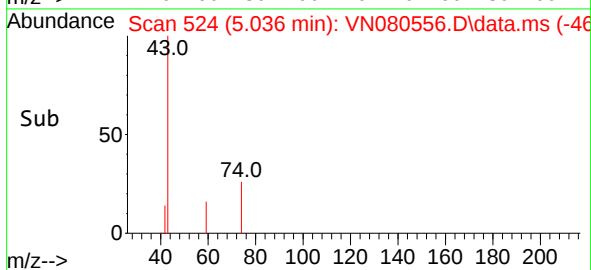
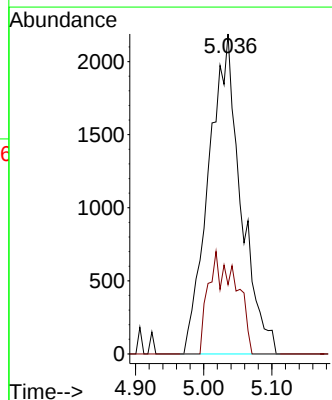
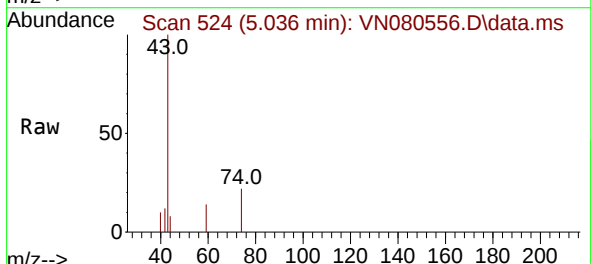
Instrument :
MSVOA_N
ClientSampleId :
1104

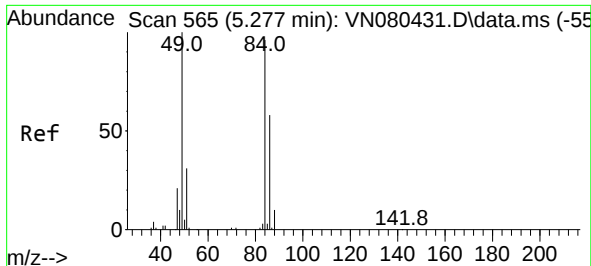
Tgt Ion: 43 Resp: 355688
Ion Ratio Lower Upper
43 100
58 34.0 28.0 42.0



#18
Methyl Acetate
Concen: 2.293 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.024 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion: 43 Resp: 7177
Ion Ratio Lower Upper
43 100
74 12.1 26.2 39.4#

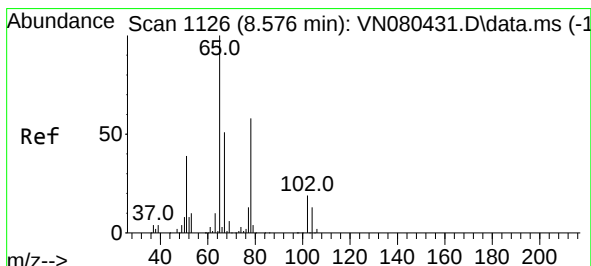
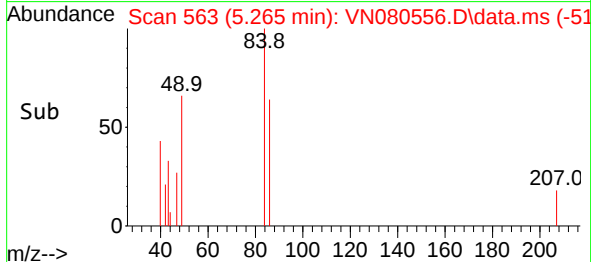
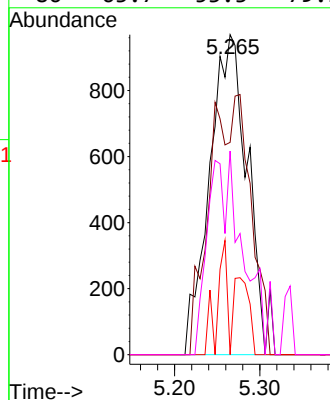
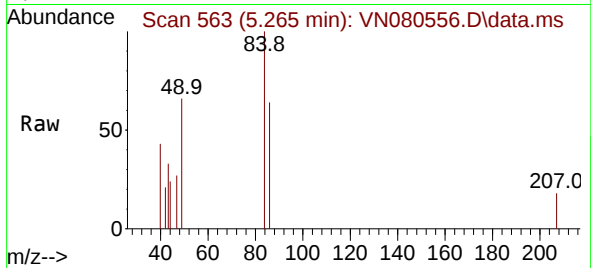




#20
Methylene Chloride
Concen: 1.159 ug/l
RT: 5.265 min Scan# 511
Delta R.T. -0.012 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

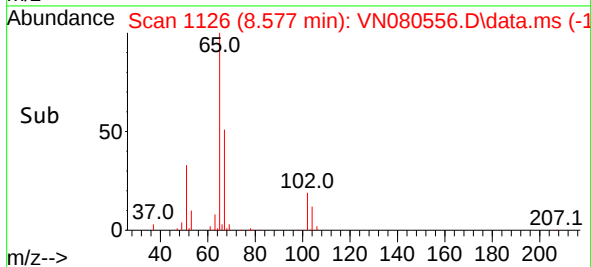
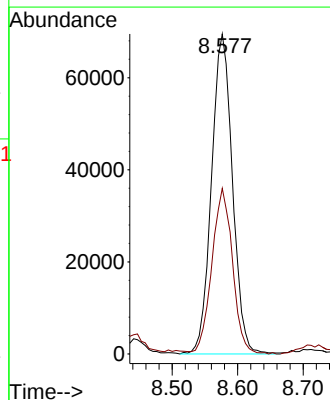
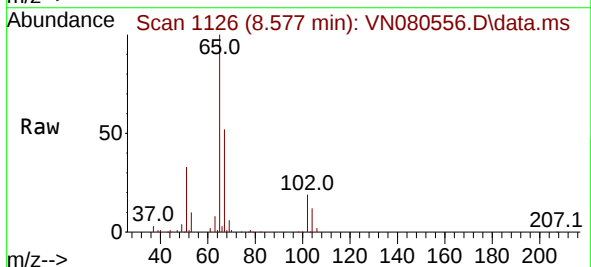
Instrument :
MSVOA_N
ClientSampleId :
1104

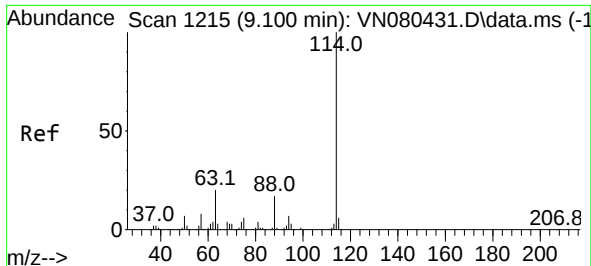
Tgt Ion: 84 Resp: 3018
Ion Ratio Lower Upper
84 100
49 66.4 79.7 119.5#
51 0.0 25.2 37.8#
86 63.7 53.3 79.9



#33
1,2-Dichloroethane-d4
Concen: 56.191 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion: 65 Resp: 154172
Ion Ratio Lower Upper
65 100
67 51.1 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

Instrument :

MSVOA_N

ClientSampleId :

1104

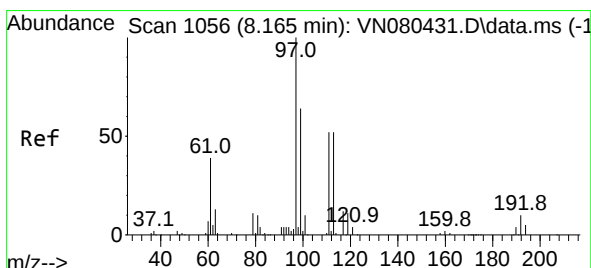
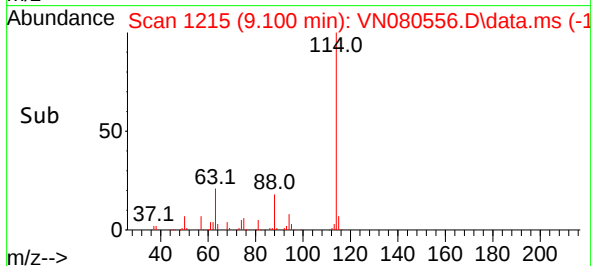
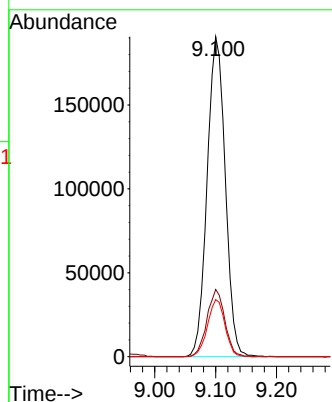
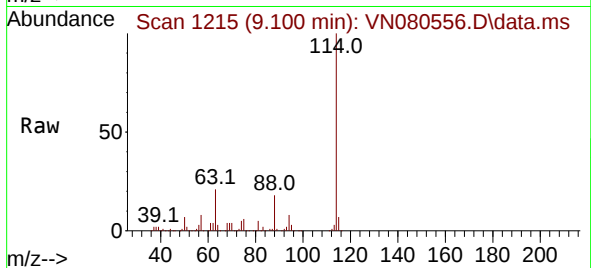
Tgt Ion:114 Resp: 394816

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

88 17.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.719 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

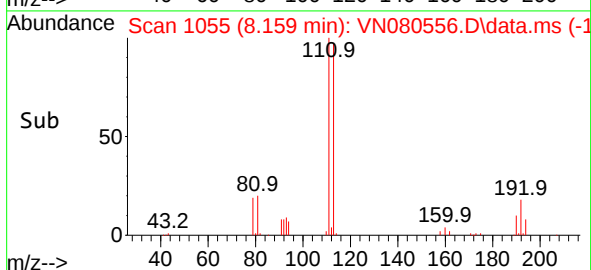
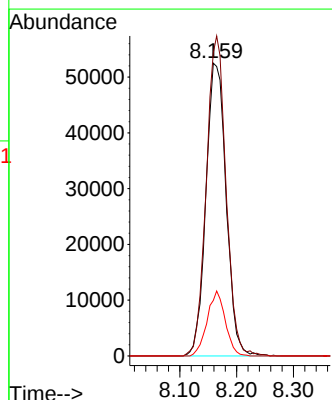
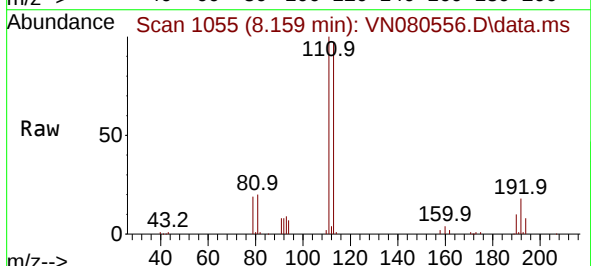
Tgt Ion:113 Resp: 129468

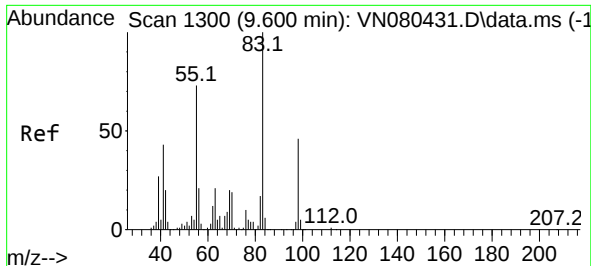
Ion Ratio Lower Upper

113 100

111 106.3 82.6 123.8

192 19.9 12.7 19.1#





#39

Methylcyclohexane

Concen: 50.166 ug/l

RT: 9.600 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

Instrument :

MSVOA_N

ClientSampleId :

1104

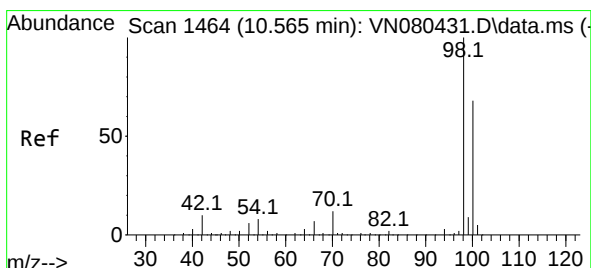
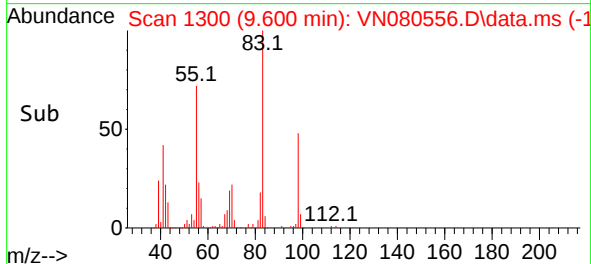
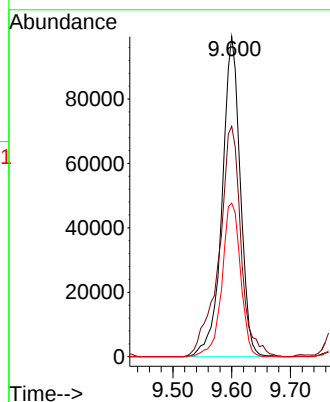
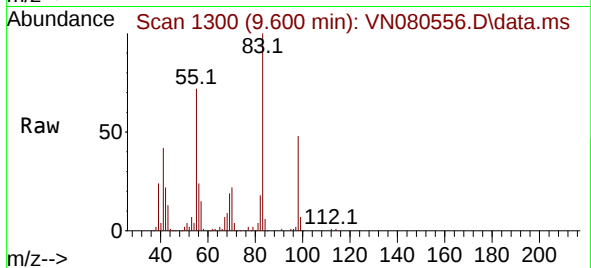
Tgt Ion: 83 Resp: 213307

Ion Ratio Lower Upper

83 100

55 72.0 49.1 73.7

98 48.0 40.6 61.0



#50

Toluene-d8

Concen: 53.913 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN080556.D

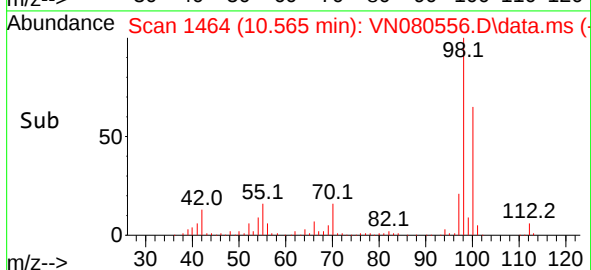
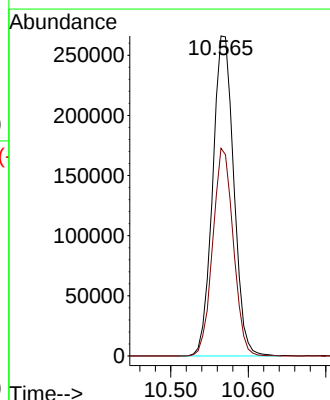
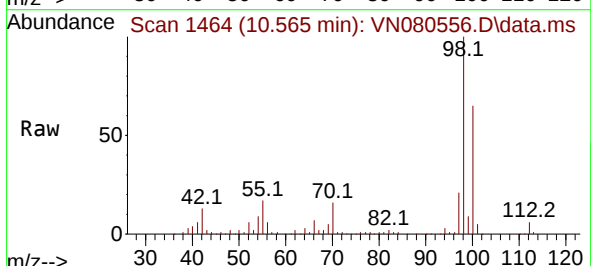
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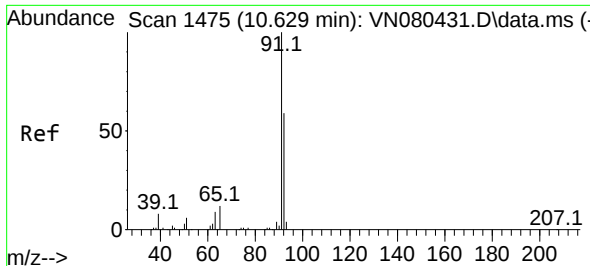
Tgt Ion: 98 Resp: 503328

Ion Ratio Lower Upper

98 100

100 63.2 52.0 78.0

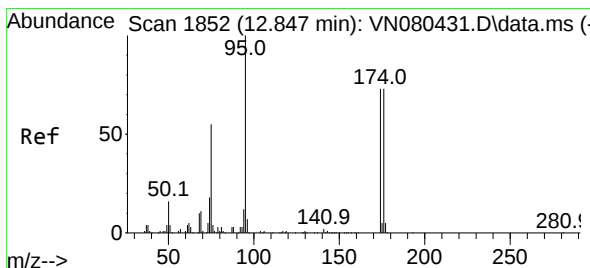
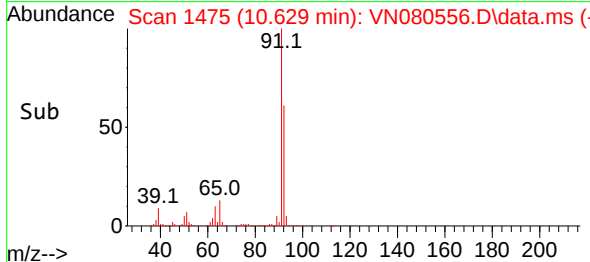
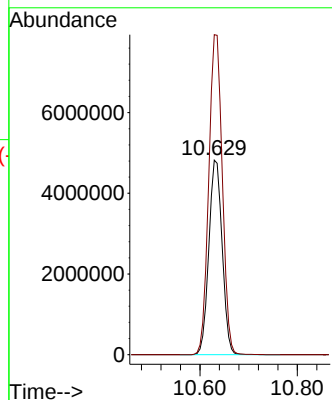
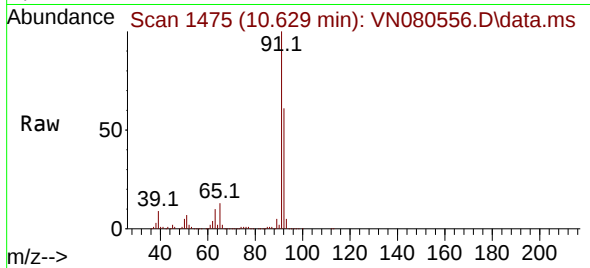




#52
Toluene
Concen: 1217.919 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

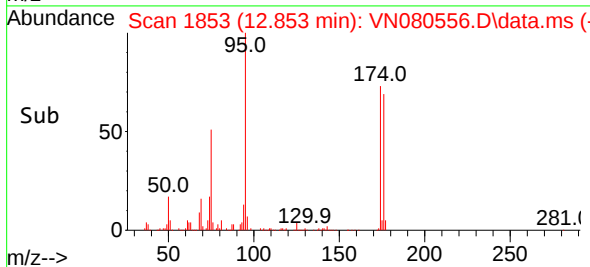
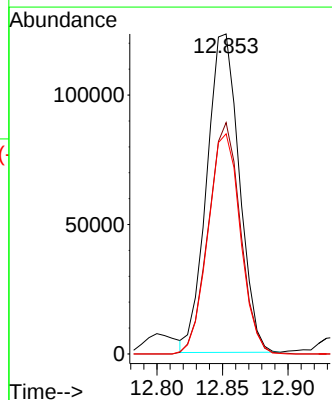
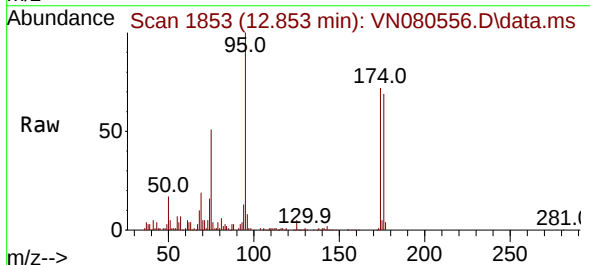
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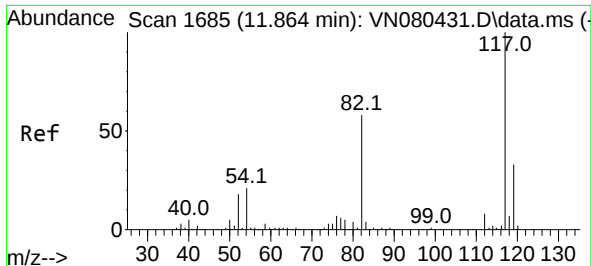
Tgt Ion: 92 Resp: 9093732
Ion Ratio Lower Upper
92 100
91 167.6 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 59.827 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion: 95 Resp: 212092
Ion Ratio Lower Upper
95 100
174 71.4 0.0 143.8
176 69.1 0.0 135.8

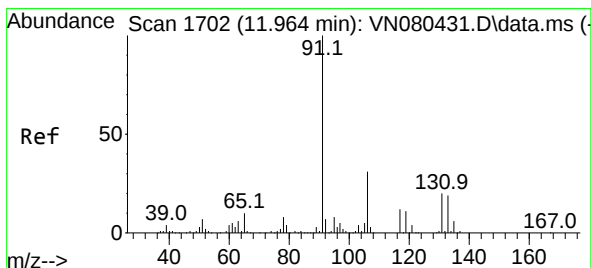
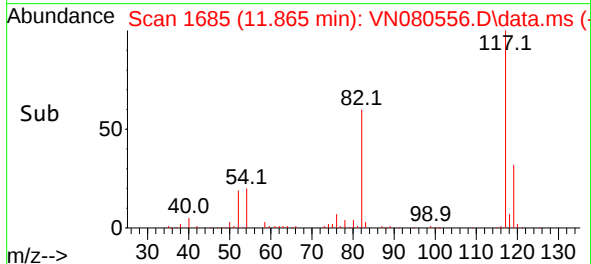
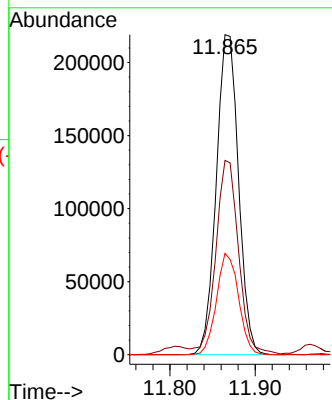
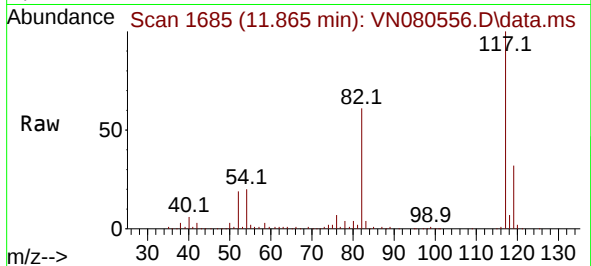




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

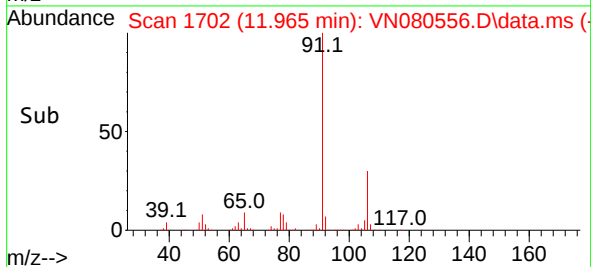
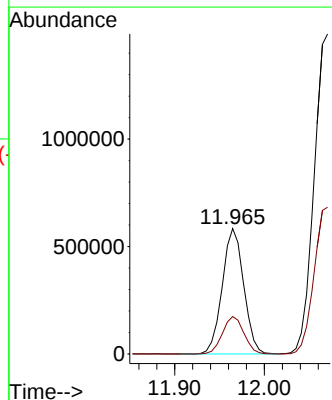
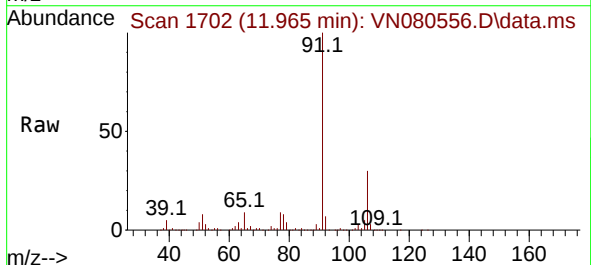
Instrument :
MSVOA_N
ClientSampleId :
1104

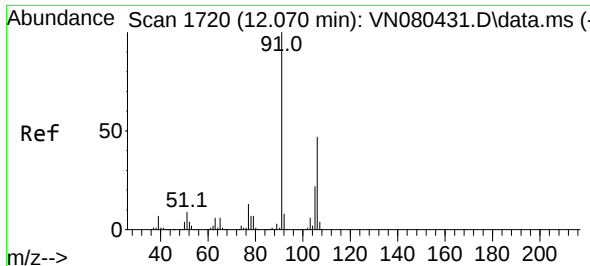
Tgt Ion:117 Resp: 396732
Ion Ratio Lower Upper
117 100
82 60.4 44.0 66.0
119 31.7 25.6 38.4



#67
Ethyl Benzene
Concen: 59.561 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion: 91 Resp: 966534
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4

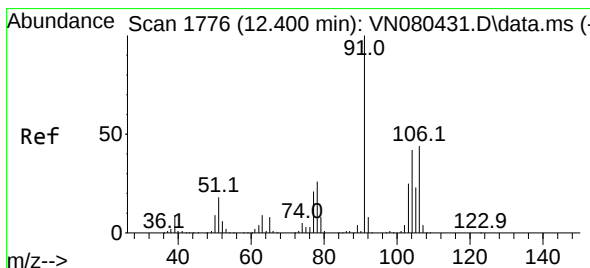
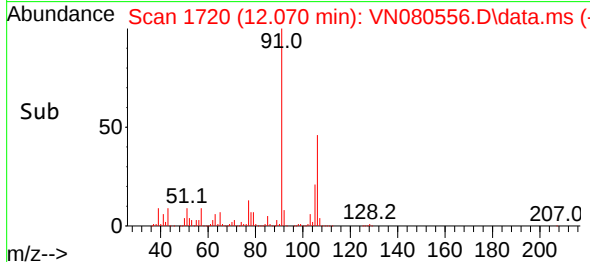
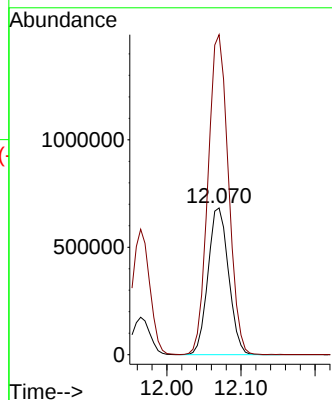
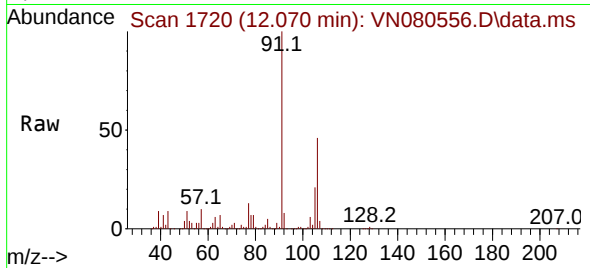




#68
m/p-Xylenes
Concen: 219.476 ug/l
RT: 12.070 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

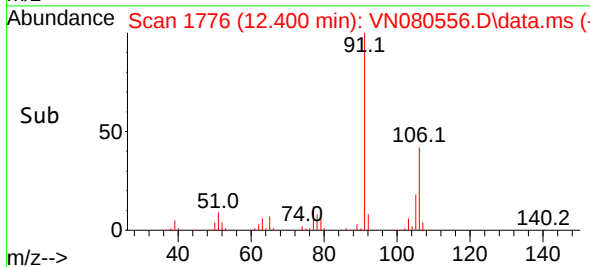
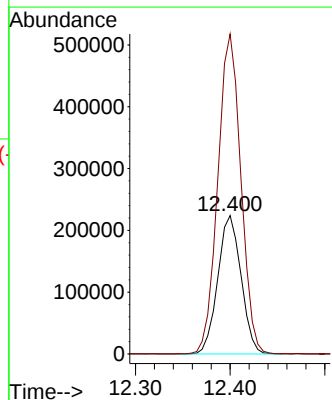
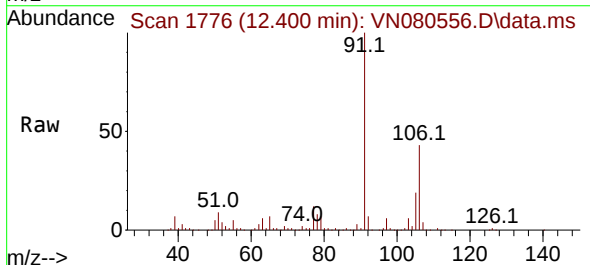
Instrument :
MSVOA_N
ClientSampleId :
1104

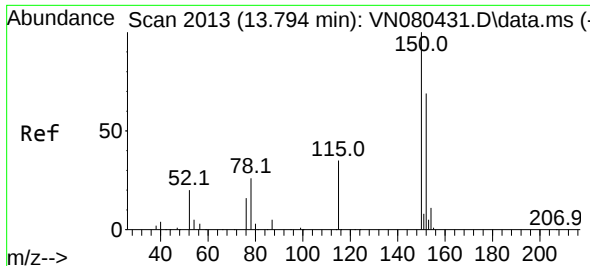
Tgt Ion:106 Resp: 1316086
Ion Ratio Lower Upper
106 100
91 216.0 159.6 239.4



#69
o-Xylene
Concen: 65.111 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion:106 Resp: 381893
Ion Ratio Lower Upper
106 100
91 229.8 105.2 315.5

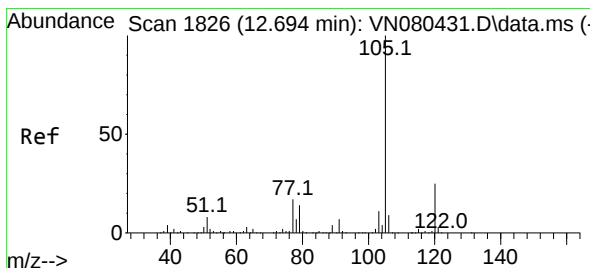
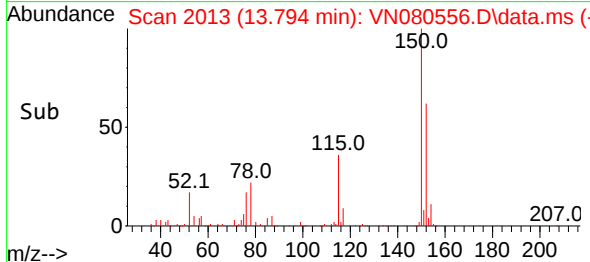
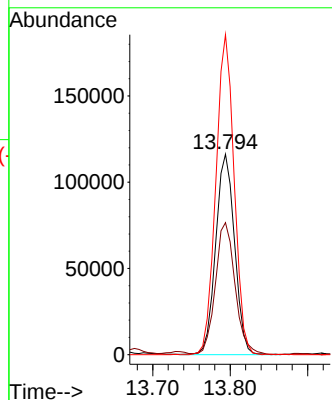
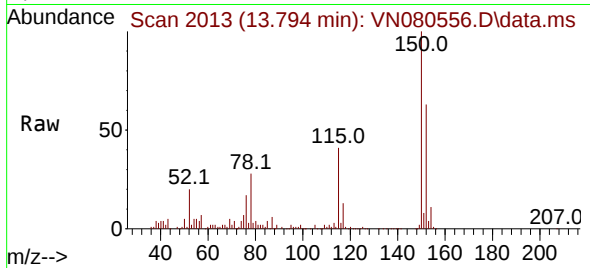




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

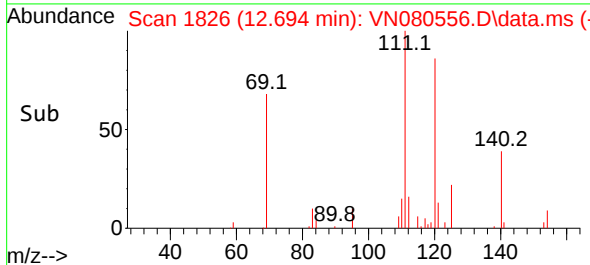
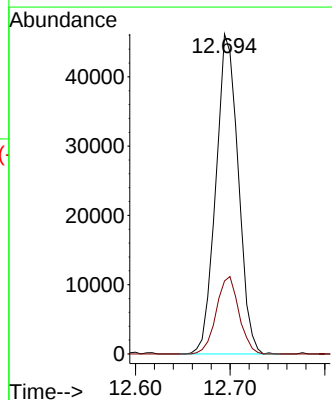
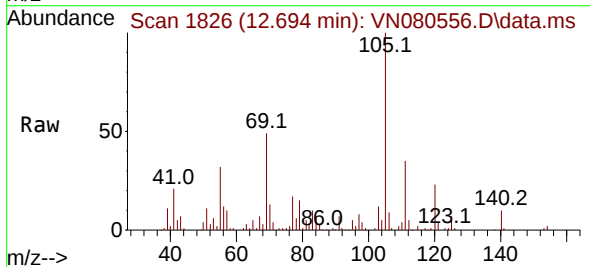
Instrument :
MSVOA_N
ClientSampleId :
1104

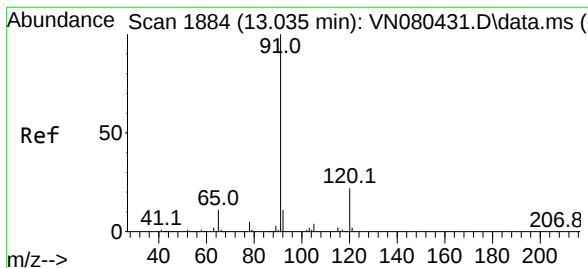
Tgt Ion:152 Resp: 196938
Ion Ratio Lower Upper
152 100
115 68.8 32.3 96.8
150 154.2 0.0 355.8



#73
Isopropylbenzene
Concen: 4.795 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN080556.D
Acq: 20 Dec 2023 18:53

Tgt Ion:105 Resp: 75859
Ion Ratio Lower Upper
105 100
120 24.4 13.1 39.1





#78

n-propylbenzene

Concen: 12.293 ug/l

RT: 13.035 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

Instrument :

MSVOA_N

ClientSampleId :

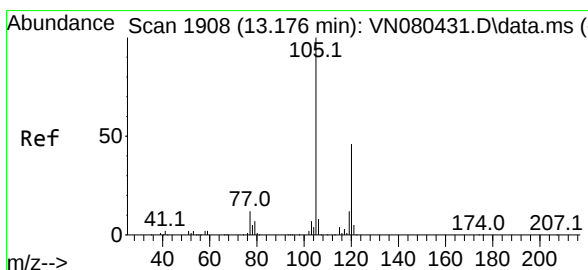
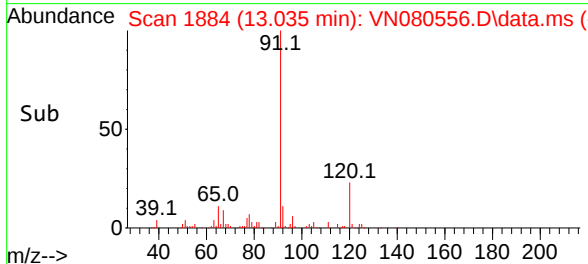
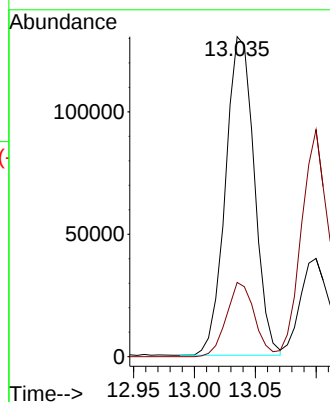
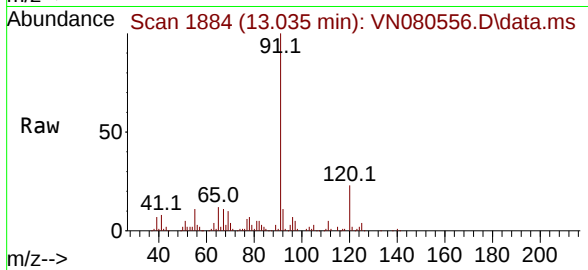
1104

Tgt Ion: 91 Resp: 214424

Ion Ratio Lower Upper

91 100

120 22.6 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 13.304 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080556.D

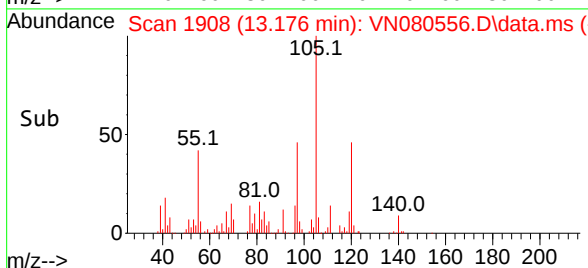
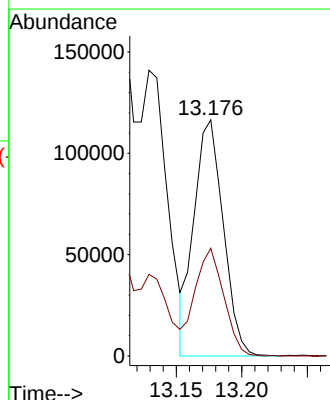
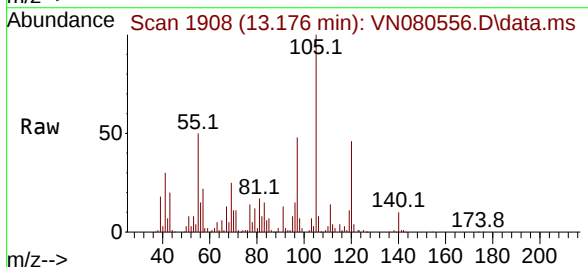
Acq: 20 Dec 2023 18:53

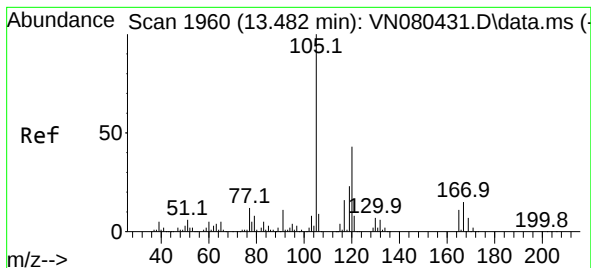
Tgt Ion: 105 Resp: 181274

Ion Ratio Lower Upper

105 100

120 45.0 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 44.860 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

Instrument :

MSVOA_N

ClientSampleId :

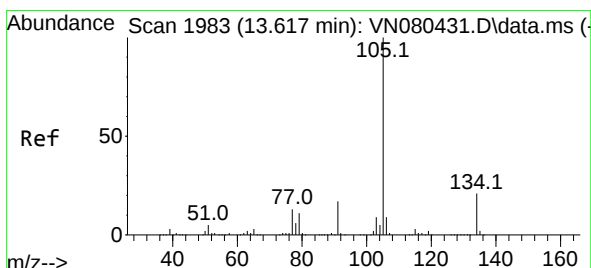
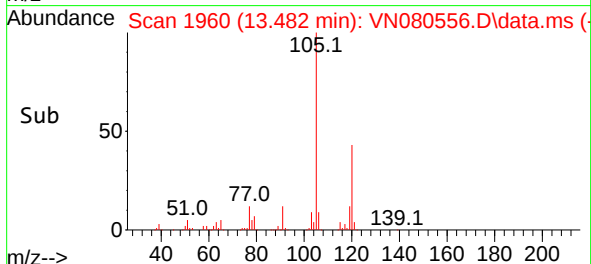
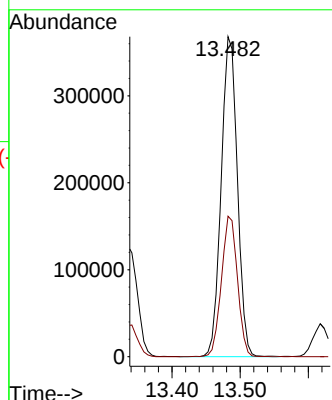
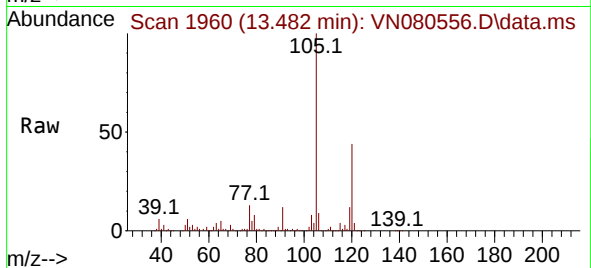
1104

Tgt Ion:105 Resp: 608071

Ion Ratio Lower Upper

105 100

120 43.4 22.0 66.0



#85

sec-Butylbenzene

Concen: 4.116 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. 0.000 min

Lab File: VN080556.D

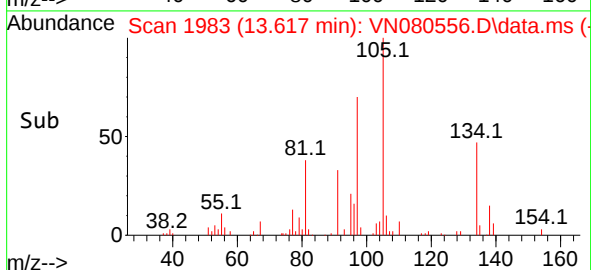
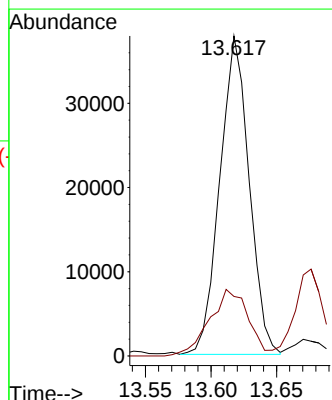
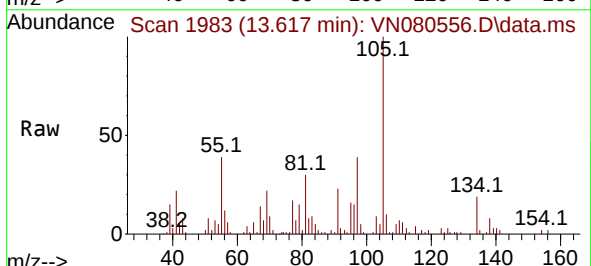
Acq: 20 Dec 2023 18:53

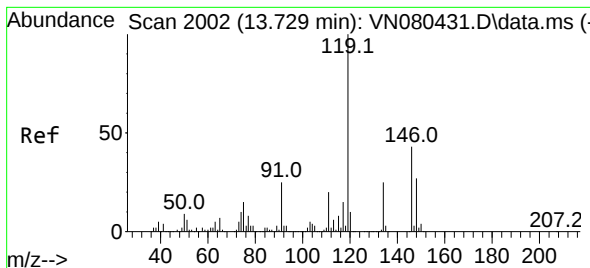
Tgt Ion:105 Resp: 58760

Ion Ratio Lower Upper

105 100

134 27.7 9.8 29.3





#86

p-Isopropyltoluene

Concen: 2.354 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

Instrument :

MSVOA_N

ClientSampleId :

1104

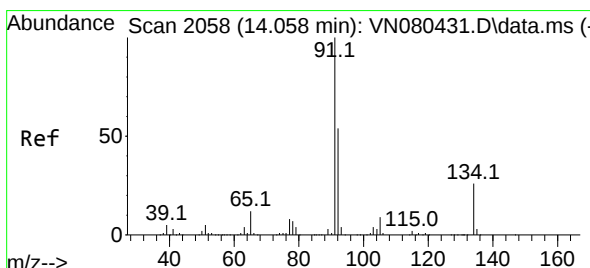
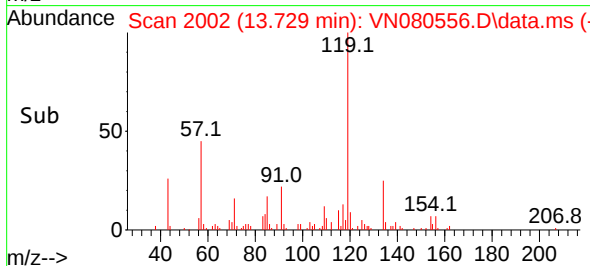
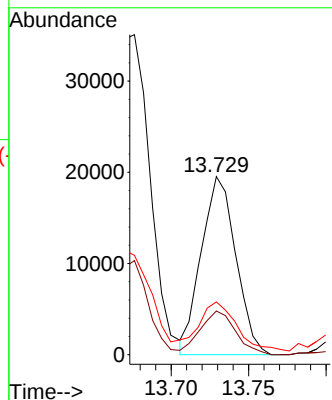
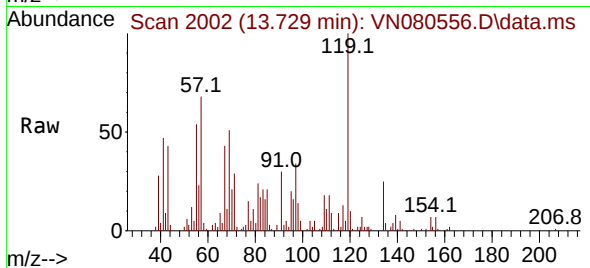
Tgt Ion:119 Resp: 30339

Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 29.3 12.4 37.2



#89

n-Butylbenzene

Concen: 6.772 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN080556.D

Acq: 20 Dec 2023 18:53

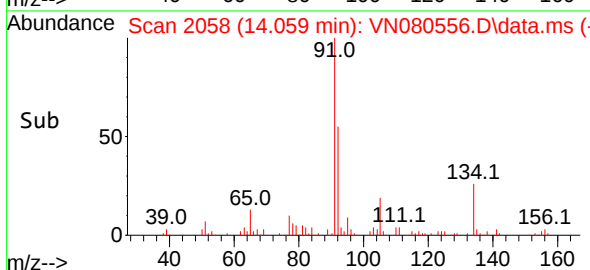
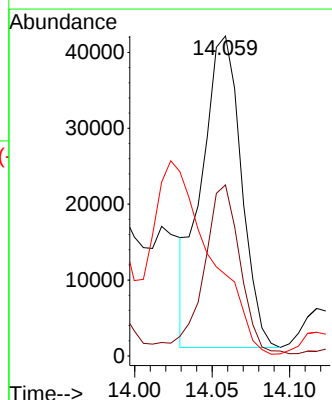
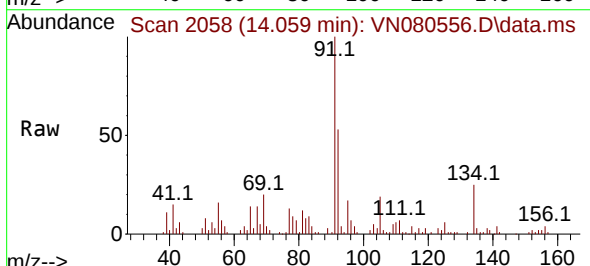
Tgt Ion: 91 Resp: 72886

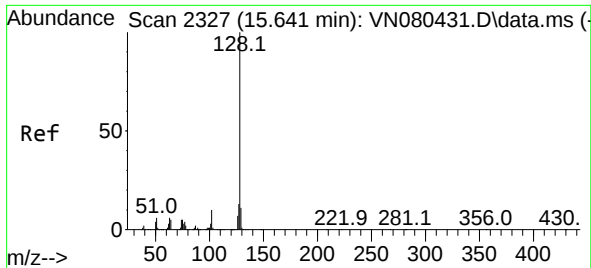
Ion Ratio Lower Upper

91 100

92 50.4 26.4 79.0

134 0.0 12.6 37.6#





#95

Naphthalene

Concen: 1.892 ug/l

RT: 15.641 min Scan# 211

Delta R.T. 0.000 min

Lab File: VN080556.D

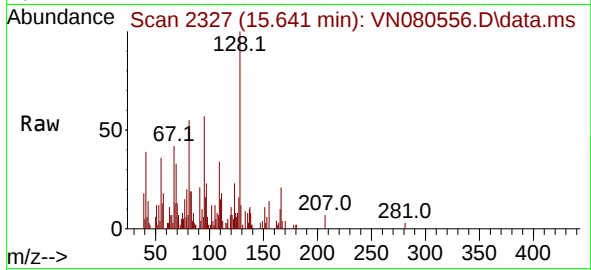
Acq: 20 Dec 2023 18:53

Instrument :

MSVOA_N

ClientSampleId :

1104



Tgt Ion:	128	Resp:	20774
Ion	Ratio	Lower	Upper
128	100		
127	15.9	10.0	15.0#
129	12.7	8.7	13.1

