

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076957.D
 Acq On : 13 Mar 2023 13:19
 Operator : JC\MD
 Sample : 01854-02DL 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33907DL

Quant Time: Mar 14 07:01:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

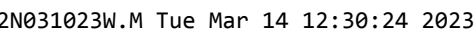
Internal Standards						
1) Pentafluorobenzene	8.230	168	435919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	698098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	600688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	265100	50.000	ug/l	0.00

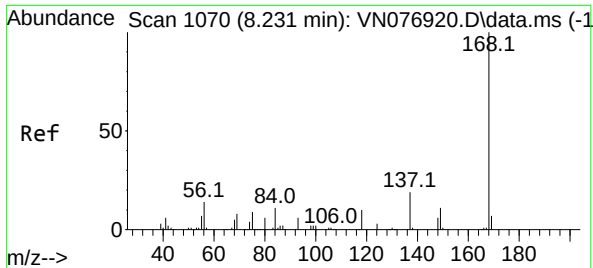
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	285957	43.959	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.920%
35) Dibromofluoromethane	8.172	113	215335	46.283	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.560%
50) Toluene-d8	10.571	98	819524	47.794	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.580%
62) 4-Bromofluorobenzene	12.854	95	309012	49.270	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.540%

Target Compounds						Qvalue
16) Acetone	4.448	43	24899	11.046	ug/l	96
19) Methyl tert-butyl Ether	5.813	73	24115	1.408	ug/l	96
20) Methylene Chloride	5.289	84	1931	0.333	ug/l #	82
22) Diisopropyl ether	6.678	45	5191	0.339	ug/l #	80
40) Benzene	8.613	78	92184	4.346	ug/l	99
52) Toluene	10.630	92	295685	22.651	ug/l	99
67) Ethyl Benzene	11.965	91	109096	4.416	ug/l	97
68) m/p-Xylenes	12.071	106	198737	21.401	ug/l	89
69) o-Xylene	12.401	106	155484	17.247	ug/l	80
73) Isopropylbenzene	12.695	105	29736	1.259	ug/l	97
78) n-propylbenzene	13.036	91	114142	4.339	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	199991	9.939	ug/l	92
84) 1,2,4-Trimethylbenzene	13.483	105	803446	39.909	ug/l	92
85) sec-Butylbenzene	13.618	105	38998	1.664	ug/l	90
86) p-Isopropyltoluene	13.736	119	27448	1.451	ug/l	93
89) n-Butylbenzene	14.059	91	47260	2.993	ug/l #	78
95) Naphthalene	15.642	128	212614	13.288	ug/l	98

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

Quant Time: Mar 14 07:01:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
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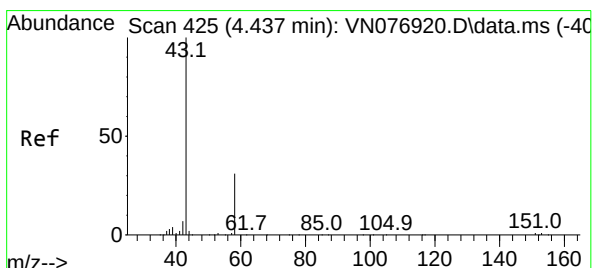
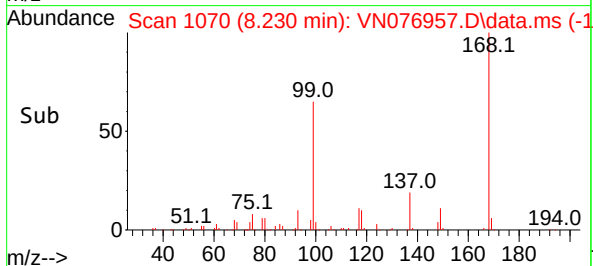
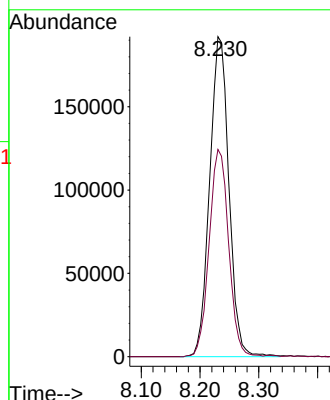
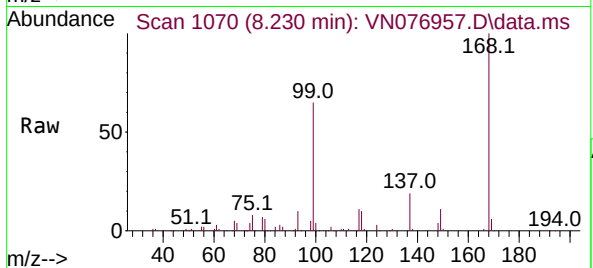




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

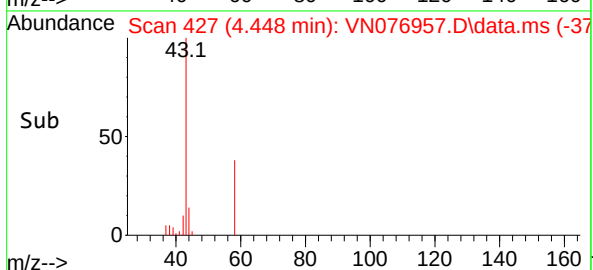
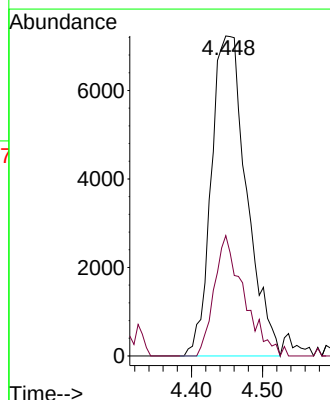
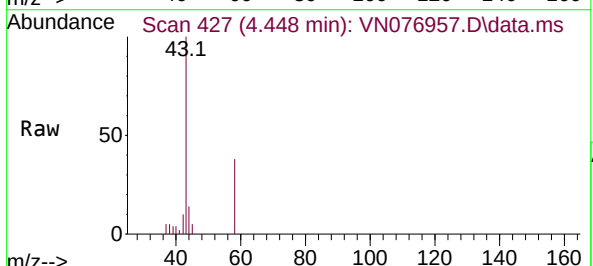
Instrument :
MSVOA_N
ClientSampleId :
33907DL

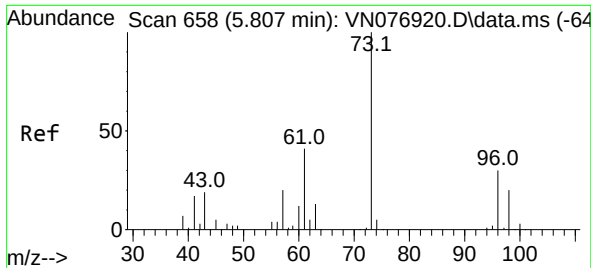
Tgt Ion:168 Resp: 435919
Ion Ratio Lower Upper
168 100
99 64.7 48.6 73.0



#16
Acetone
Concen: 11.046 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion: 43 Resp: 24899
Ion Ratio Lower Upper
43 100
58 37.6 28.2 42.2

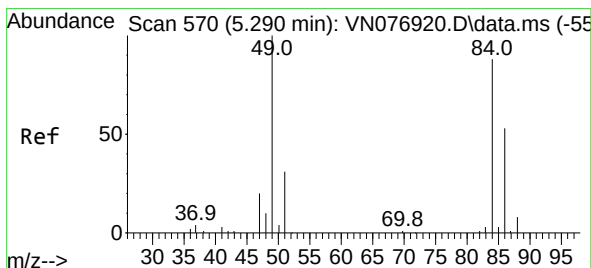
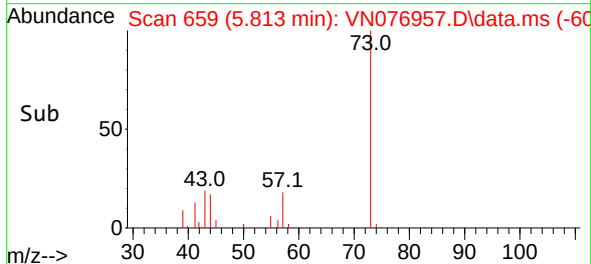
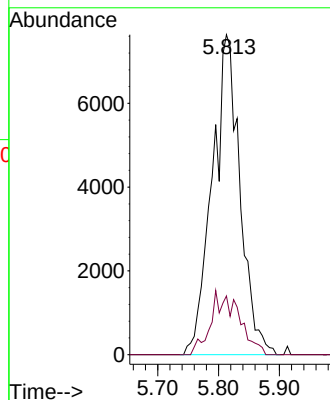
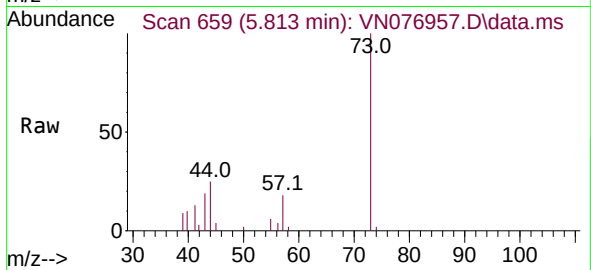




#19
Methyl tert-butyl Ether
Concen: 1.408 ug/l
RT: 5.813 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

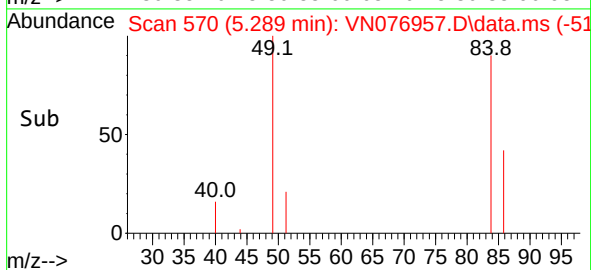
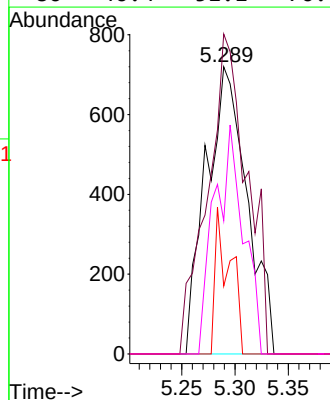
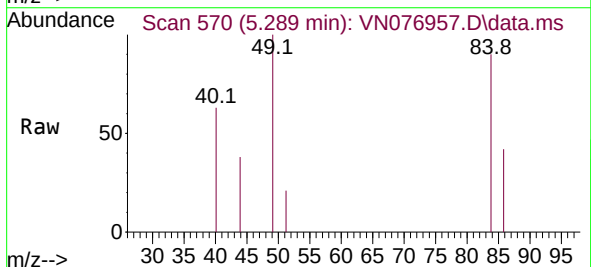
Instrument :
MSVOA_N
ClientSampleId :
33907DL

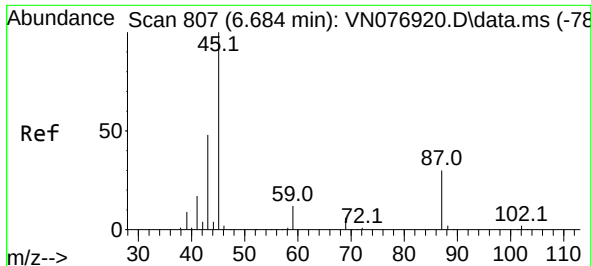
Tgt Ion: 73 Resp: 24115
Ion Ratio Lower Upper
73 100
57 18.3 16.1 24.1



#20
Methylene Chloride
Concen: 0.333 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion: 84 Resp: 1931
Ion Ratio Lower Upper
84 100
49 111.4 76.6 114.8
51 23.6 25.4 38.2#
86 46.4 51.1 76.7#

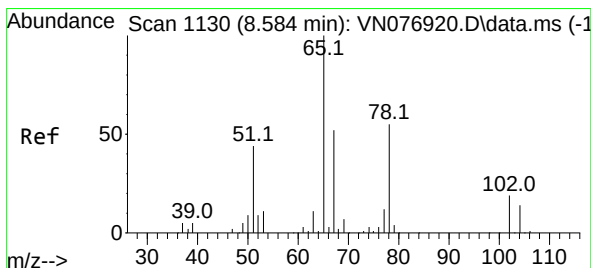
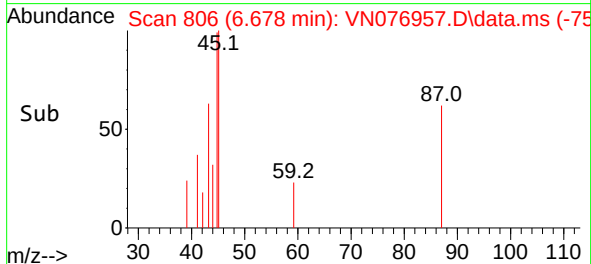
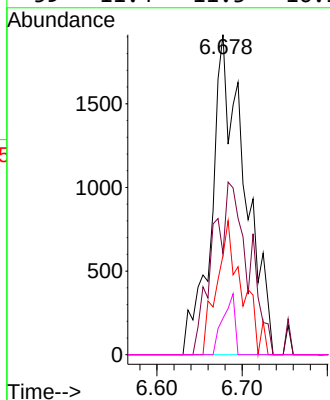
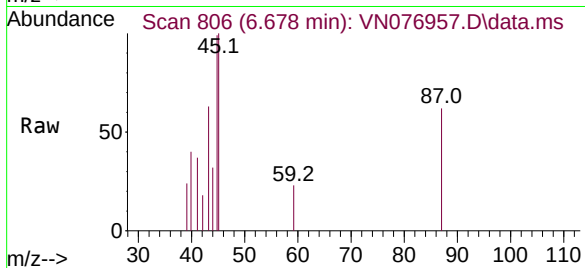




#22
Diisopropyl ether
Concen: 0.339 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

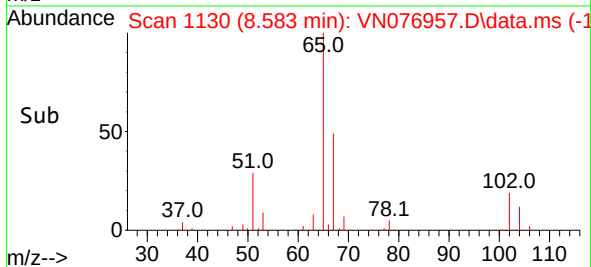
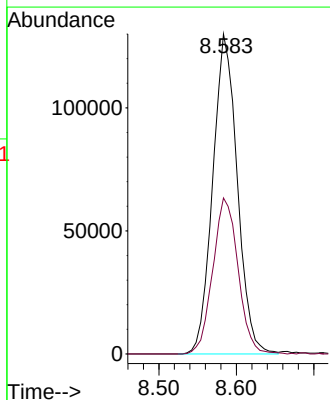
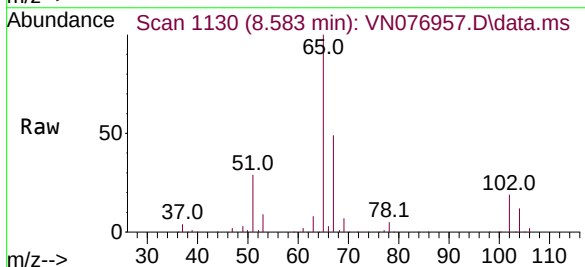
Instrument :
MSVOA_N
ClientSampleId :
33907DL

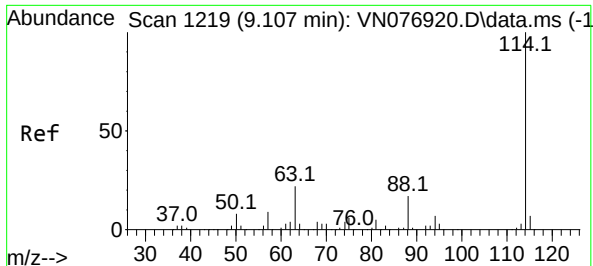
Tgt Ion:	45	Resp:	5191
Ion	Ratio	Lower	Upper
45	100		
43	31.6	42.6	63.8#
87	31.1	29.7	44.5
59	11.4	11.3	16.9



#33
1,2-Dichloroethane-d4
Concen: 43.959 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.001 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion:	65	Resp:	285957
Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076957.D

Acq: 13 Mar 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

33907DL

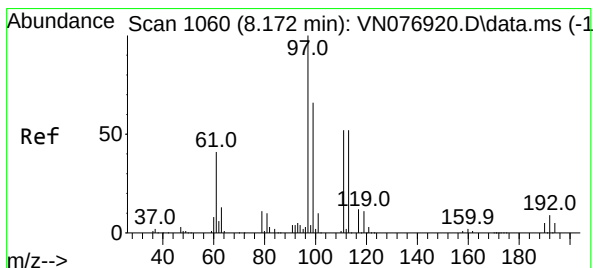
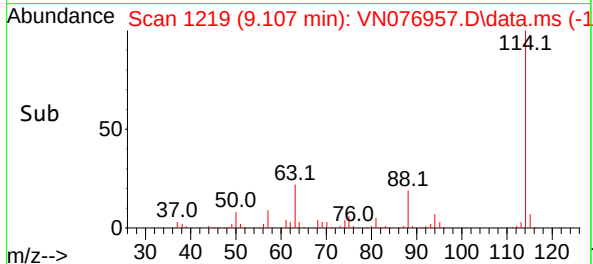
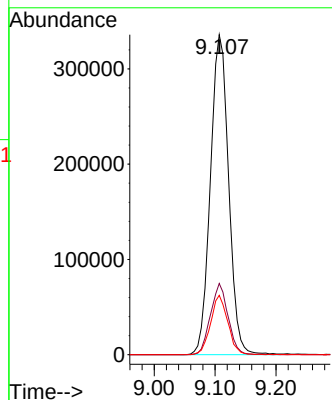
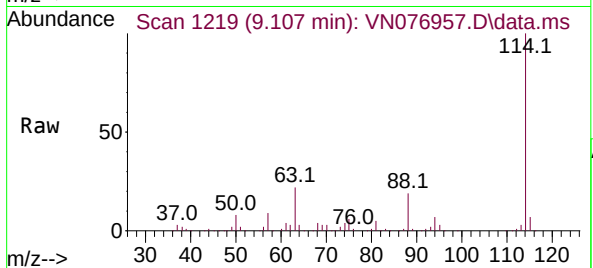
Tgt Ion:114 Resp: 698098

Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.6

88 18.5 0.0 28.6



#35

Dibromofluoromethane

Concen: 46.283 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076957.D

Acq: 13 Mar 2023 13:19

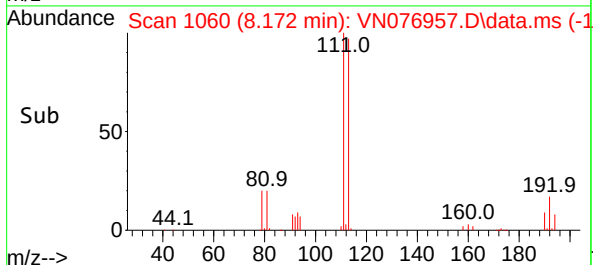
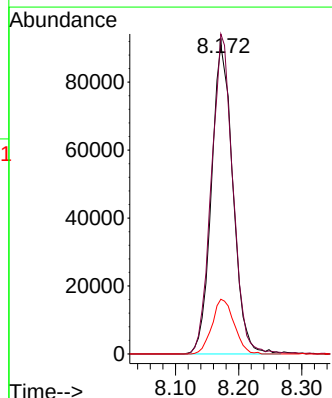
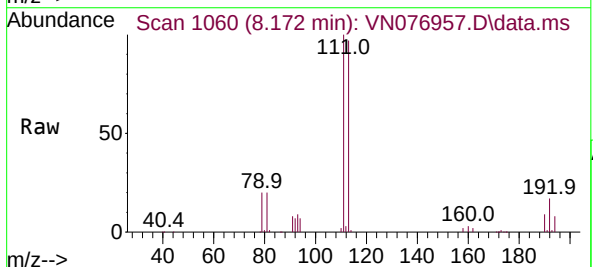
Tgt Ion:113 Resp: 215335

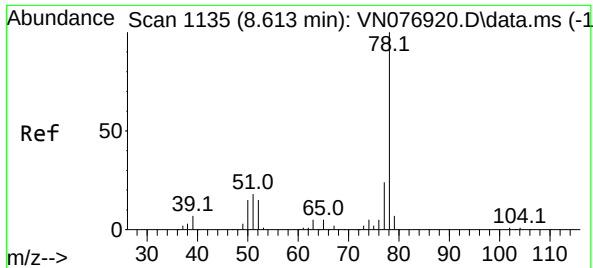
Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.8

192 18.2 13.9 20.9





#40

Benzene

Concen: 4.346 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN076957.D

Acq: 13 Mar 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

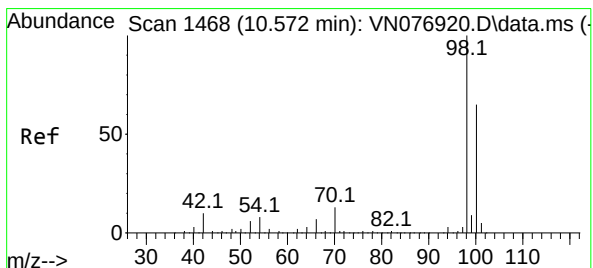
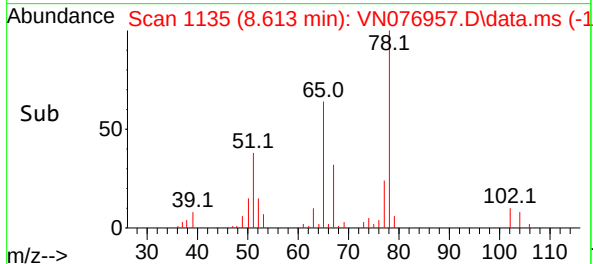
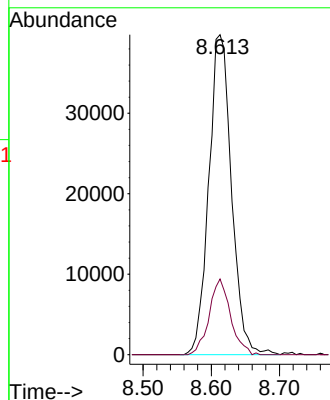
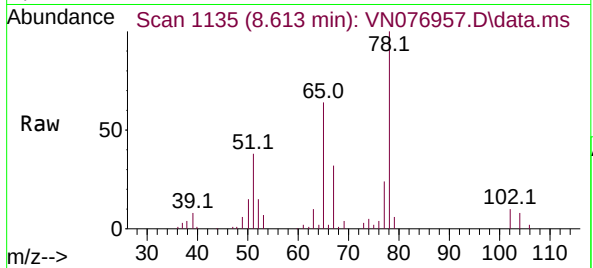
33907DL

Tgt Ion: 78 Resp: 92184

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9



#50

Toluene-d8

Concen: 47.794 ug/l

RT: 10.571 min Scan# 1468

Delta R.T. -0.001 min

Lab File: VN076957.D

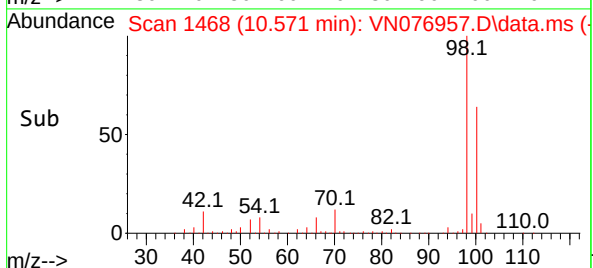
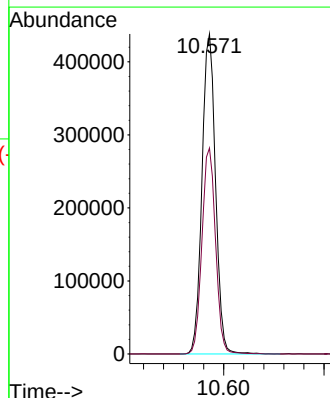
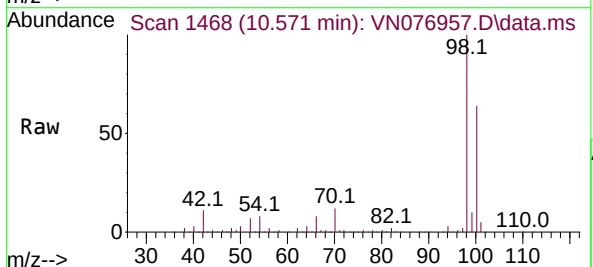
Acq: 13 Mar 2023 13:19

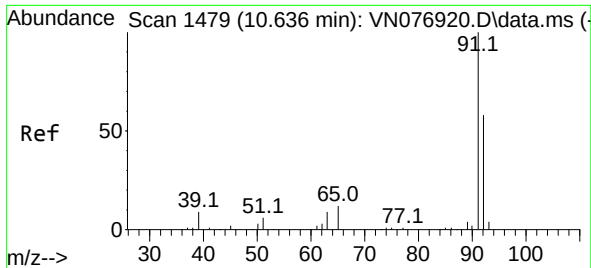
Tgt Ion: 98 Resp: 819524

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2

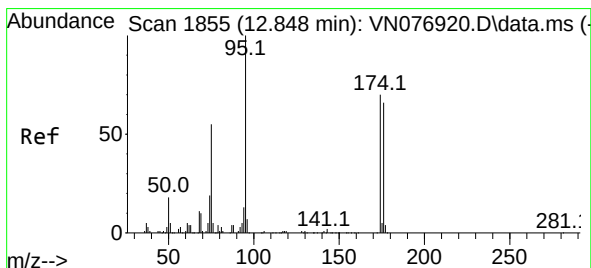
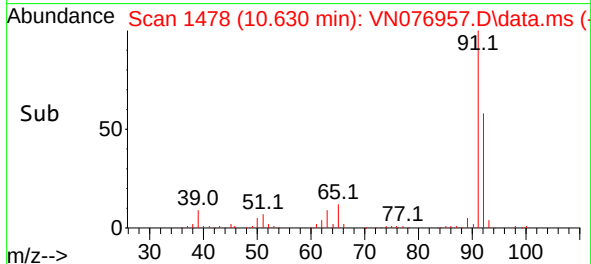
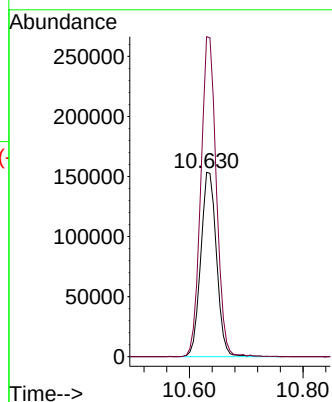
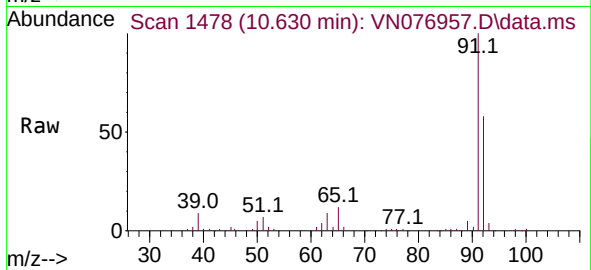




#52
Toluene
Concen: 22.651 ug/l
RT: 10.630 min Scan# 1479
Delta R.T. -0.006 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

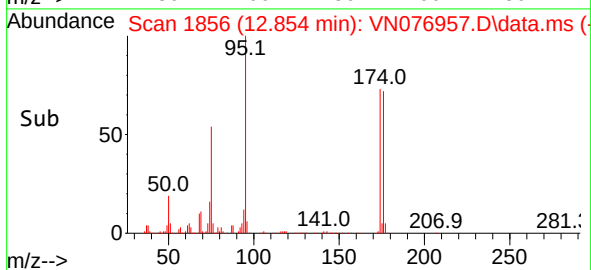
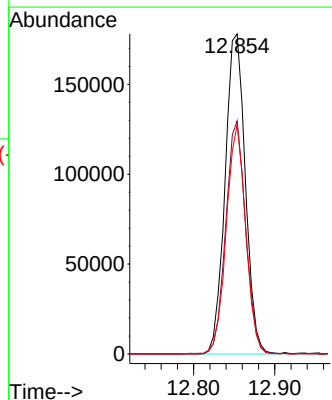
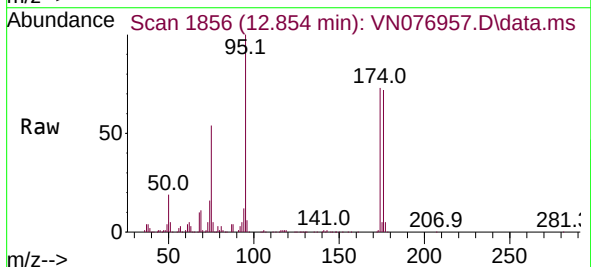
Instrument :
MSVOA_N
ClientSampleId :
33907DL

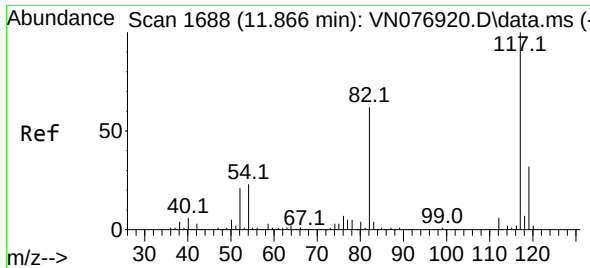
Tgt Ion: 92 Resp: 295685
Ion Ratio Lower Upper
92 100
91 171.4 138.2 207.2



#62
4-Bromofluorobenzene
Concen: 49.270 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion: 95 Resp: 309012
Ion Ratio Lower Upper
95 100
174 71.3 0.0 162.4
176 68.5 0.0 157.4

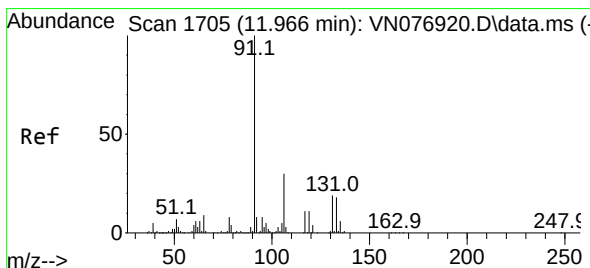
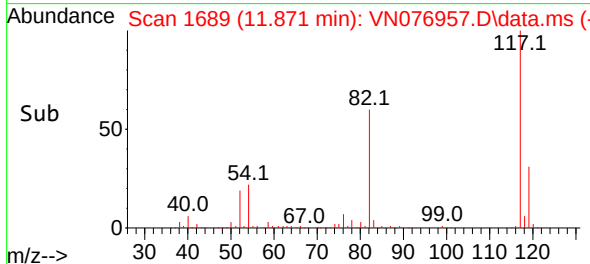
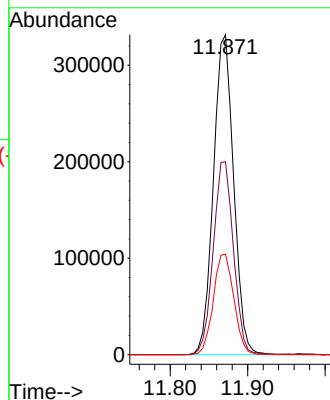
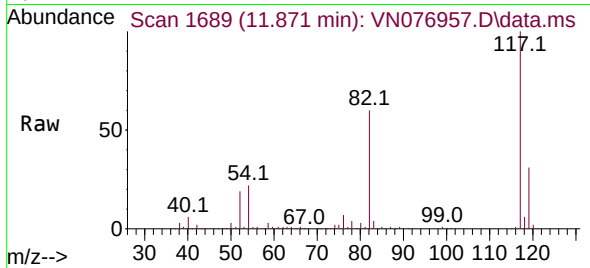




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

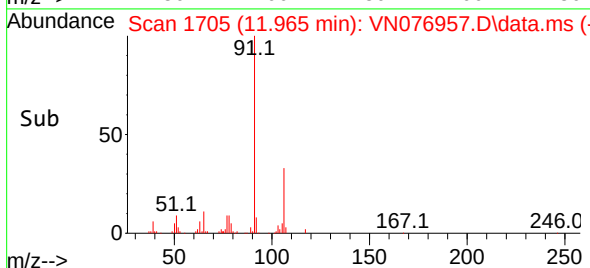
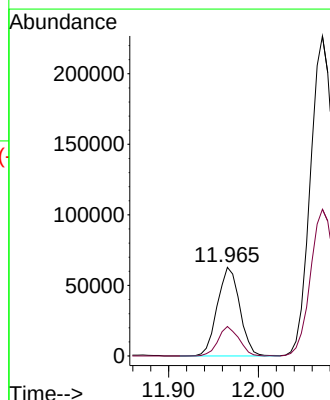
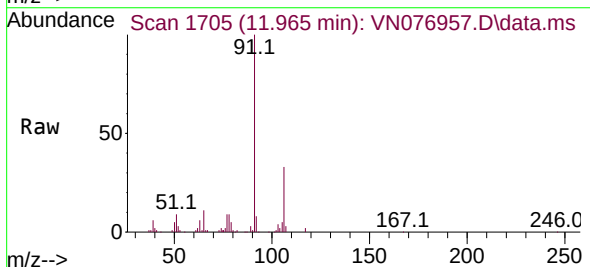
Instrument :
MSVOA_N
ClientSampleId :
33907DL

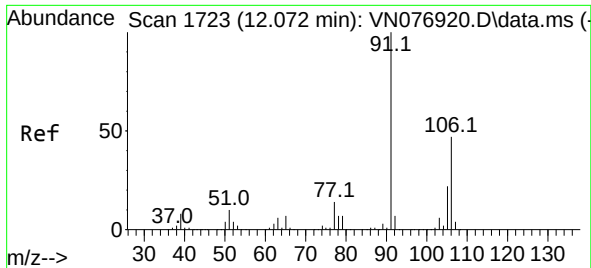
Tgt Ion:117 Resp: 600688
Ion Ratio Lower Upper
117 100
82 60.3 43.5 65.3
119 31.4 25.5 38.3



#67
Ethyl Benzene
Concen: 4.416 ug/l
RT: 11.965 min Scan# 1705
Delta R.T. -0.001 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion: 91 Resp: 109096
Ion Ratio Lower Upper
91 100
106 33.3 25.1 37.7

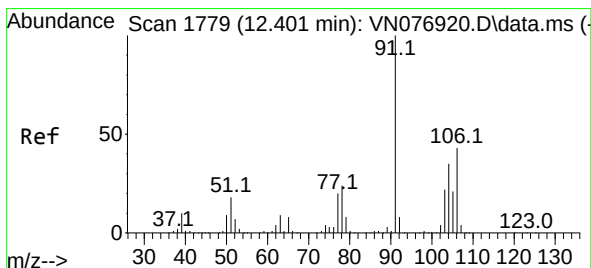
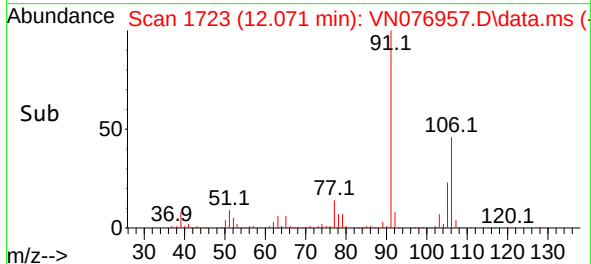
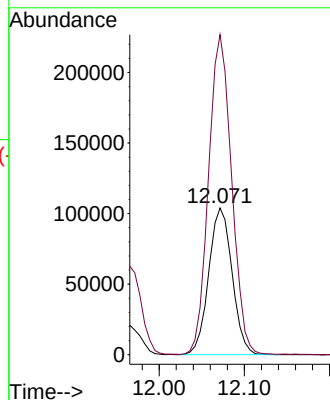
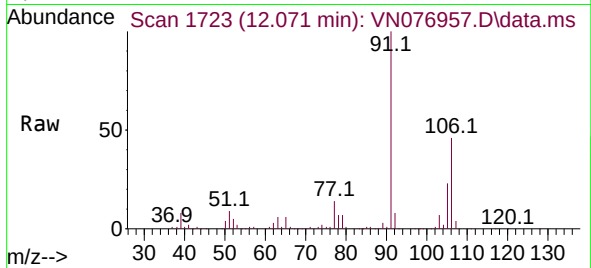




#68
m/p-Xylenes
Concen: 21.401 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

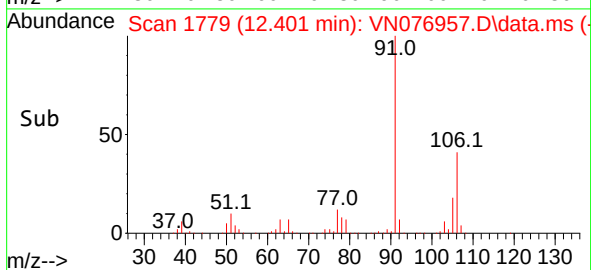
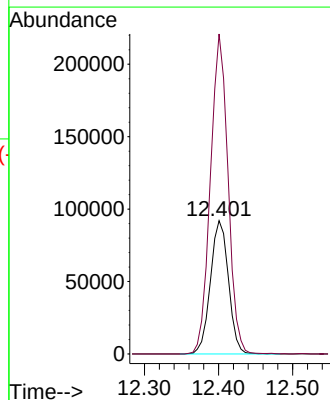
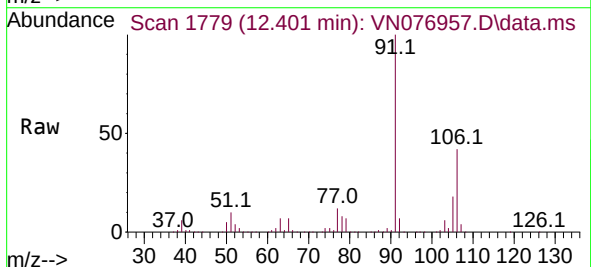
Instrument :
MSVOA_N
ClientSampleId :
33907DL

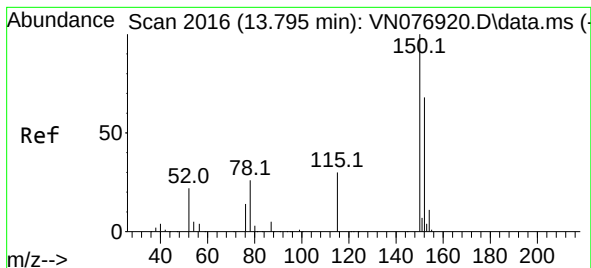
Tgt Ion:106 Resp: 198737
Ion Ratio Lower Upper
106 100
91 214.8 158.0 237.0



#69
o-Xylene
Concen: 17.247 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion:106 Resp: 155484
Ion Ratio Lower Upper
106 100
91 234.8 101.8 305.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076957.D

Acq: 13 Mar 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

33907DL

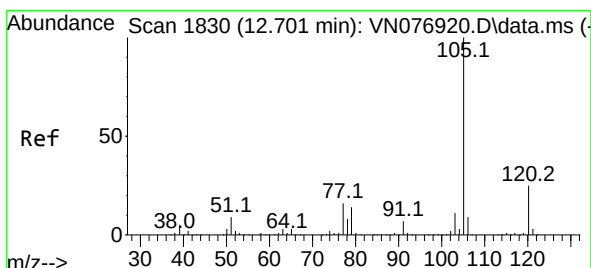
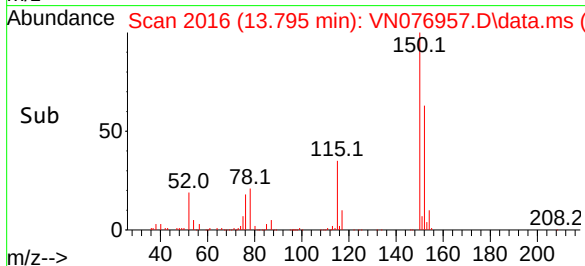
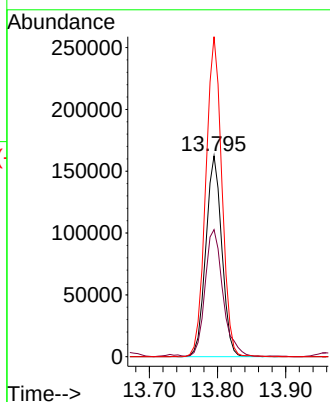
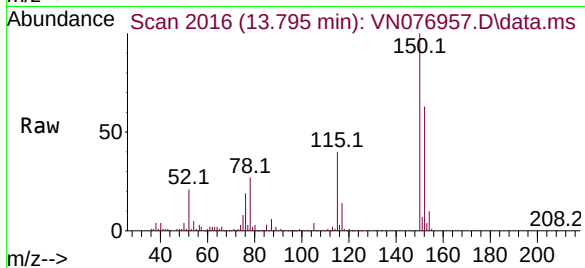
Tgt Ion:152 Resp: 265100

Ion Ratio Lower Upper

152 100

115 70.3 30.3 90.9

150 160.2 0.0 353.6



#73

Isopropylbenzene

Concen: 1.259 ug/l

RT: 12.695 min Scan# 1829

Delta R.T. -0.006 min

Lab File: VN076957.D

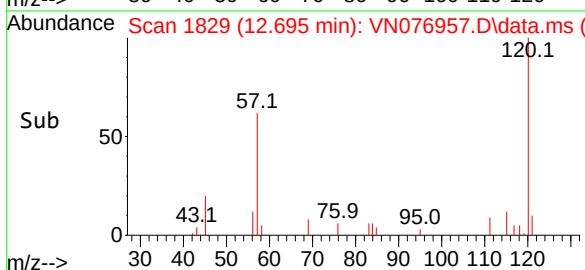
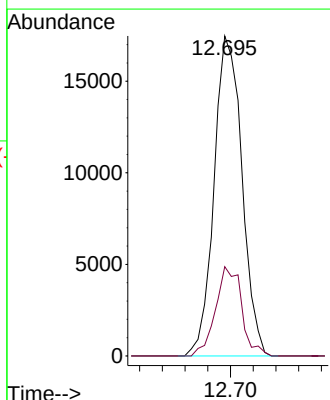
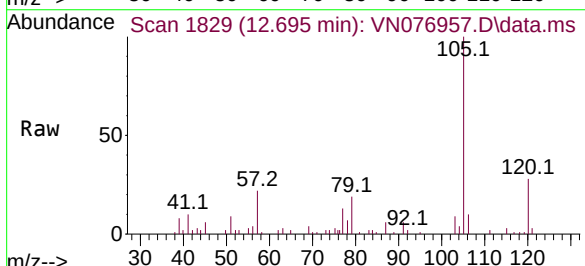
Acq: 13 Mar 2023 13:19

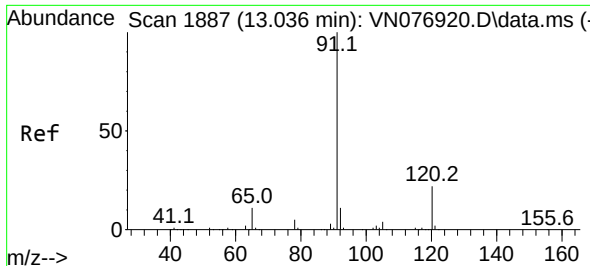
Tgt Ion:105 Resp: 29736

Ion Ratio Lower Upper

105 100

120 26.1 13.8 41.4

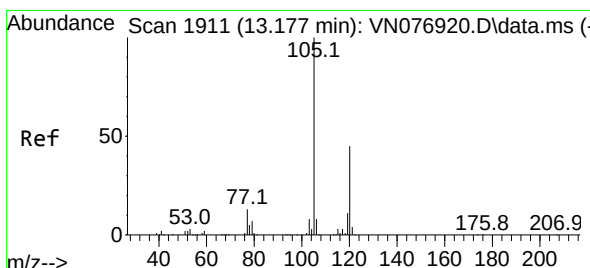
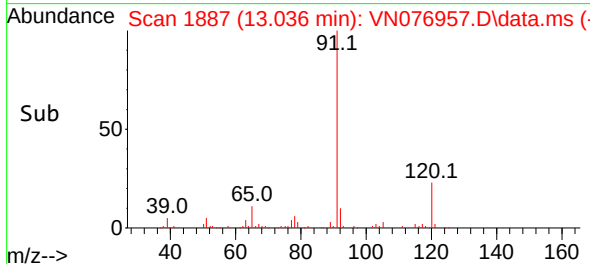
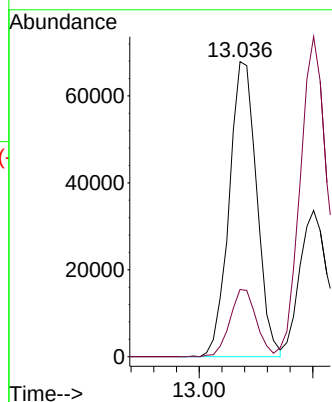
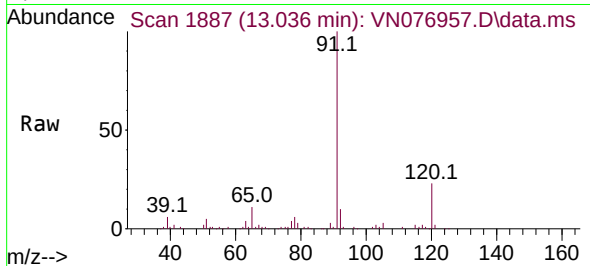




#78
n-propylbenzene
Concen: 4.339 ug/l
RT: 13.036 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

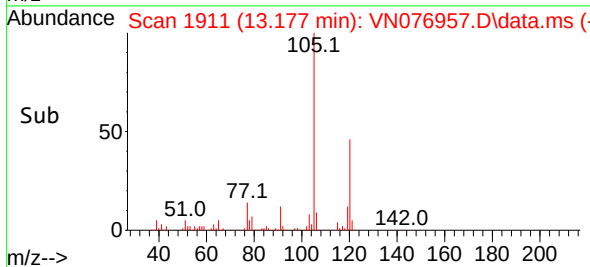
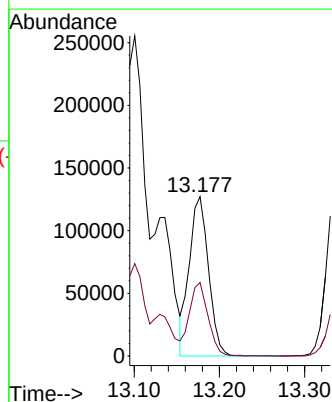
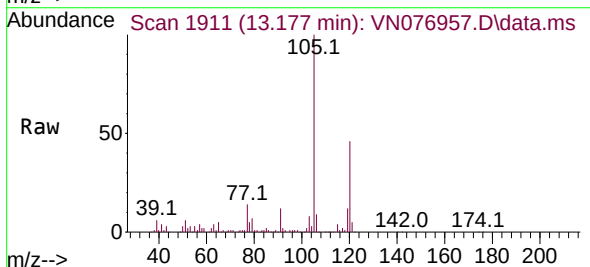
Instrument :
MSVOA_N
ClientSampleId :
33907DL

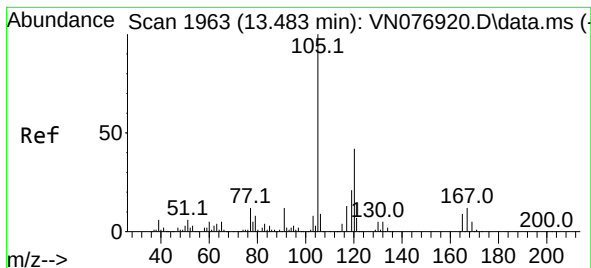
Tgt Ion: 91 Resp: 114142
Ion Ratio Lower Upper
91 100
120 21.8 11.9 35.7



#80
1,3,5-Trimethylbenzene
Concen: 9.939 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Tgt Ion:105 Resp: 199991
Ion Ratio Lower Upper
105 100
120 44.7 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 39.909 ug/l

RT: 13.483 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VN076957.D

Acq: 13 Mar 2023 13:19

Instrument :

MSVOA_N

ClientSampleId :

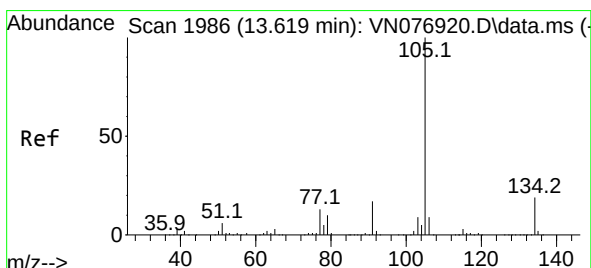
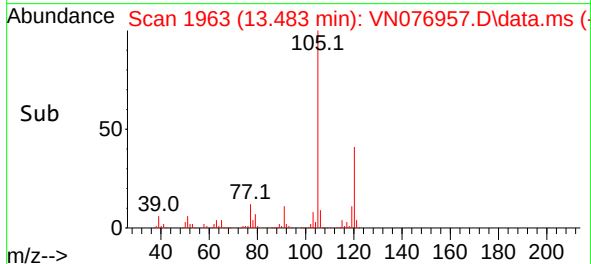
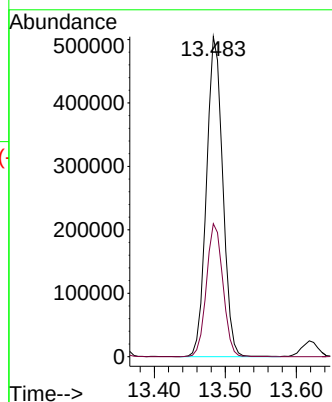
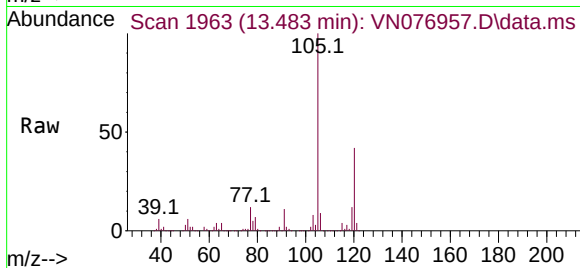
33907DL

Tgt Ion:105 Resp: 803446

Ion Ratio Lower Upper

105 100

120 42.1 23.6 70.8



#85

sec-Butylbenzene

Concen: 1.664 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN076957.D

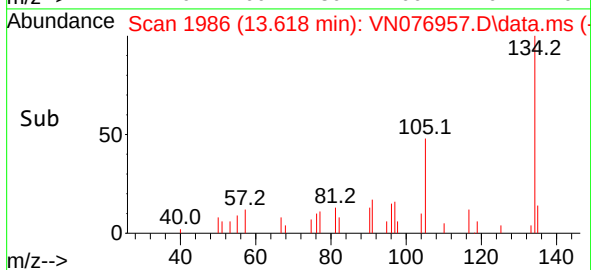
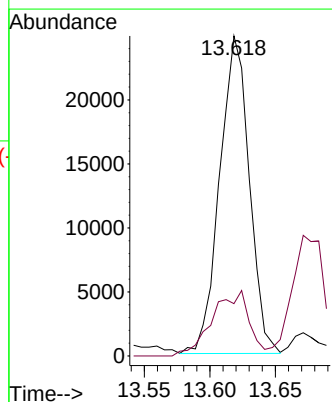
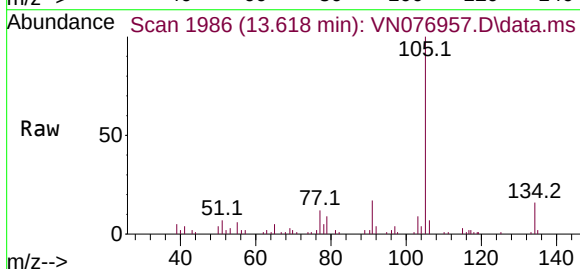
Acq: 13 Mar 2023 13:19

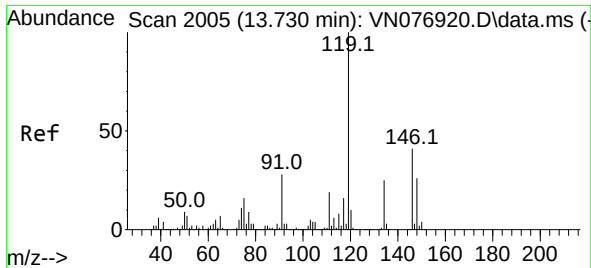
Tgt Ion:105 Resp: 38998

Ion Ratio Lower Upper

105 100

134 25.4 10.4 31.2

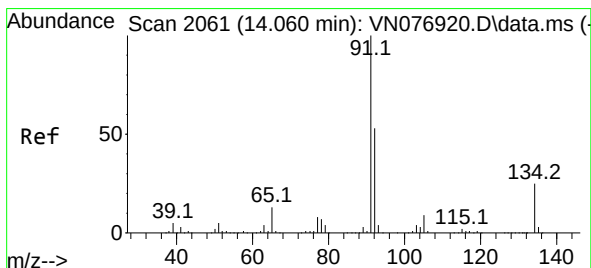
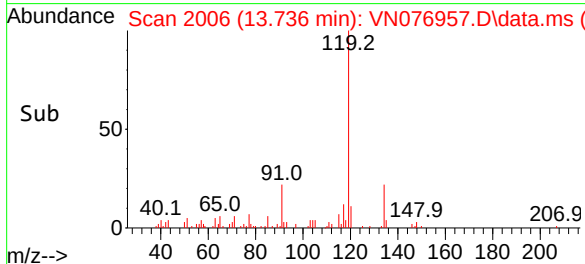
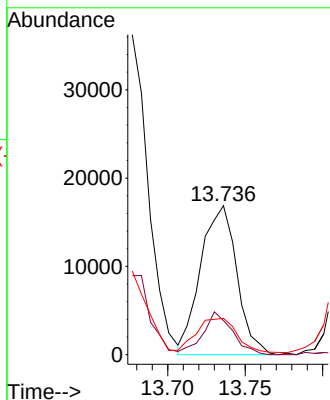
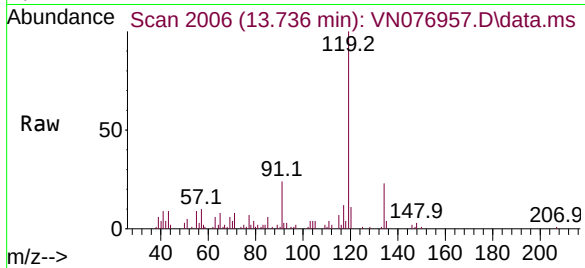




#86
p-Isopropyltoluene
Concen: 1.451 ug/l
RT: 13.736 min Scan# 2005
Delta R.T. 0.006 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

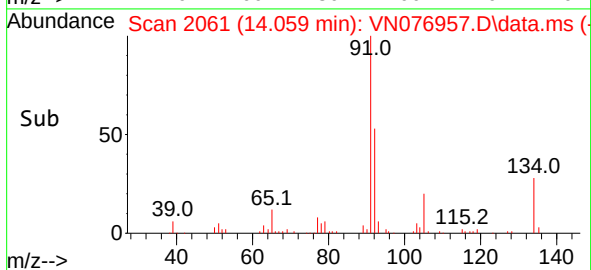
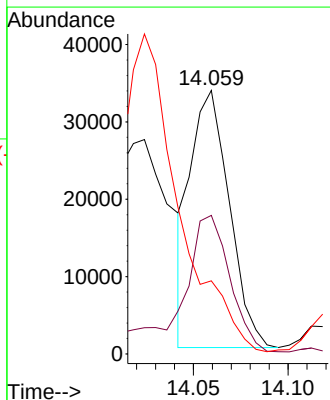
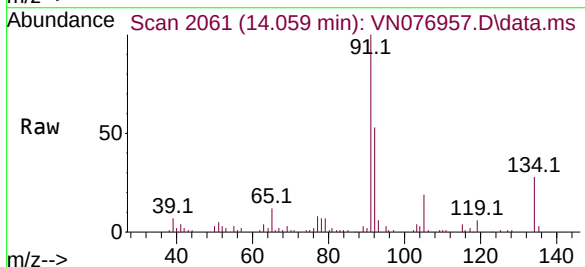
Instrument :
MSVOA_N
ClientSampleId :
33907DL

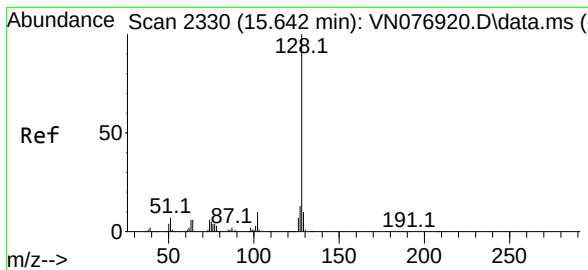
Tgt Ion:119 Resp: 27448
Ion Ratio Lower Upper
119 100
134 23.3 13.5 40.5
91 25.9 11.2 33.6



#89
n-Butylbenzene
Concen: 2.993 ug/l
RT: 14.059 min Scan# 2061
Delta R.T. -0.001 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

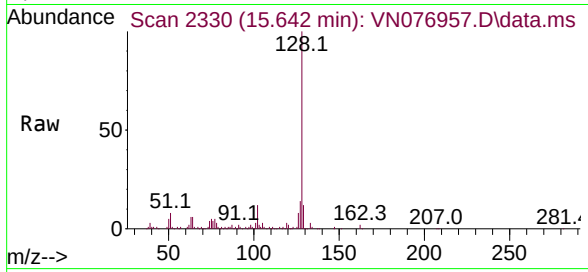
Tgt Ion: 91 Resp: 47260
Ion Ratio Lower Upper
91 100
92 58.0 26.6 79.7
134 0.0 13.6 40.7#





#95
Naphthalene
Concen: 13.288 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076957.D
Acq: 13 Mar 2023 13:19

Instrument :
MSVOA_N
ClientSampleId :
33907DL



Tgt Ion:	128	Resp:	212614
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.4
129	11.7	8.9	13.3

