

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101023\
 Data File : VN079497.D
 Acq On : 10 Oct 2023 16:49
 Operator : JC\MD
 Sample : 04770-01DL 40X
 Misc : 1.50g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1037DL

Quant Time: Oct 10 17:11:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

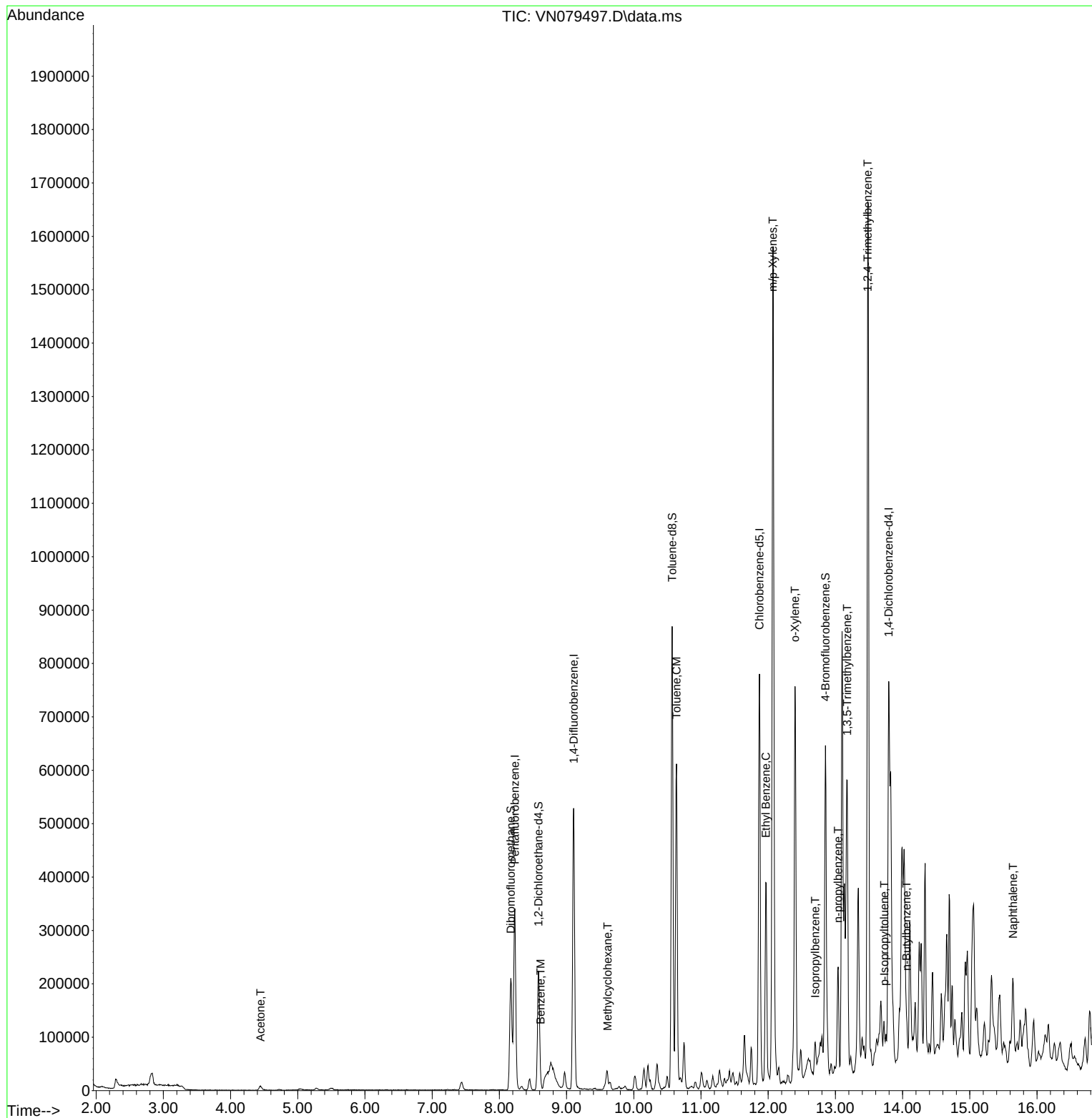
Internal Standards						
1) Pentafluorobenzene	8.230	168	229825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	446504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	438215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	180223	48.363	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.720%		
35) Dibromofluoromethane	8.171	113	151523	47.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.440%		
50) Toluene-d8	10.571	98	572272	49.291	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.853	95	202204	54.269	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.540%		
Target Compounds						Qvalue
16) Acetone	4.447	43	15410	10.426	ug/l	93
39) Methylcyclohexane	9.612	83	10996	2.377	ug/l #	84
40) Benzene	8.612	78	3018	0.211	ug/l	94
52) Toluene	10.635	92	260926	30.993	ug/l	98
67) Ethyl Benzene	11.965	91	276777	16.317	ug/l	95
68) m/p-Xylenes	12.071	106	439358	71.287	ug/l	95
69) o-Xylene	12.400	106	195632	32.276	ug/l	94
73) Isopropylbenzene	12.700	105	39436	2.456	ug/l	95
78) n-propylbenzene	13.041	91	155771	8.575	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	235471	18.598	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	942775	78.026	ug/l	99
86) p-Isopropyltoluene	13.729	119	13478	1.214	ug/l	95
89) n-Butylbenzene	14.059	91	38691	4.365	ug/l #	79
95) Naphthalene	15.647	128	125127	21.722	ug/l	98

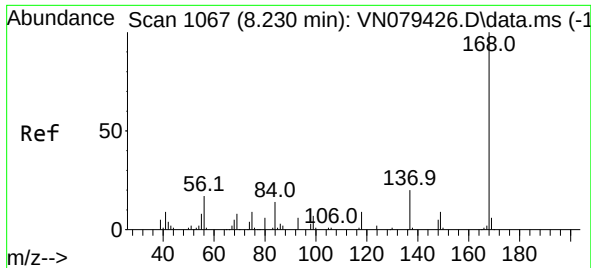
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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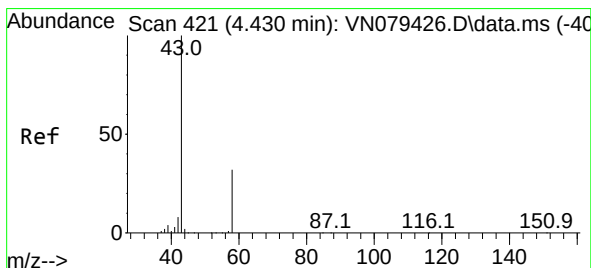
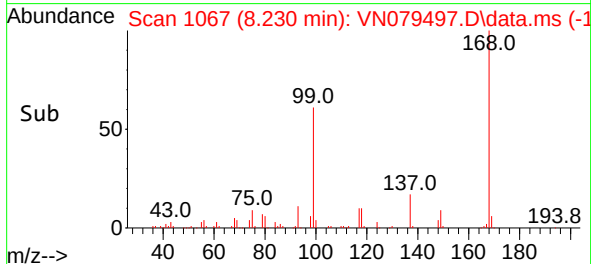
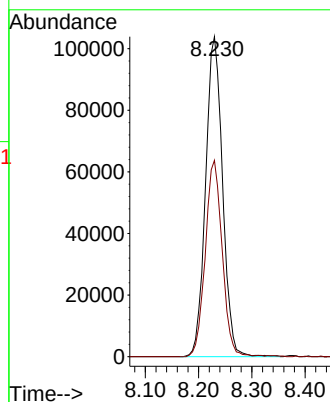
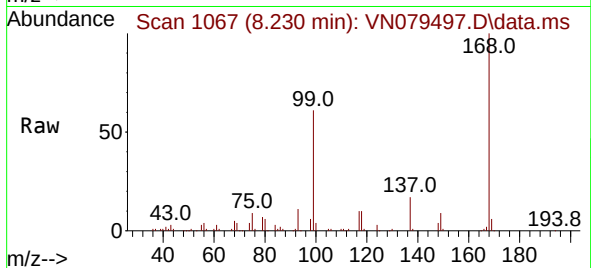




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

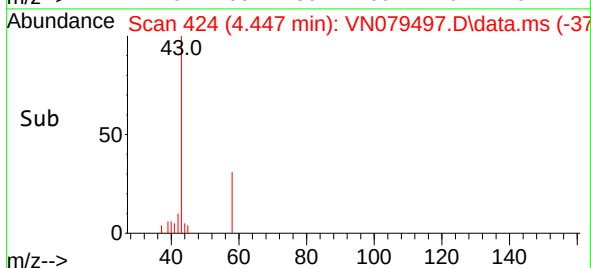
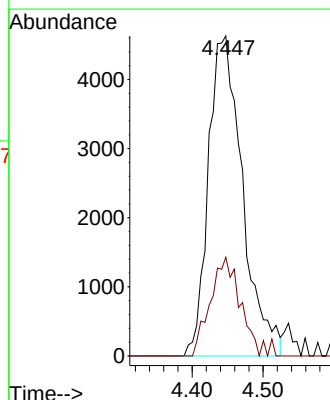
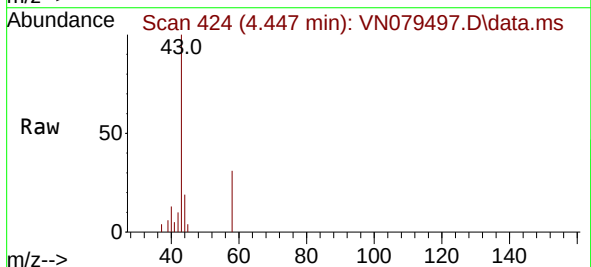
Instrument :
MSVOA_N
ClientSampleId :
1037DL

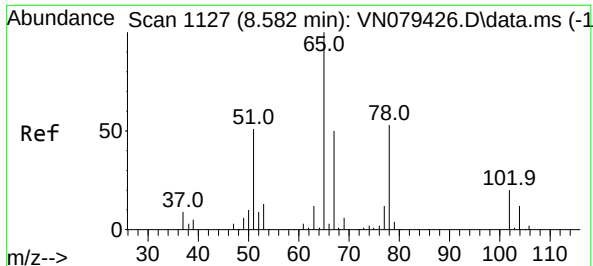
Tgt Ion:168 Resp: 229825
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#16
Acetone
Concen: 10.426 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

Tgt Ion: 43 Resp: 15410
Ion Ratio Lower Upper
43 100
58 30.8 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 48.363 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

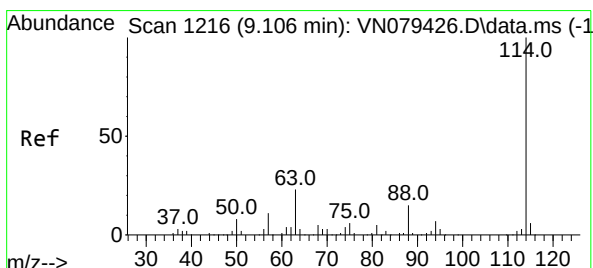
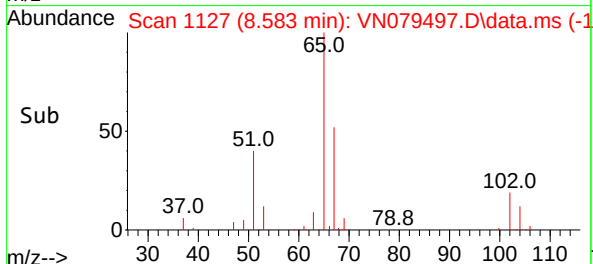
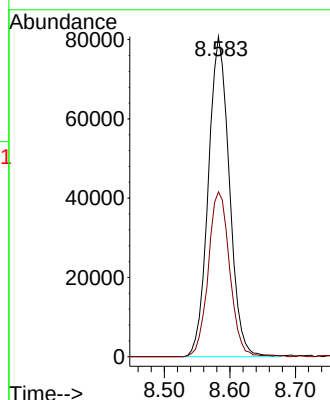
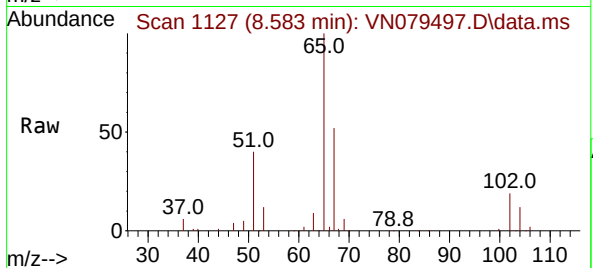
1037DL

Tgt Ion: 65 Resp: 180223

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

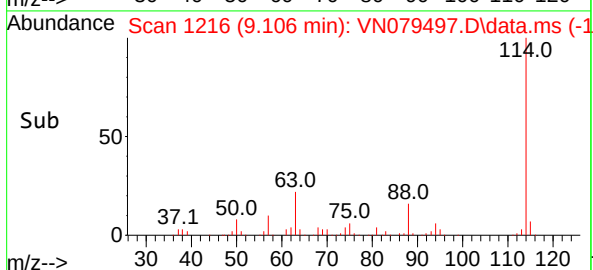
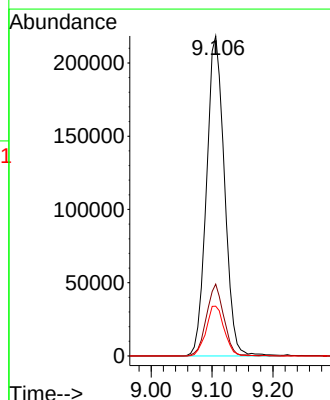
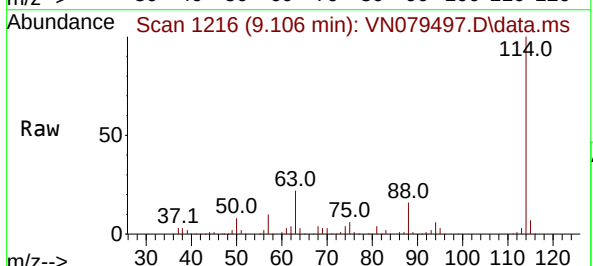
Tgt Ion: 114 Resp: 446504

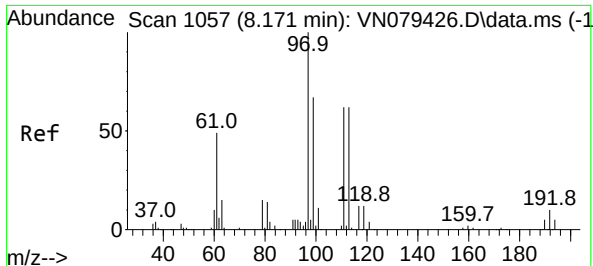
Ion Ratio Lower Upper

114 100

63 22.5 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.222 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

1037DL

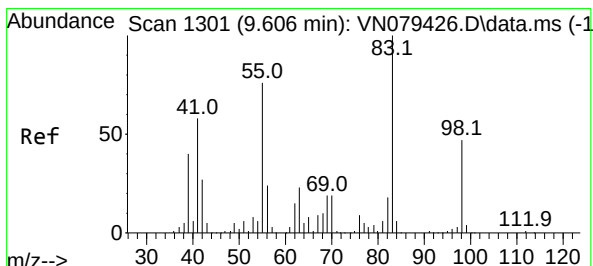
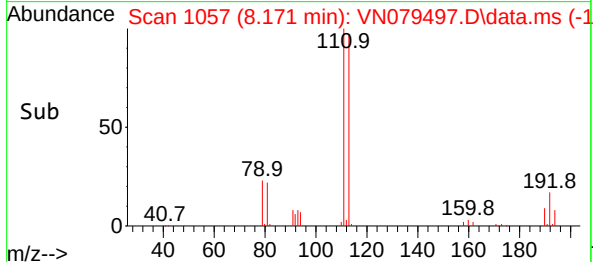
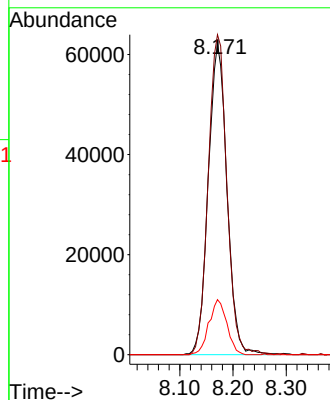
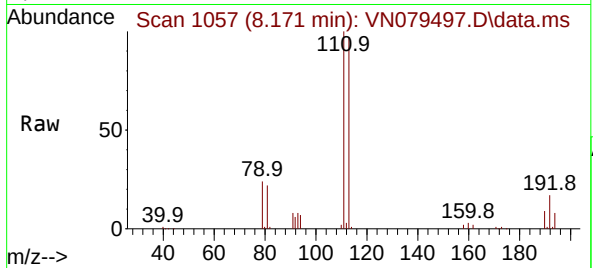
Tgt Ion:113 Resp: 151523

Ion Ratio Lower Upper

113 100

111 102.4 82.6 123.8

192 16.9 12.7 19.1



#39

Methylcyclohexane

Concen: 2.377 ug/l

RT: 9.612 min Scan# 1302

Delta R.T. 0.006 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

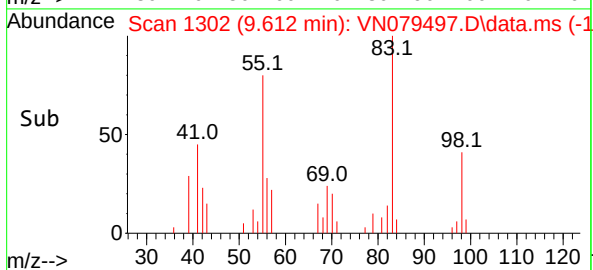
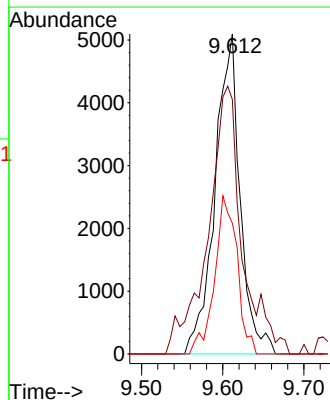
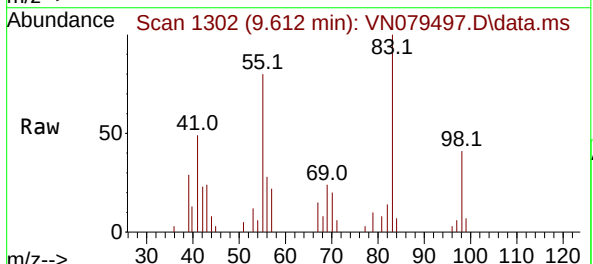
Tgt Ion: 83 Resp: 10996

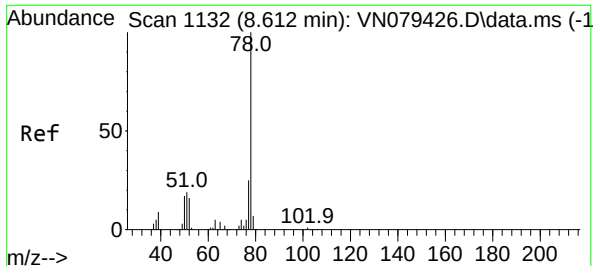
Ion Ratio Lower Upper

83 100

55 74.4 49.1 73.7#

98 40.8 40.6 61.0

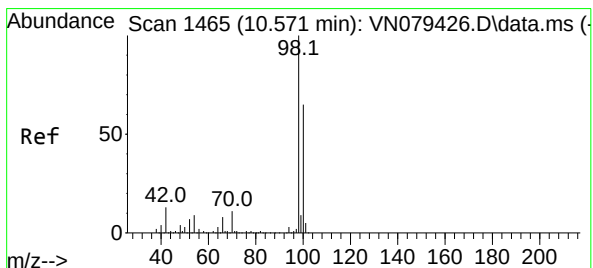
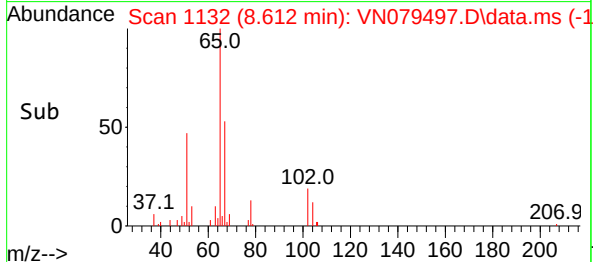
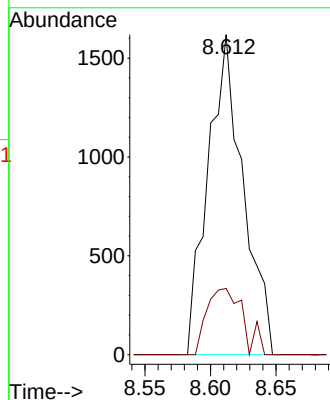
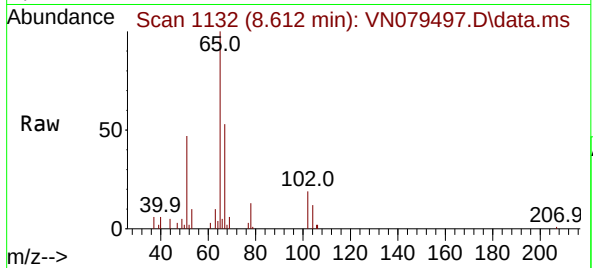




#40
Benzene
Concen: 0.211 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

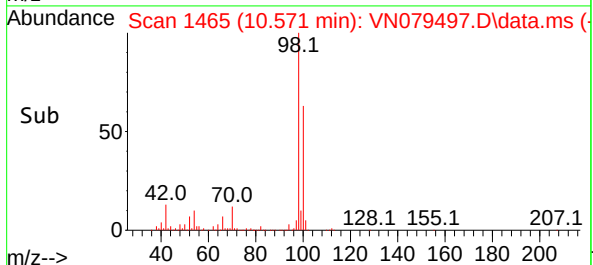
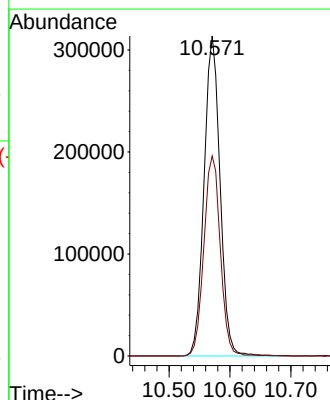
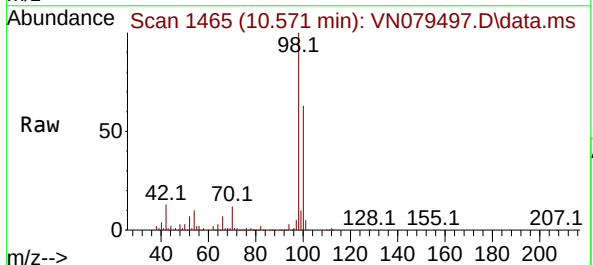
Instrument :
MSVOA_N
ClientSampleId :
1037DL

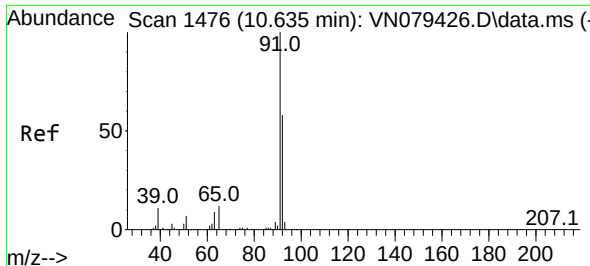
Tgt Ion: 78 Resp: 3018
Ion Ratio Lower Upper
78 100
77 20.7 19.0 28.6



#50
Toluene-d8
Concen: 49.291 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

Tgt Ion: 98 Resp: 572272
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0

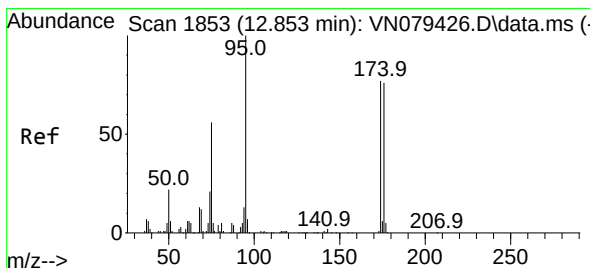
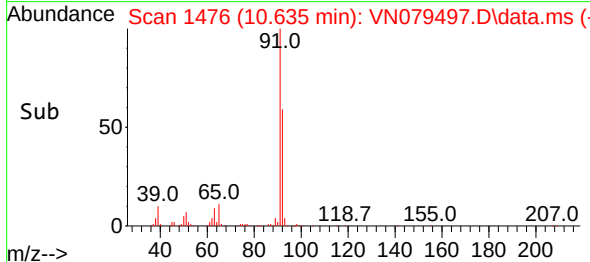
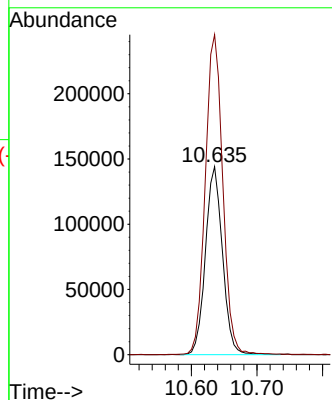
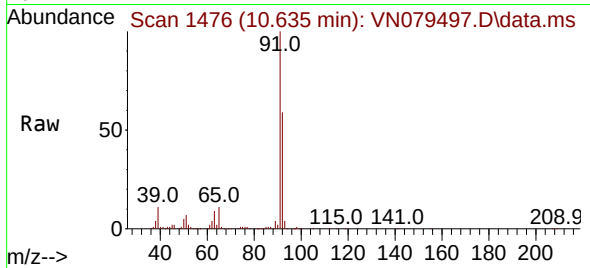




#52
Toluene
Concen: 30.993 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

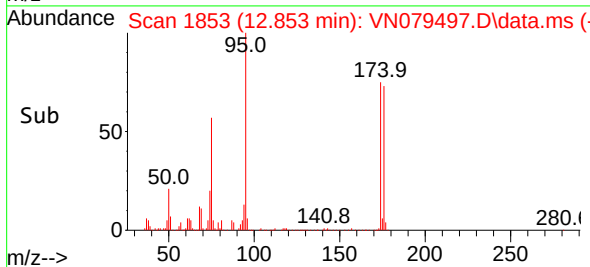
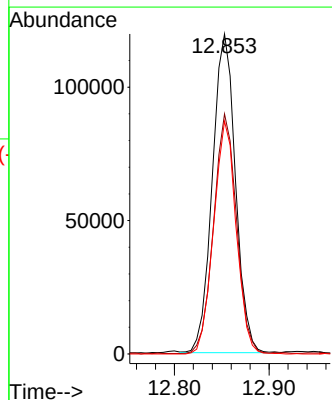
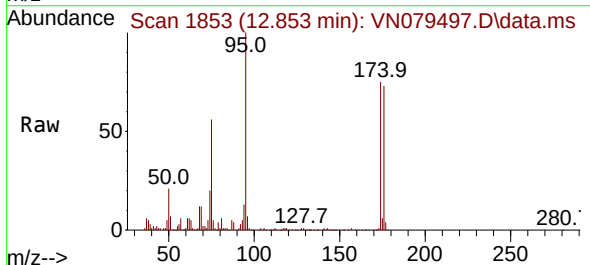
Instrument :
MSVOA_N
ClientSampleId :
1037DL

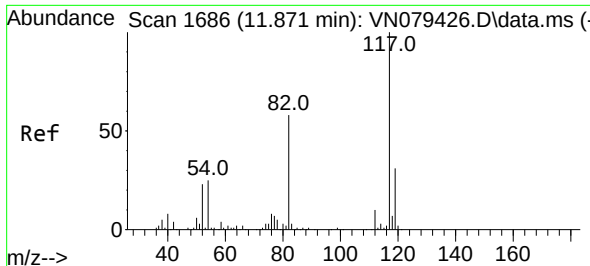
Tgt Ion: 92 Resp: 260926
Ion Ratio Lower Upper
92 100
91 174.7 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 54.269 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

Tgt Ion: 95 Resp: 202204
Ion Ratio Lower Upper
95 100
174 74.6 0.0 143.8
176 71.5 0.0 135.8

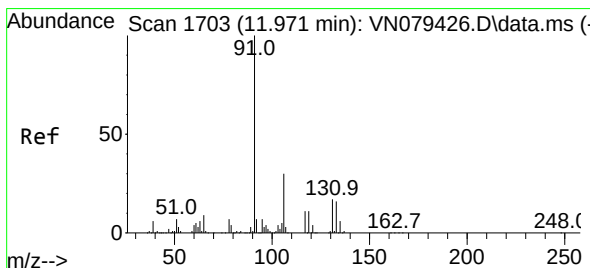
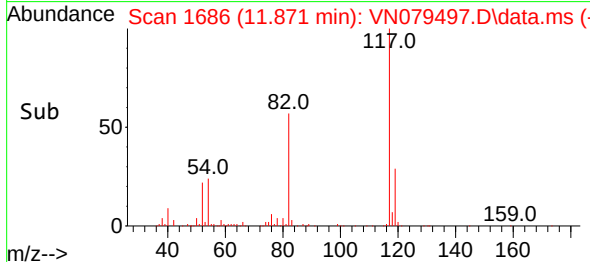
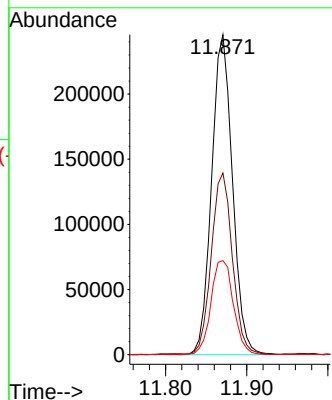
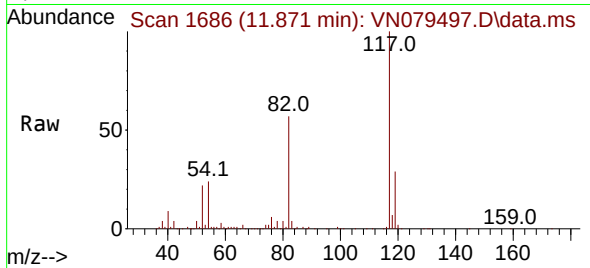




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

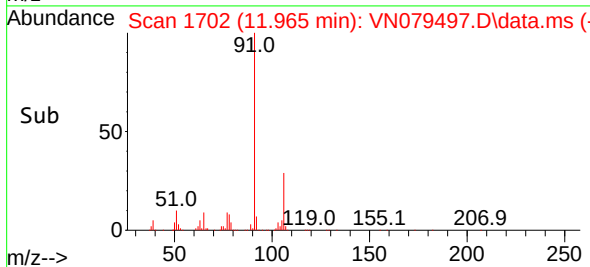
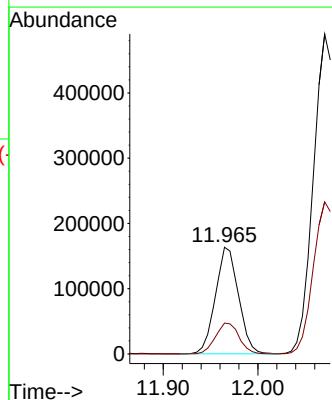
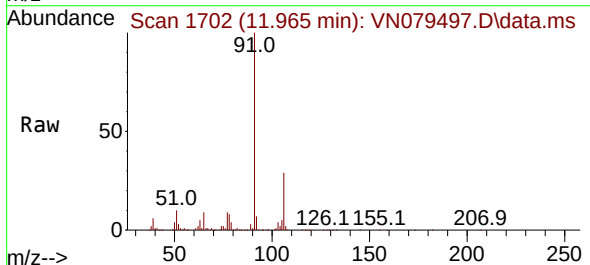
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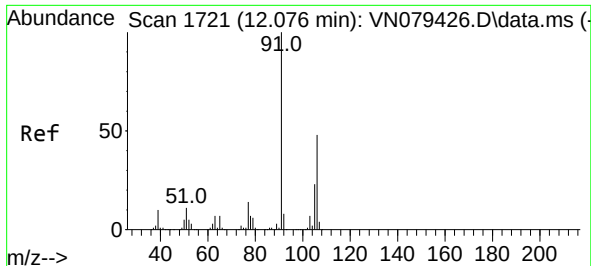
Tgt Ion:117 Resp: 438215
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 29.3 25.6 38.4



#67
Ethyl Benzene
Concen: 16.317 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.006 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

Tgt Ion: 91 Resp: 276777
Ion Ratio Lower Upper
91 100
106 29.0 25.6 38.4

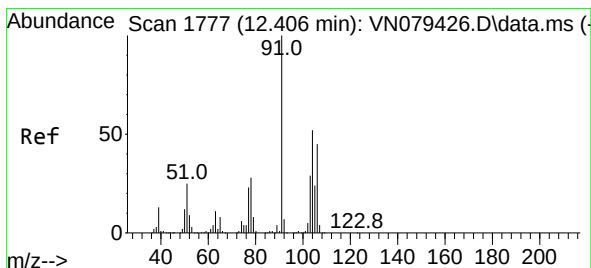
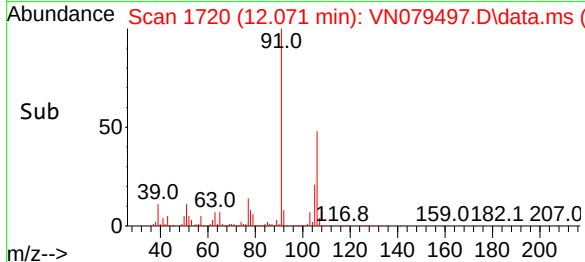
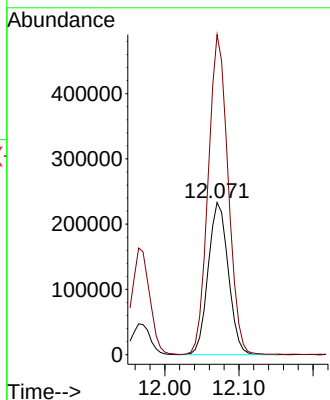
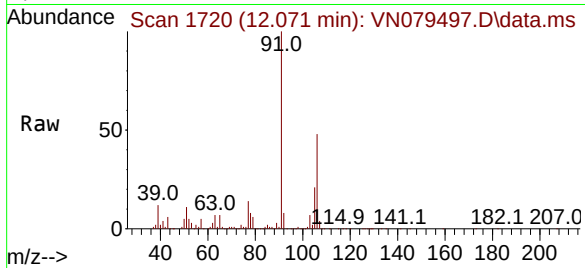




#68
m/p-Xylenes
Concen: 71.287 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.005 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

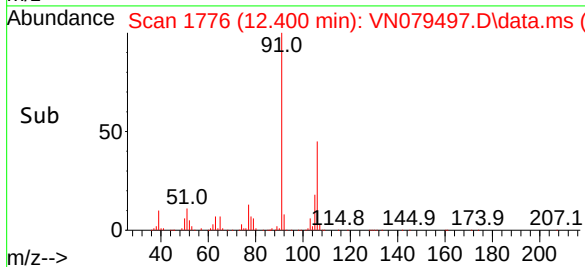
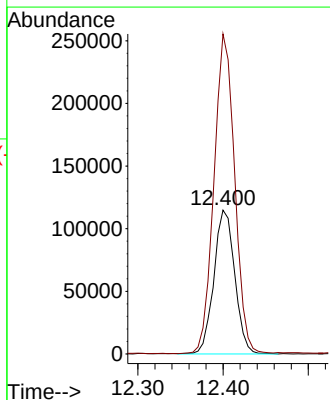
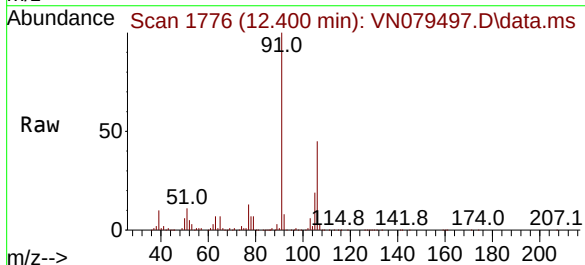
Instrument :
MSVOA_N
ClientSampleId :
1037DL

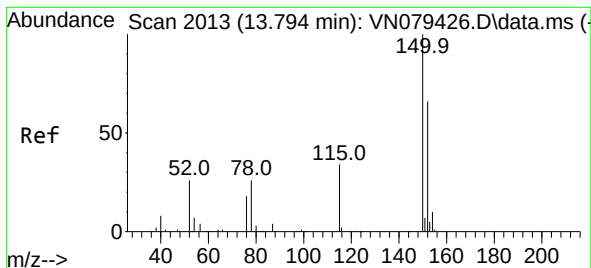
Tgt Ion:106 Resp: 439358
Ion Ratio Lower Upper
106 100
91 207.8 159.6 239.4



#69
o-Xylene
Concen: 32.276 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.006 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

Tgt Ion:106 Resp: 195632
Ion Ratio Lower Upper
106 100
91 220.4 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

1037DL

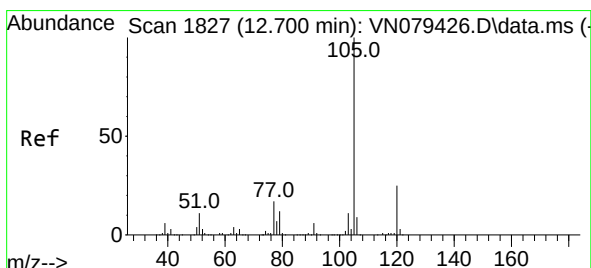
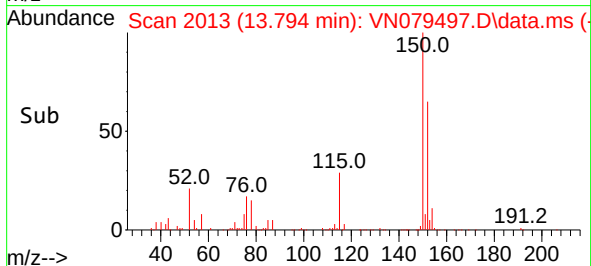
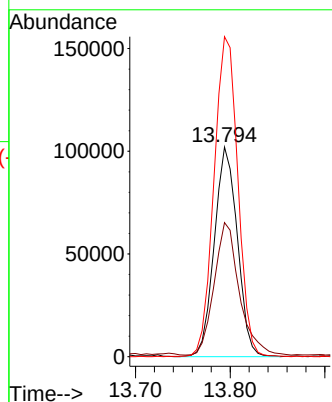
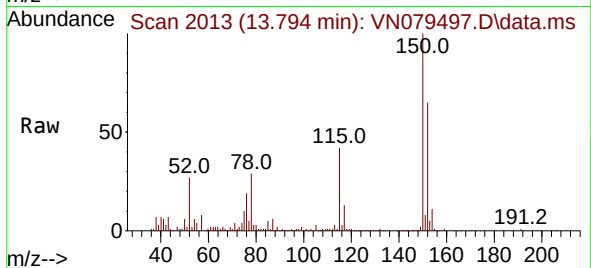
Tgt Ion:152 Resp: 172585

Ion Ratio Lower Upper

152 100

115 68.9 32.3 96.8

150 157.9 0.0 355.8



#73

Isopropylbenzene

Concen: 2.456 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN079497.D

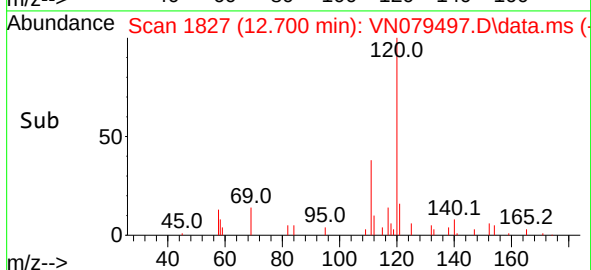
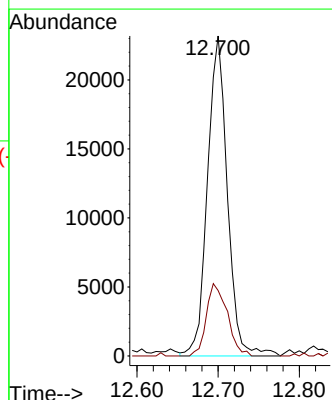
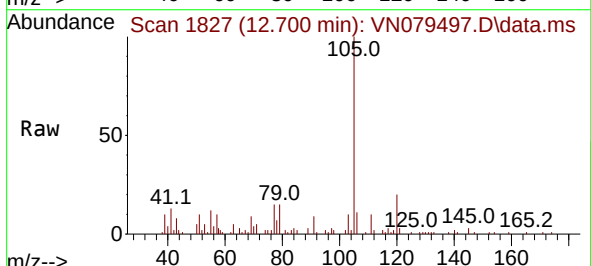
Acq: 10 Oct 2023 16:49

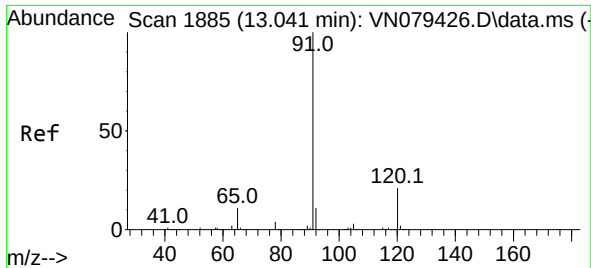
Tgt Ion:105 Resp: 39436

Ion Ratio Lower Upper

105 100

120 23.7 13.1 39.1

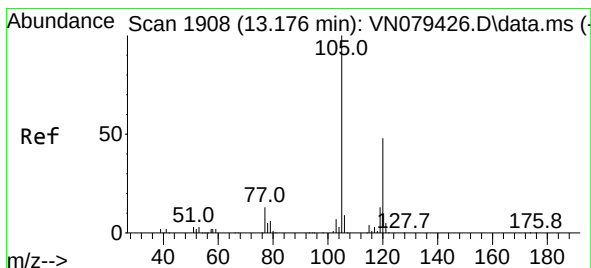
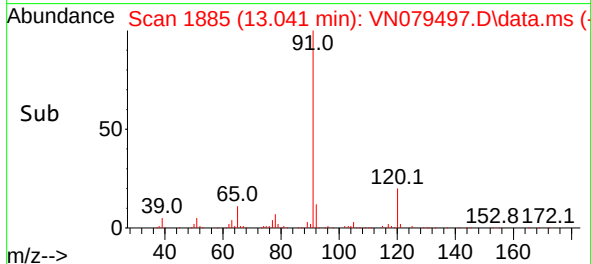
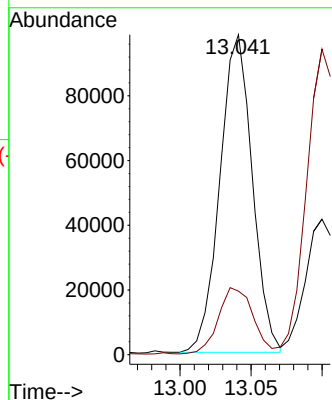
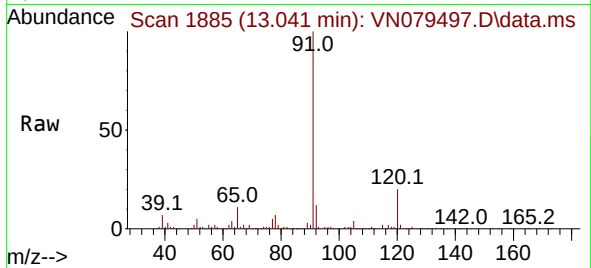




#78
n-propylbenzene
Concen: 8.575 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

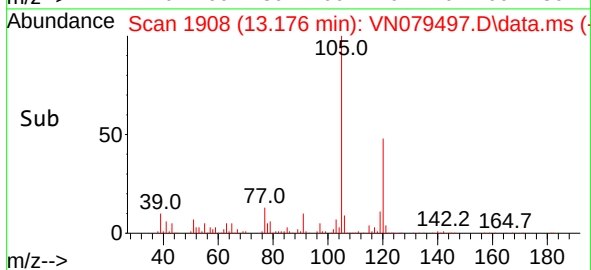
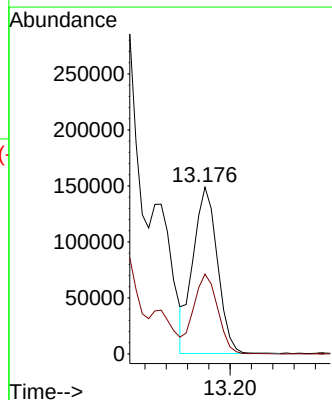
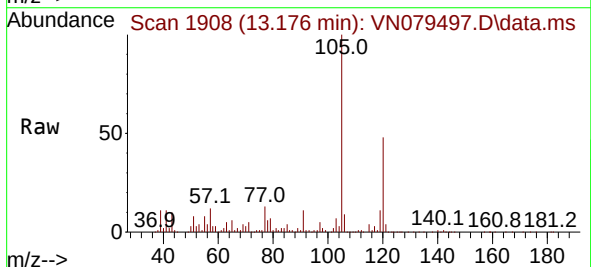
Instrument :
MSVOA_N
ClientSampleId :
1037DL

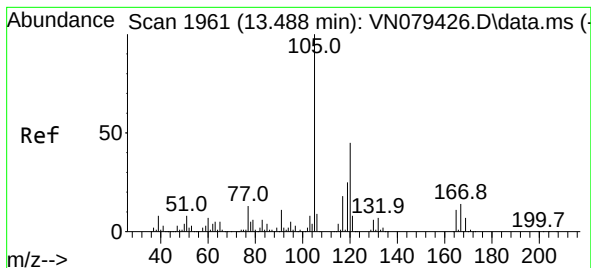
Tgt Ion: 91 Resp: 155771
Ion Ratio Lower Upper
91 100
120 22.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 18.598 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079497.D
Acq: 10 Oct 2023 16:49

Tgt Ion:105 Resp: 235471
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.3





#84

1,2,4-Trimethylbenzene

Concen: 78.026 ug/l

RT: 13.482 min Scan# 1961

Delta R.T. -0.006 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

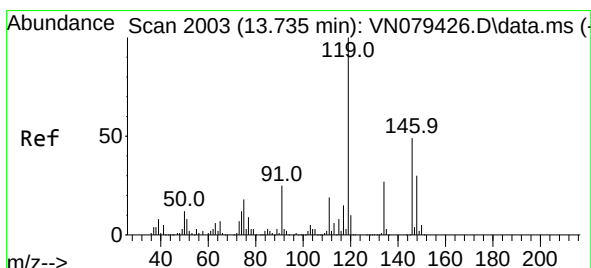
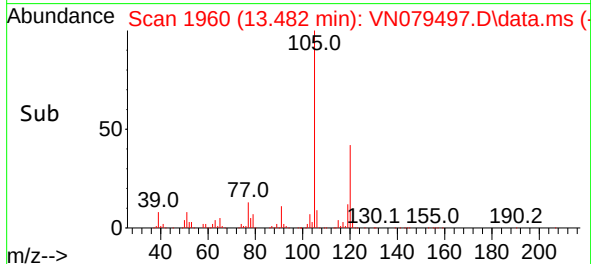
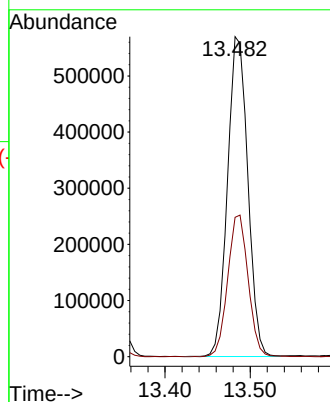
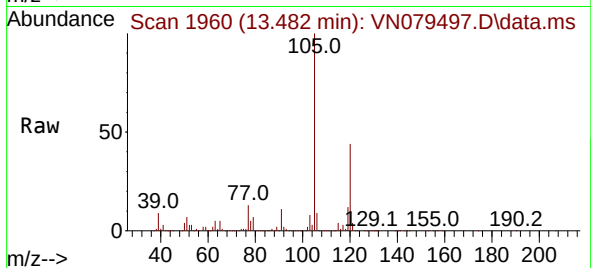
1037DL

Tgt Ion:105 Resp: 942775

Ion Ratio Lower Upper

105 100

120 44.6 22.0 66.0



#86

p-Isopropyltoluene

Concen: 1.214 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.006 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

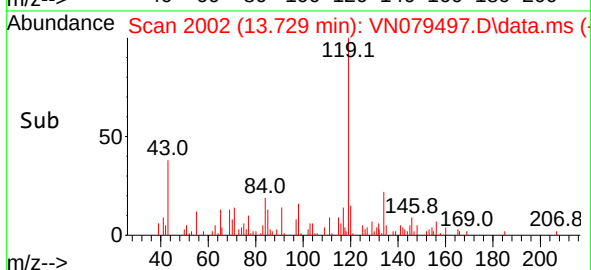
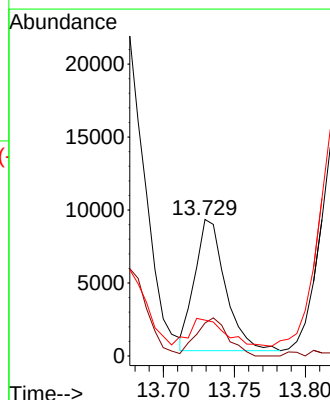
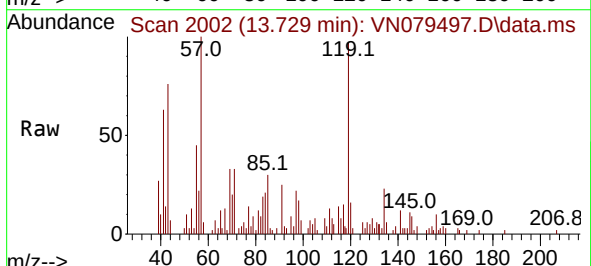
Tgt Ion:119 Resp: 13478

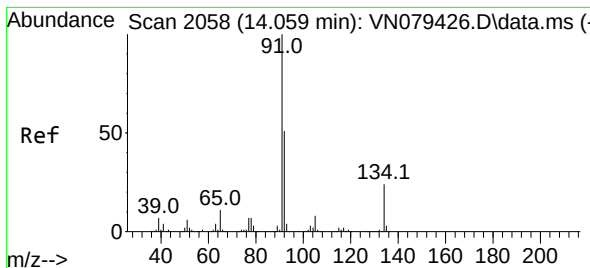
Ion Ratio Lower Upper

119 100

134 29.7 12.6 37.8

91 24.1 12.4 37.2





#89

n-Butylbenzene

Concen: 4.365 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

Instrument :

MSVOA_N

ClientSampleId :

1037DL

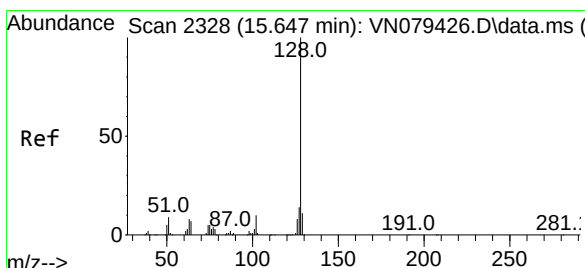
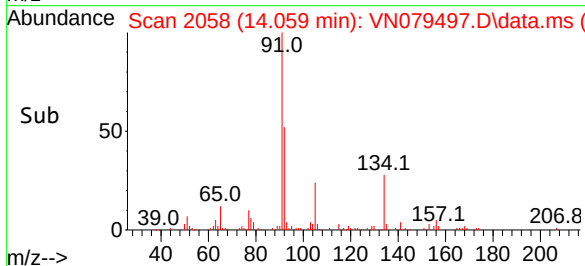
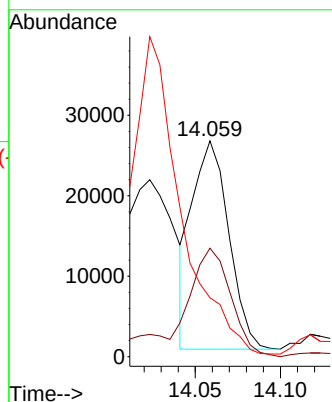
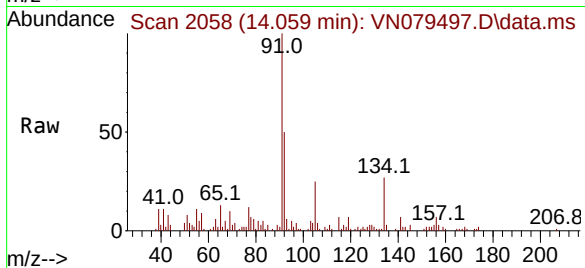
Tgt Ion: 91 Resp: 38691

Ion Ratio Lower Upper

91 100

92 57.3 26.4 79.0

134 0.0 12.6 37.6#



#95

Naphthalene

Concen: 21.722 ug/l

RT: 15.647 min Scan# 2328

Delta R.T. -0.000 min

Lab File: VN079497.D

Acq: 10 Oct 2023 16:49

Tgt Ion:128 Resp: 125127

Ion Ratio Lower Upper

128 100

127 13.5 10.0 15.0

129 11.7 8.7 13.1

