

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071323\
 Data File : VN078500.D
 Acq On : 13 Jul 2023 15:49
 Operator : JC\MD
 Sample : 03610-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 230712058-02-VOA

Quant Time: Jul 14 02:34:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

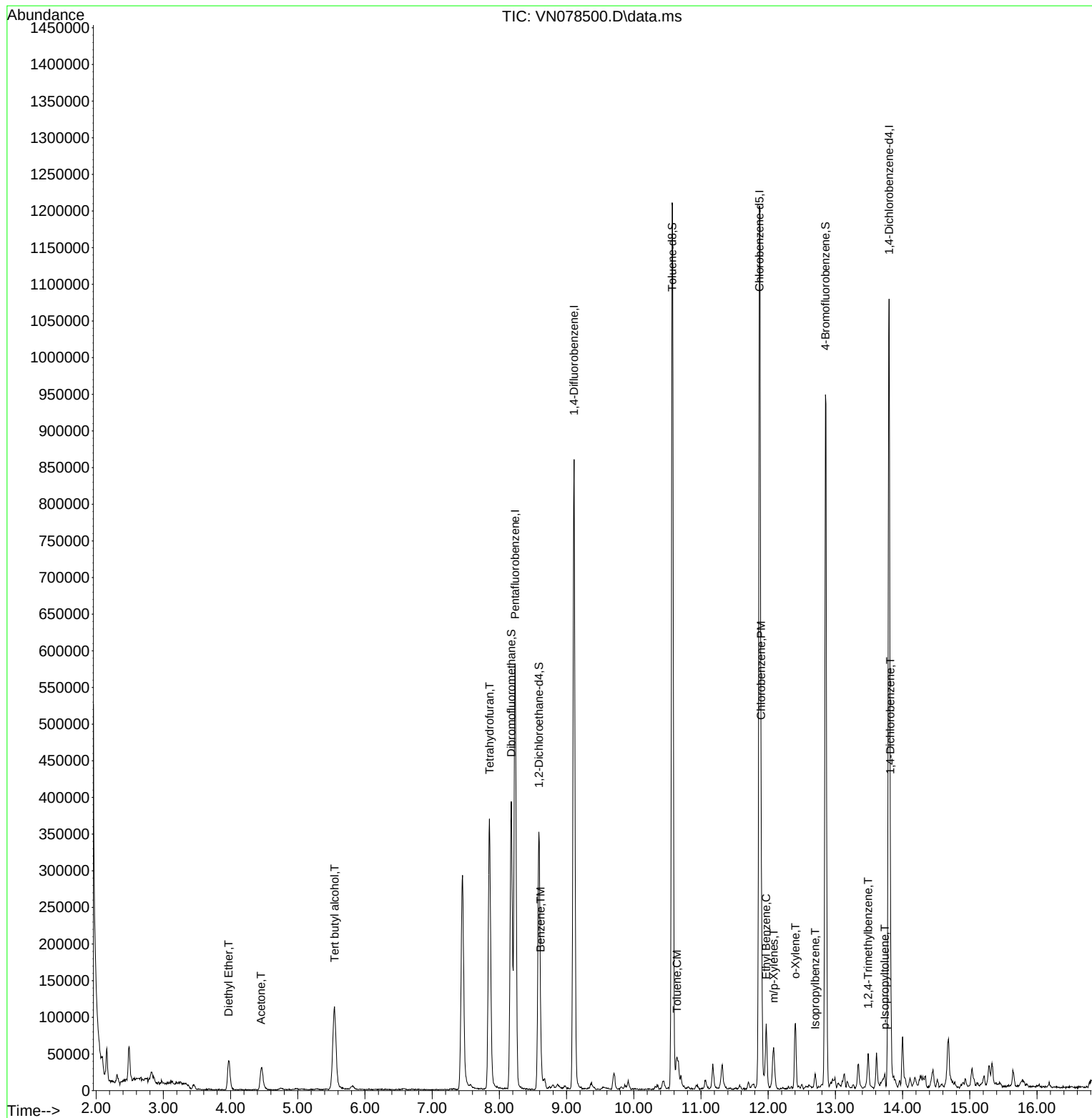
Internal Standards						
1) Pentafluorobenzene	8.235	168	428592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	753129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	718697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	288506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	280342	48.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.580%
35) Dibromofluoromethane	8.177	113	281631	55.087	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	110.180%
50) Toluene-d8	10.571	98	879588	45.543	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.080%
62) 4-Bromofluorobenzene	12.853	95	331388	55.705	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.420%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.971	74	23892	8.119	ug/l	71
11) Tert butyl alcohol	5.547	59	196840	222.165	ug/l	100
16) Acetone	4.453	43	16728	9.346	ug/l	92
29) Tetrahydrofuran	7.853	42	266269	144.032	ug/l	86
40) Benzene	8.612	78	28015	1.281	ug/l	98
52) Toluene	10.641	92	14691	1.084	ug/l	97
65) Chlorobenzene	11.894	112	122365	7.617	ug/l	97
67) Ethyl Benzene	11.970	91	53574	1.973	ug/l	96
68) m/p-Xylenes	12.082	106	18597	1.852	ug/l	95
69) o-Xylene	12.406	106	23406	2.308	ug/l	90
73) Isopropylbenzene	12.700	105	9417	0.347	ug/l	88
84) 1,2,4-Trimethylbenzene	13.488	105	24243	1.165	ug/l	94
86) p-Isopropyltoluene	13.735	119	5990	0.325	ug/l	94
88) 1,4-Dichlorobenzene	13.817	146	52379	4.997	ug/l	91

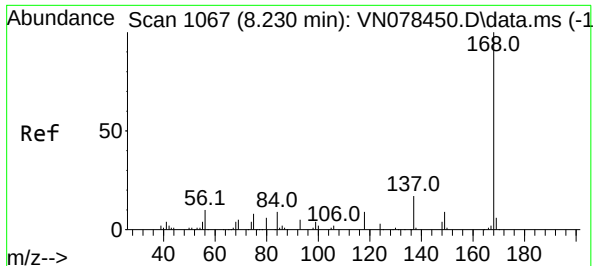
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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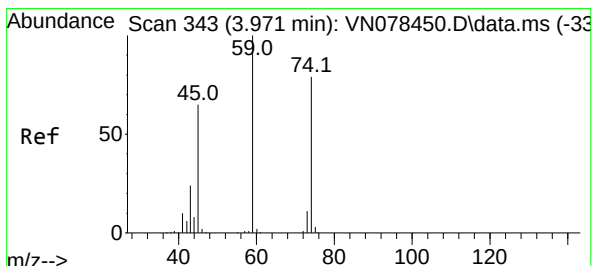
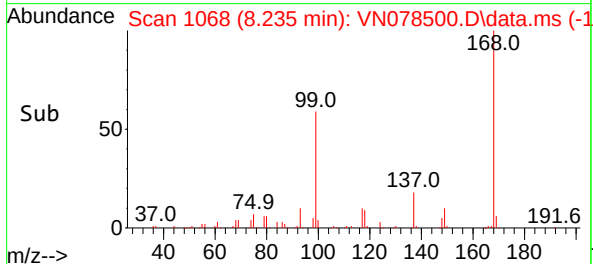
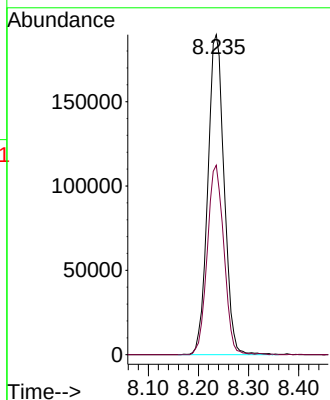
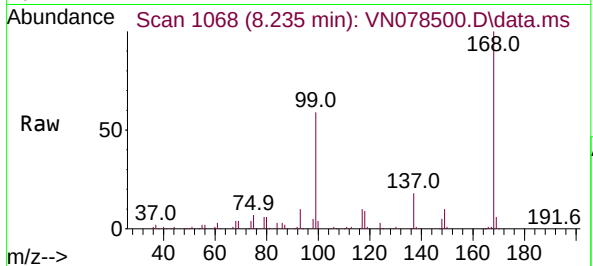




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

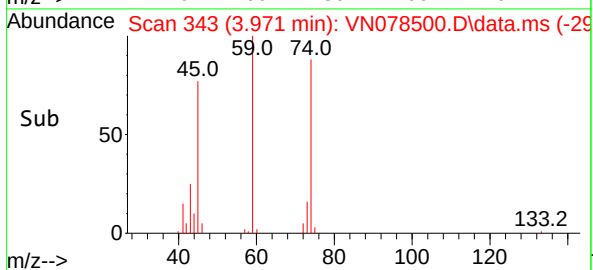
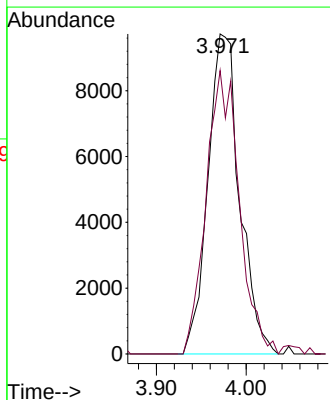
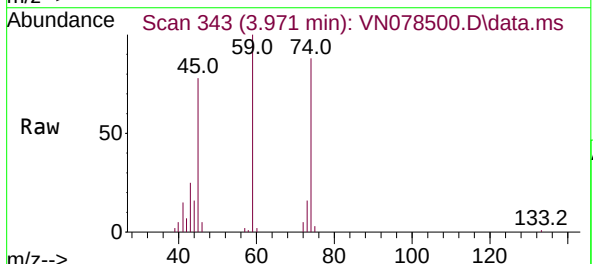
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

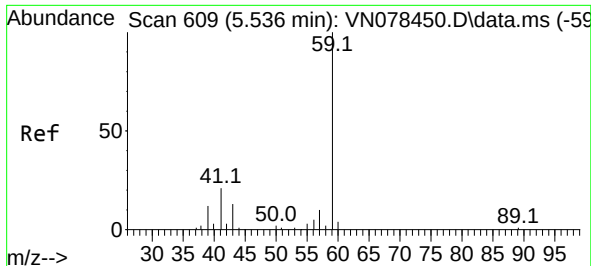
Tgt Ion:168 Resp: 428592
Ion Ratio Lower Upper
168 100
99 59.2 53.0 79.6



#8
Diethyl Ether
Concen: 8.119 ug/l
RT: 3.971 min Scan# 343
Delta R.T. 0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 74 Resp: 23892
Ion Ratio Lower Upper
74 100
45 92.4 34.4 103.3

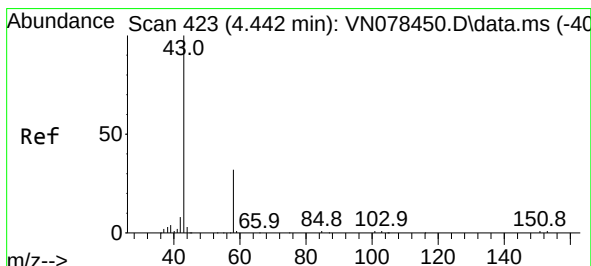
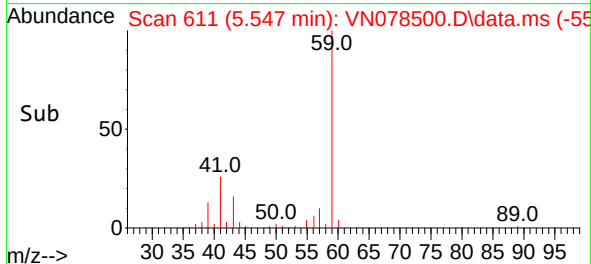
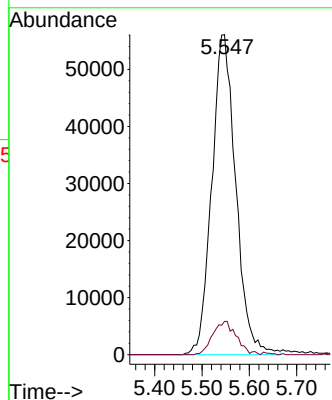
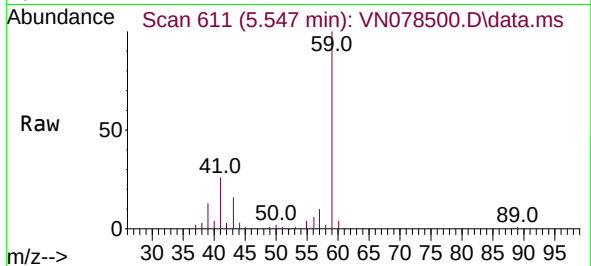




#11
Tert butyl alcohol
Concen: 222.165 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

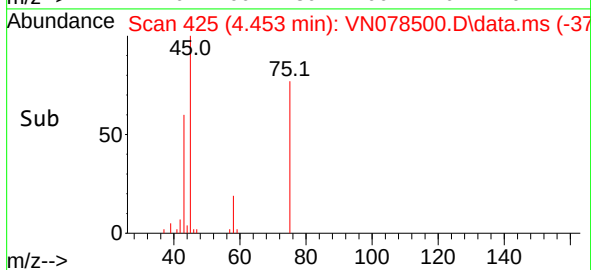
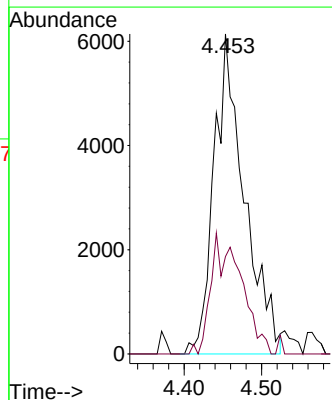
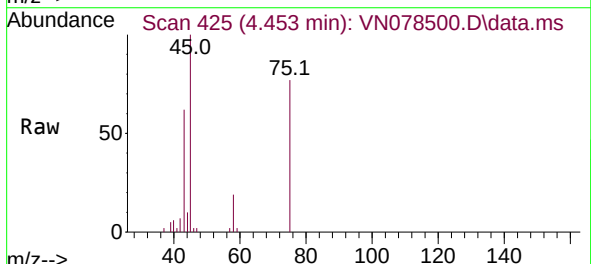
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

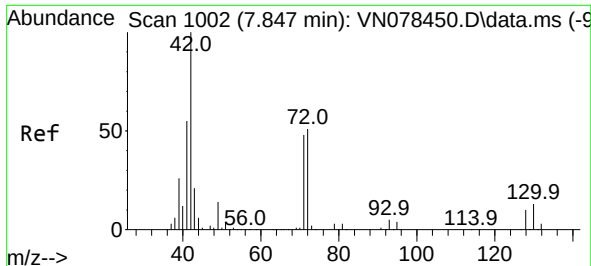
Tgt Ion: 59 Resp: 196840
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#16
Acetone
Concen: 9.346 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.011 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

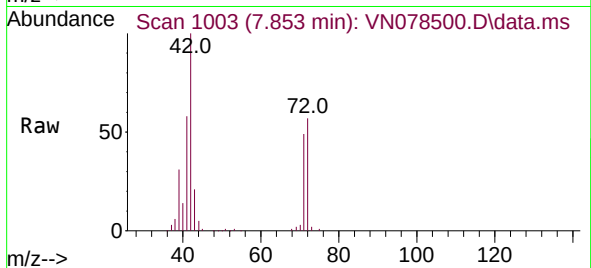
Tgt Ion: 43 Resp: 16728
Ion Ratio Lower Upper
43 100
58 30.5 28.0 42.0



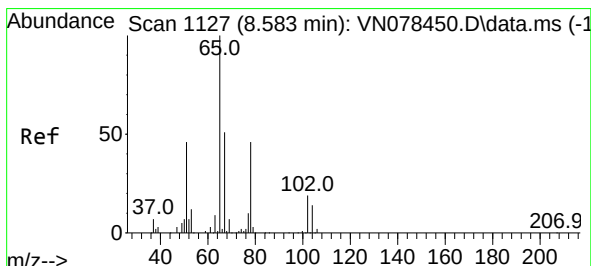
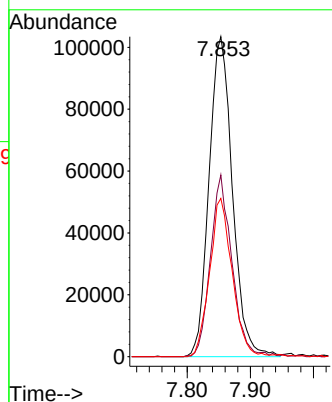
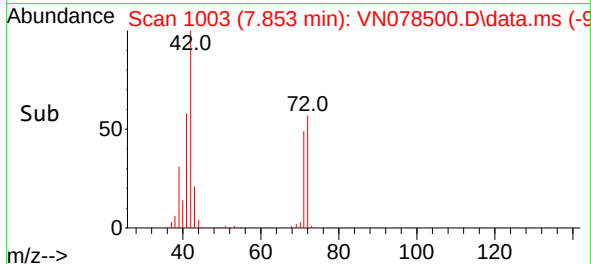


#29
Tetrahydrofuran
Concen: 144.032 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

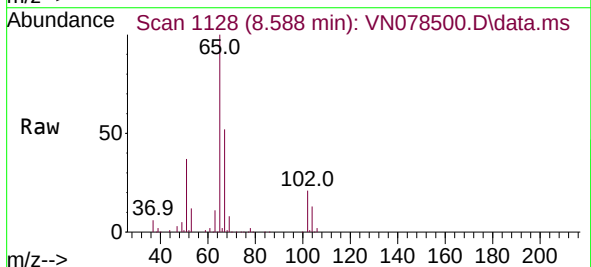
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA



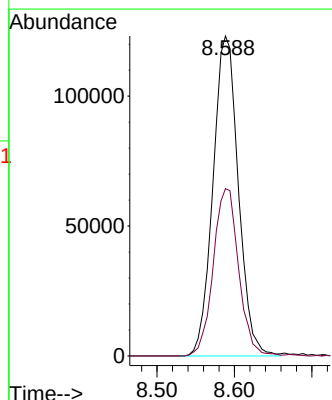
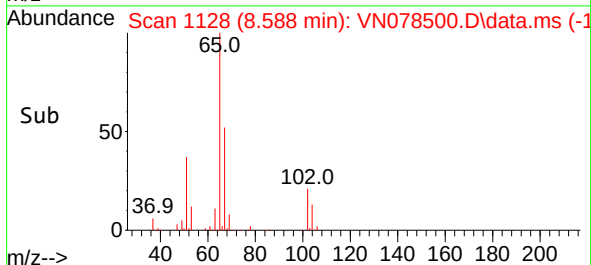
Tgt Ion: 42 Resp: 266269
Ion Ratio Lower Upper
42 100
72 52.1 49.8 74.6
71 47.6 47.4 71.2

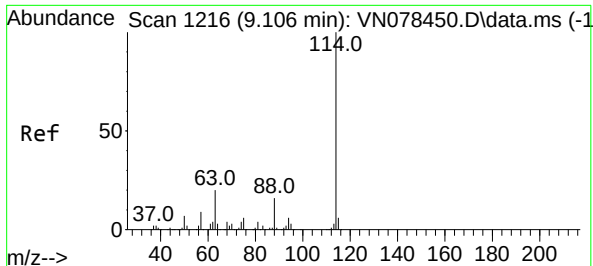


#33
1,2-Dichloroethane-d4
Concen: 48.791 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49



Tgt Ion: 65 Resp: 280342
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

230712058-02-VOA

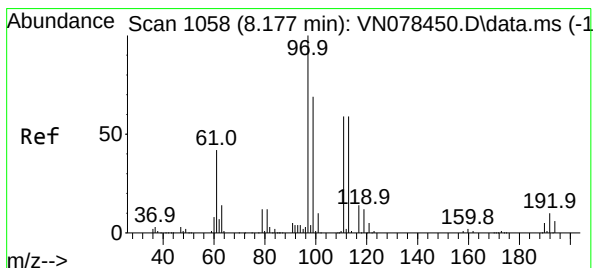
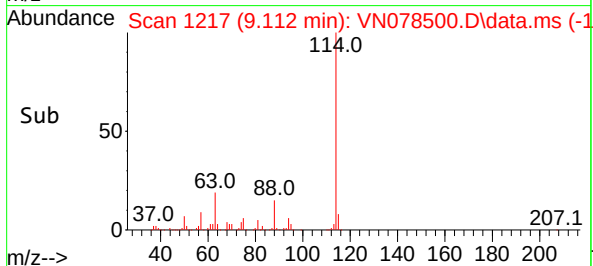
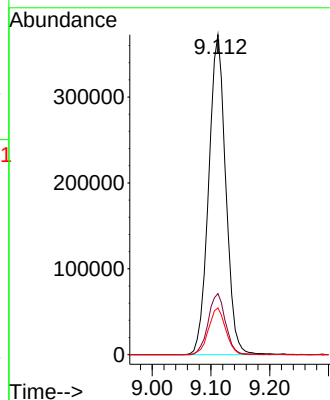
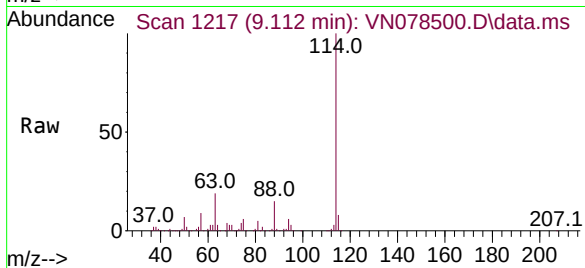
Tgt Ion:114 Resp: 753129

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.4

88 14.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.087 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

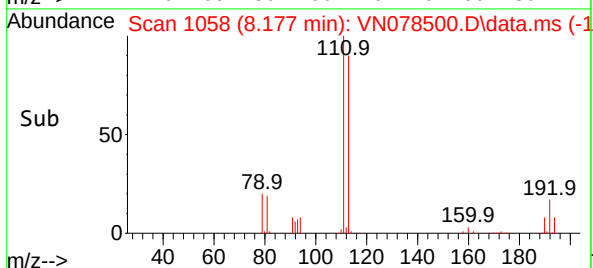
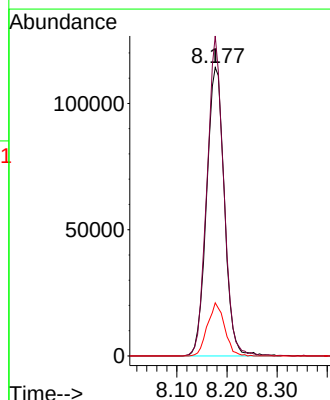
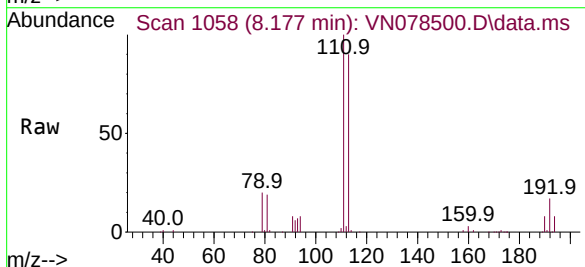
Tgt Ion:113 Resp: 281631

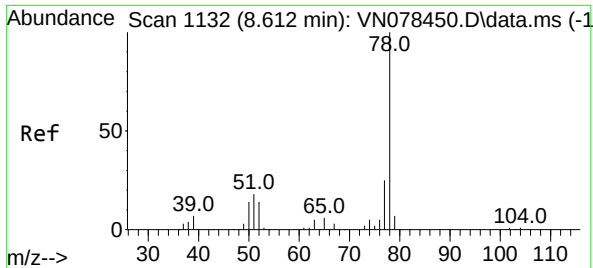
Ion Ratio Lower Upper

113 100

111 103.9 82.6 123.8

192 17.8 12.7 19.1

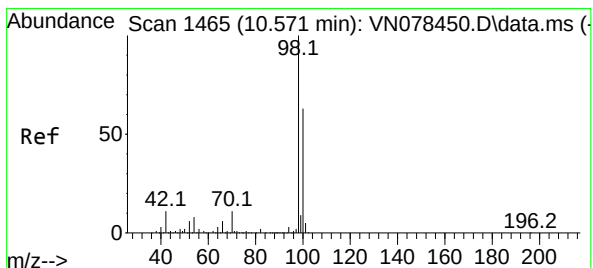
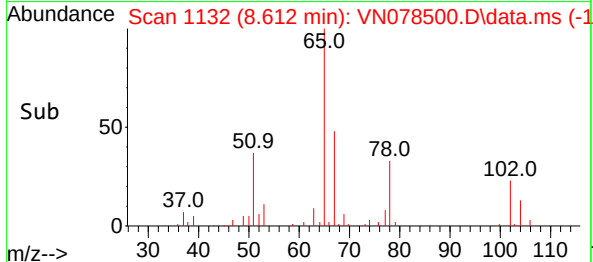
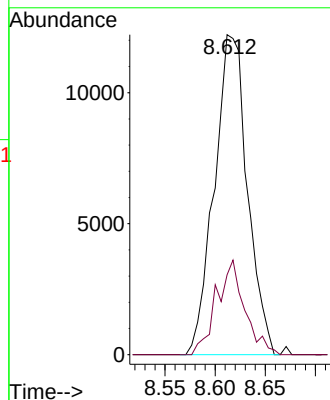
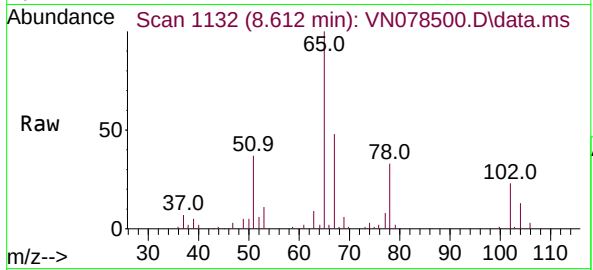




#40
Benzene
Concen: 1.281 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

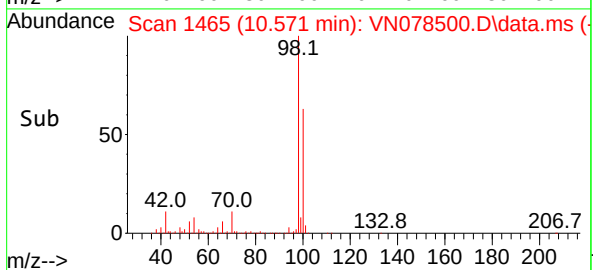
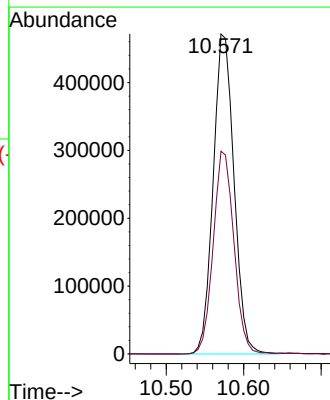
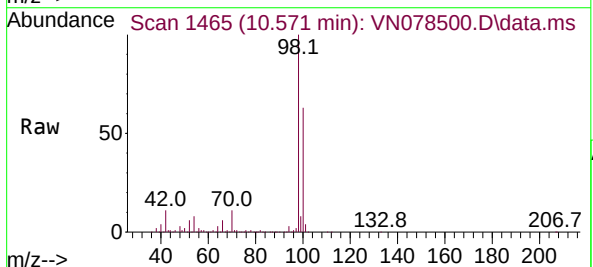
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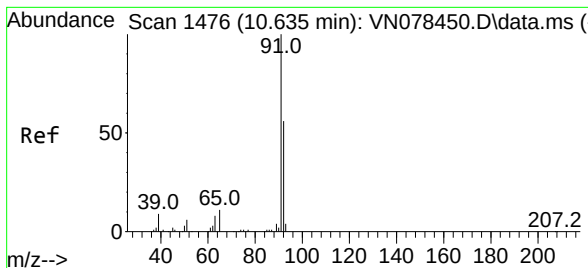
Tgt Ion: 78 Resp: 28015
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6



#50
Toluene-d8
Concen: 45.543 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion: 98 Resp: 879588
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0





#52

Toluene

Concen: 1.084 ug/l

RT: 10.641 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

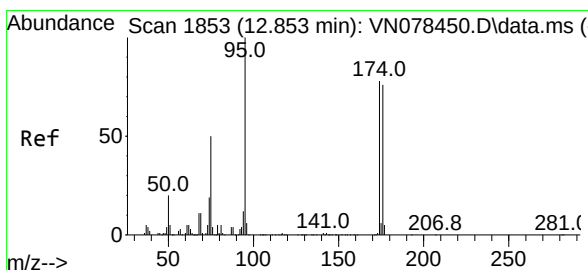
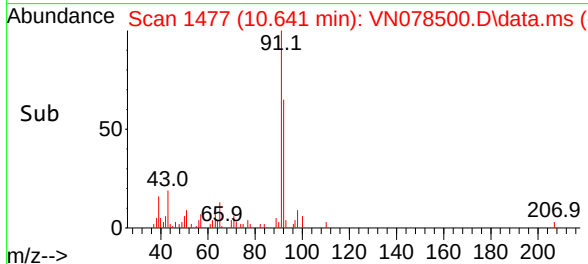
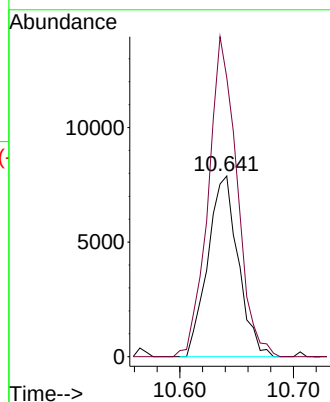
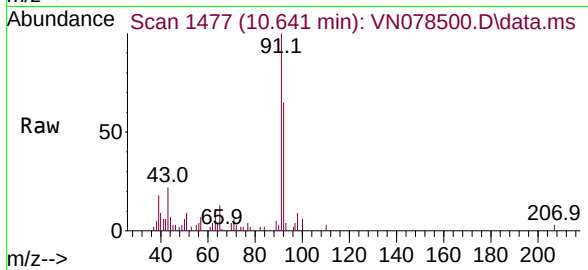
230712058-02-VOA

Tgt Ion: 92 Resp: 14691

Ion Ratio Lower Upper

92 100

91 167.4 137.4 206.0



#62

4-Bromofluorobenzene

Concen: 55.705 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

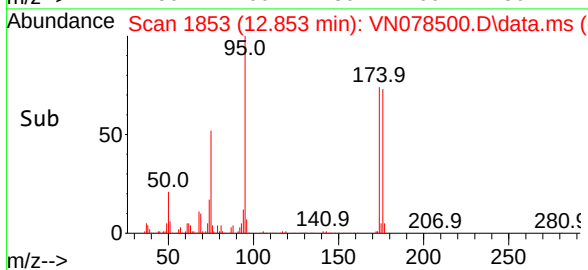
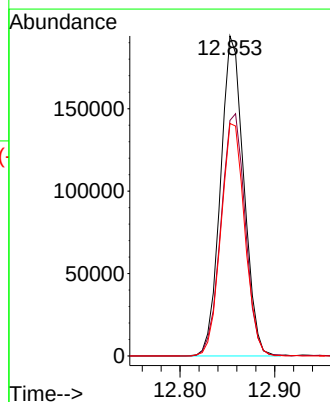
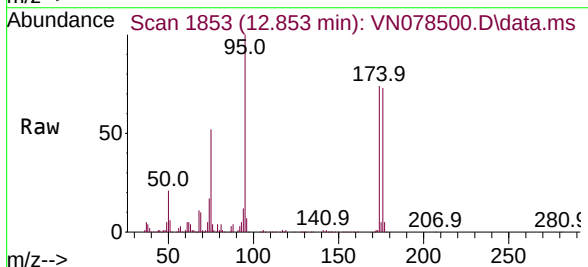
Tgt Ion: 95 Resp: 331388

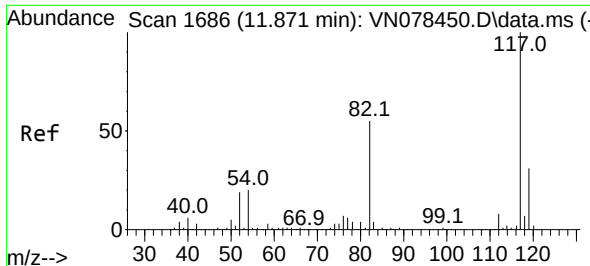
Ion Ratio Lower Upper

95 100

174 78.5 0.0 143.8

176 74.5 0.0 135.8

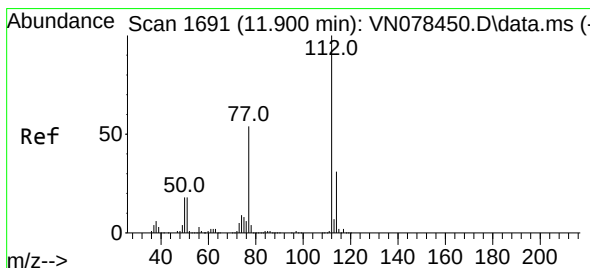
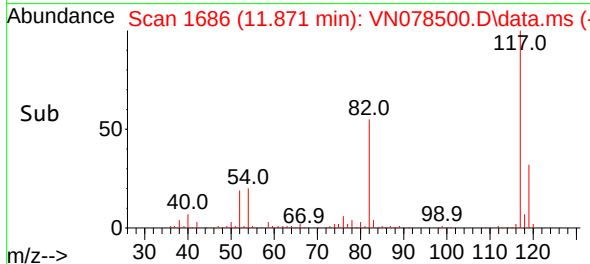
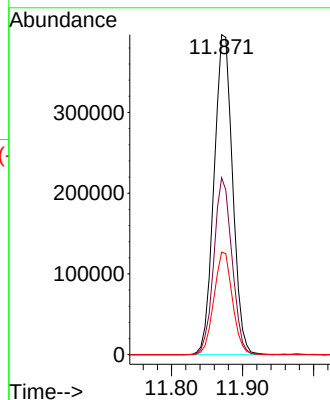
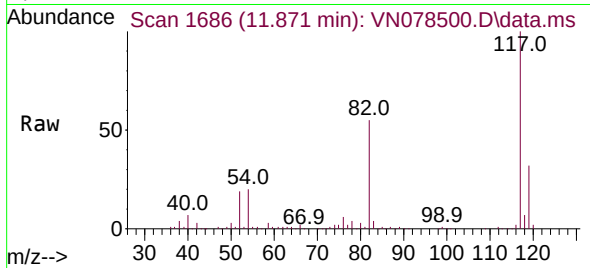




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

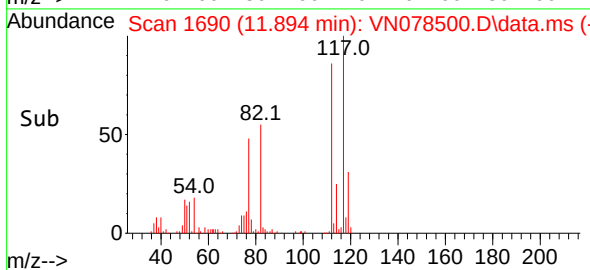
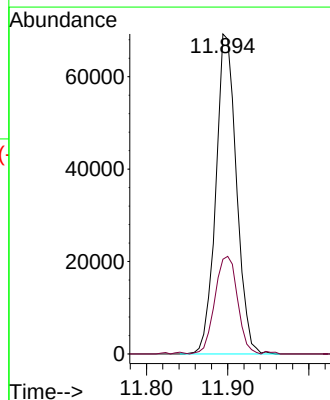
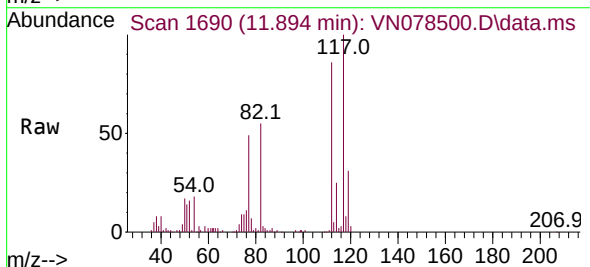
Instrument :
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230712058-02-VOA

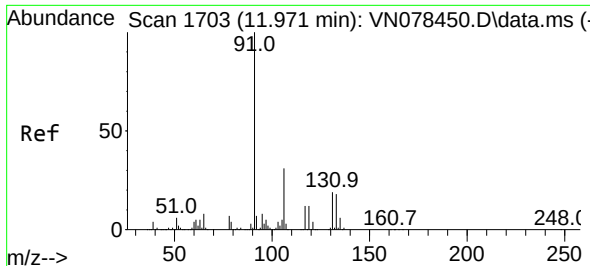
Tgt Ion:117 Resp: 718697
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 32.1 25.6 38.4



#65
Chlorobenzene
Concen: 7.617 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:112 Resp: 122365
Ion Ratio Lower Upper
112 100
114 29.6 25.0 37.4

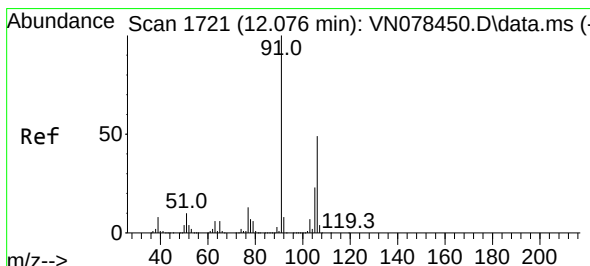
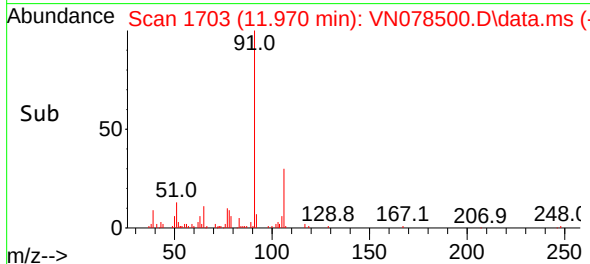
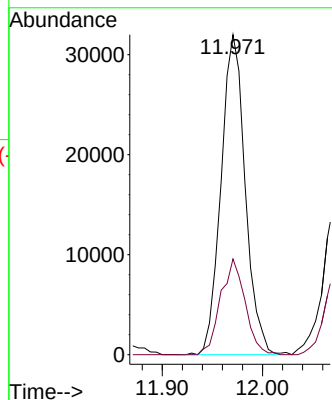
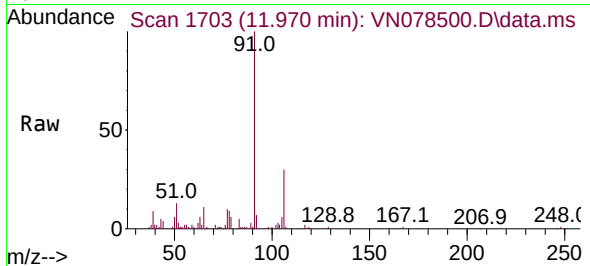




#67
Ethyl Benzene
Concen: 1.973 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

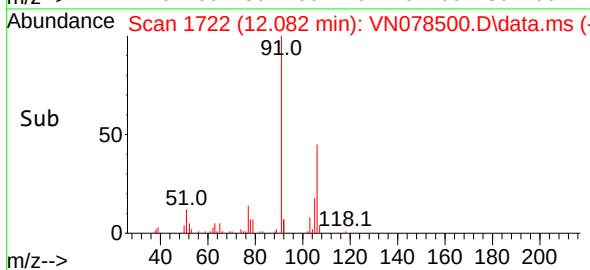
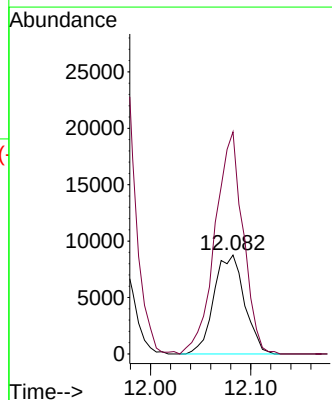
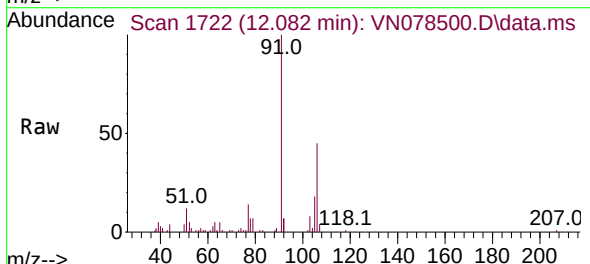
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

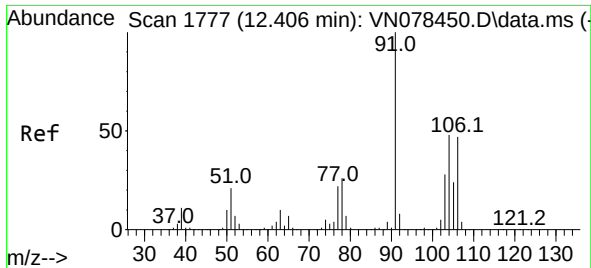
Tgt Ion: 91 Resp: 53574
Ion Ratio Lower Upper
91 100
106 29.9 25.6 38.4



#68
m/p-Xylenes
Concen: 1.852 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:106 Resp: 18597
Ion Ratio Lower Upper
106 100
91 206.5 159.6 239.4

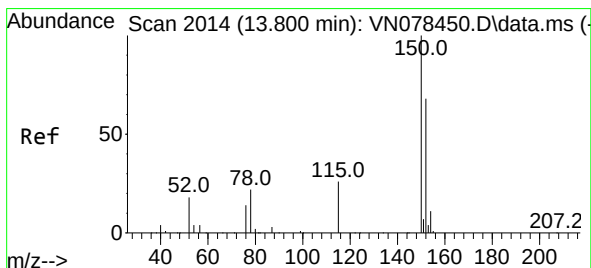
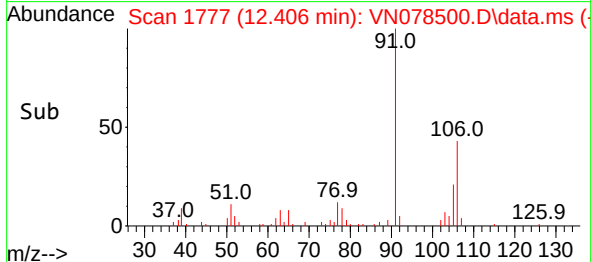
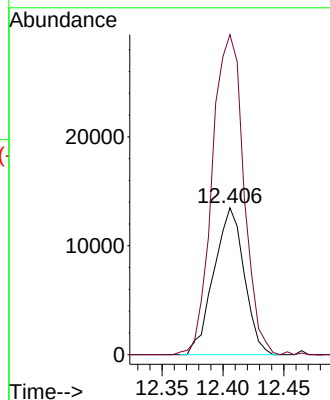
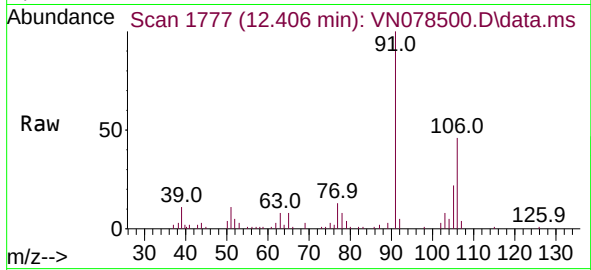




#69
o-Xylene
Concen: 2.308 ug/l
RT: 12.406 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

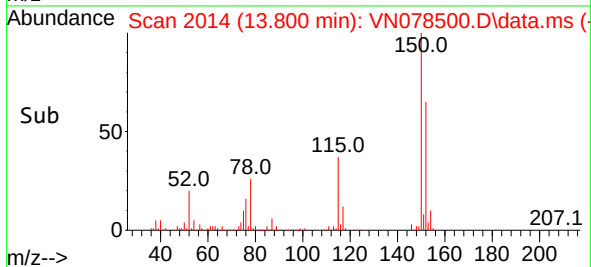
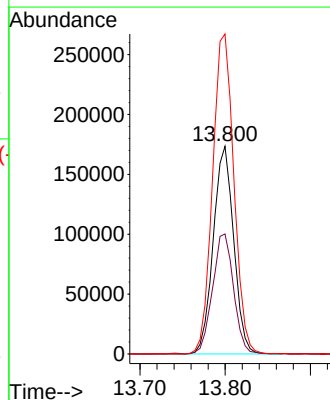
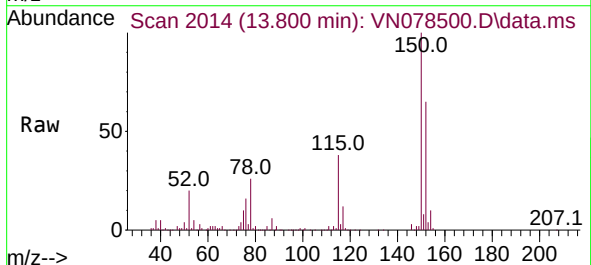
Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

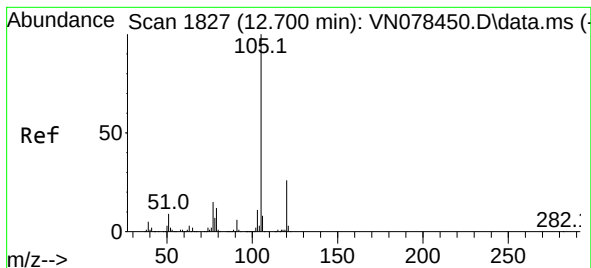
Tgt Ion:106 Resp: 23406
Ion Ratio Lower Upper
106 100
91 226.1 105.2 315.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:152 Resp: 288506
Ion Ratio Lower Upper
152 100
115 59.6 32.3 96.8
150 160.8 0.0 355.8





#73

Isopropylbenzene

Concen: 0.347 ug/l

RT: 12.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078500.D

Acq: 13 Jul 2023 15:49

Instrument :

MSVOA_N

ClientSampleId :

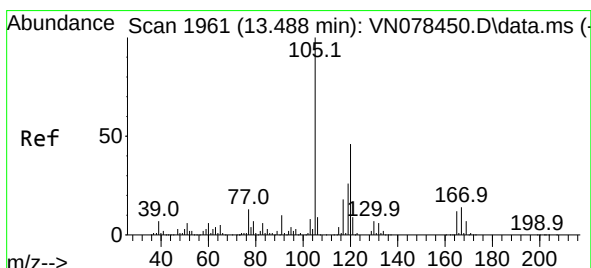
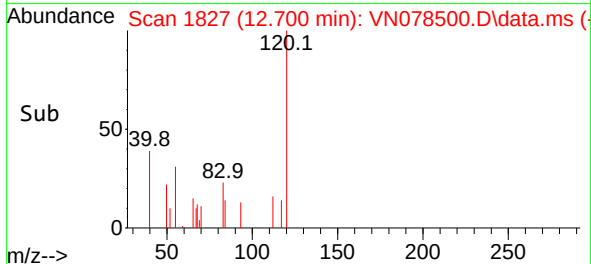
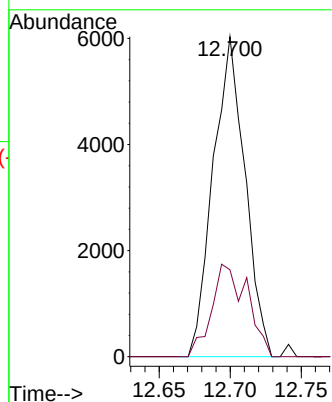
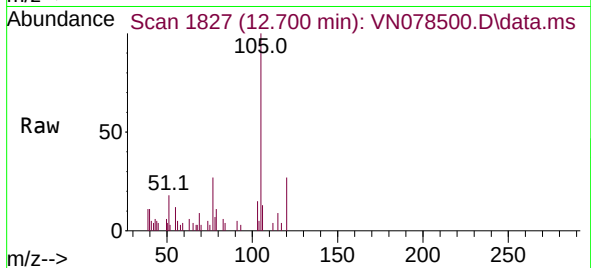
230712058-02-VOA

Tgt Ion:105 Resp: 9417

Ion Ratio Lower Upper

105 100

120 32.3 13.1 39.1



#84

1,2,4-Trimethylbenzene

Concen: 1.165 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078500.D

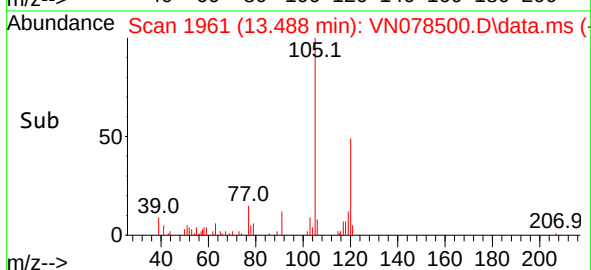
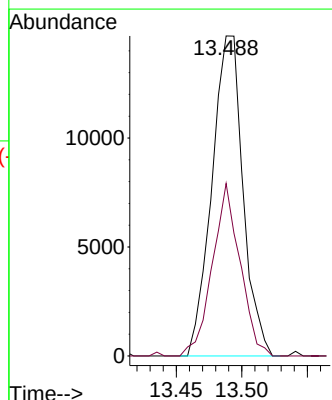
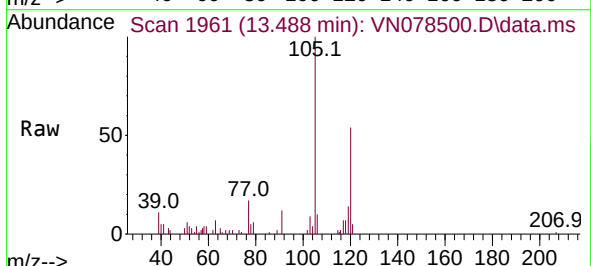
Acq: 13 Jul 2023 15:49

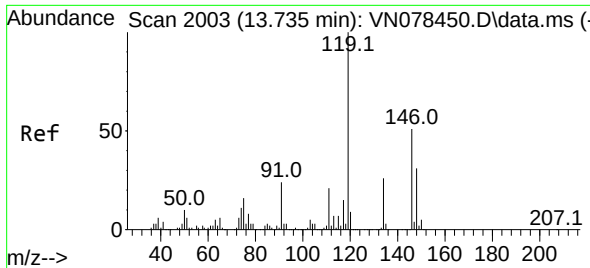
Tgt Ion:105 Resp: 24243

Ion Ratio Lower Upper

105 100

120 47.9 22.0 66.0

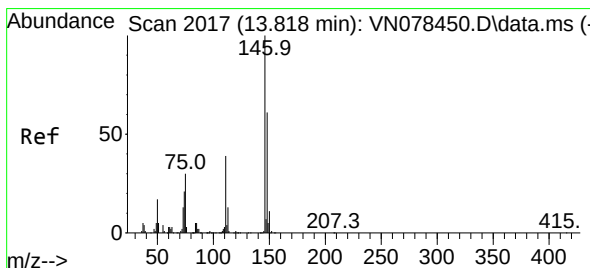
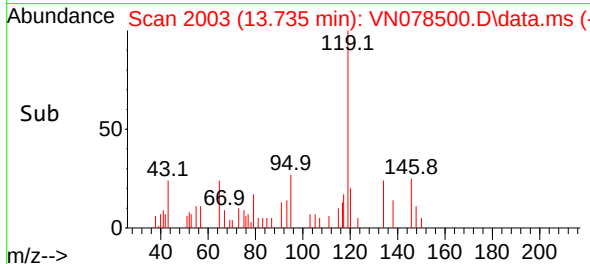
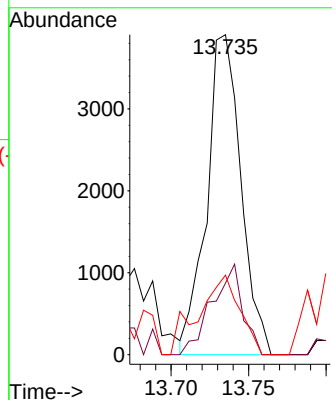
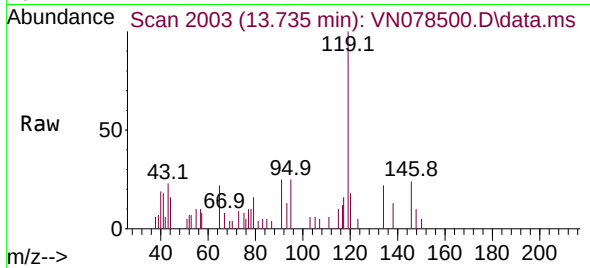




#86
p-Isopropyltoluene
Concen: 0.325 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Instrument :
MSVOA_N
ClientSampleId :
230712058-02-VOA

Tgt Ion:	119	Resp:	5990
Ion Ratio	Lower	Upper	
119	100		
134	25.6	12.6	37.8
91	30.2	12.4	37.2



#88
1,4-Dichlorobenzene
Concen: 4.997 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.001 min
Lab File: VN078500.D
Acq: 13 Jul 2023 15:49

Tgt Ion:	146	Resp:	52379
Ion Ratio	Lower	Upper	
146	100		
111	50.1	20.6	61.8
148	68.2	31.6	94.8

