

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012324\
 Data File : VN080757.D
 Acq On : 23 Jan 2024 12:51
 Operator : JC\MD
 Sample : P1179-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-4

Quant Time: Jan 24 01:58:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

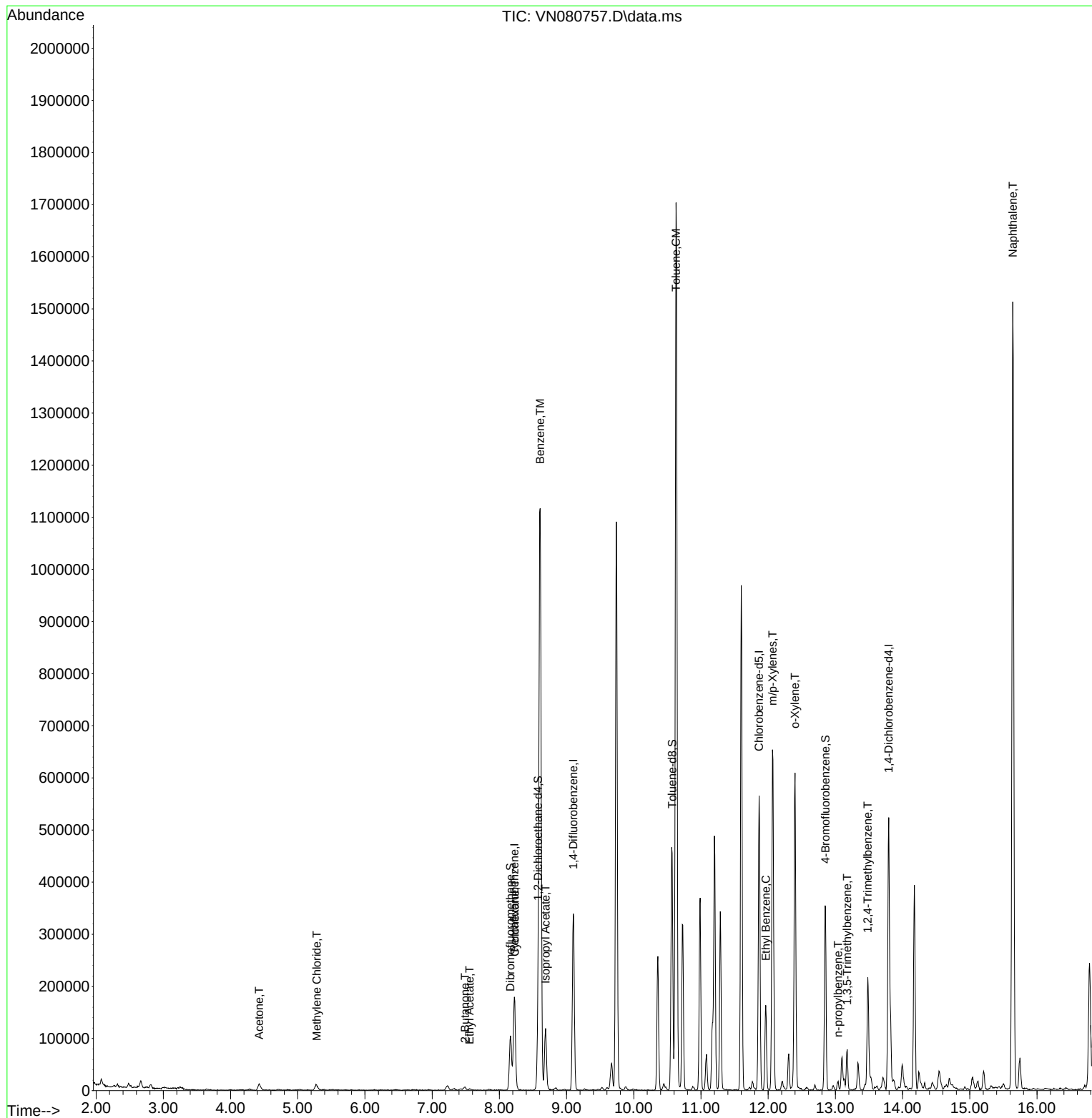
Internal Standards						
1) Pentafluorobenzene	8.224	168	116052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	274969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	117881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	94125	46.185	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.380%
35) Dibromofluoromethane	8.165	113	71795	45.954	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.900%
50) Toluene-d8	10.571	98	306313	51.419	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.840%
62) 4-Bromofluorobenzene	12.853	95	127197	55.680	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	111.360%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	20972	31.344	ug/l #	81
20) Methylene Chloride	5.283	84	6668	3.414	ug/l #	91
25) 2-Butanone	7.488	43	10533	8.709	ug/l #	86
31) Cyclohexane	8.230	56	6775	2.152	ug/l #	41
37) Ethyl Acetate	7.559	43	4265	1.374	ug/l #	90
40) Benzene	8.606	78	1115702	124.013	ug/l	100
43) Isopropyl Acetate	8.688	43	136503	23.930	ug/l #	80
52) Toluene	10.629	92	723594	140.379	ug/l	100
67) Ethyl Benzene	11.965	91	106695	8.839	ug/l	97
68) m/p-Xylenes	12.065	106	192590	45.384	ug/l	90
69) o-Xylene	12.400	106	146735	35.365	ug/l	86
78) n-propylbenzene	13.041	91	14015	1.019	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	38549	4.126	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	122836	13.372	ug/l	90
95) Naphthalene	15.641	128	1304890	158.870	ug/l	100

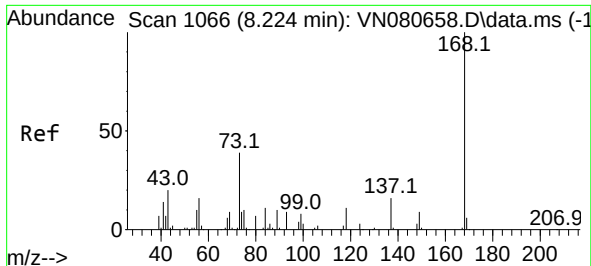
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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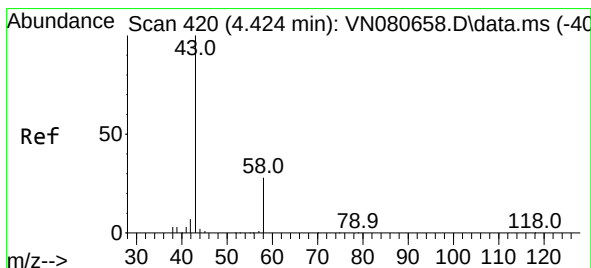
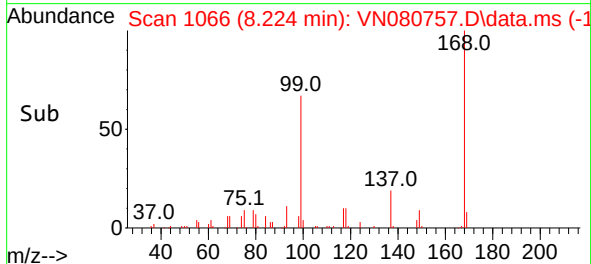
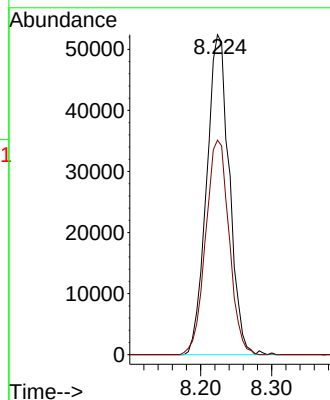
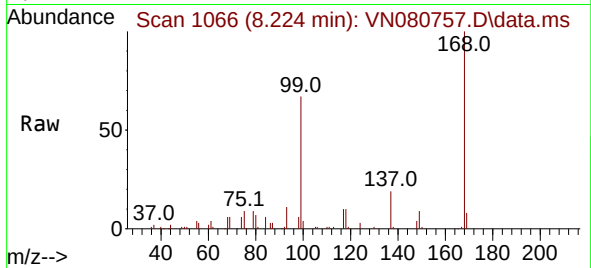




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

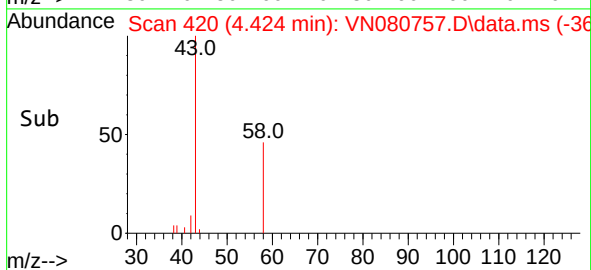
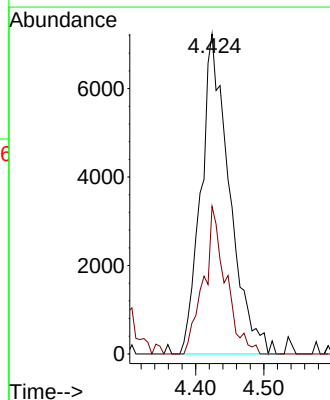
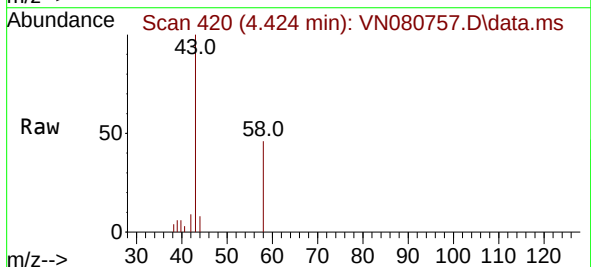
Instrument :
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ClientSampleId :
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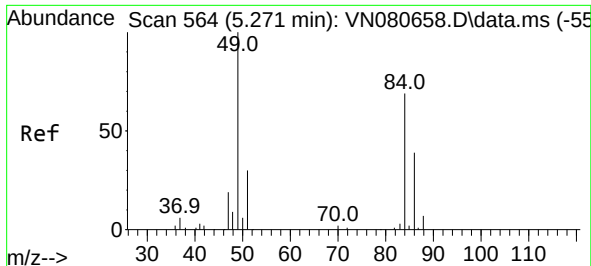
Tgt Ion:168 Resp: 116052
Ion Ratio Lower Upper
168 100
99 67.1 53.0 79.6



#16
Acetone
Concen: 31.344 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 43 Resp: 20972
Ion Ratio Lower Upper
43 100
58 46.1 28.0 42.0#

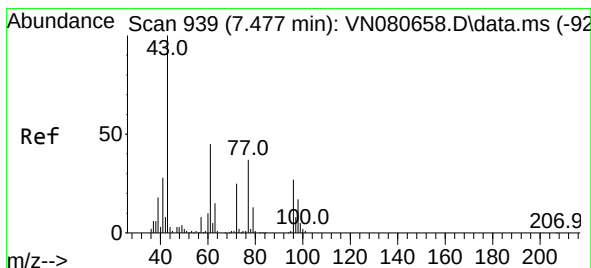
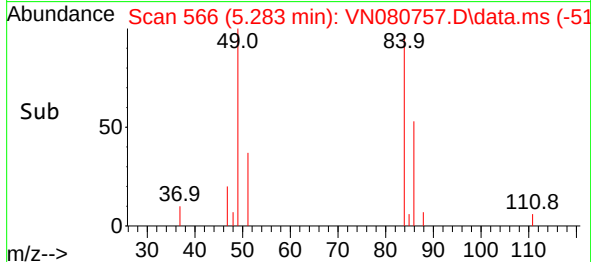
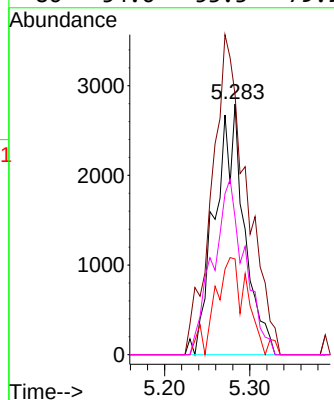
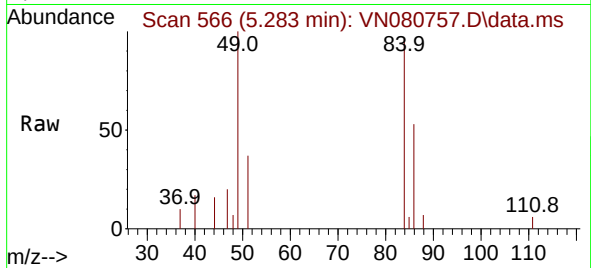




#20
Methylene Chloride
Concen: 3.414 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

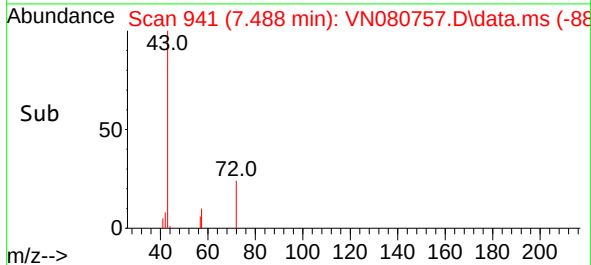
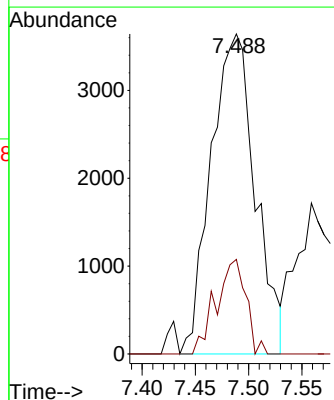
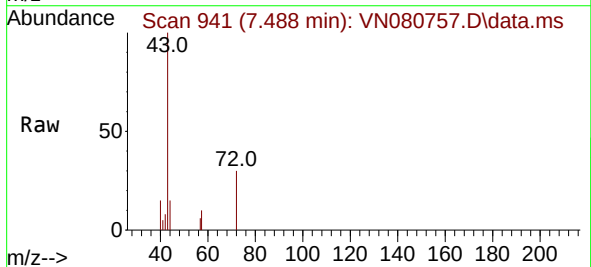
Instrument :
MSVOA_N
ClientSampleId :
S-4

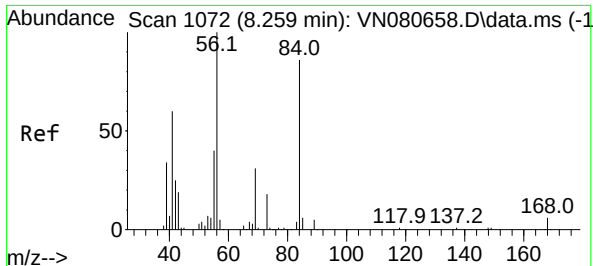
Tgt Ion:	84	Resp:	6668
Ion	Ratio	Lower	Upper
84	100		
49	103.6	79.7	119.5
51	38.2	25.2	37.8#
86	54.6	53.3	79.9



#25
2-Butanone
Concen: 8.709 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion:	43	Resp:	10533
Ion	Ratio	Lower	Upper
43	100		
72	29.5	30.2	45.2#

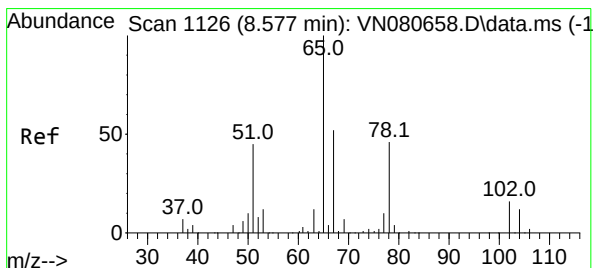
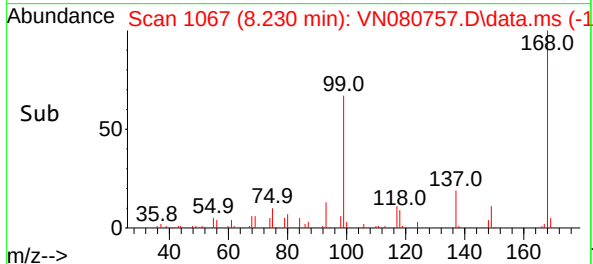
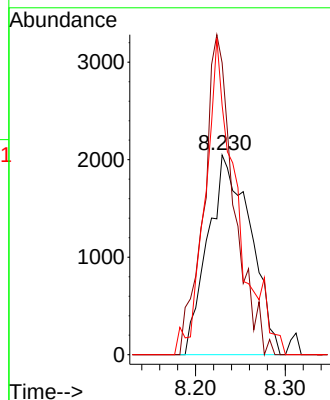
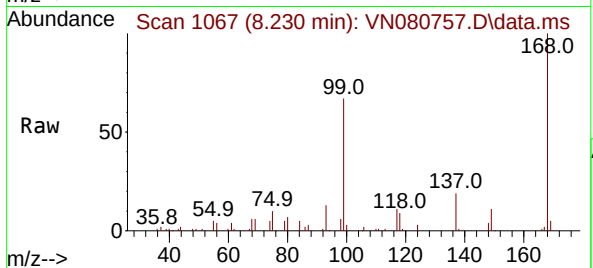




#31
Cyclohexane
Concen: 2.152 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

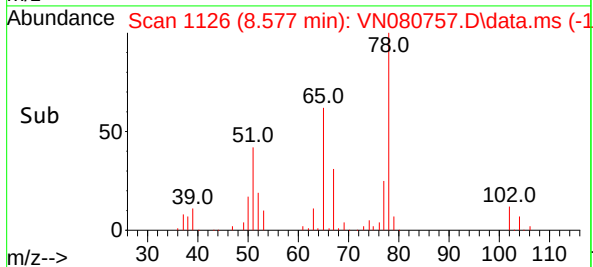
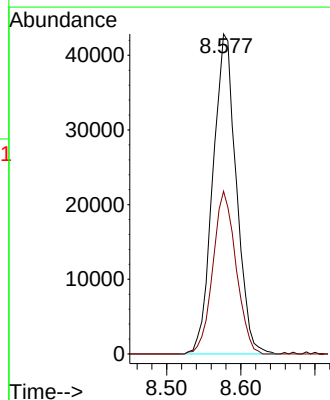
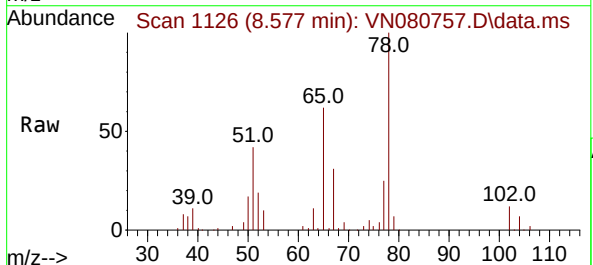
Instrument :
MSVOA_N
ClientSampleId :
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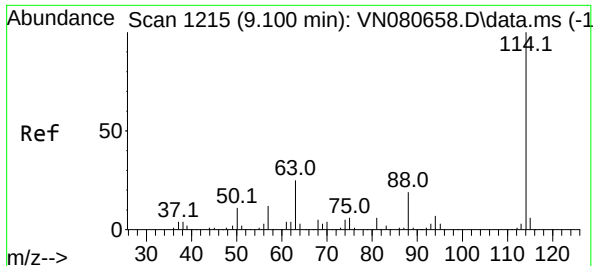
Tgt Ion: 56 Resp: 6775
Ion Ratio Lower Upper
56 100
69 146.1 26.8 40.2#
84 115.3 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 46.185 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 65 Resp: 94125
Ion Ratio Lower Upper
65 100
67 50.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

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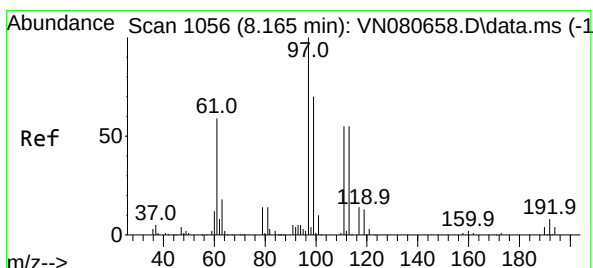
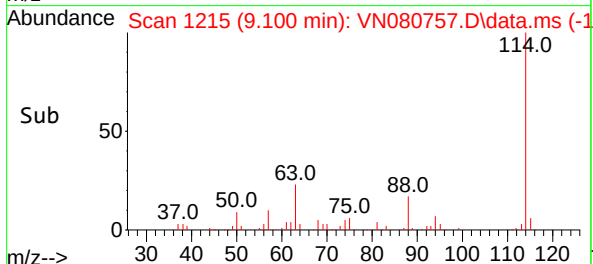
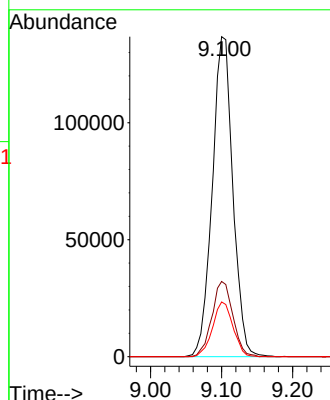
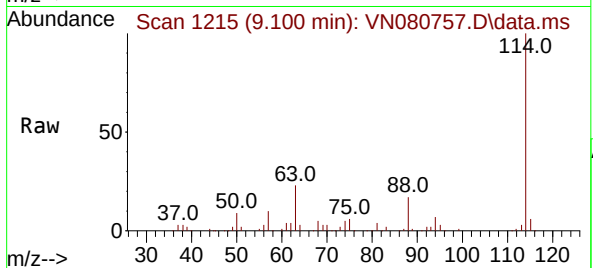
Tgt Ion:114 Resp: 274969

Ion Ratio Lower Upper

114 100

63 23.5 0.0 36.4

88 17.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.954 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

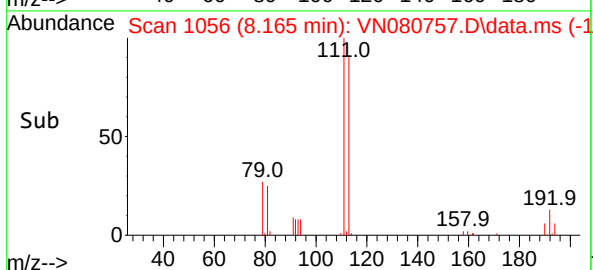
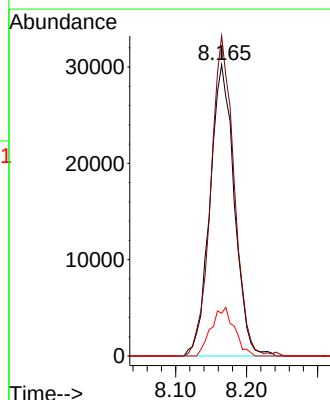
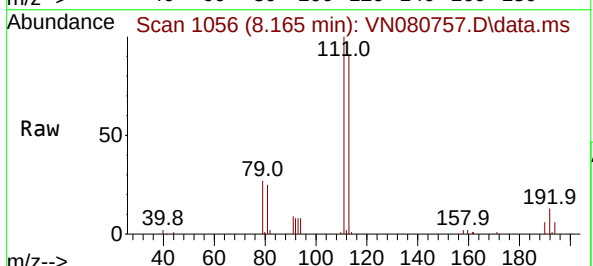
Tgt Ion:113 Resp: 71795

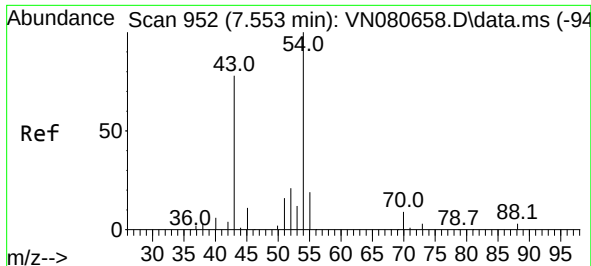
Ion Ratio Lower Upper

113 100

111 105.6 82.6 123.8

192 15.9 12.7 19.1

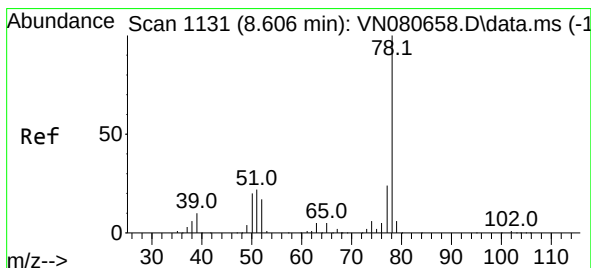
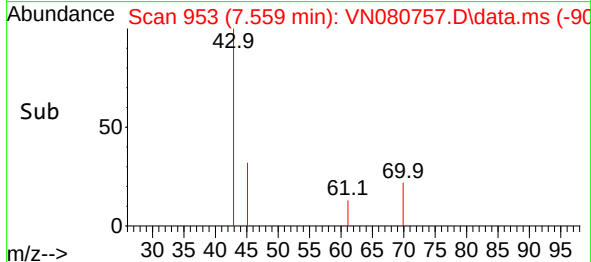
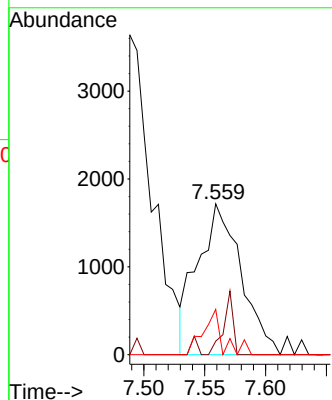
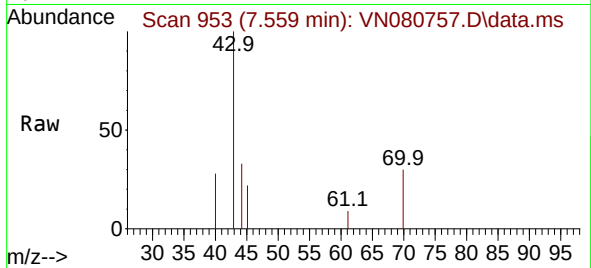




#37
Ethyl Acetate
Concen: 1.374 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

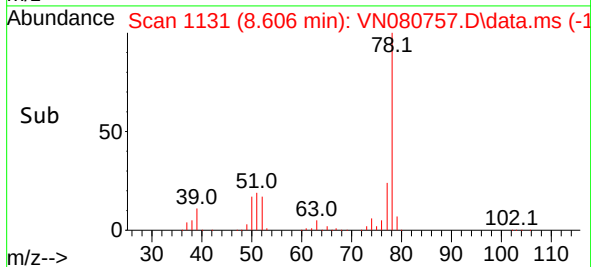
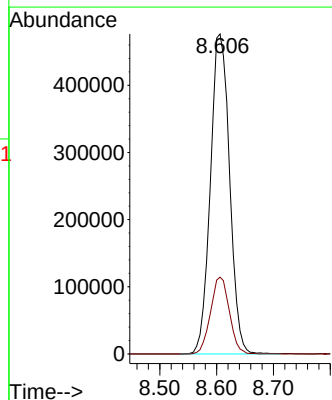
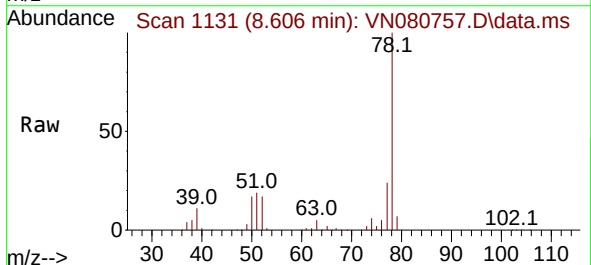
Instrument :
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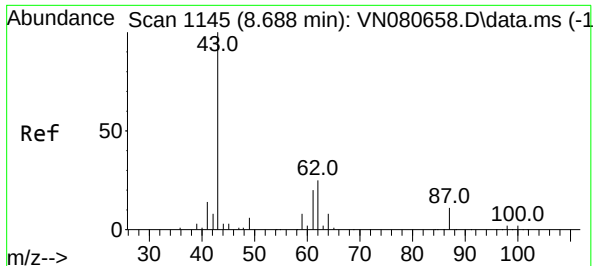
Tgt Ion: 43 Resp: 4265
Ion Ratio Lower Upper
43 100
61 9.2 13.2 19.8#
70 13.5 11.3 16.9



#40
Benzene
Concen: 124.013 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 78 Resp: 1115702
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

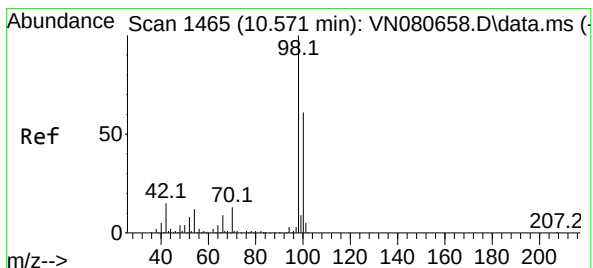
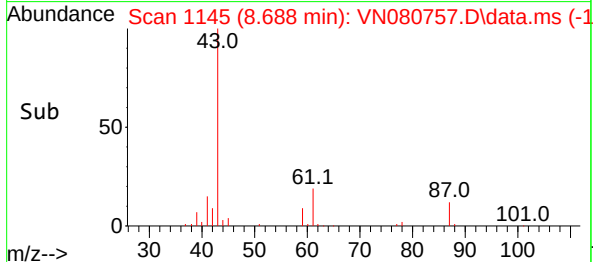
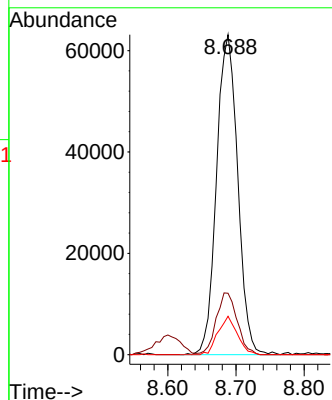
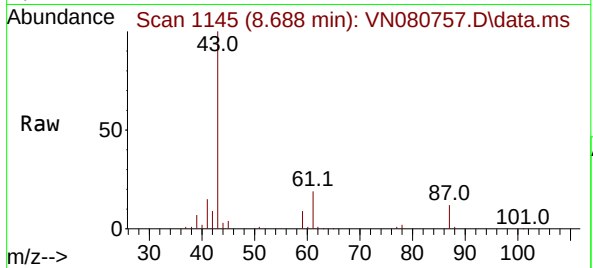




#43
Isopropyl Acetate
Concen: 23.930 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

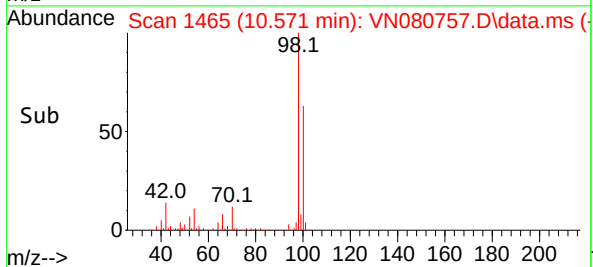
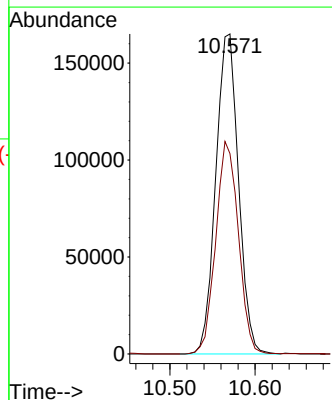
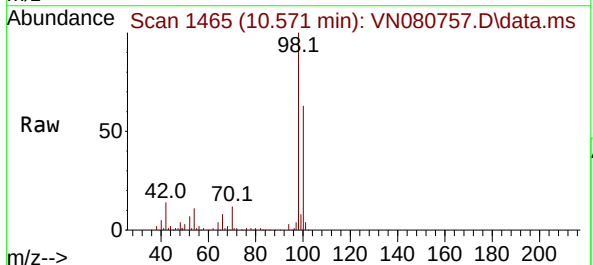
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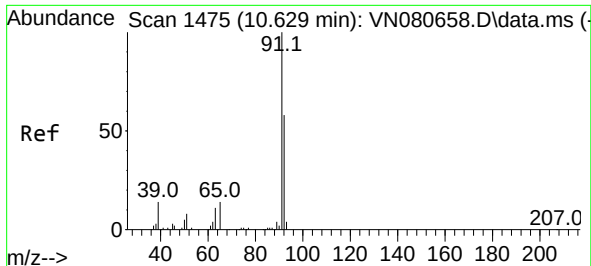
Tgt Ion: 43 Resp: 136503
Ion Ratio Lower Upper
43 100
61 19.2 24.7 37.1#
87 10.9 14.6 21.8#



#50
Toluene-d8
Concen: 51.419 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 98 Resp: 306313
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0

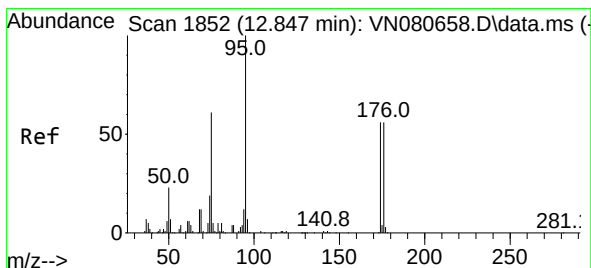
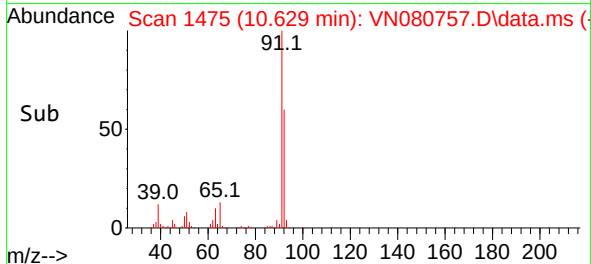
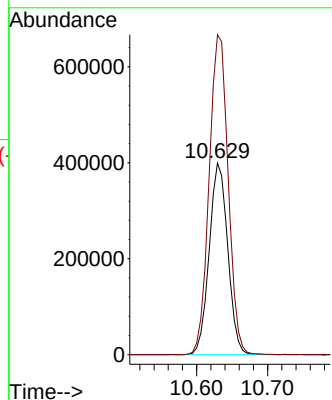
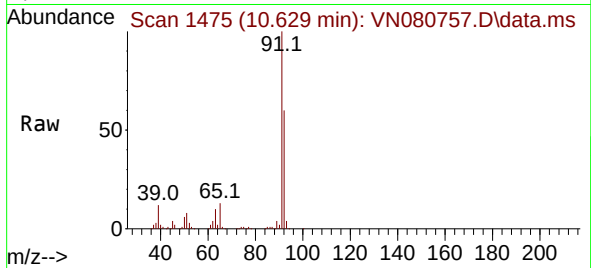




#52
Toluene
Concen: 140.379 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

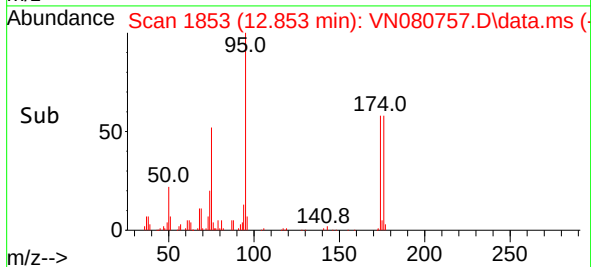
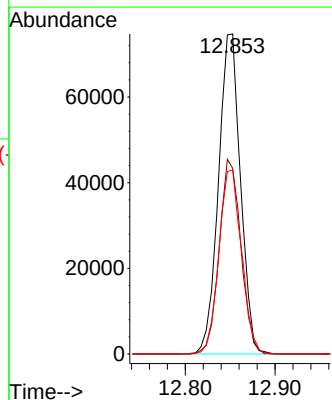
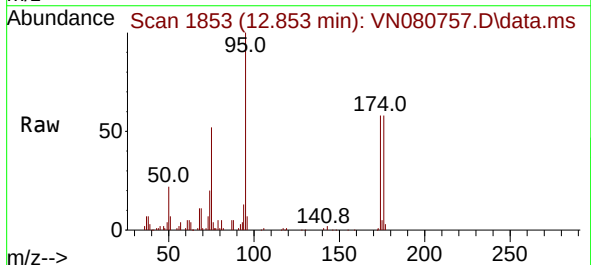
Instrument :
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ClientSampleId :
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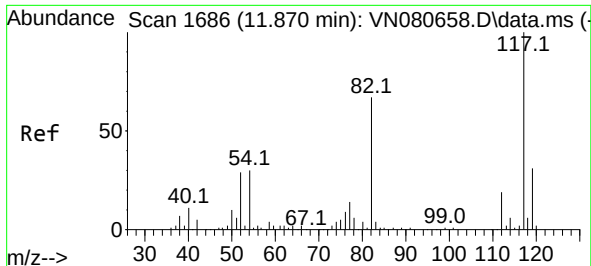
Tgt Ion: 92 Resp: 723594
Ion Ratio Lower Upper
92 100
91 171.6 137.4 206.0



#62
4-Bromofluorobenzene
Concen: 55.680 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 95 Resp: 127197
Ion Ratio Lower Upper
95 100
174 59.7 0.0 143.8
176 59.0 0.0 135.8

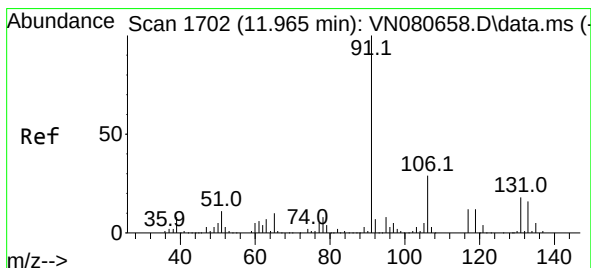
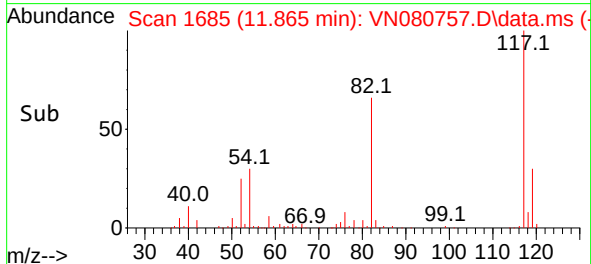
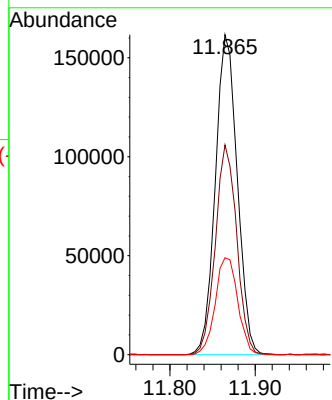
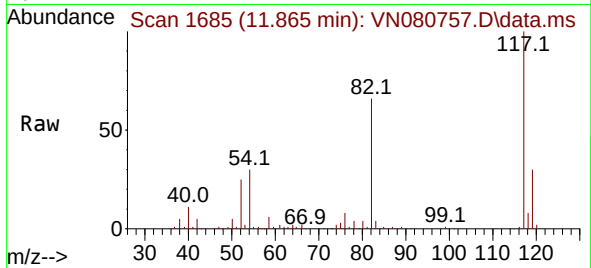




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

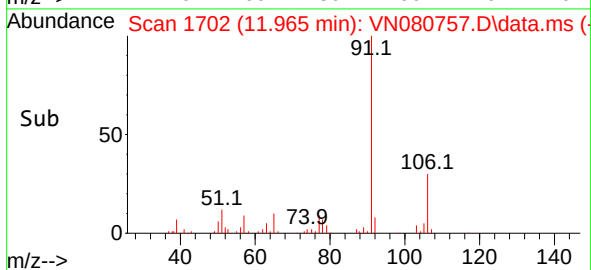
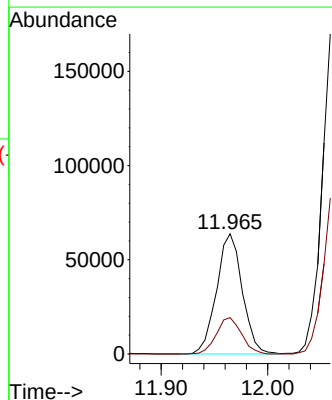
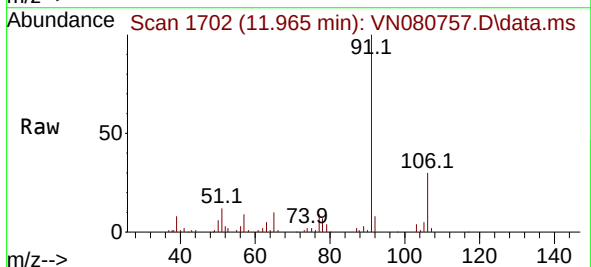
Instrument :
MSVOA_N
ClientSampleId :
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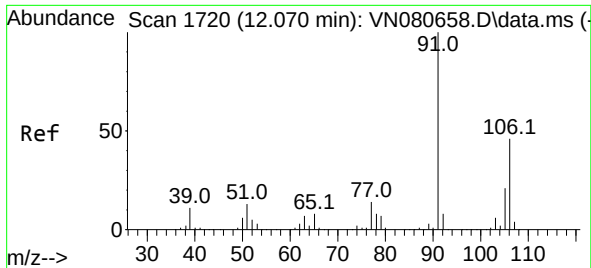
Tgt Ion:117 Resp: 289327
Ion Ratio Lower Upper
117 100
82 65.6 44.0 66.0
119 30.3 25.6 38.4



#67
Ethyl Benzene
Concen: 8.839 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion: 91 Resp: 106695
Ion Ratio Lower Upper
91 100
106 30.2 25.6 38.4

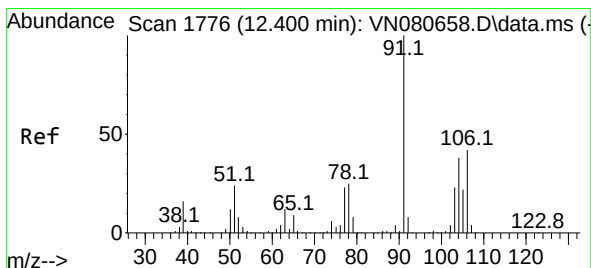
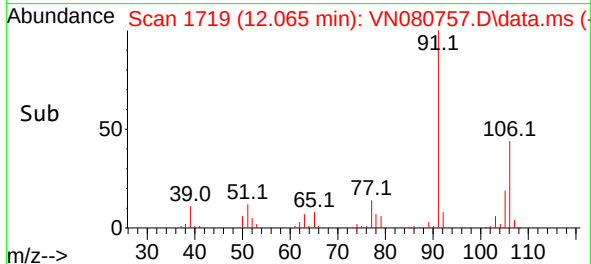
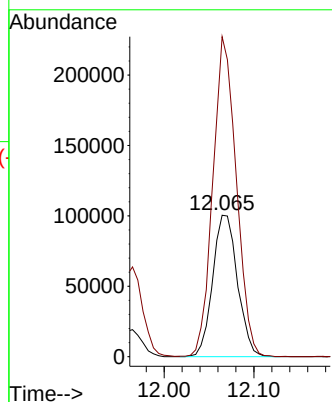
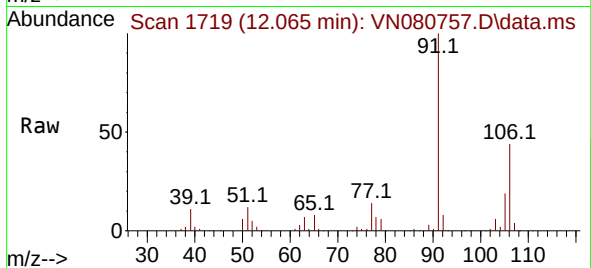




#68
m/p-Xylenes
Concen: 45.384 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

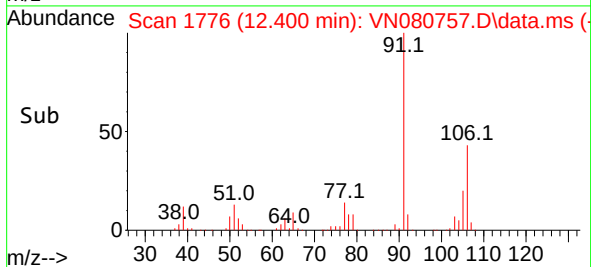
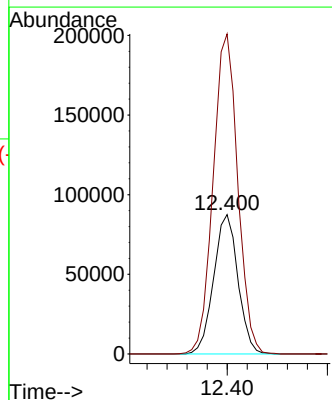
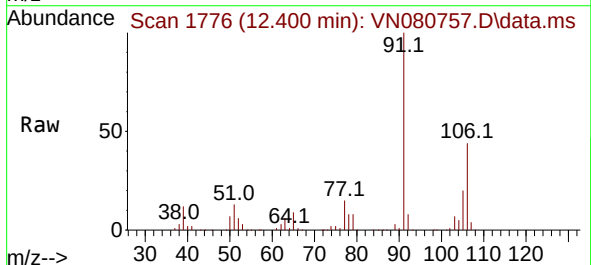
Instrument :
MSVOA_N
ClientSampleId :
S-4

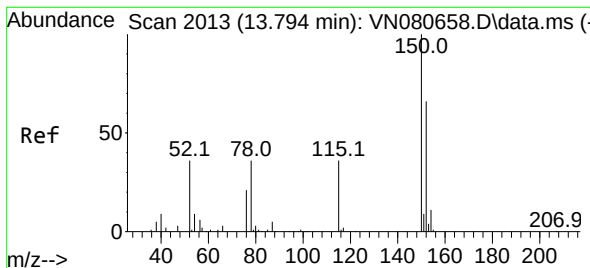
Tgt Ion:106 Resp: 192590
Ion Ratio Lower Upper
106 100
91 214.4 159.6 239.4



#69
o-Xylene
Concen: 35.365 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN080757.D
Acq: 23 Jan 2024 12:51

Tgt Ion:106 Resp: 146735
Ion Ratio Lower Upper
106 100
91 232.4 105.2 315.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

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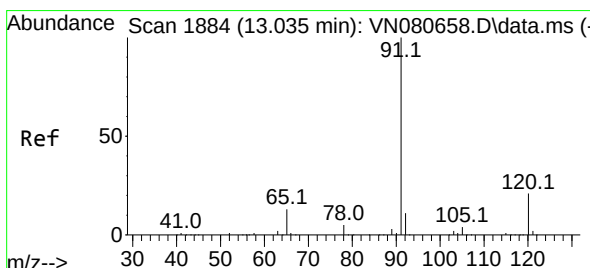
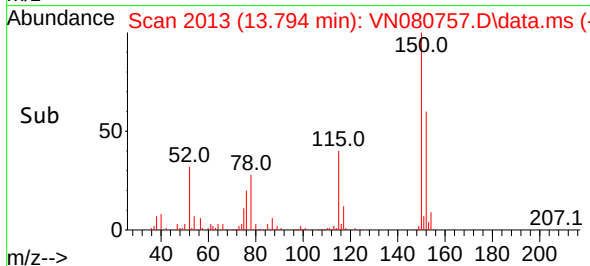
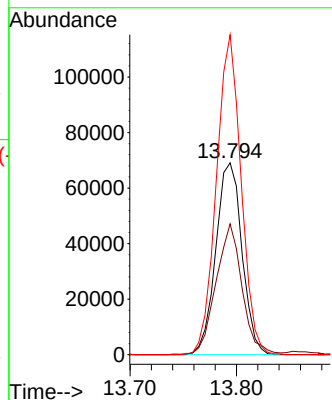
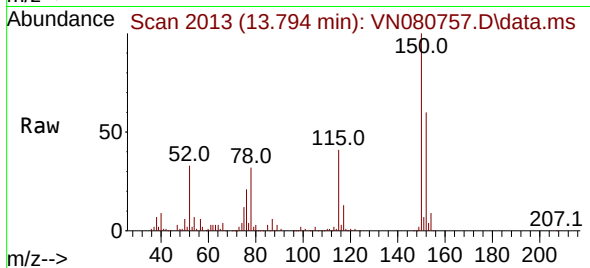
Tgt Ion:152 Resp: 117881

Ion Ratio Lower Upper

152 100

115 67.9 32.3 96.8

150 157.3 0.0 355.8



#78

n-propylbenzene

Concen: 1.019 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VN080757.D

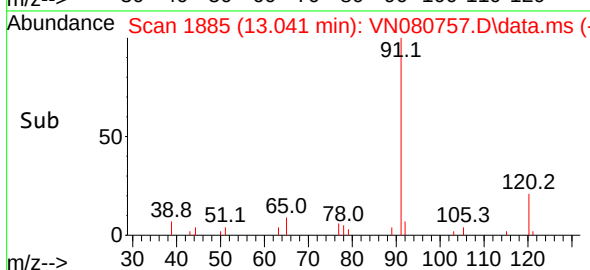
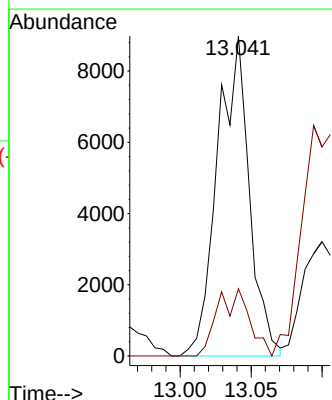
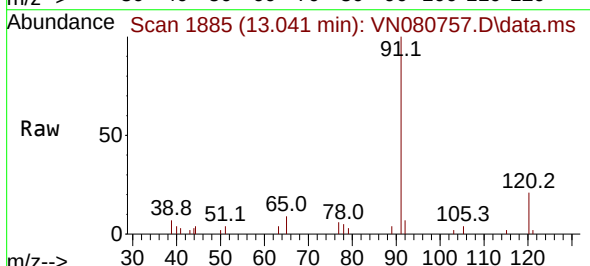
Acq: 23 Jan 2024 12:51

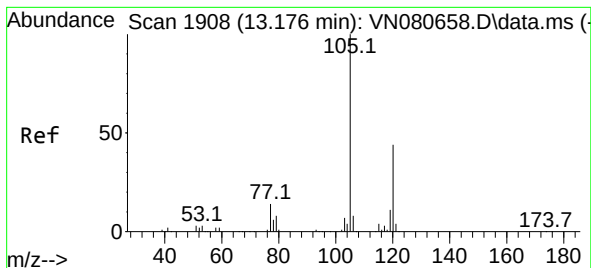
Tgt Ion: 91 Resp: 14015

Ion Ratio Lower Upper

91 100

120 21.0 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 4.126 ug/l

RT: 13.176 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VN080757.D

Acq: 23 Jan 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

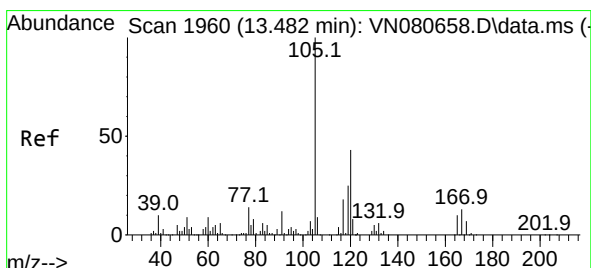
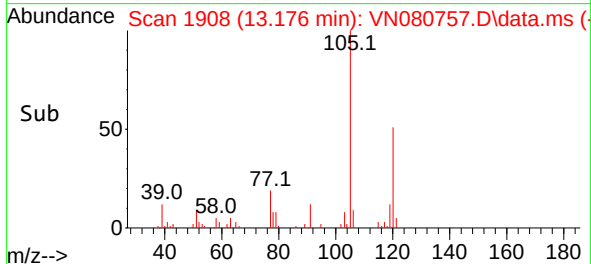
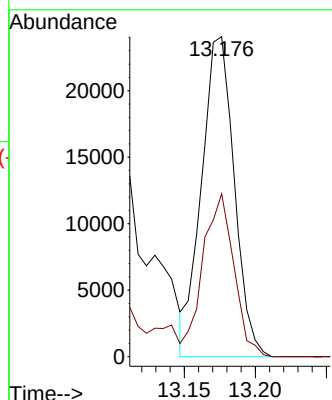
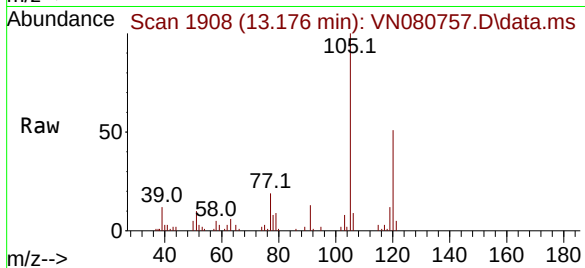
S-4

Tgt Ion:105 Resp: 38549

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 13.372 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN080757.D

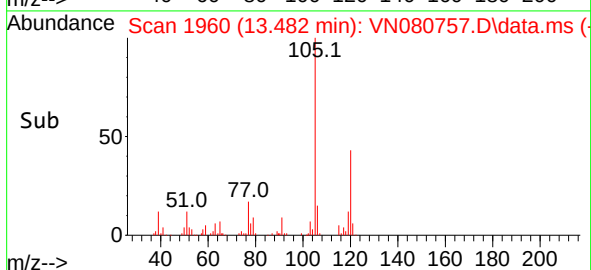
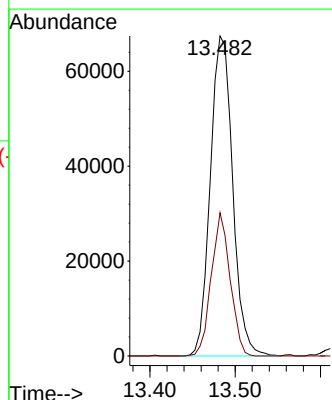
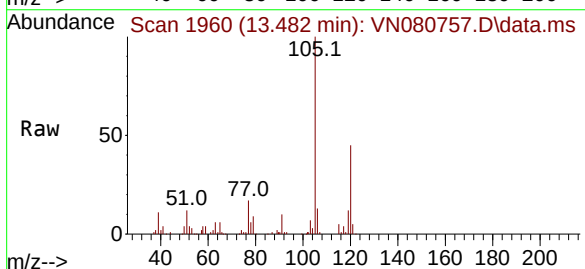
Acq: 23 Jan 2024 12:51

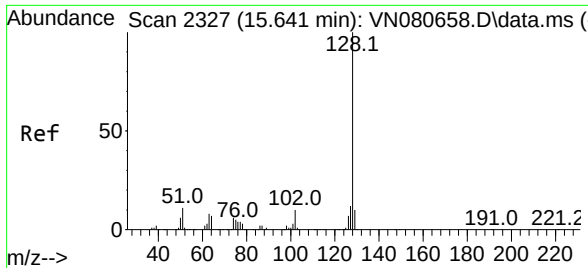
Tgt Ion:105 Resp: 122836

Ion Ratio Lower Upper

105 100

120 37.7 22.0 66.0





#95
 Naphthalene
 Concen: 158.870 ug/l
 RT: 15.641 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN080757.D
 Acq: 23 Jan 2024 12:51

Instrument :
 MSVOA_N
 ClientSampleId :
 S-4

Tgt Ion:128 Resp: 1304890

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.0	15.0
129	11.0	8.7	13.1

