

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081890.D
 Acq On : 26 Apr 2024 20:06
 Operator : JC\MD
 Sample : P2264-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-4-9.0-042324

Quant Time: Apr 26 23:06:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

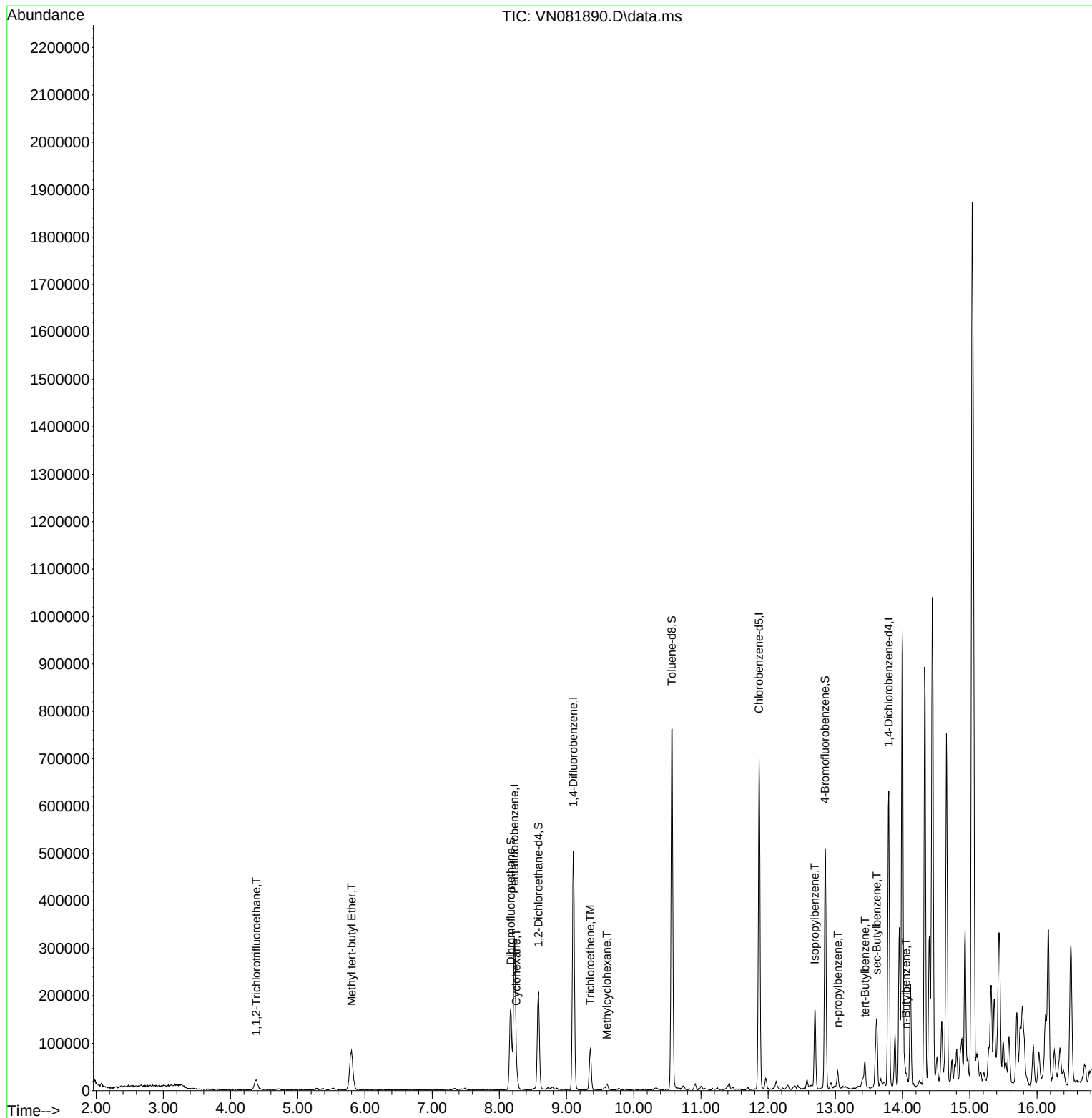
Internal Standards						
1) Pentafluorobenzene	8.224	168	227528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	428421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	167656	43.660	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.320%		
35) Dibromofluoromethane	8.171	113	125980	48.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.680%		
50) Toluene-d8	10.565	98	522561	51.582	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.160%		
62) 4-Bromofluorobenzene	12.847	95	183617	45.850	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	91.700%		
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.383	101	15457	5.706	ug/l	93
19) Methyl tert-butyl Ether	5.800	73	135559	13.036	ug/l	98
31) Cyclohexane	8.253	56	23218	4.014	ug/l #	76
39) Methylcyclohexane	9.600	83	5366	1.053	ug/l	93
44) Trichloroethene	9.353	130	30335	10.444	ug/l	93
73) Isopropylbenzene	12.694	105	109784	7.990	ug/l	100
78) n-propylbenzene	13.035	91	25080	1.503	ug/l	97
83) tert-Butylbenzene	13.441	119	21541	2.225	ug/l	85
85) sec-Butylbenzene	13.617	105	94299	6.914	ug/l	85
89) n-Butylbenzene	14.053	91	8700	0.854	ug/l #	75

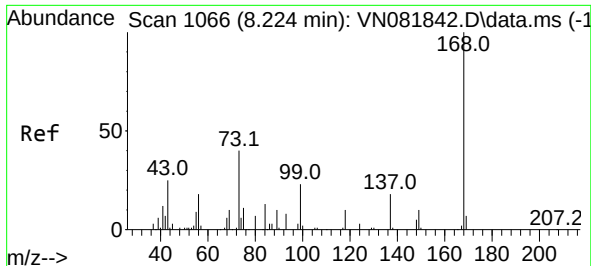
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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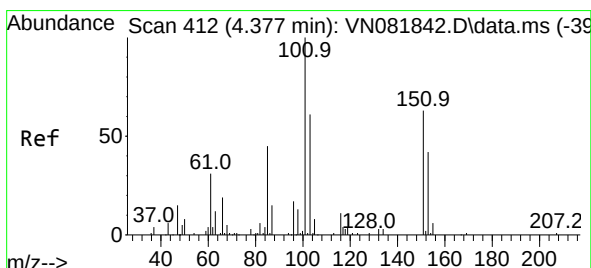
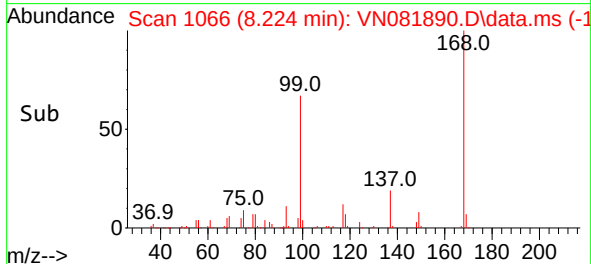
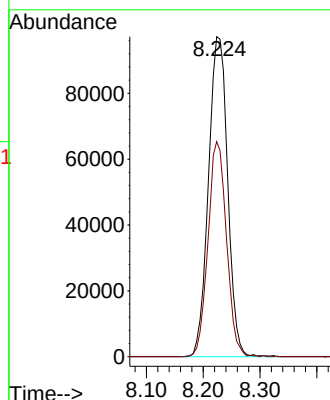
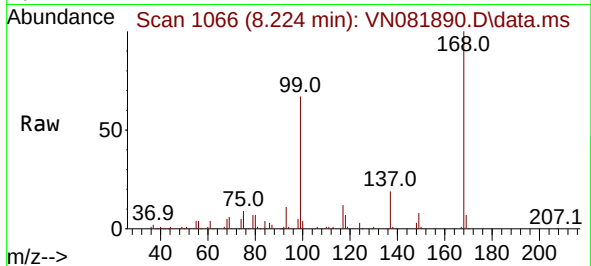




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

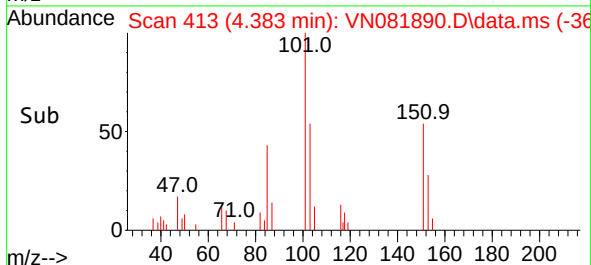
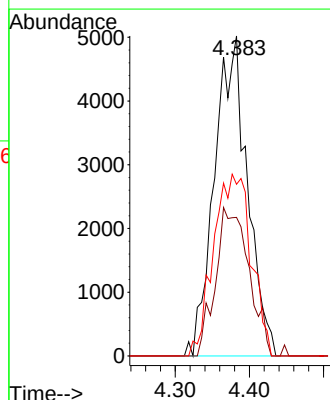
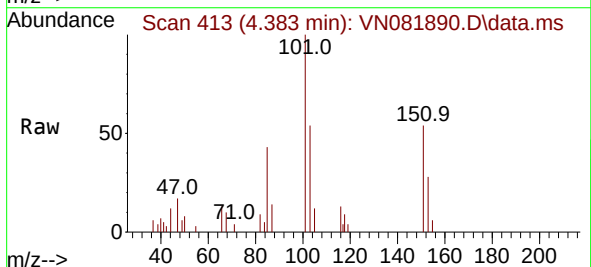
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-4-9.0-042324

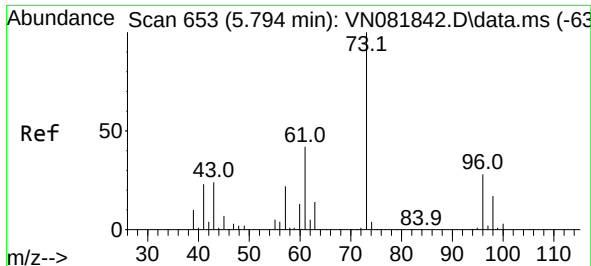
Tgt Ion:168 Resp: 227528
Ion Ratio Lower Upper
168 100
99 67.2 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.706 ug/l
RT: 4.383 min Scan# 413
Delta R.T. 0.006 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

Tgt Ion:101 Resp: 15457
Ion Ratio Lower Upper
101 100
85 46.9 37.3 55.9
151 65.0 59.2 88.8





#19

Methyl tert-butyl Ether

Concen: 13.036 ug/l

RT: 5.800 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

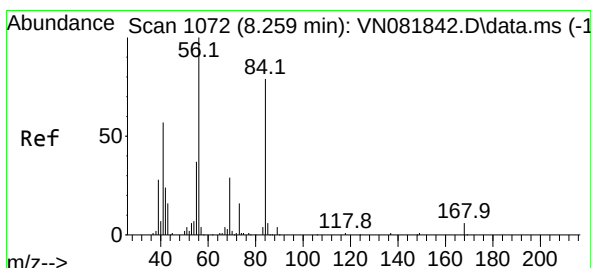
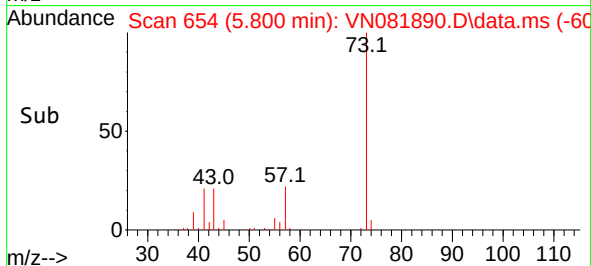
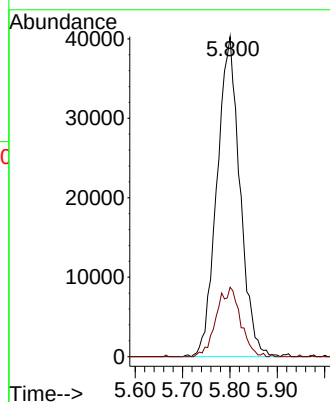
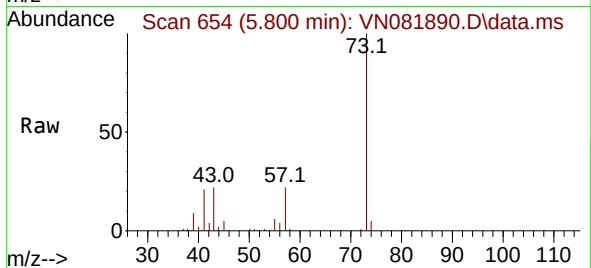
T11-MW-4-9.0-042324

Tgt Ion: 73 Resp: 135559

Ion Ratio Lower Upper

73 100

57 21.7 16.5 24.7



#31

Cyclohexane

Concen: 4.014 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.006 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

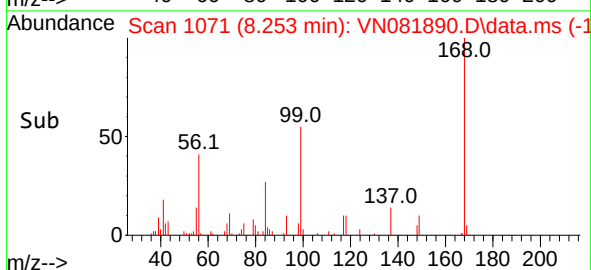
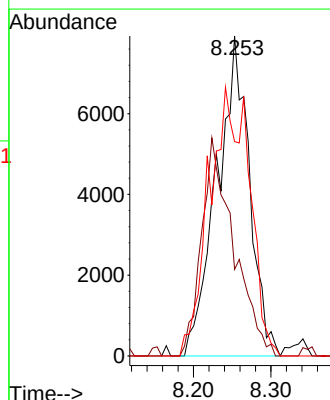
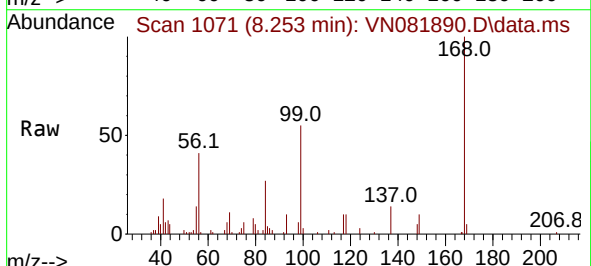
Tgt Ion: 56 Resp: 23218

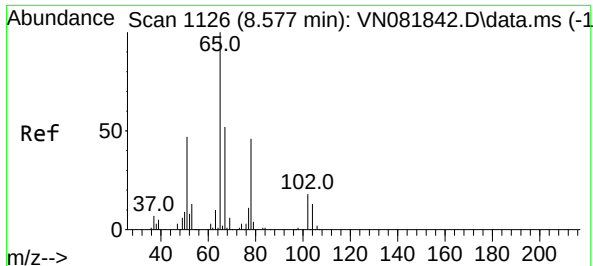
Ion Ratio Lower Upper

56 100

69 27.1 24.4 36.6

84 67.0 77.0 115.4#





#33

1,2-Dichloroethane-d4

Concen: 43.660 ug/l

RT: 8.582 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

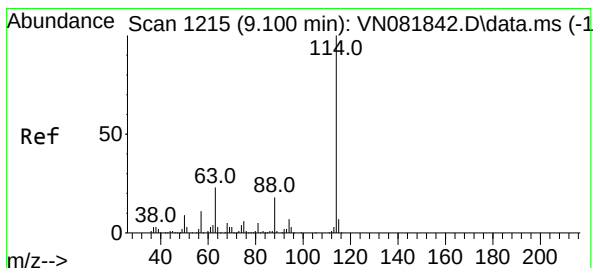
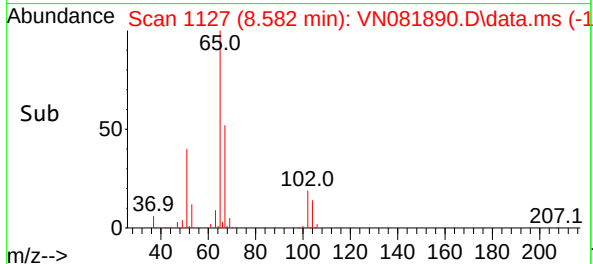
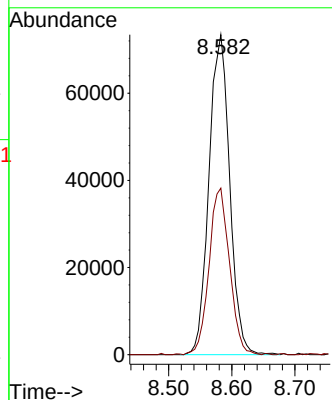
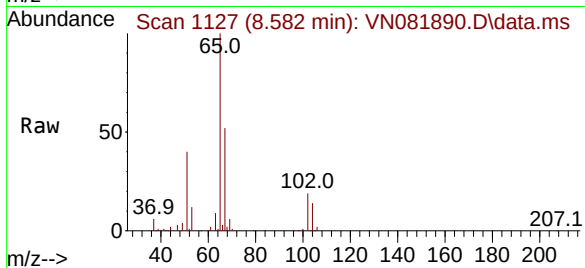
T11-MW-4-9.0-042324

Tgt Ion: 65 Resp: 167656

Ion Ratio Lower Upper

65 100

67 51.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

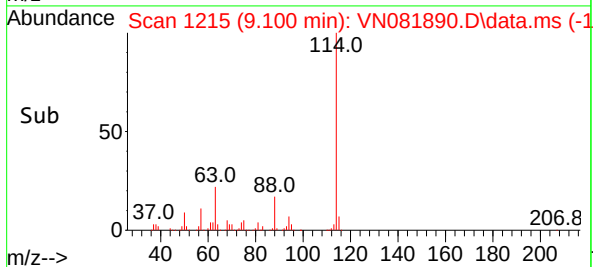
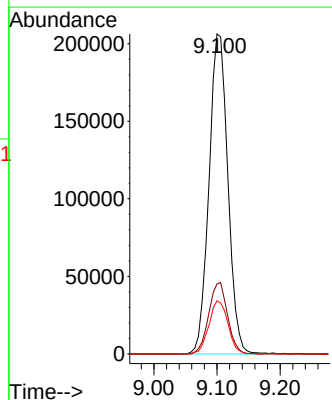
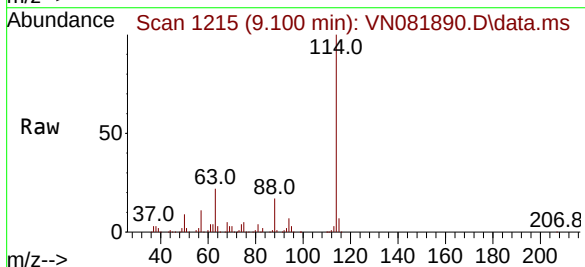
Tgt Ion: 114 Resp: 428421

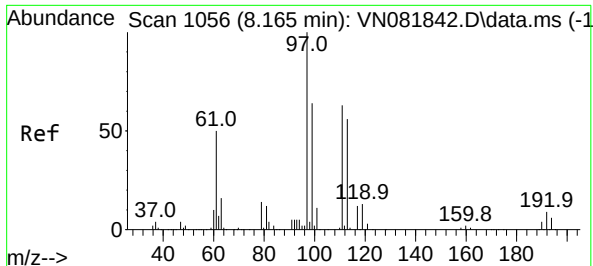
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.0

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.840 ug/l

RT: 8.171 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-4-9.0-042324

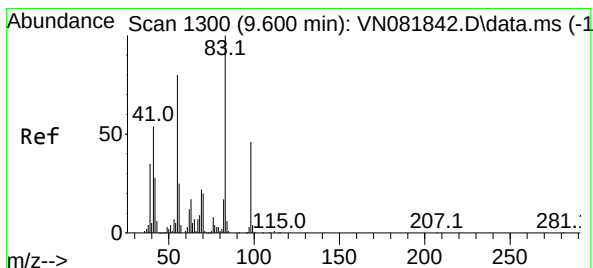
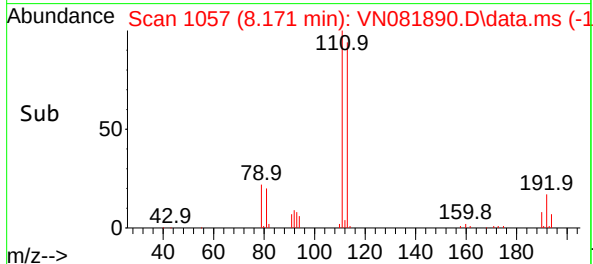
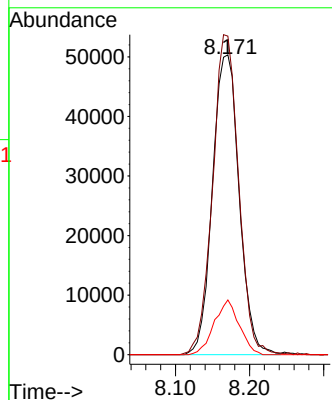
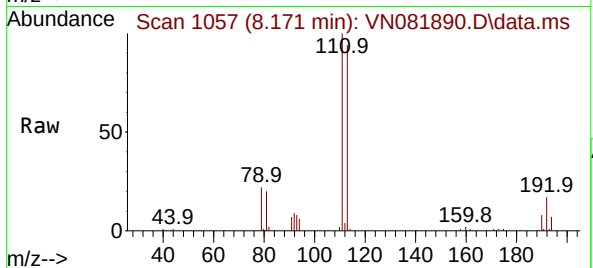
Tgt Ion:113 Resp: 125980

Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.2

192 17.1 14.0 21.0



#39

Methylcyclohexane

Concen: 1.053 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

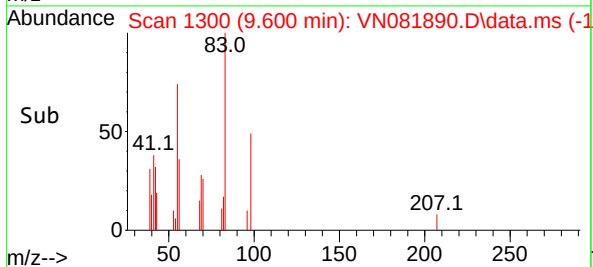
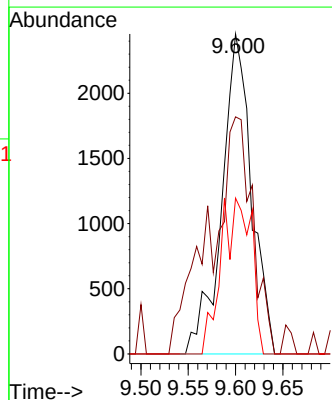
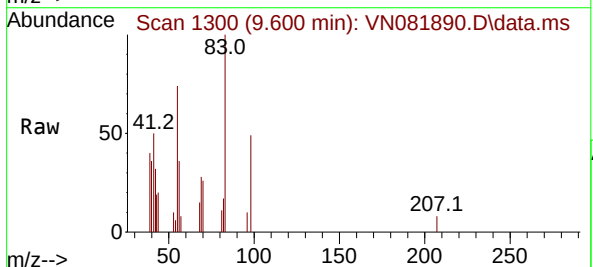
Tgt Ion: 83 Resp: 5366

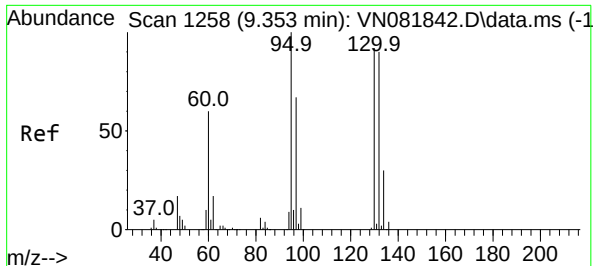
Ion Ratio Lower Upper

83 100

55 74.1 53.0 79.6

98 48.7 37.1 55.7

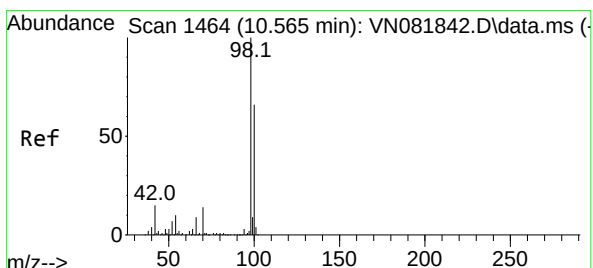
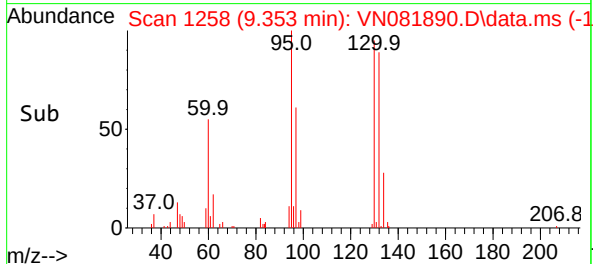
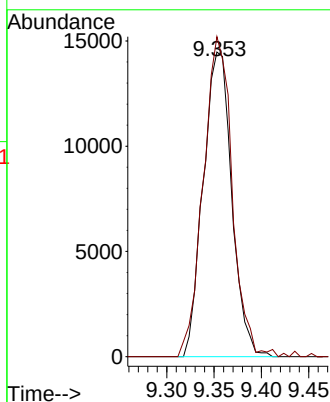
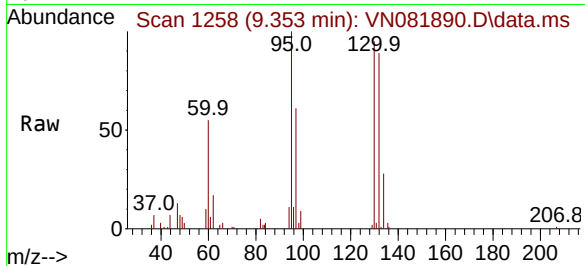




#44
Trichloroethene
Concen: 10.444 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

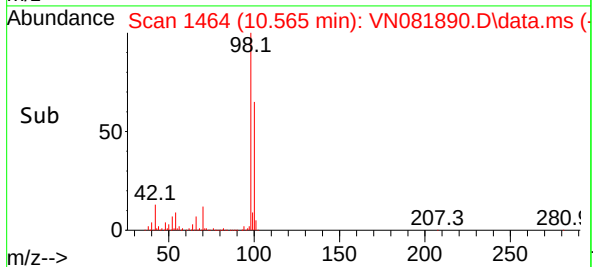
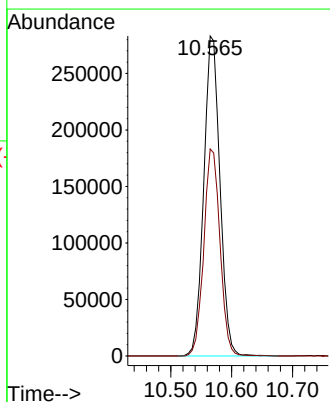
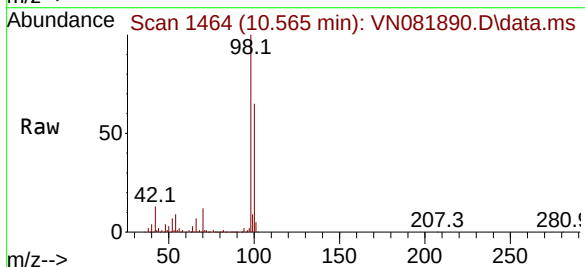
Instrument :
MSVOA_N
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T11-MW-4-9.0-042324

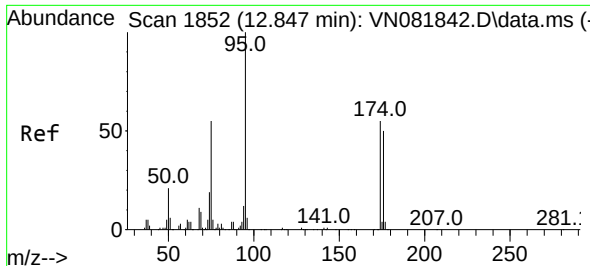
Tgt Ion:130 Resp: 30335
Ion Ratio Lower Upper
130 100
95 105.0 0.0 195.4



#50
Toluene-d8
Concen: 51.582 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

Tgt Ion: 98 Resp: 522561
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6

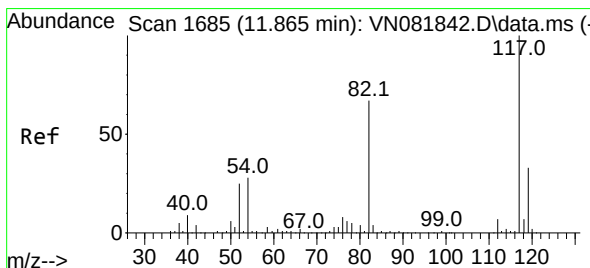
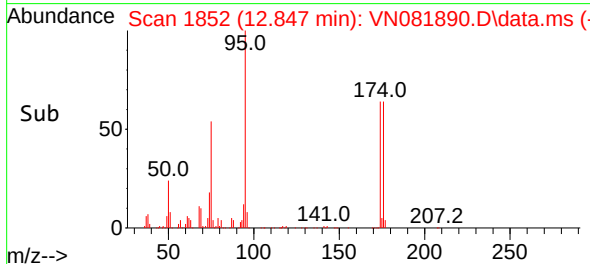
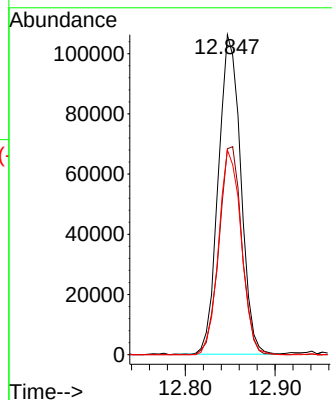
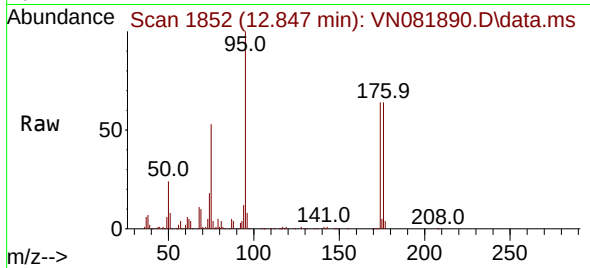




#62
4-Bromofluorobenzene
Concen: 45.850 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

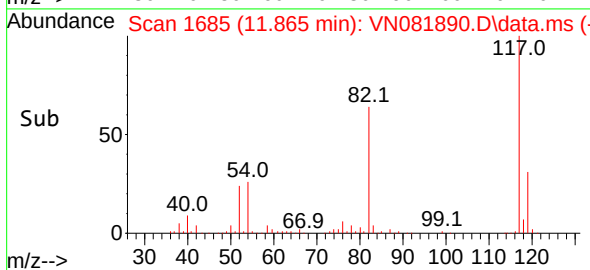
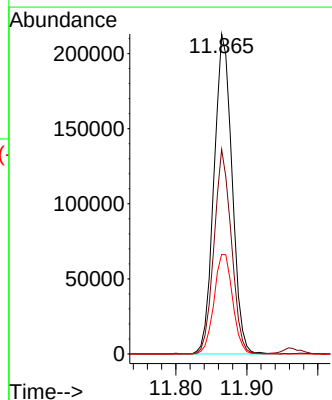
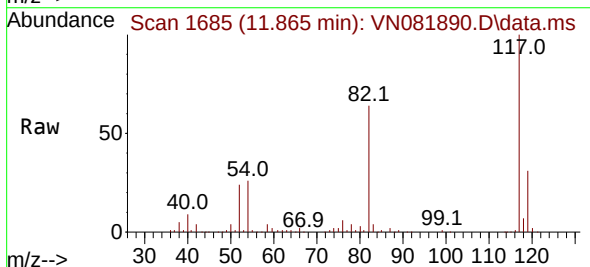
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T11-MW-4-9.0-042324

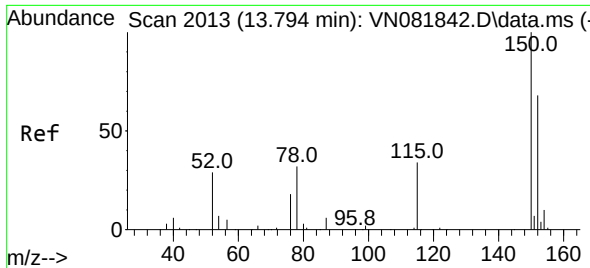
Tgt Ion: 95 Resp: 183617
Ion Ratio Lower Upper
95 100
174 66.1 0.0 160.6
176 64.7 0.0 152.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

Tgt Ion: 117 Resp: 375671
Ion Ratio Lower Upper
117 100
82 63.9 44.6 66.8
119 31.1 25.9 38.9

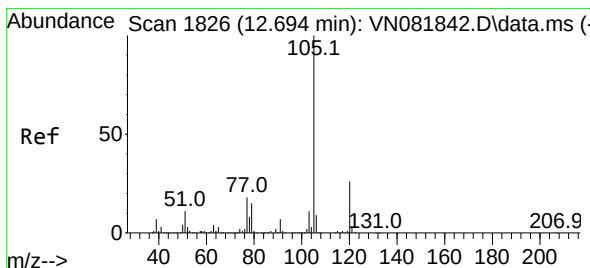
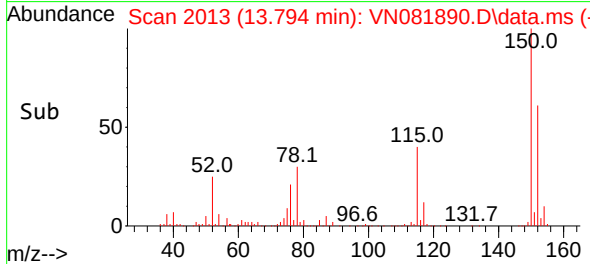
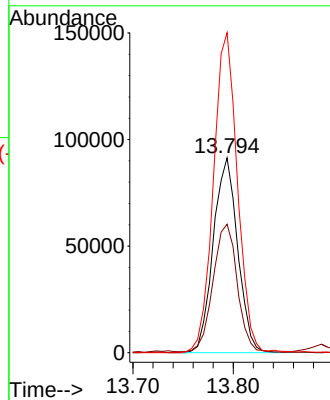
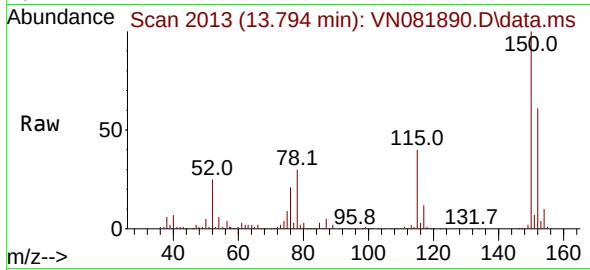




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

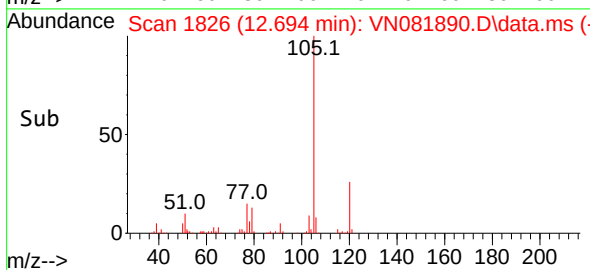
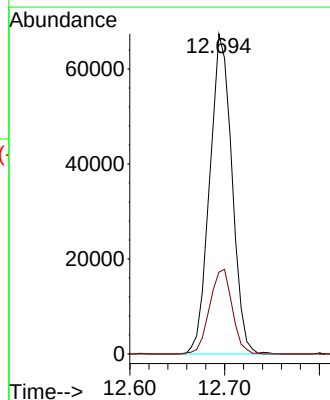
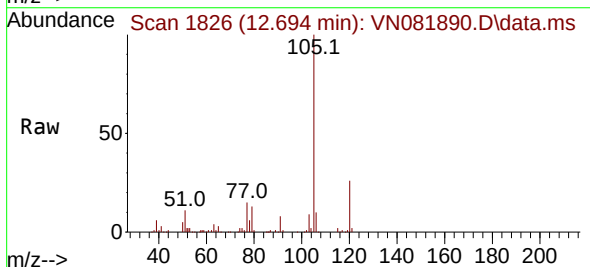
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-4-9.0-042324

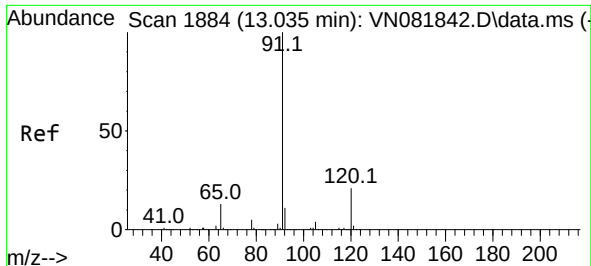
Tgt Ion:152 Resp: 154536
Ion Ratio Lower Upper
152 100
115 65.1 30.4 91.3
150 161.7 0.0 353.2



#73
Isopropylbenzene
Concen: 7.990 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

Tgt Ion:105 Resp: 109784
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

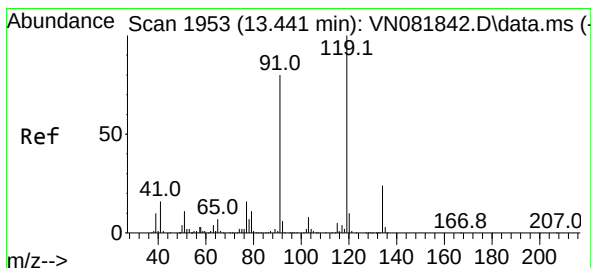
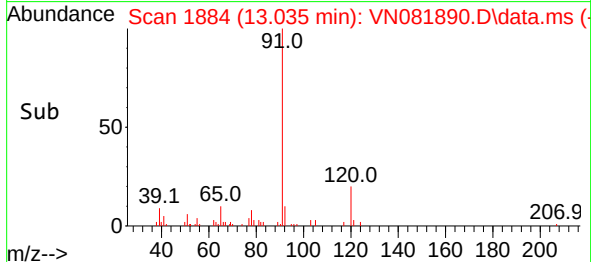
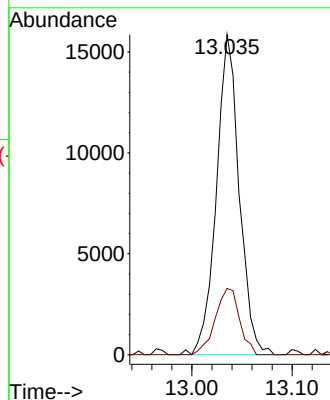
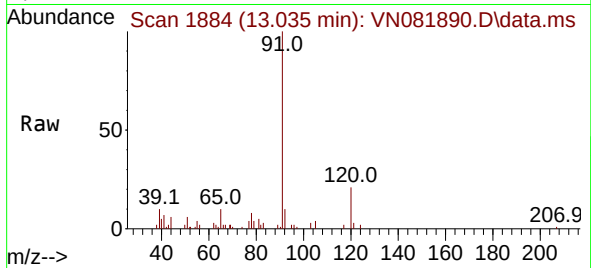




#78
n-propylbenzene
Concen: 1.503 ug/l
RT: 13.035 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

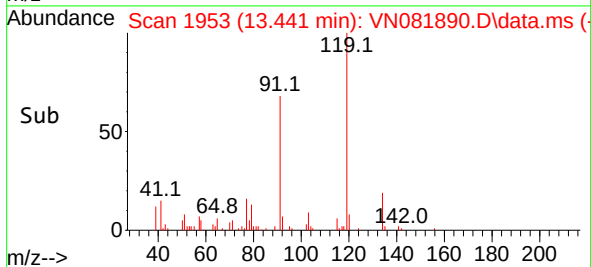
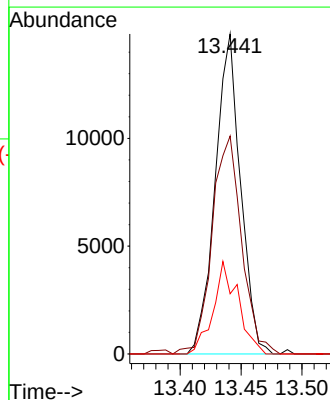
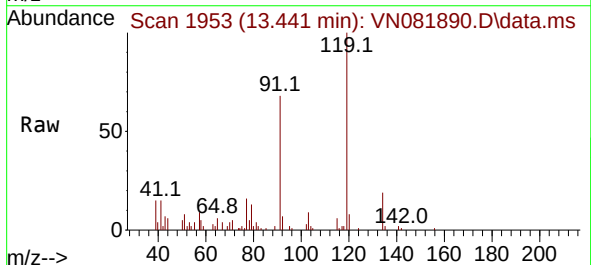
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-4-9.0-042324

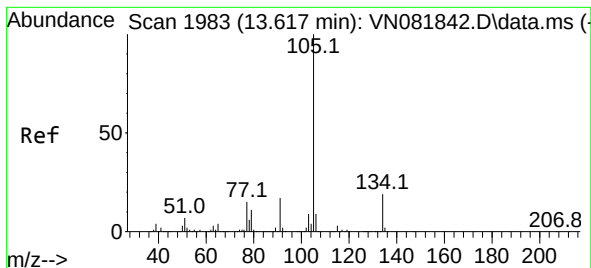
Tgt Ion: 91 Resp: 25080
Ion Ratio Lower Upper
91 100
120 22.0 11.7 35.0



#83
tert-Butylbenzene
Concen: 2.225 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN081890.D
Acq: 26 Apr 2024 20:06

Tgt Ion: 119 Resp: 21541
Ion Ratio Lower Upper
119 100
91 79.0 32.6 97.8
134 28.4 12.4 37.0





#85

sec-Butylbenzene

Concen: 6.914 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

Instrument :

MSVOA_N

ClientSampleId :

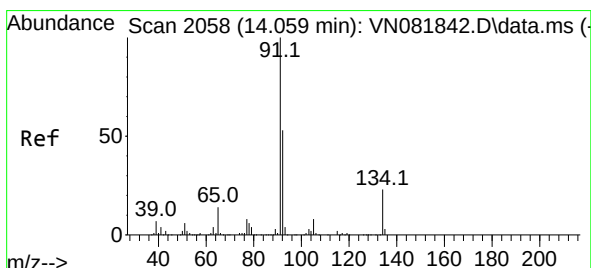
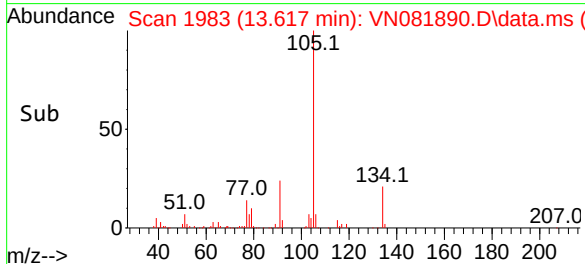
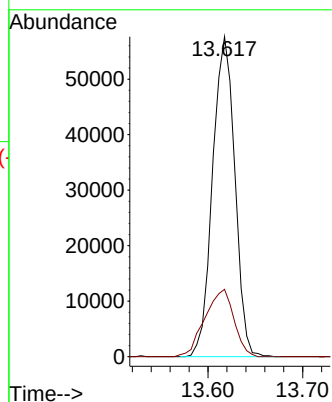
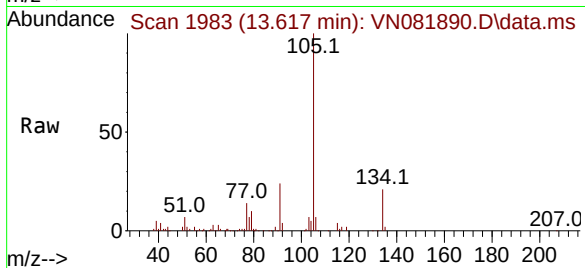
T11-MW-4-9.0-042324

Tgt Ion:105 Resp: 94299

Ion Ratio Lower Upper

105 100

134 27.4 10.2 30.4



#89

n-Butylbenzene

Concen: 0.854 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.006 min

Lab File: VN081890.D

Acq: 26 Apr 2024 20:06

Tgt Ion: 91 Resp: 8700

Ion Ratio Lower Upper

91 100

92 61.0 26.2 78.5

134 0.0 13.2 39.5#

