

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085233.D
 Acq On : 17 Dec 2024 18:46
 Operator : JC\MD
 Sample : P5291-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213

Quant Time: Dec 18 00:31:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

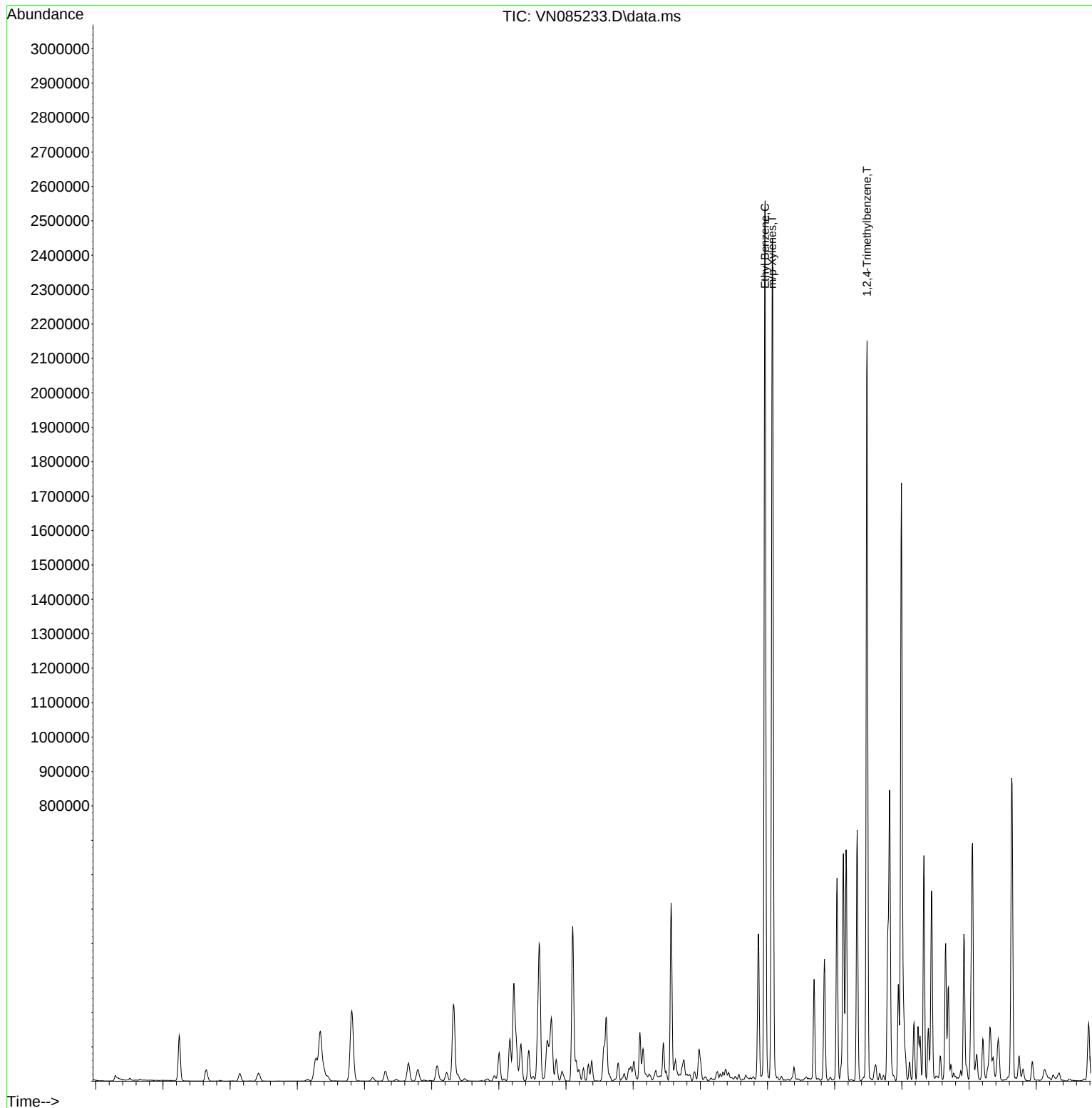
Internal Standards						
1) Pentafluorobenzene	8.224	168	158597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103719	45.912	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.820%		
35) Dibromofluoromethane	8.165	113	84108	46.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	10.565	98	317605	49.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.847	95	124253	51.712	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.420%		
Target Compounds						
16) Acetone	4.424	43	19261	29.275	ug/l #	71
25) 2-Butanone	7.488	43	6419	5.967	ug/l	100
31) Cyclohexane	8.253	56	70866	23.549	ug/l #	90
39) Methylcyclohexane	9.600	83	82822	32.821	ug/l	95
40) Benzene	8.606	78	383432	49.923	ug/l	100
52) Toluene	10.629	92	22715	4.996	ug/l	98
67) Ethyl Benzene	11.965	91	1919322	221.682	ug/l	100
68) m/p-Xylenes	12.070	106	776720	235.637	ug/l	100
69) o-Xylene	12.394	106	8932	2.849	ug/l	93
73) Isopropylbenzene	12.694	105	189007	24.634	ug/l	99
78) n-propylbenzene	13.035	91	468009	52.885	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	356497	55.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	1271323	191.834	ug/l	99
86) p-Isopropyltoluene	13.729	119	6534	1.058	ug/l #	73
89) n-Butylbenzene	14.053	91	35403	6.163	ug/l #	81

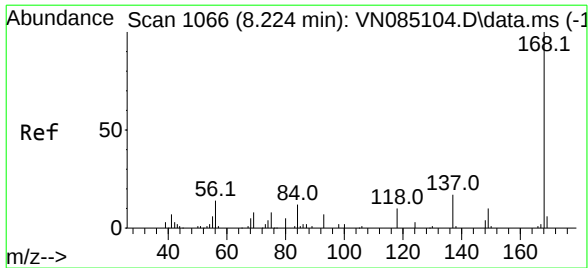
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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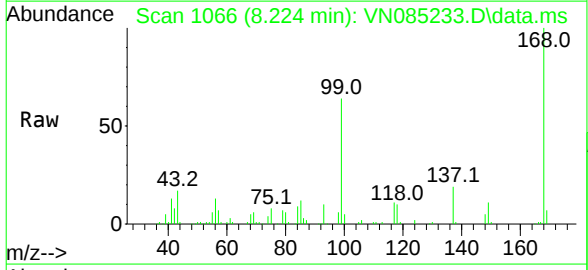
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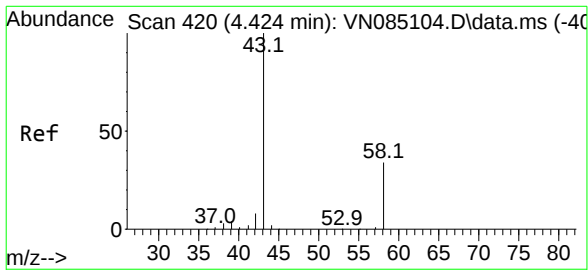
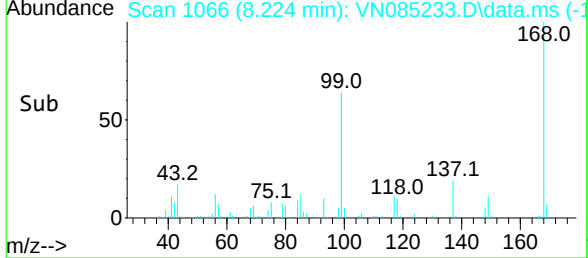
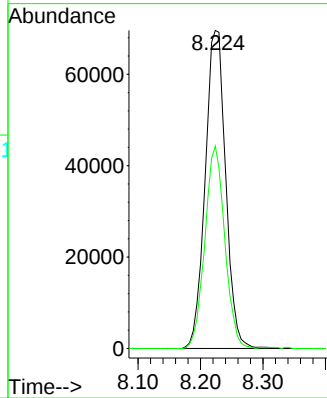


#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. 0.006 min
 Lab File: VN085233.D
 Acq: 17 Dec 2024 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213

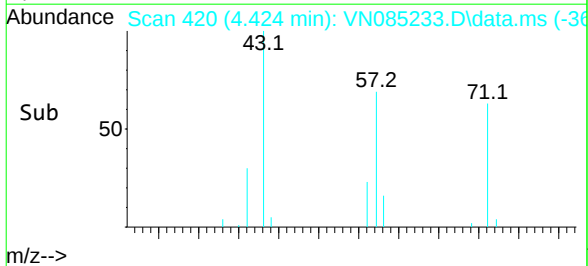
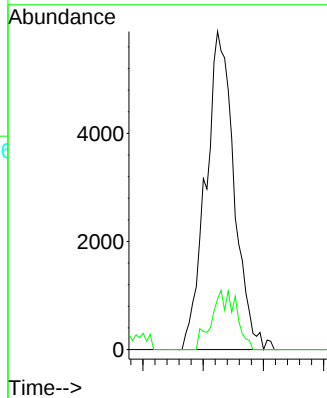
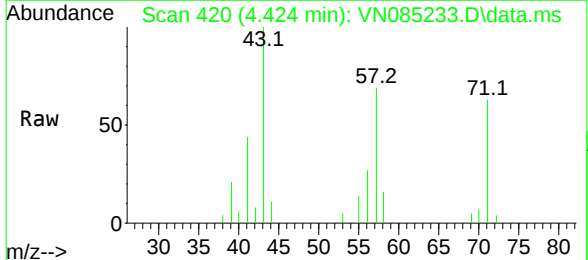


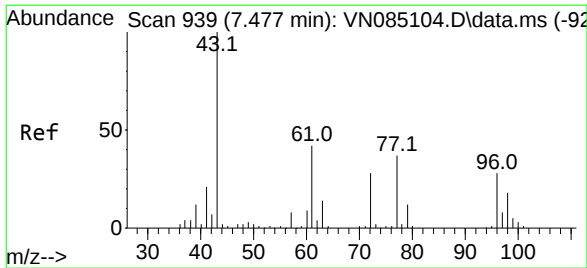
Tgt Ion: 168 Resp: 158597
 Ion Ratio Lower Upper
 168 100
 99 63.6 51.2 76.8



#16
 Acetone
 Concen: 29.275 ug/l
 RT: 4.424 min Scan# 420
 Delta R.T. -0.000 min
 Lab File: VN085233.D
 Acq: 17 Dec 2024 18:46

Tgt Ion: 43 Resp: 19261
 Ion Ratio Lower Upper
 43 100
 58 15.9 25.4 38.2#

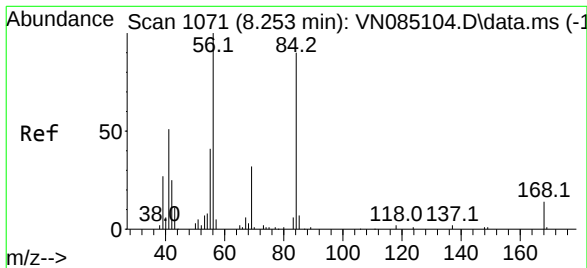
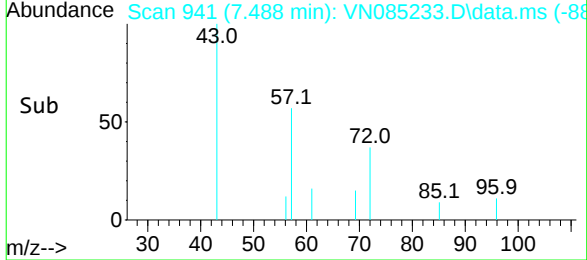
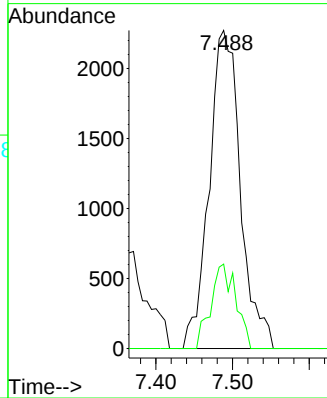
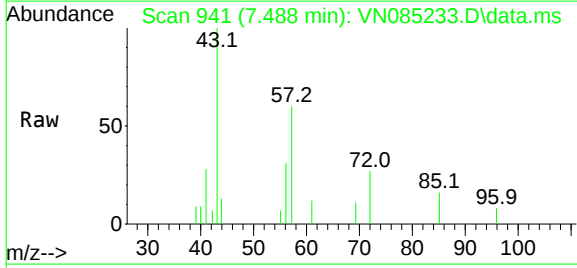




#25
2-Butanone
Concen: 5.967 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

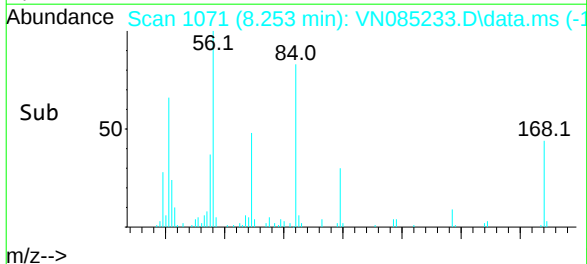
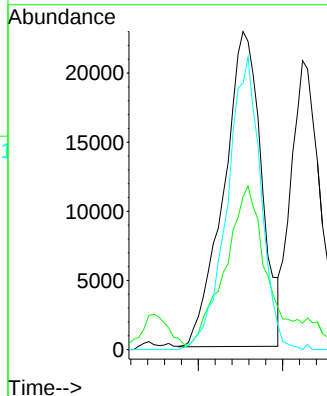
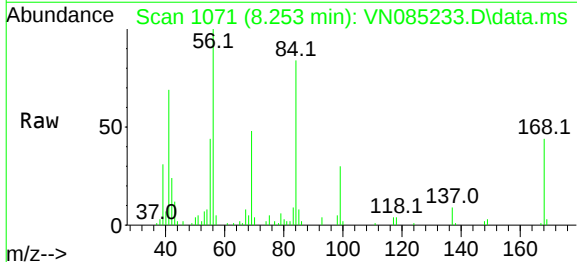
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

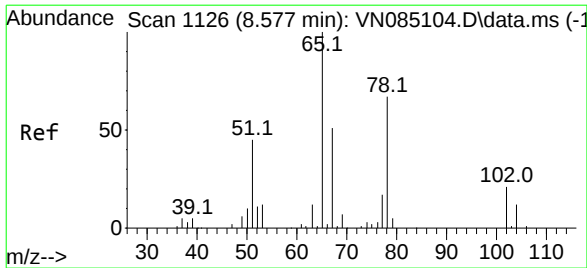
Tgt Ion: 43 Resp: 6419
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.0



#31
Cyclohexane
Concen: 23.549 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Tgt Ion: 56 Resp: 70866
Ion Ratio Lower Upper
56 100
69 45.0 24.6 36.8#
84 84.7 71.4 107.2

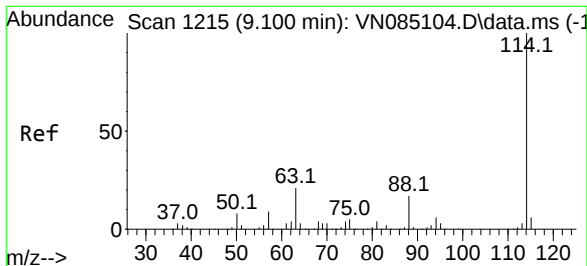
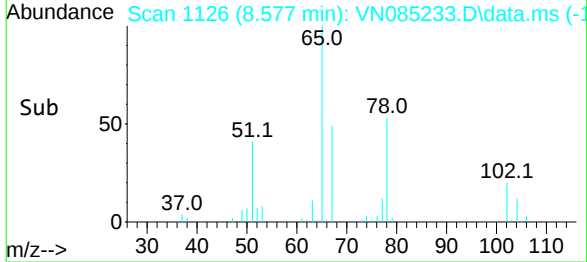
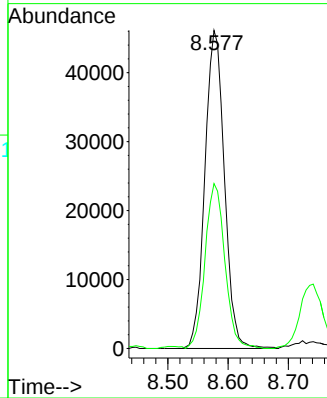
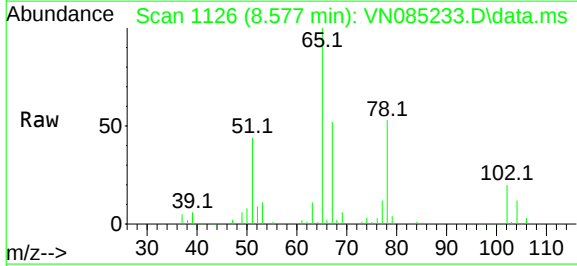




#33
1,2-Dichloroethane-d4
Concen: 45.912 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

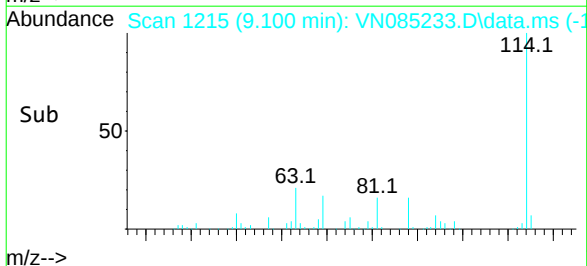
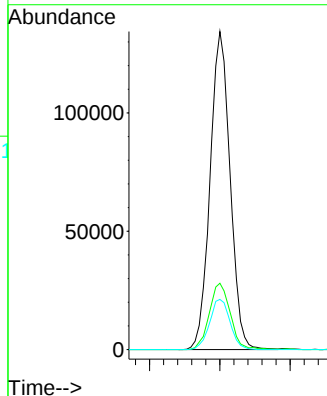
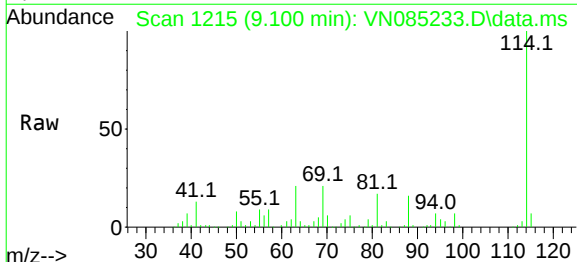
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

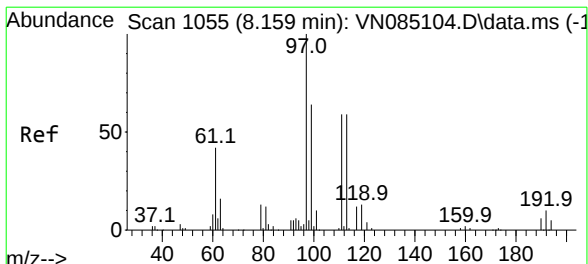
Tgt Ion: 65 Resp: 103719
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Tgt Ion: 114 Resp: 265854
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.0
88 15.8 0.0 34.8

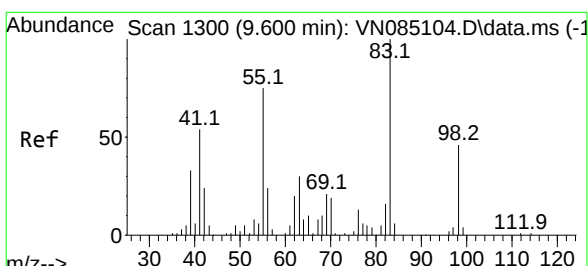
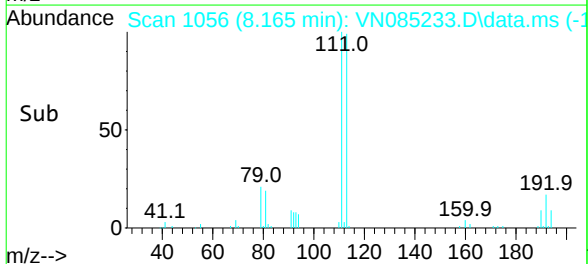
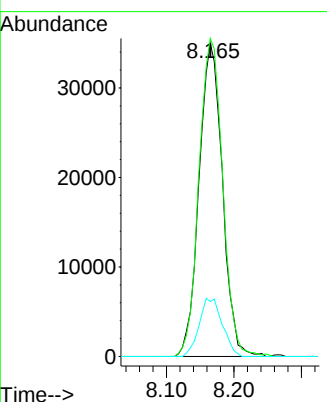
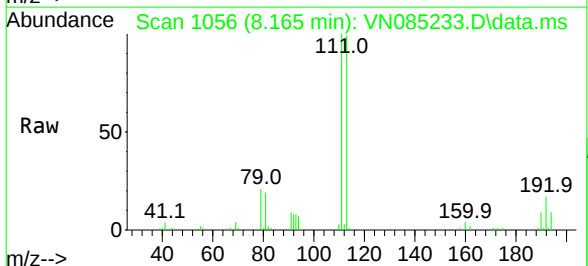




#35
 Dibromofluoromethane
 Concen: 46.914 ug/l
 RT: 8.165 min Scan# 1055
 Delta R.T. 0.006 min
 Lab File: VN085233.D
 Acq: 17 Dec 2024 18:46

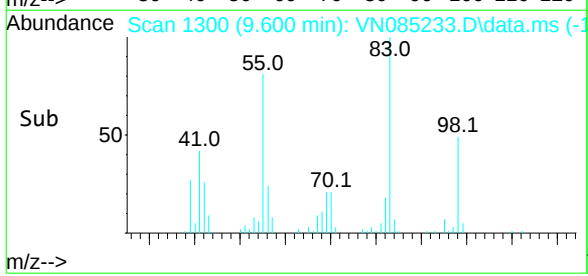
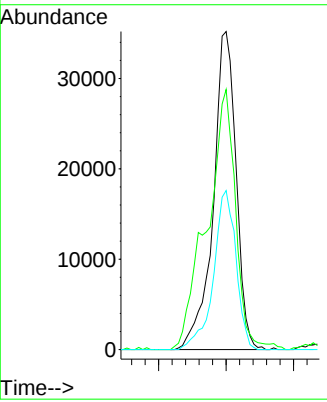
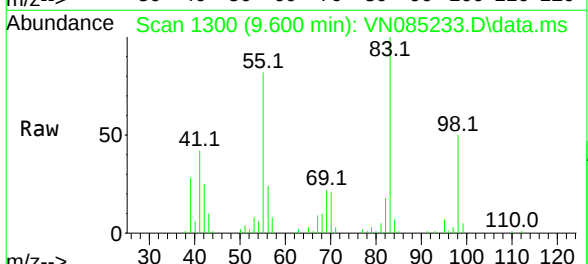
Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213

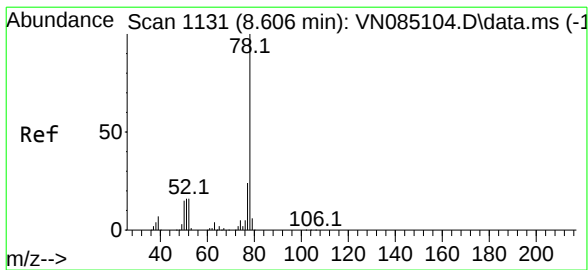
Tgt Ion:	113	Resp:	84108
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	18.4	14.8	22.2



#39
 Methylcyclohexane
 Concen: 32.821 ug/l
 RT: 9.600 min Scan# 1300
 Delta R.T. 0.006 min
 Lab File: VN085233.D
 Acq: 17 Dec 2024 18:46

Tgt Ion:	83	Resp:	82822
Ion	Ratio	Lower	Upper
83	100		
55	81.8	61.8	92.6
98	50.0	37.0	55.6





#40

Benzene

Concen: 49.923 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

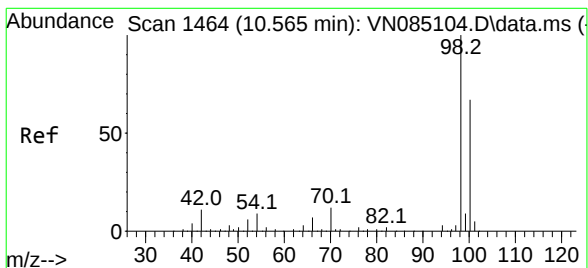
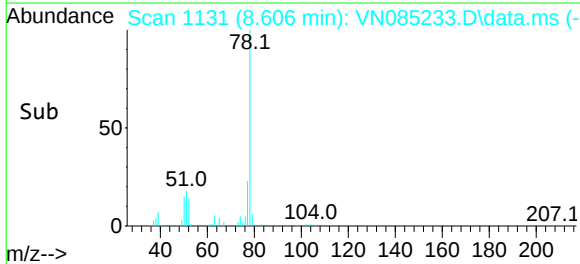
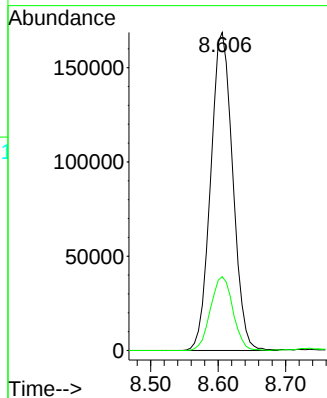
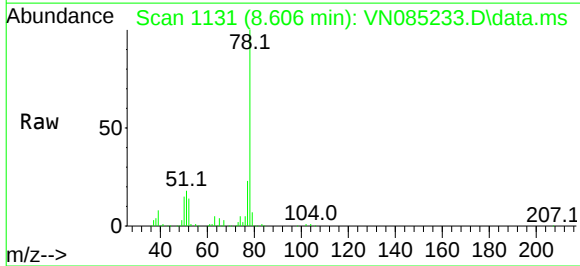
MW2-20241213

Tgt Ion: 78 Resp: 383432

Ion Ratio Lower Upper

78 100

77 23.2 18.5 27.7



#50

Toluene-d8

Concen: 49.432 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085233.D

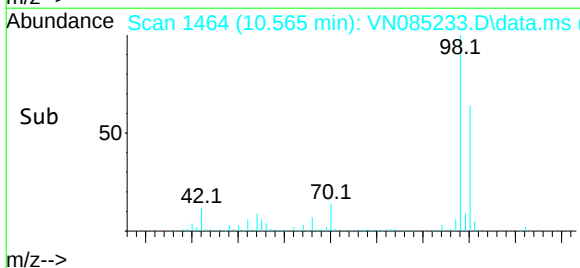
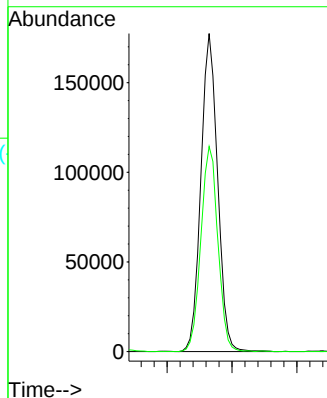
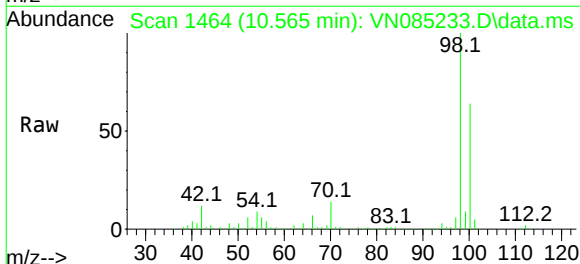
Acq: 17 Dec 2024 18:46

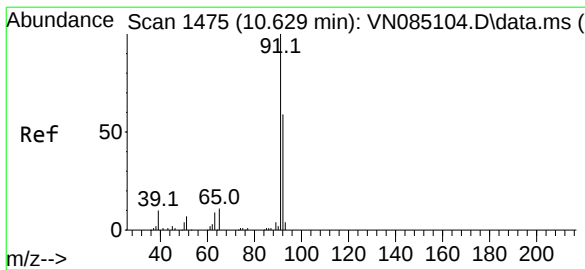
Tgt Ion: 98 Resp: 317605

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7





#52

Toluene

Concen: 4.996 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

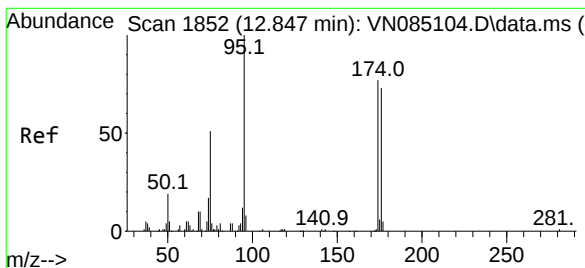
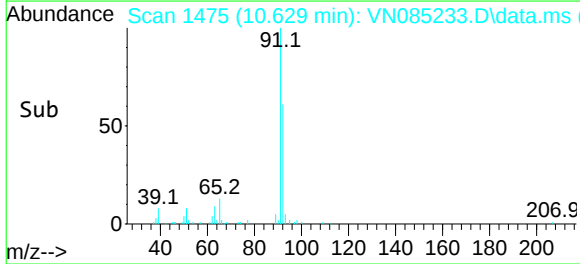
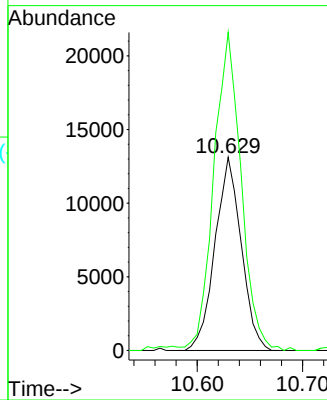
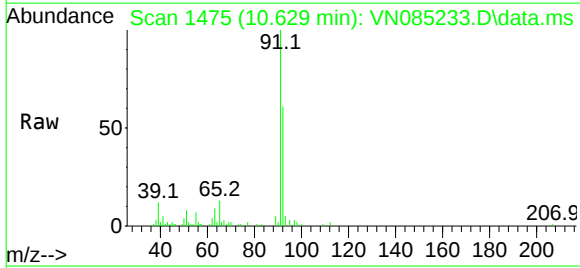
MW2-20241213

Tgt Ion: 92 Resp: 22715

Ion Ratio Lower Upper

92 100

91 173.1 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 51.712 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

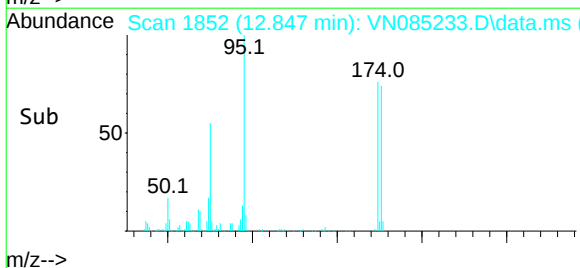
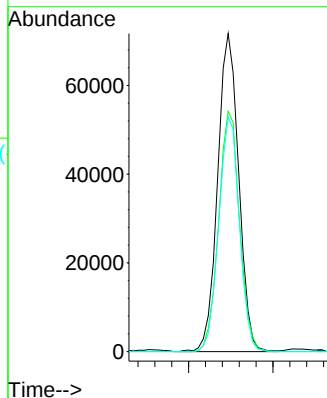
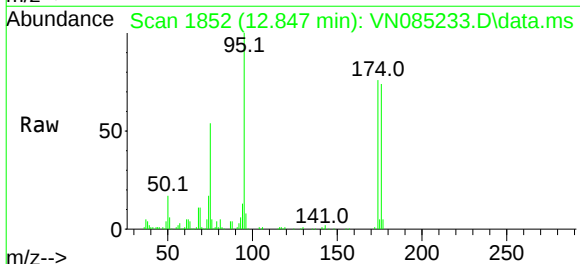
Tgt Ion: 95 Resp: 124253

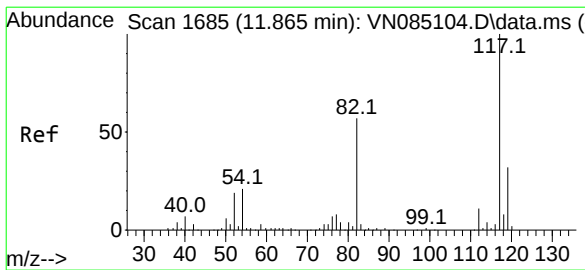
Ion Ratio Lower Upper

95 100

174 75.0 0.0 146.6

176 71.9 0.0 141.8

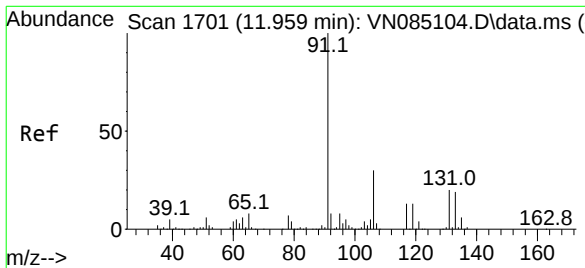
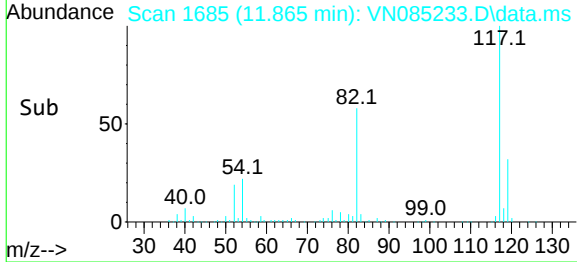
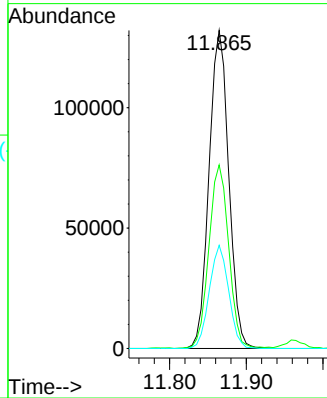
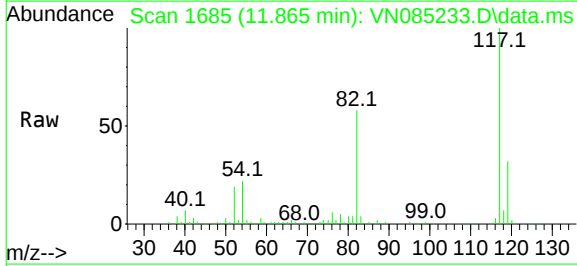




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

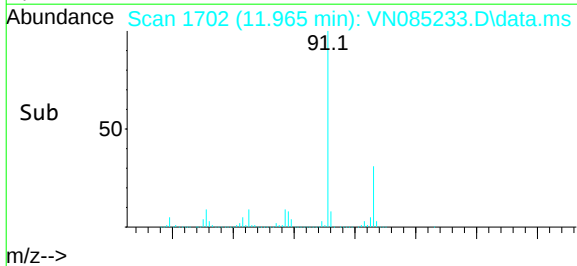
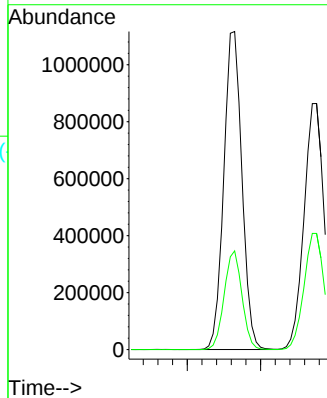
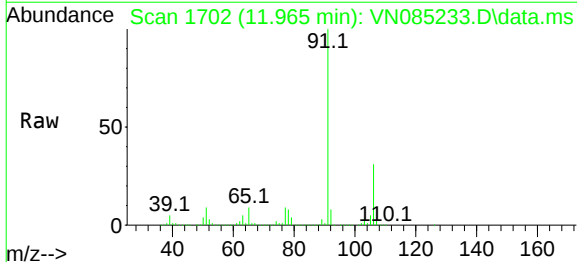
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

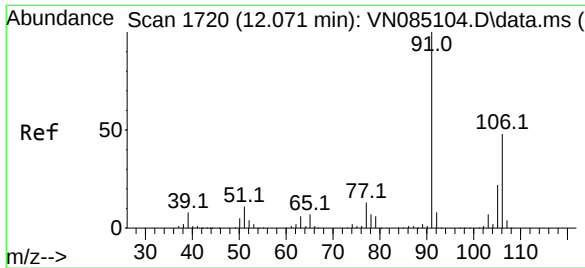
Tgt Ion:	117	Resp:	235312
Ion	Ratio	Lower	Upper
117	100		
82	57.6	46.0	69.0
119	32.4	25.6	38.4



#67
Ethyl Benzene
Concen: 221.682 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Tgt Ion:	91	Resp:	1919322
Ion	Ratio	Lower	Upper
91	100		
106	31.0	24.7	37.1

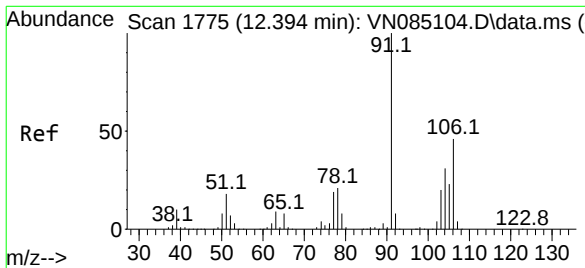
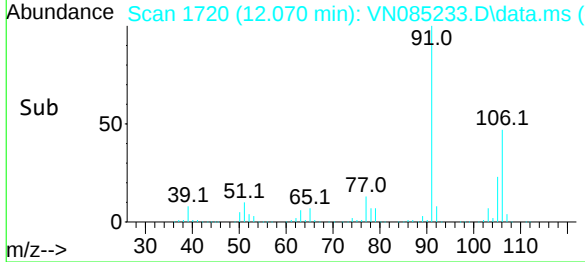
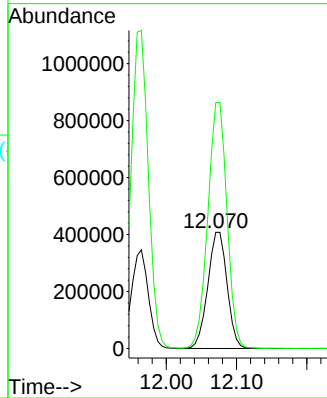
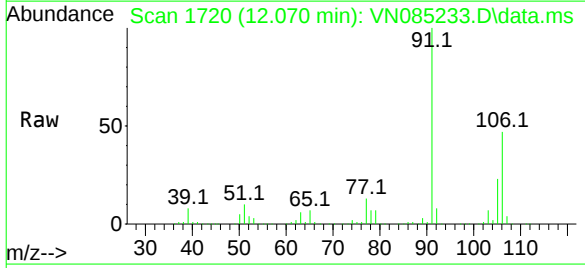




#68
m/p-Xylenes
Concen: 235.637 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

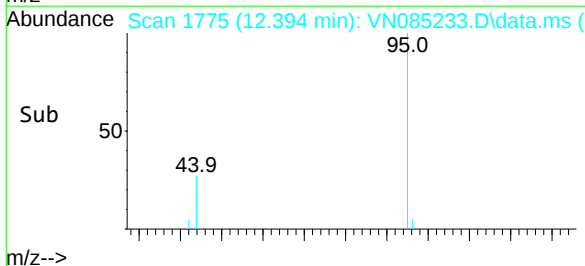
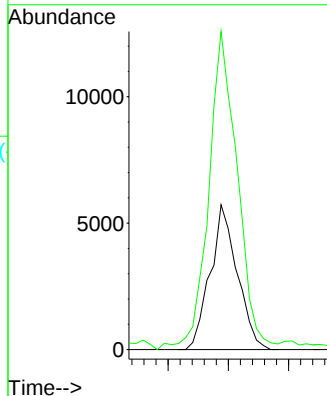
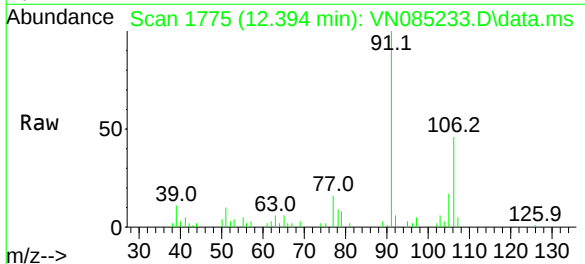
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

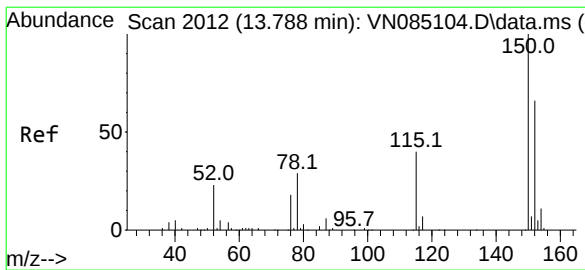
Tgt Ion:106 Resp: 776720
Ion Ratio Lower Upper
106 100
91 210.1 168.0 252.0



#69
o-Xylene
Concen: 2.849 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

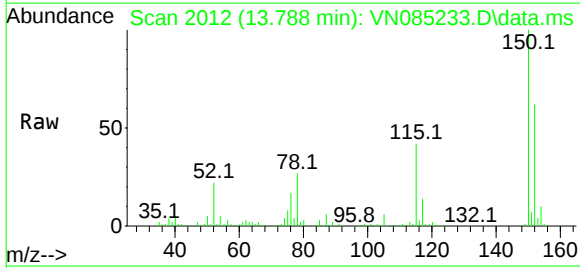
Tgt Ion:106 Resp: 8932
Ion Ratio Lower Upper
106 100
91 233.3 110.7 331.9



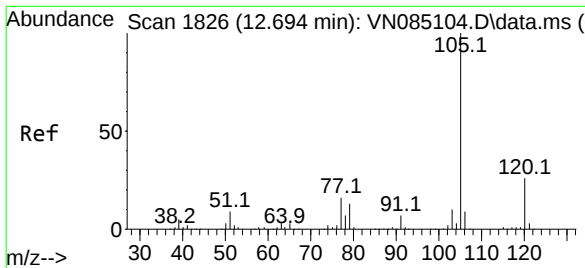
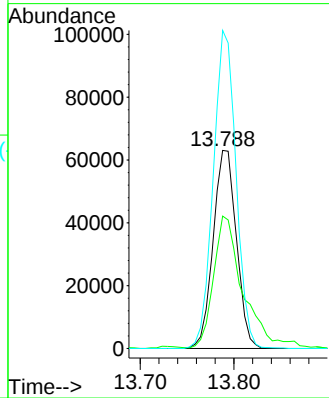
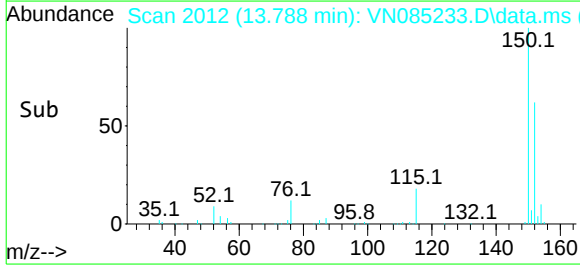


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

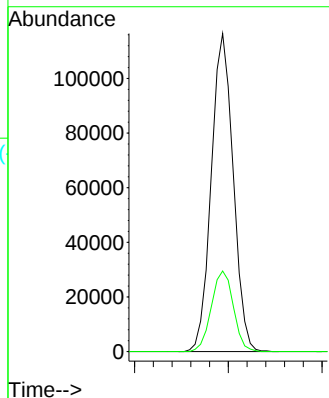
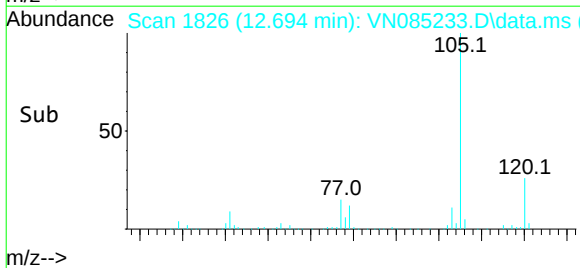
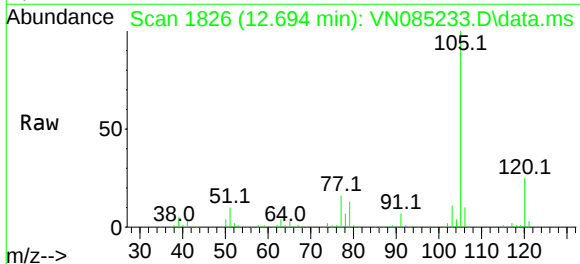


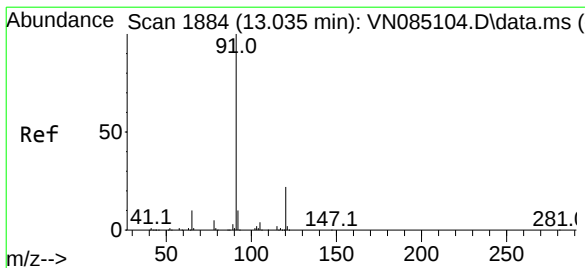
Tgt Ion:152 Resp: 108758
Ion Ratio Lower Upper
152 100
115 85.9 31.7 95.1
150 157.2 0.0 351.4



#73
Isopropylbenzene
Concen: 24.634 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Tgt Ion:105 Resp: 189007
Ion Ratio Lower Upper
105 100
120 25.4 13.0 39.0





#78

n-propylbenzene

Concen: 52.885 ug/l

RT: 13.035 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

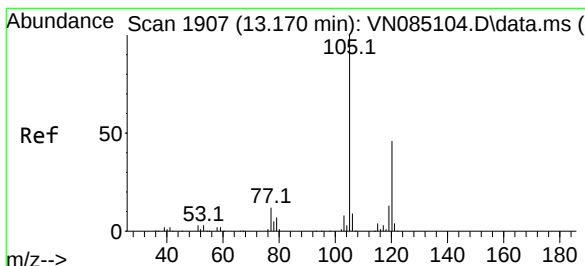
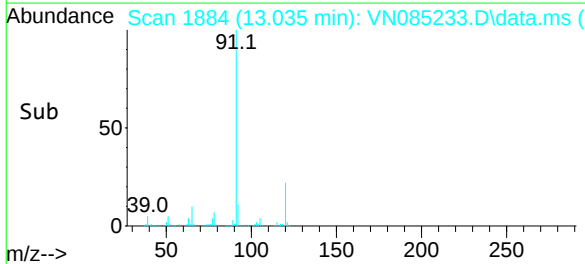
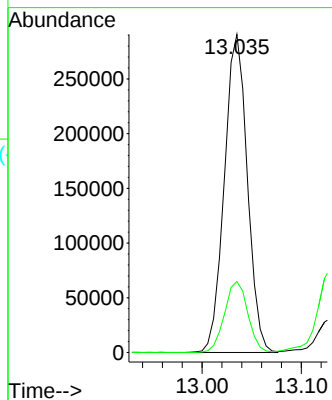
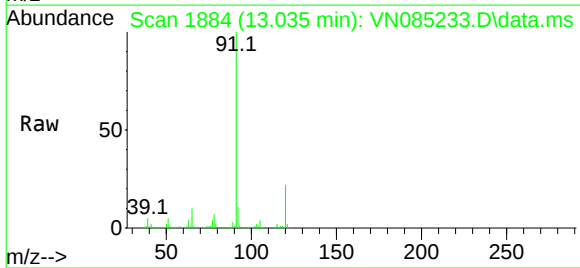
MW2-20241213

Tgt Ion: 91 Resp: 468009

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 55.372 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085233.D

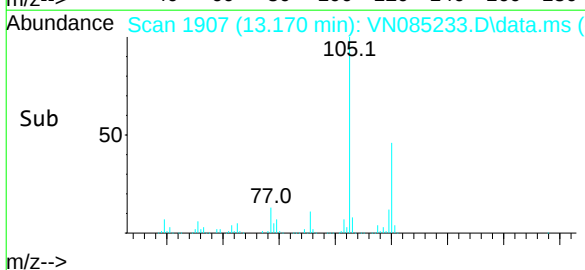
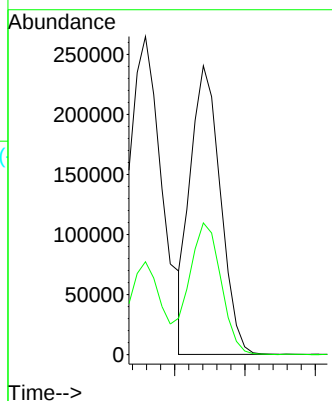
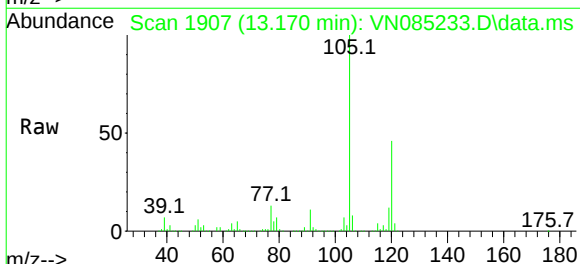
Acq: 17 Dec 2024 18:46

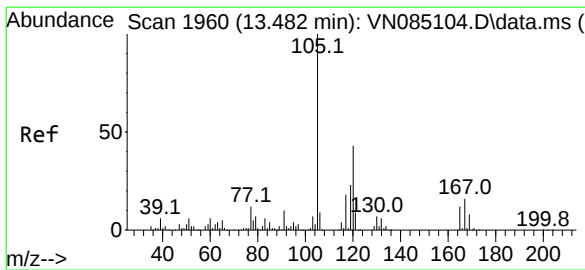
Tgt Ion:105 Resp: 356497

Ion Ratio Lower Upper

105 100

120 49.2 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 191.834 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

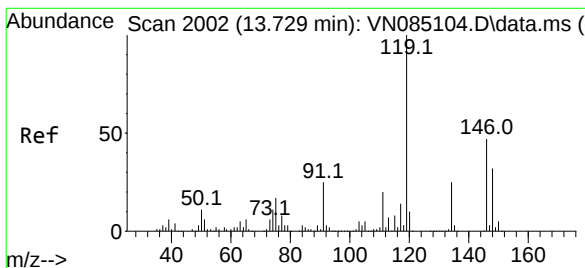
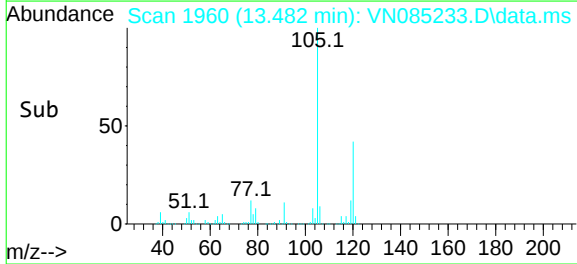
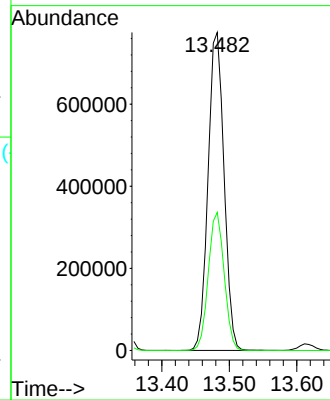
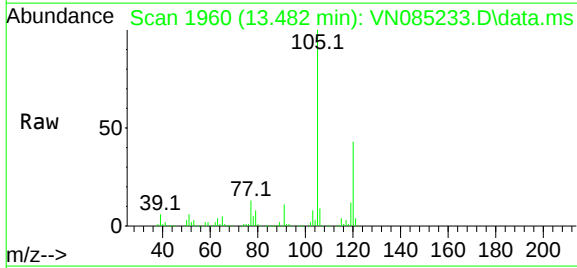
MW2-20241213

Tgt Ion:105 Resp: 1271323

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4



#86

p-Isopropyltoluene

Concen: 1.058 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

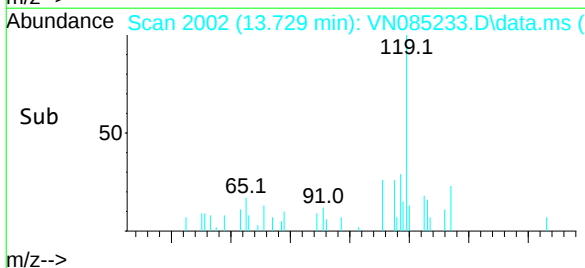
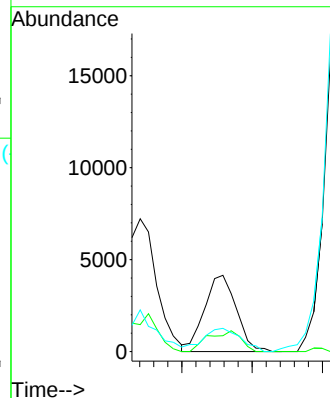
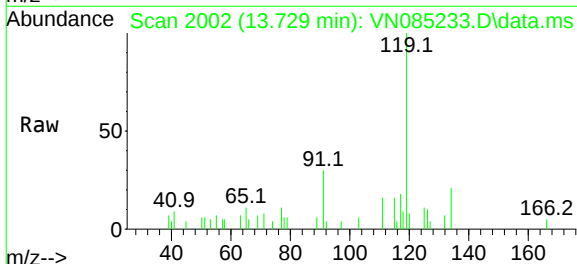
Tgt Ion:119 Resp: 6534

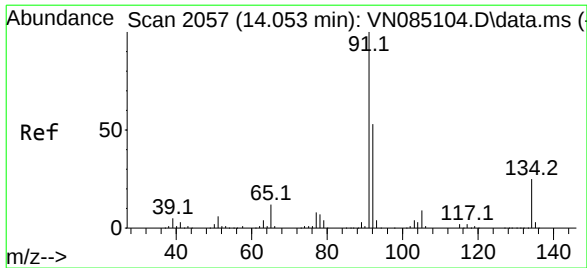
Ion Ratio Lower Upper

119 100

134 28.1 13.0 39.0

91 0.0 12.8 38.4#





#89
 n-Butylbenzene
 Concen: 6.163 ug/l
 RT: 14.053 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085233.D
 Acq: 17 Dec 2024 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213

Tgt Ion:	91	Resp:	35403
Ion	Ratio	Lower	Upper
91	100		
92	56.0	26.8	80.3
134	0.0	12.8	38.4#

