

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084956.D
 Acq On : 19 Nov 2024 18:52
 Operator : JC\MD
 Sample : P4844-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 241113075-01-VOA

Quant Time: Nov 20 04:26:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

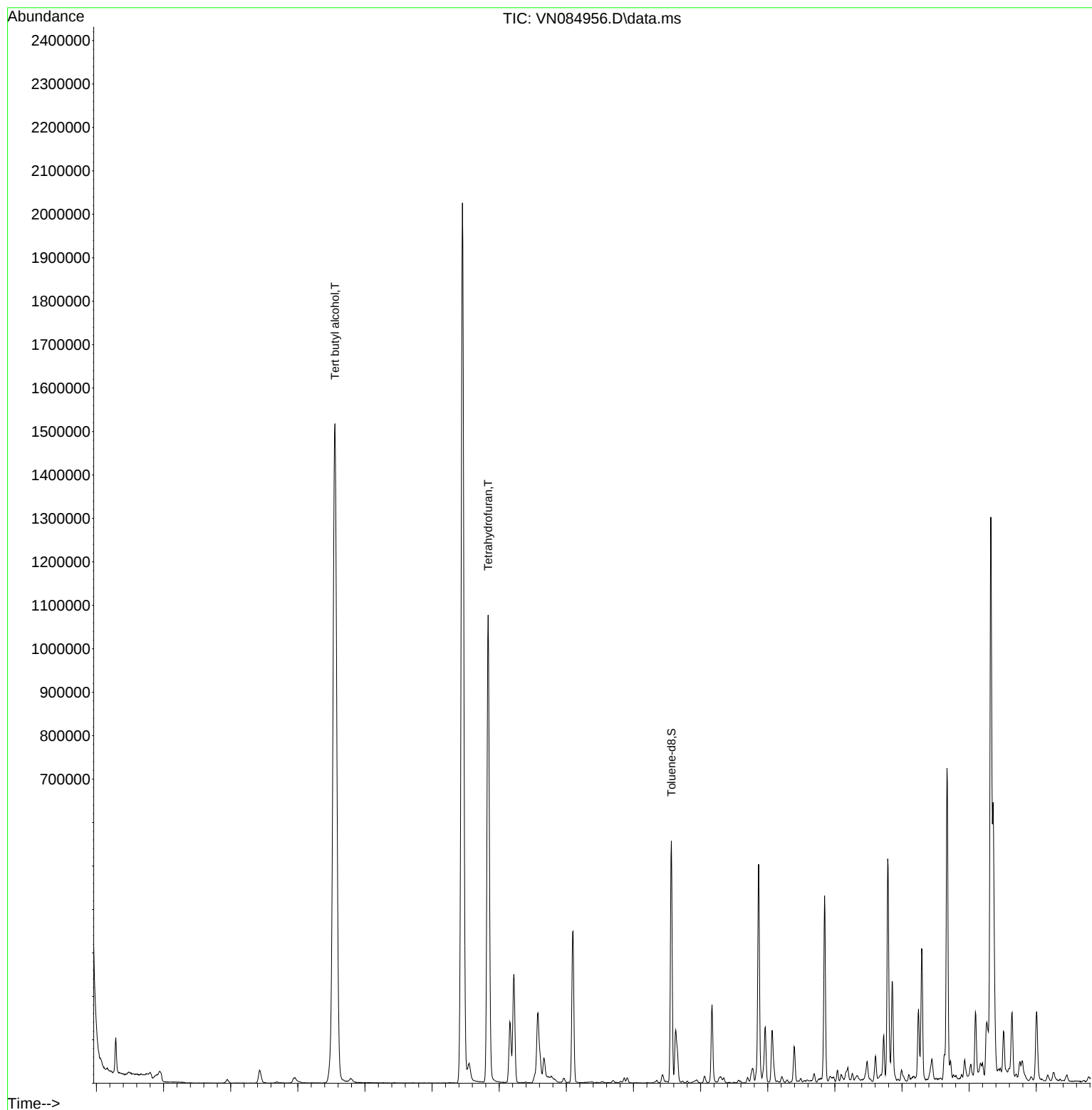
Internal Standards						
1) Pentafluorobenzene	8.218	168	177667	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	132494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	127482	49.679	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.360%		
35) Dibromofluoromethane	8.159	113	100491	48.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	10.565	98	367131	47.636	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.280%		
62) 4-Bromofluorobenzene	12.847	95	146986	51.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.060%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.953	74	4522	3.542	ug/l	80
11) Tert butyl alcohol	5.553	59	3490593	10305.253	ug/l	99
16) Acetone	4.430	43	14563	16.988	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	12862	2.074	ug/l	94
29) Tetrahydrofuran	7.835	42	841082	1058.999	ug/l	95
40) Benzene	8.606	78	32026	3.437	ug/l	97
52) Toluene	10.623	92	49047	9.000	ug/l	97
65) Chlorobenzene	11.894	112	6529	1.033	ug/l	91
67) Ethyl Benzene	11.965	91	88962	8.434	ug/l	97
68) m/p-Xylenes	12.065	106	36692	9.189	ug/l	94
69) o-Xylene	12.394	106	20698	5.541	ug/l	93
73) Isopropylbenzene	12.694	105	7103	0.765	ug/l	99
78) n-propylbenzene	13.029	91	4647	0.427	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	5775	0.750	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	23609	2.973	ug/l	99
86) p-Isopropyltoluene	13.729	119	53846	7.298	ug/l	98
95) Naphthalene	15.635	128	138580	18.071	ug/l	99

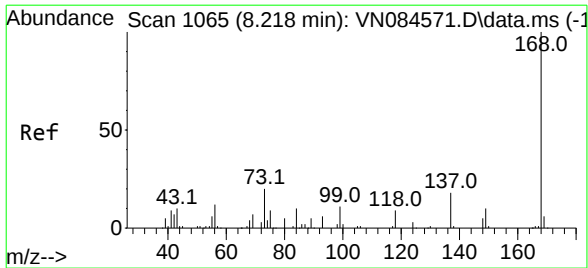
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084956.D
Acq On : 19 Nov 2024 18:52
Operator : JC\MD
Sample : P4844-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
241113075-01-VOA

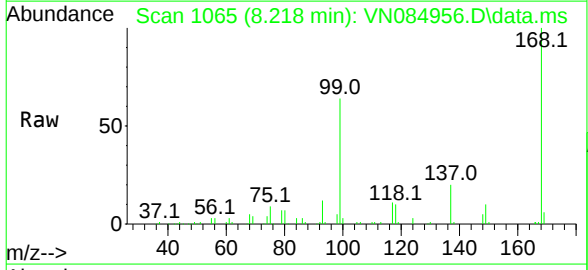
Quant Time: Nov 20 04:26:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



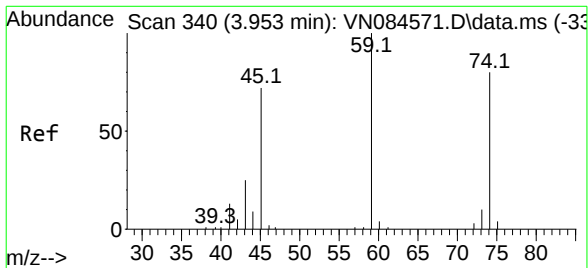
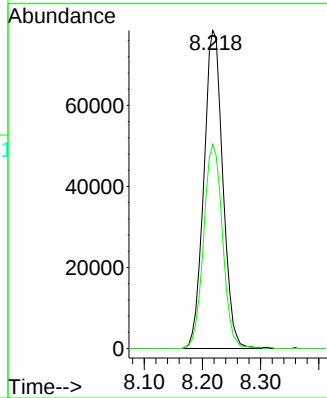
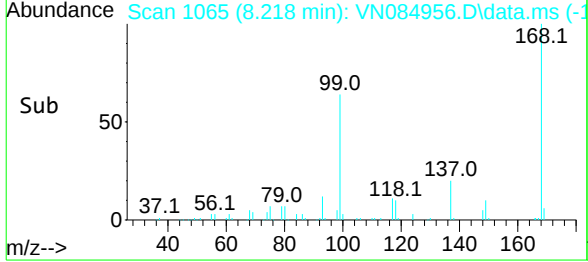


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
241113075-01-VOA

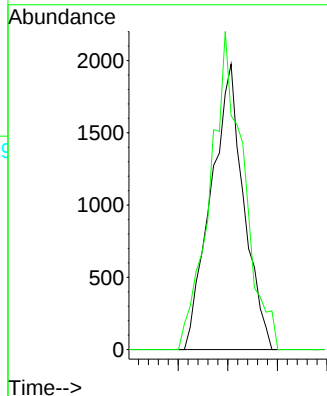
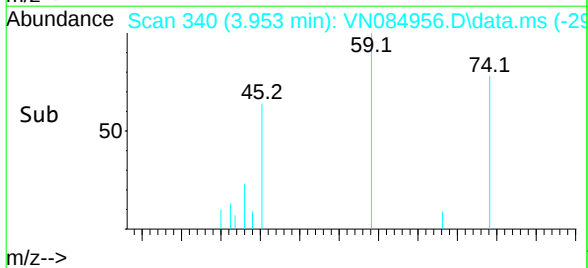
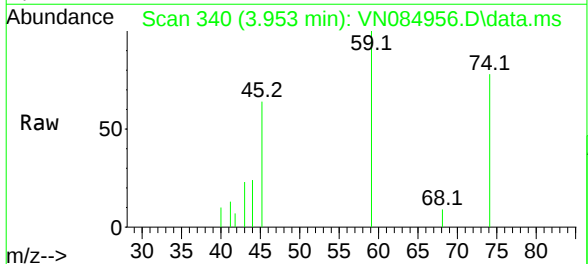


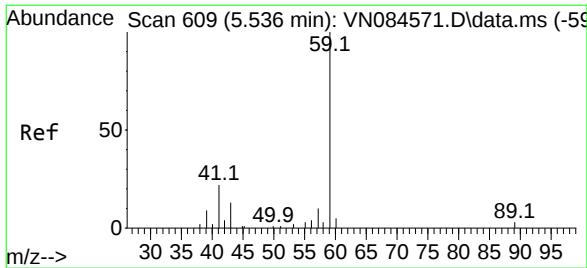
Tgt Ion:168 Resp: 177667
Ion Ratio Lower Upper
168 100
99 64.2 54.2 81.2



#8
Diethyl Ether
Concen: 3.542 ug/l
RT: 3.953 min Scan# 340
Delta R.T. -0.006 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Tgt Ion: 74 Resp: 4522
Ion Ratio Lower Upper
74 100
45 114.5 47.7 143.1





#11

Tert butyl alcohol

Concen: 10305.253 ug/l

RT: 5.553 min Scan# 61

Delta R.T. 0.029 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

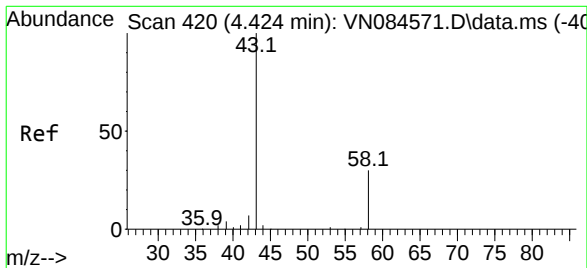
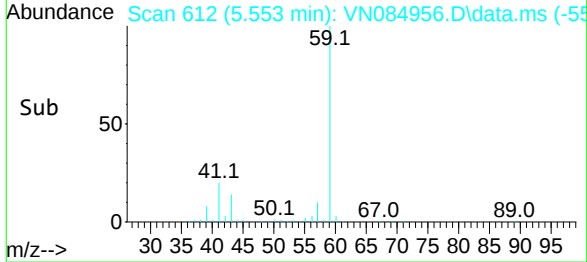
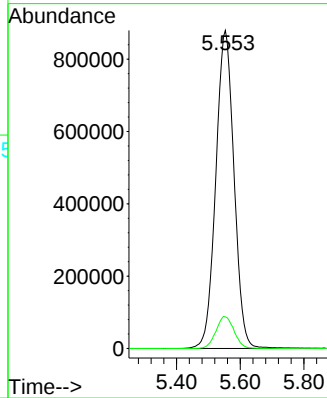
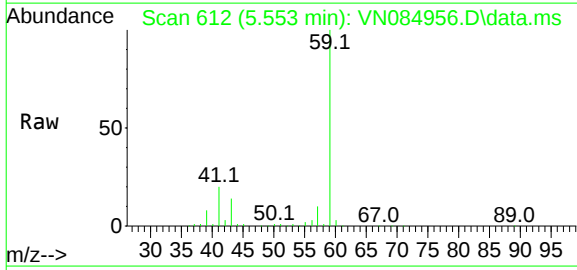
241113075-01-VOA

Tgt Ion: 59 Resp: 3490593

Ion Ratio Lower Upper

59 100

57 10.0 8.2 12.2



#16

Acetone

Concen: 16.988 ug/l

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084956.D

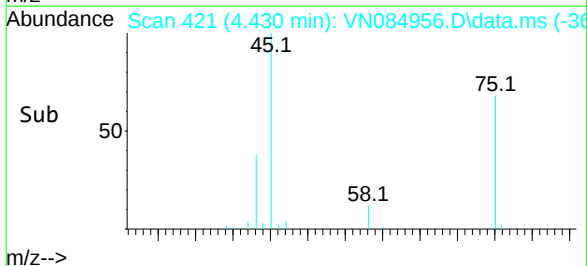
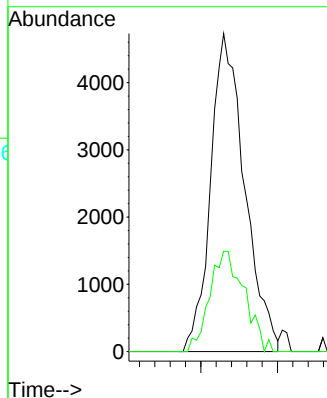
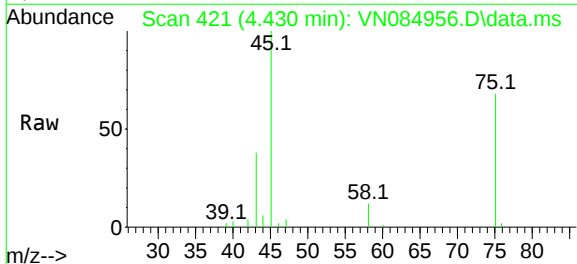
Acq: 19 Nov 2024 18:52

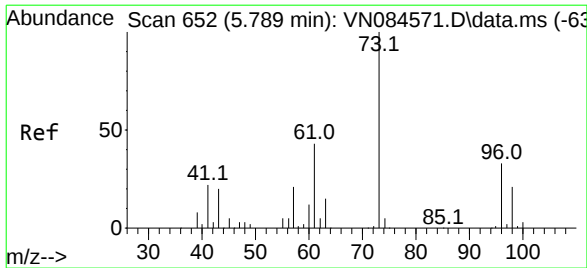
Tgt Ion: 43 Resp: 14563

Ion Ratio Lower Upper

43 100

58 31.5 24.4 36.6





#19

Methyl tert-butyl Ether

Concen: 2.074 ug/l

RT: 5.789 min Scan# 652

Delta R.T. -0.006 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

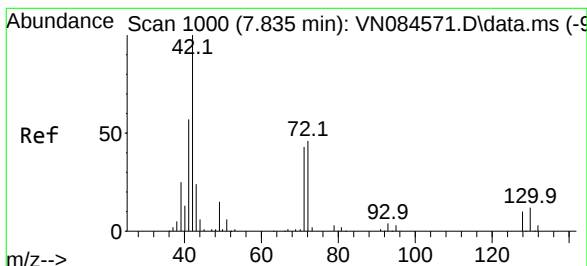
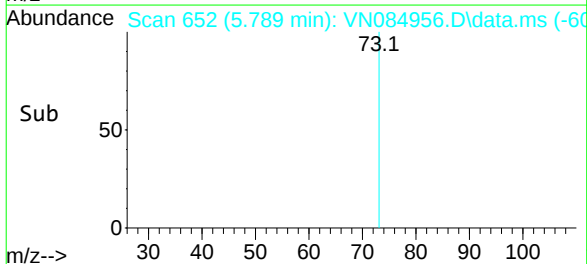
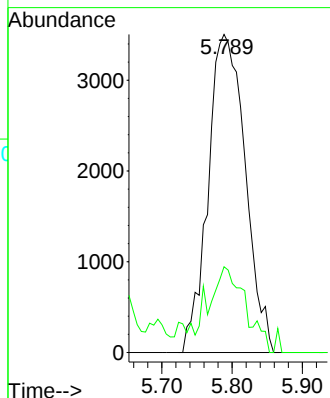
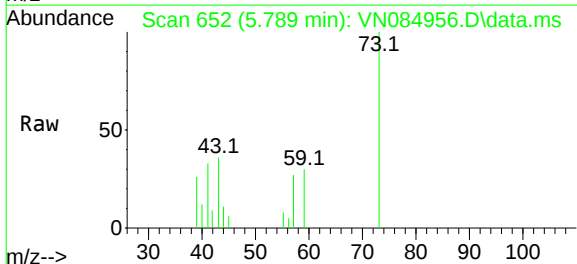
241113075-01-VOA

Tgt Ion: 73 Resp: 12862

Ion Ratio Lower Upper

73 100

57 19.4 17.7 26.5



#29

Tetrahydrofuran

Concen: 1058.999 ug/l

RT: 7.835 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

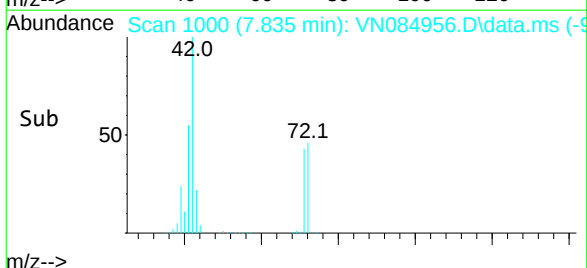
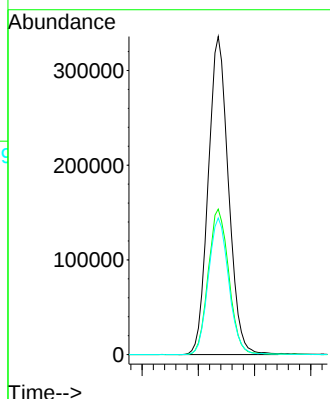
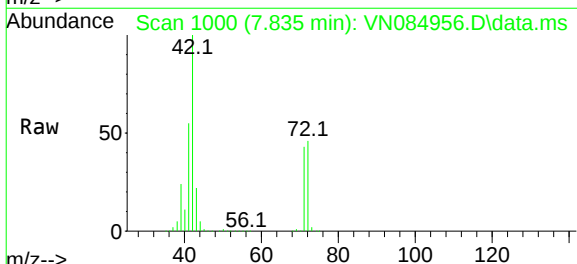
Tgt Ion: 42 Resp: 841082

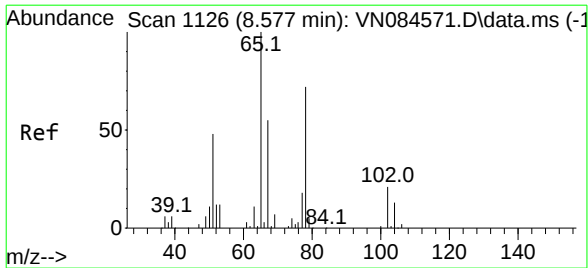
Ion Ratio Lower Upper

42 100

72 46.6 34.6 51.8

71 43.4 32.2 48.4

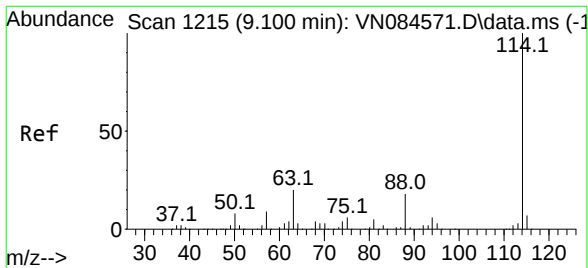
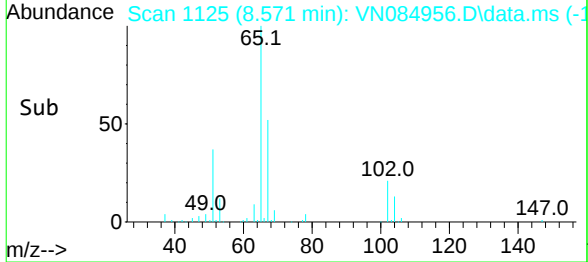
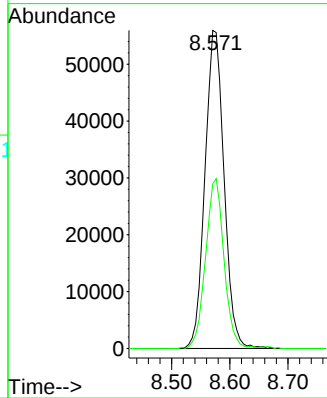
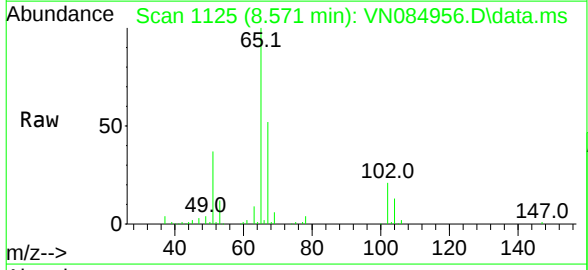




#33
 1,2-Dichloroethane-d4
 Concen: 49.679 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084956.D
 Acq: 19 Nov 2024 18:52

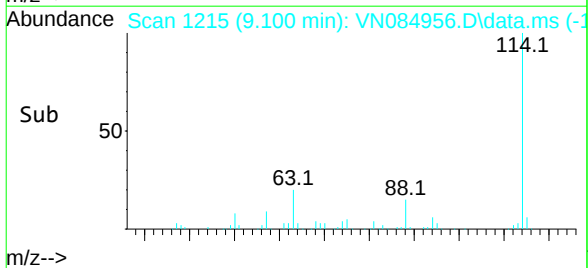
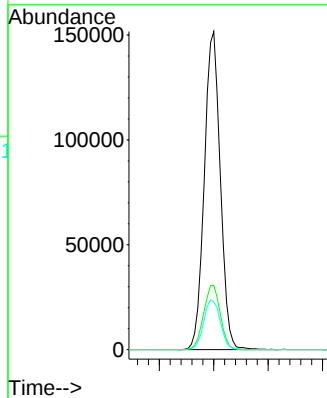
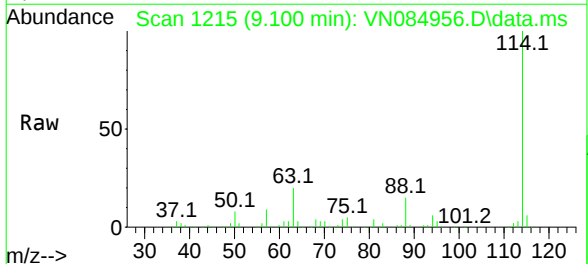
Instrument :
 MSVOA_N
 ClientSampleId :
 241113075-01-VOA

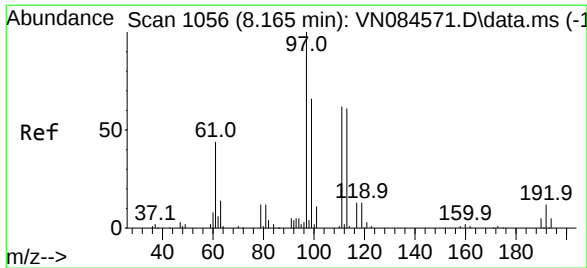
Tgt Ion: 65 Resp: 127482
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084956.D
 Acq: 19 Nov 2024 18:52

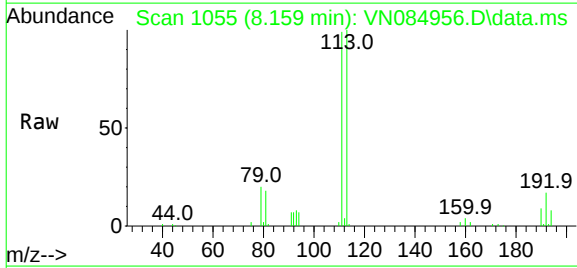
Tgt Ion: 114 Resp: 309095
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 43.8
 88 15.0 0.0 31.6



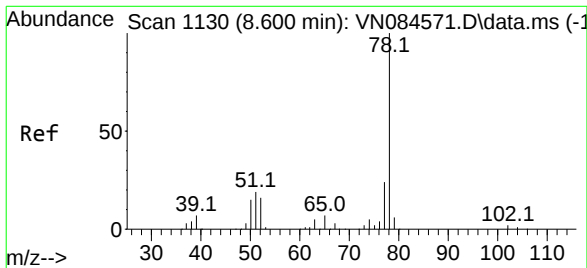
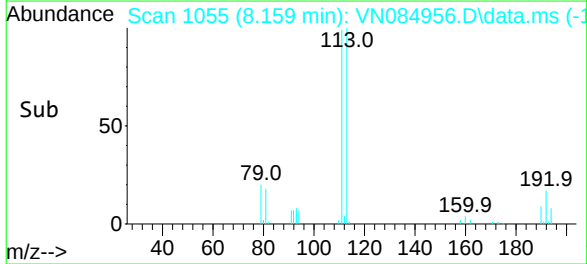
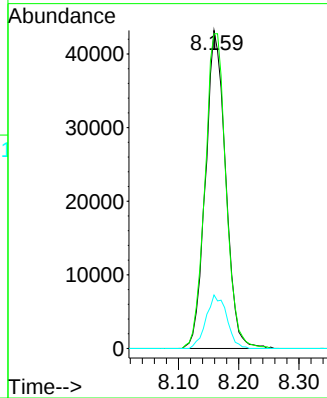


#35
Dibromofluoromethane
Concen: 48.031 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
241113075-01-VOA

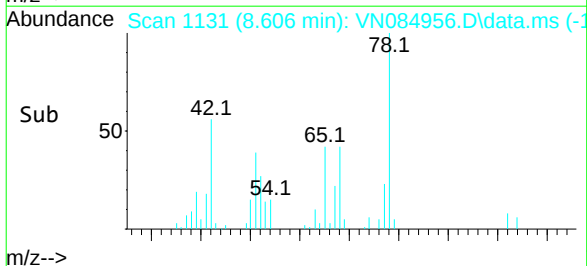
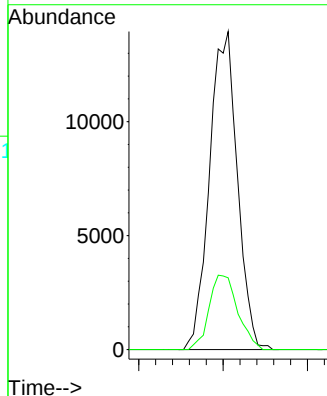
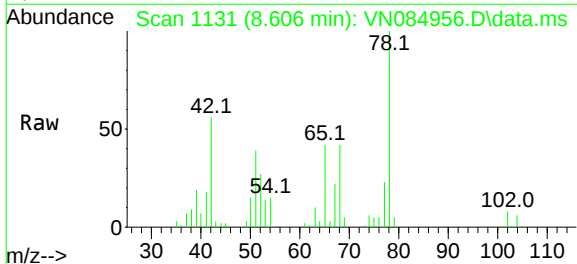


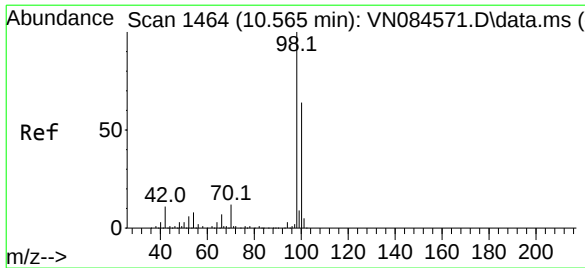
Tgt Ion:	113	Resp:	100491
Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	17.2	13.5	20.3



#40
Benzene
Concen: 3.437 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Tgt Ion:	78	Resp:	32026
Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7





#50

Toluene-d8

Concen: 47.636 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

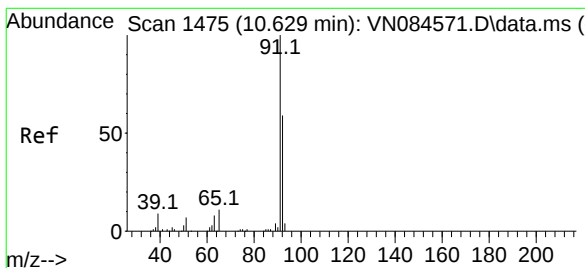
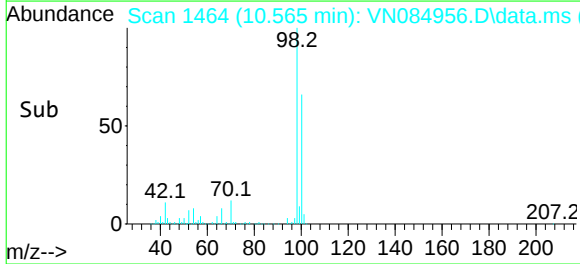
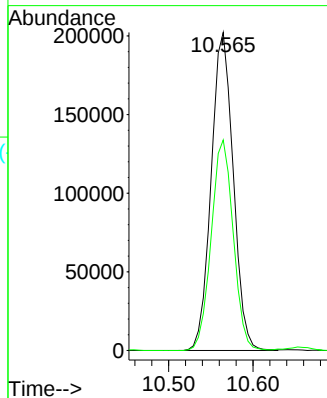
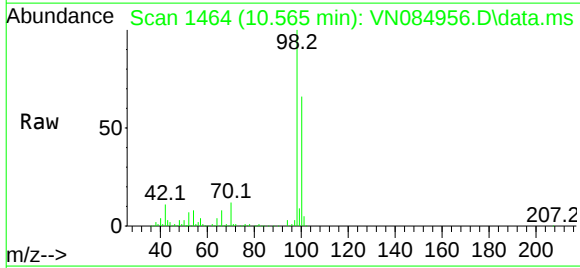
241113075-01-VOA

Tgt Ion: 98 Resp: 367131

Ion Ratio Lower Upper

98 100

100 66.3 52.7 79.1



#52

Toluene

Concen: 9.000 ug/l

RT: 10.623 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN084956.D

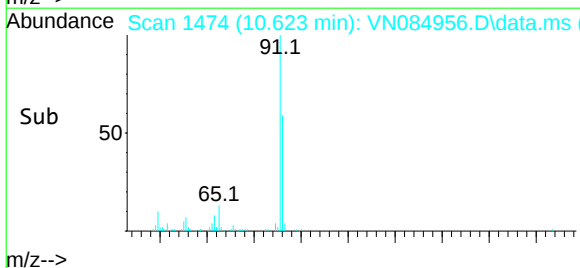
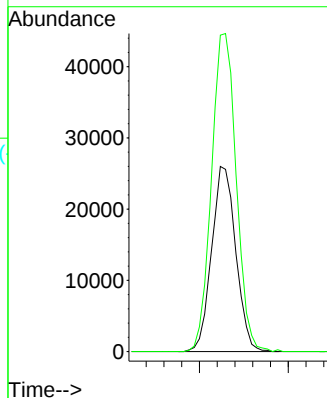
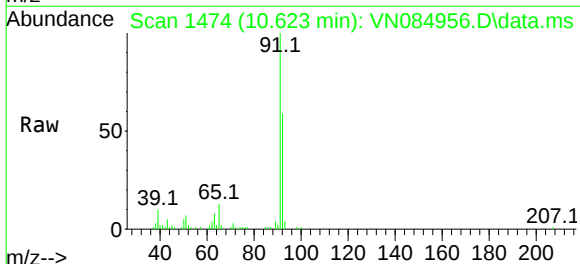
Acq: 19 Nov 2024 18:52

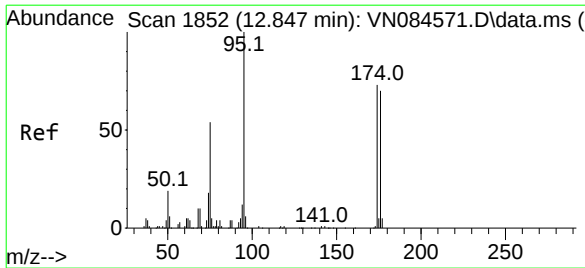
Tgt Ion: 92 Resp: 49047

Ion Ratio Lower Upper

92 100

91 176.0 137.3 205.9





#62

4-Bromofluorobenzene

Concen: 51.031 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN084956.D

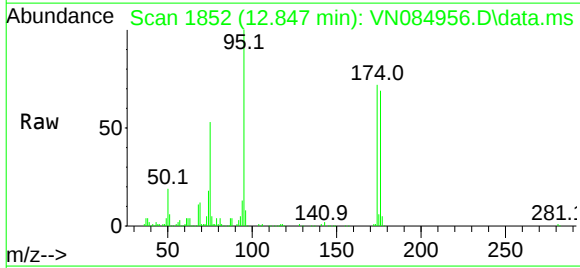
Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

241113075-01-VOA



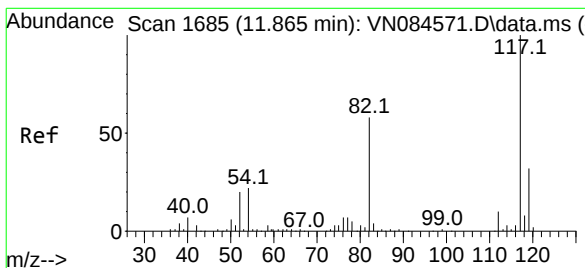
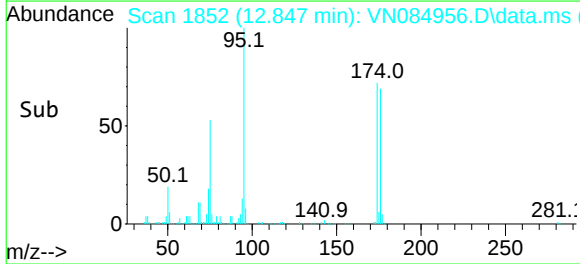
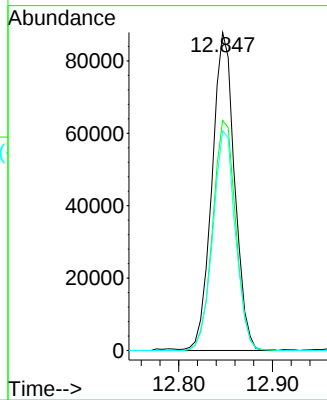
Tgt Ion: 95 Resp: 146986

Ion Ratio Lower Upper

95 100

174 73.5 0.0 145.2

176 69.5 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

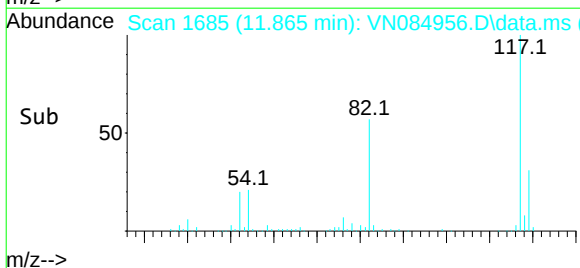
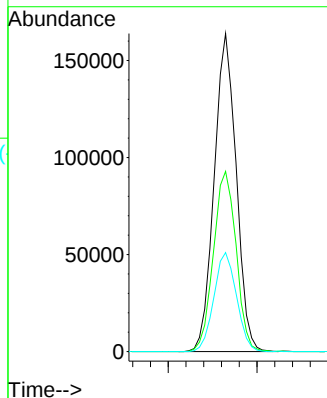
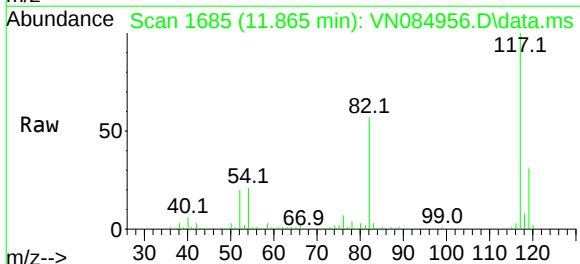
Tgt Ion: 117 Resp: 282445

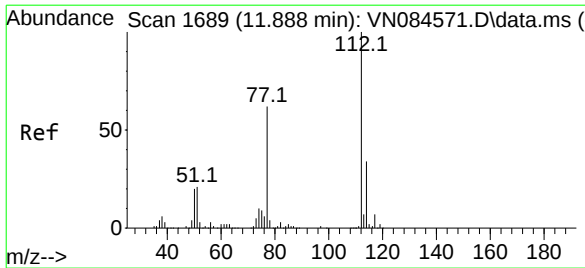
Ion Ratio Lower Upper

117 100

82 56.7 47.2 70.8

119 31.1 25.4 38.0





#65

Chlorobenzene

Concen: 1.033 ug/l

RT: 11.894 min Scan# 16

Delta R.T. 0.006 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

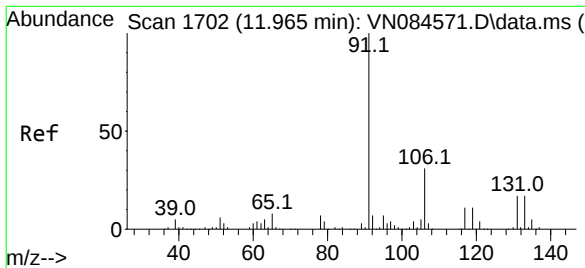
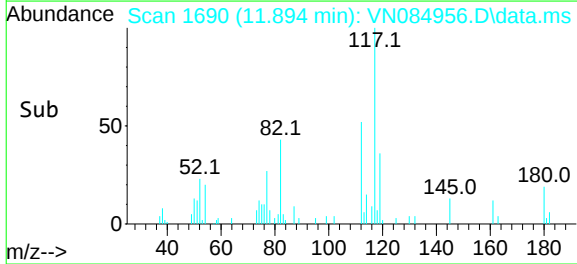
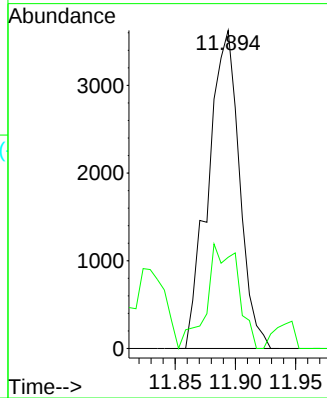
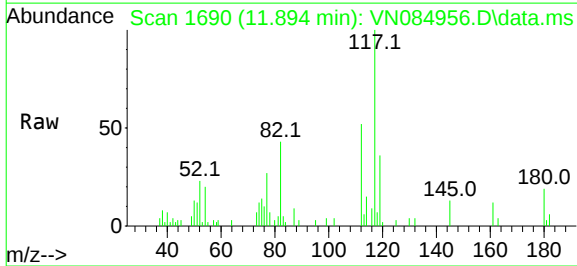
241113075-01-VOA

Tgt Ion:112 Resp: 6529

Ion Ratio Lower Upper

112 100

114 28.7 27.0 40.6



#67

Ethyl Benzene

Concen: 8.434 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN084956.D

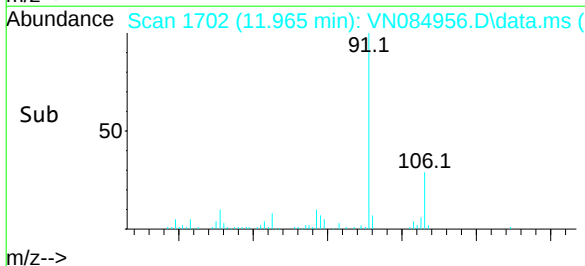
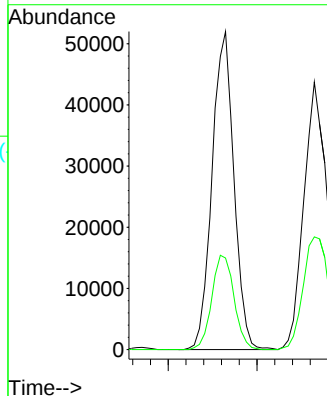
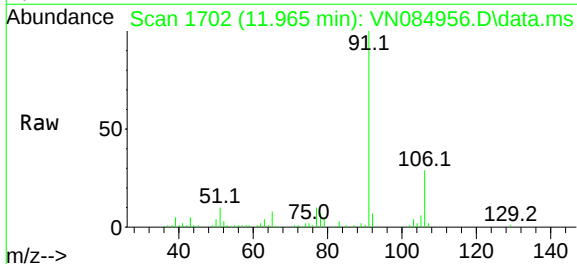
Acq: 19 Nov 2024 18:52

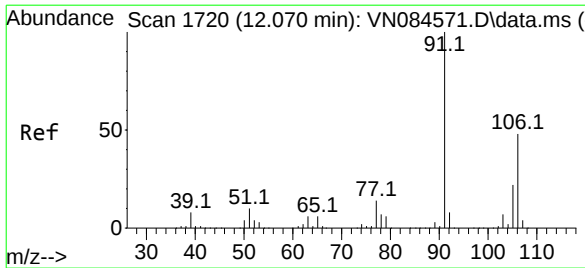
Tgt Ion: 91 Resp: 88962

Ion Ratio Lower Upper

91 100

106 28.8 24.5 36.7

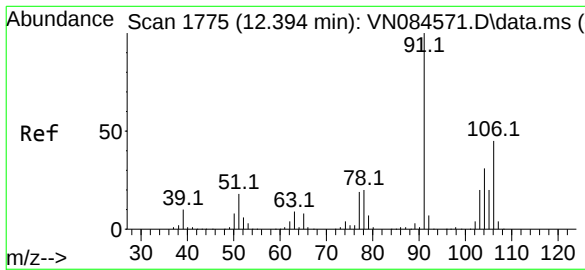
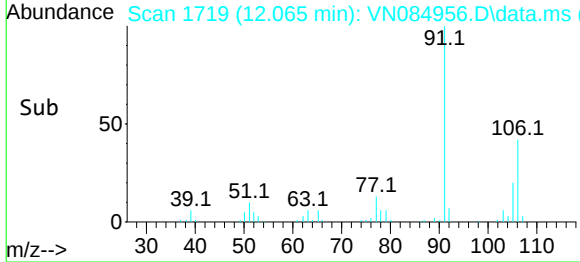
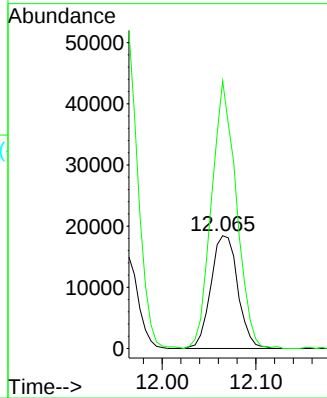
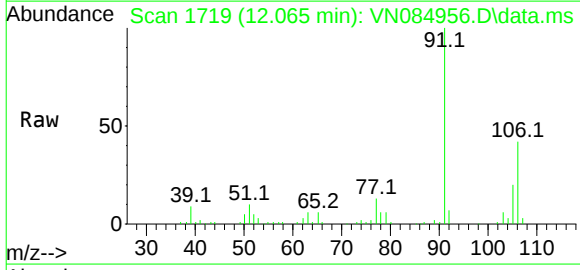




#68
m/p-Xylenes
Concen: 9.189 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

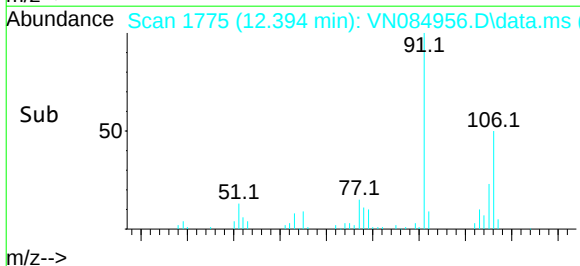
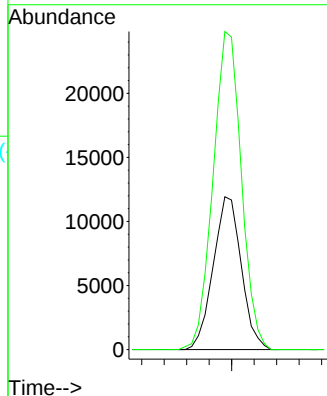
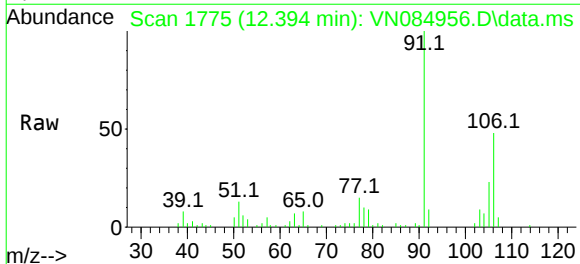
Instrument :
MSVOA_N
ClientSampleId :
241113075-01-VOA

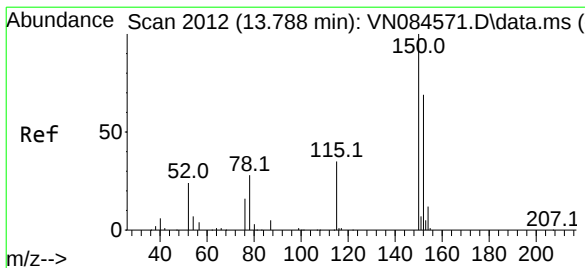
Tgt Ion:106 Resp: 36692
Ion Ratio Lower Upper
106 100
91 219.0 167.1 250.7



#69
o-Xylene
Concen: 5.541 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Tgt Ion:106 Resp: 20698
Ion Ratio Lower Upper
106 100
91 209.5 110.2 330.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2012

Delta R.T. 0.006 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

241113075-01-VOA

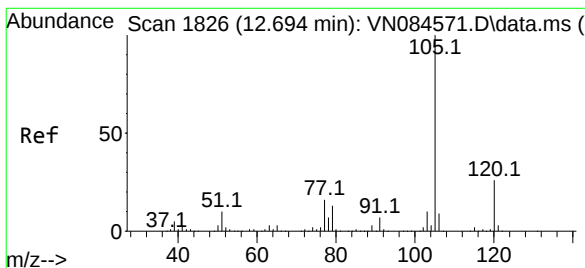
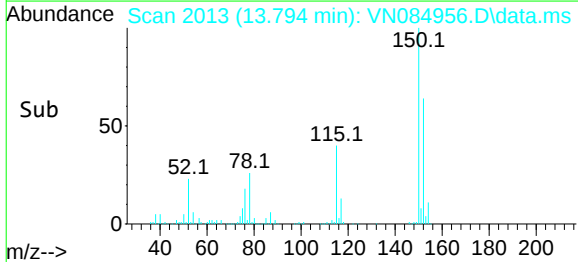
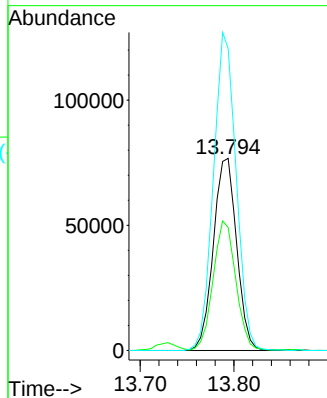
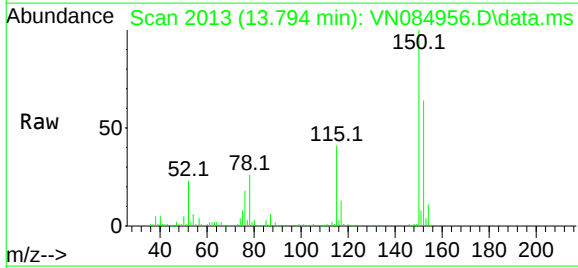
Tgt Ion:152 Resp: 132494

Ion Ratio Lower Upper

152 100

115 65.1 31.3 93.9

150 160.9 0.0 349.8



#73

Isopropylbenzene

Concen: 0.765 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN084956.D

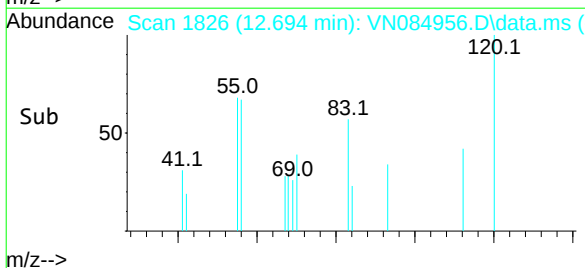
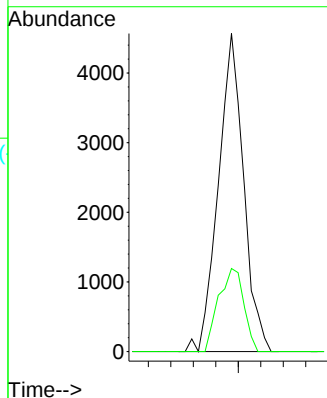
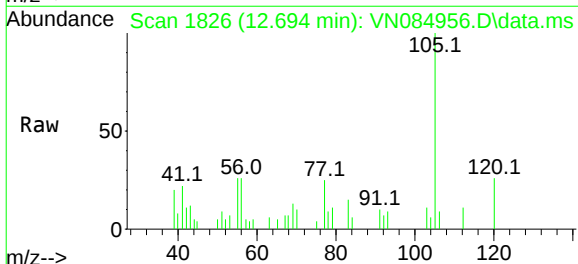
Acq: 19 Nov 2024 18:52

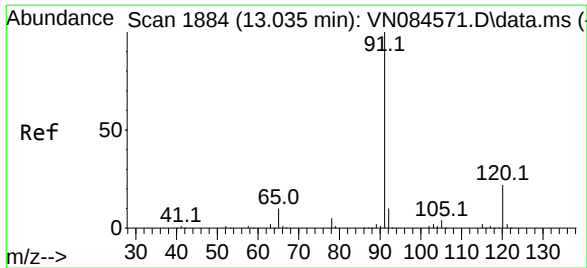
Tgt Ion:105 Resp: 7103

Ion Ratio Lower Upper

105 100

120 26.1 12.9 38.7

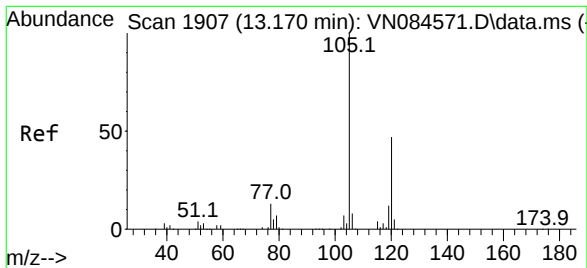
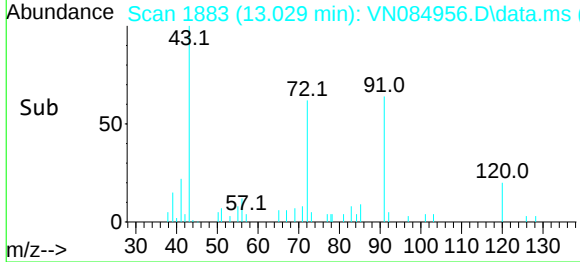
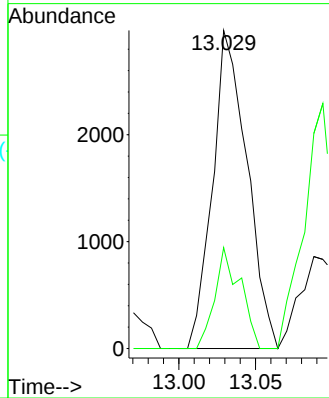
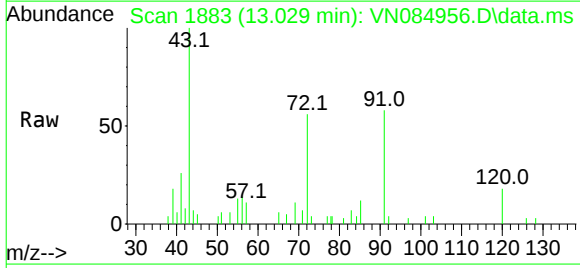




#78
n-propylbenzene
Concen: 0.427 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

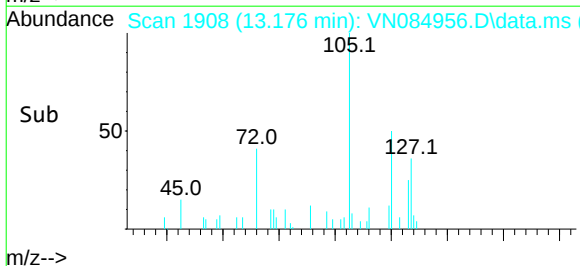
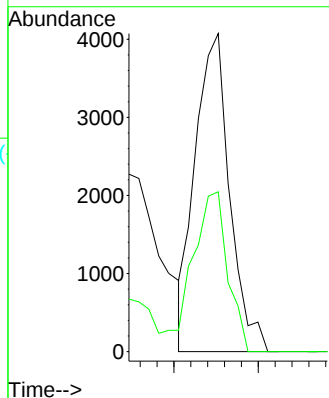
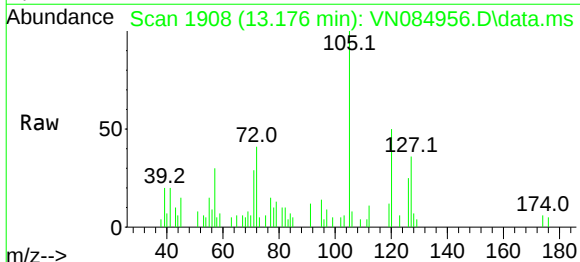
Instrument :
MSVOA_N
ClientSampleId :
241113075-01-VOA

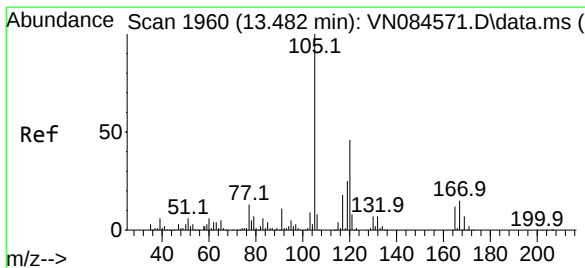
Tgt Ion: 91 Resp: 4647
Ion Ratio Lower Upper
91 100
120 23.5 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 0.750 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Tgt Ion:105 Resp: 5775
Ion Ratio Lower Upper
105 100
120 52.0 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 2.973 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.000 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

Instrument :

MSVOA_N

ClientSampleId :

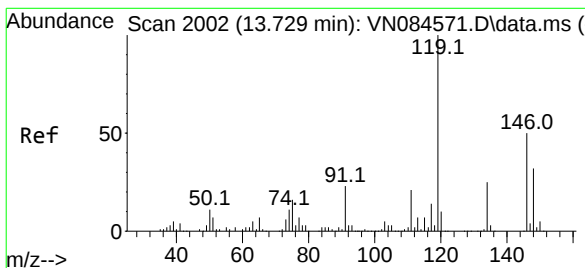
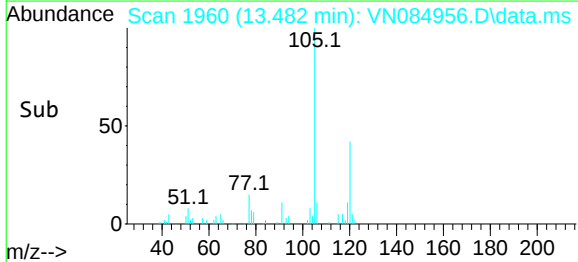
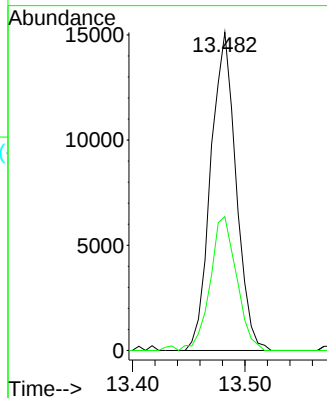
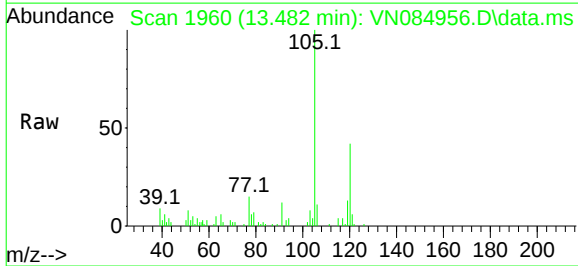
241113075-01-VOA

Tgt Ion:105 Resp: 23609

Ion Ratio Lower Upper

105 100

120 43.9 22.3 66.8



#86

p-Isopropyltoluene

Concen: 7.298 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084956.D

Acq: 19 Nov 2024 18:52

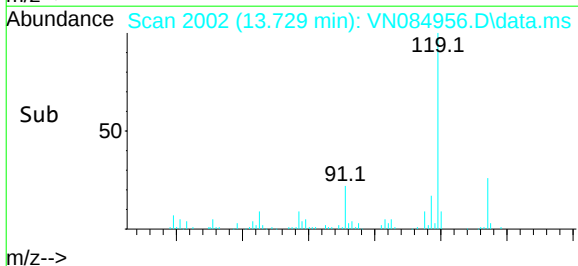
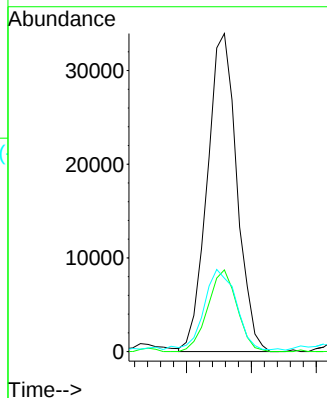
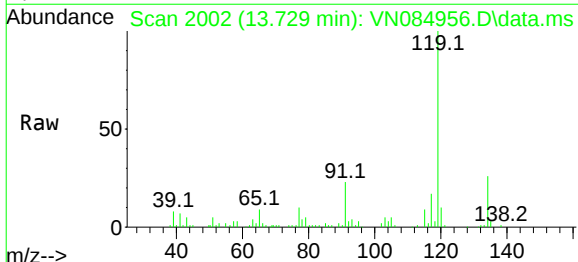
Tgt Ion:119 Resp: 53846

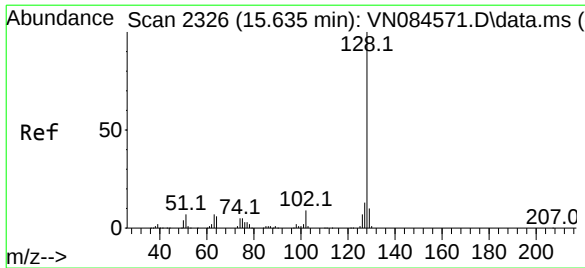
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

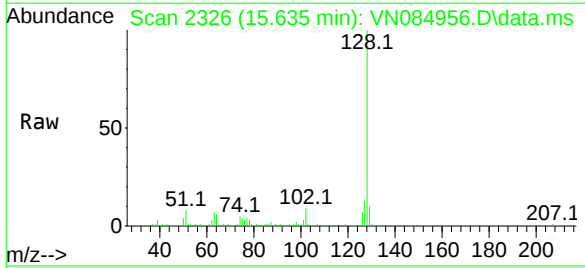
91 27.0 12.4 37.2





#95
Naphthalene
Concen: 18.071 ug/l
RT: 15.635 min Scan# 23
Delta R.T. -0.000 min
Lab File: VN084956.D
Acq: 19 Nov 2024 18:52

Instrument :
MSVOA_N
ClientSampleId :
241113075-01-VOA



Tgt Ion:128 Resp: 138580
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 11.1 8.7 13.1

