

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055518.D
 Acq On : 10 May 2019 00:49
 Operator : JC/SP
 Sample : K2758-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

Quant Time: May 10 13:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	899870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1494993	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1259551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	344992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	610718	45.07	ug/l	0.00
Spiked Amount						
			Recovery	=	90.14%	
35) Dibromofluoromethane	7.59	113	476013	49.36	ug/l	0.00
Spiked Amount						
			Recovery	=	98.72%	
50) Toluene-d8	10.09	98	1846957	49.15	ug/l	0.00
Spiked Amount						
			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	528883	41.74	ug/l	0.00
Spiked Amount						
			Recovery	=	83.48%	

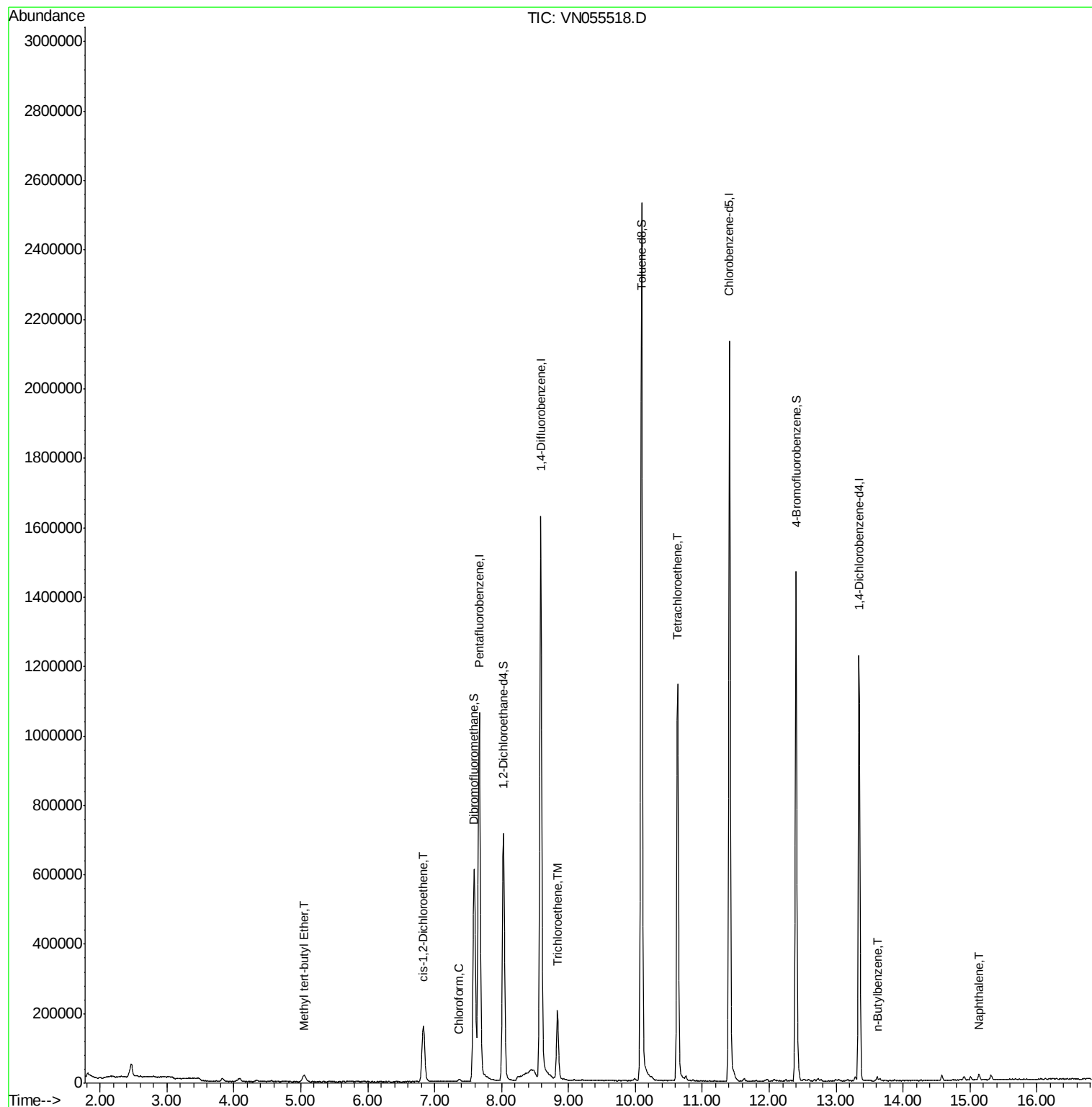
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	5.05	73	27489	0.841	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	105659	8.574	ug/l	92
30) Chloroform	7.38	83	6746	0.330	ug/l	88
44) Trichloroethene	8.83	130	74464	6.846	ug/l	93
64) Tetrachloroethene	10.63	164	279884	27.118	ug/l	99
89) n-Butylbenzene	13.62	91	6549	0.330	ug/l	86
95) Naphthalene	15.14	128	13162	3.798	ug/l	96

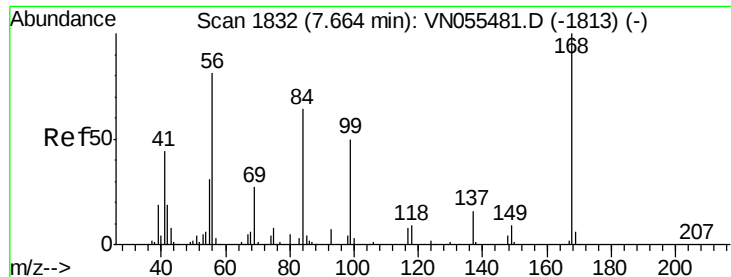
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
Data File : VN055518.D
Acq On : 10 May 2019 00:49
Operator : JC/SP
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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CKMW-23

Quant Time: May 10 13:50:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

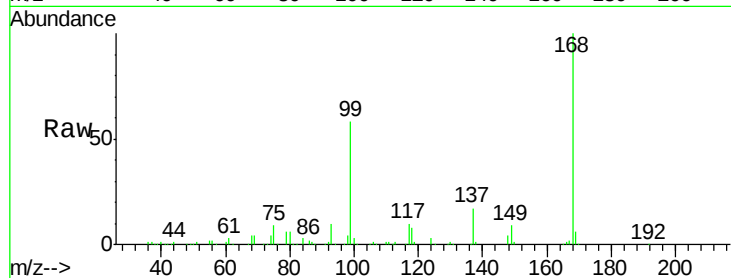
CKMW-23

Tot Ion:168 Resp: 899870

Ion Ratio Lower Upper

168 100

99 57.7 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

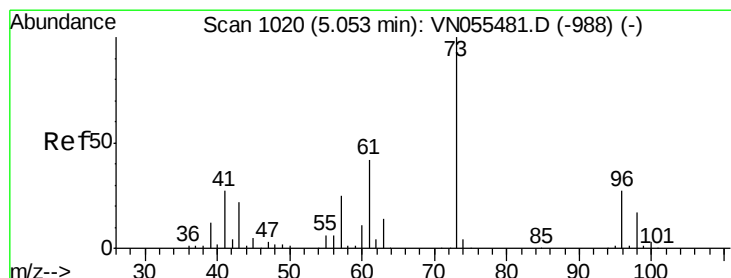
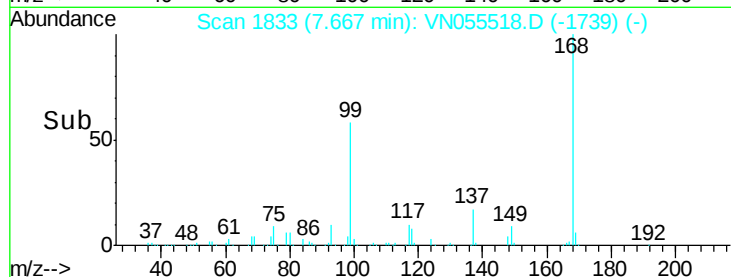
300000

200000

100000

0

Time-->



#19

Methyl tert-butyl Ether

Concen: 0.841 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN055518.D

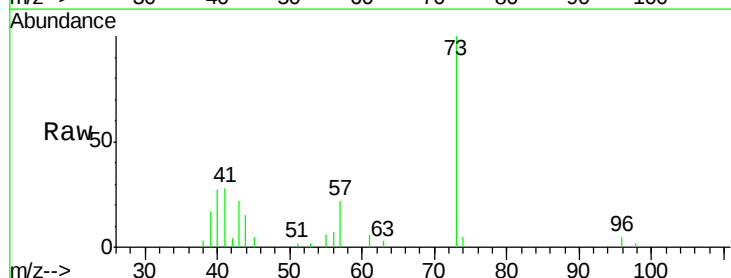
Acq: 10 May 2019 00:49

Tgt Ion: 73 Resp: 27489

Ion Ratio Lower Upper

73 100

57 22.1 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

5.05

8000

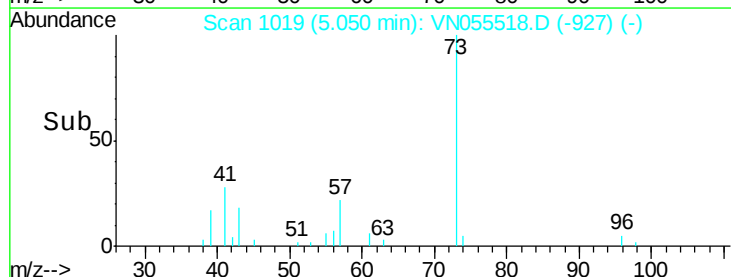
6000

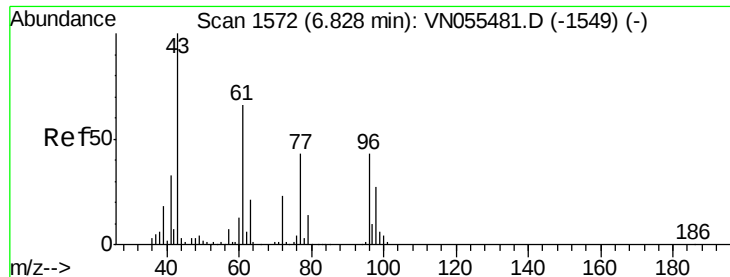
4000

2000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 8.574 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

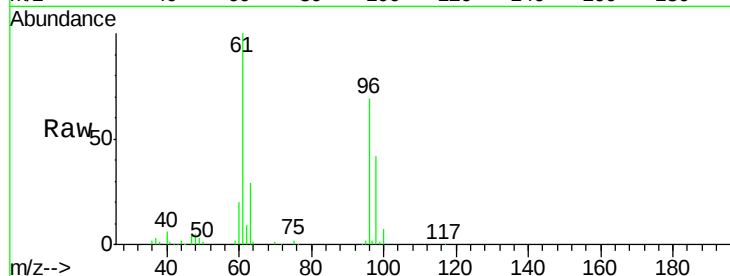
Tot Ion: 96 Resp: 105659

Ion Ratio Lower Upper

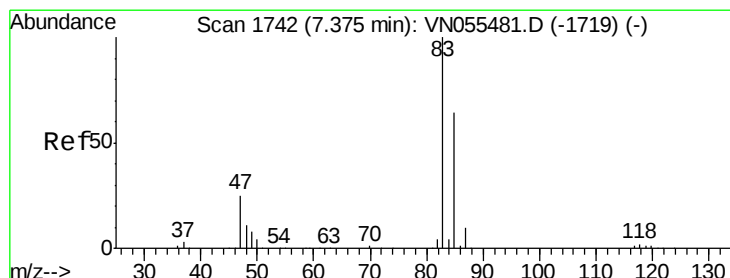
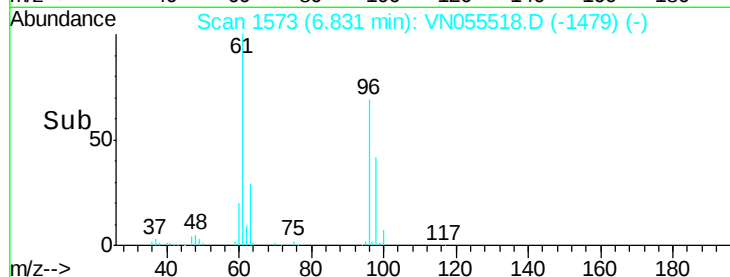
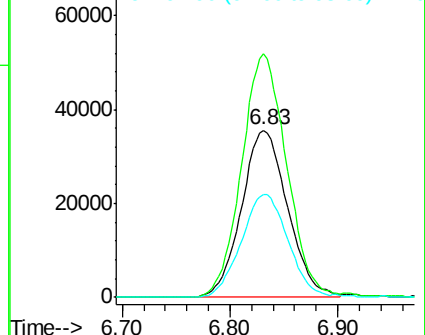
96 100

61 142.1 0.0 310.8

98 62.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#30

Chloroform

Concen: 0.330 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN055518.D

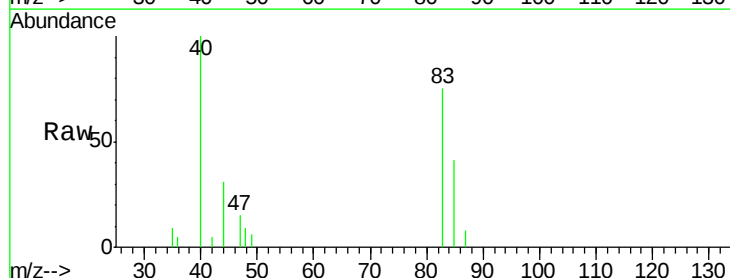
Acq: 10 May 2019 00:49

Tgt Ion: 83 Resp: 6746

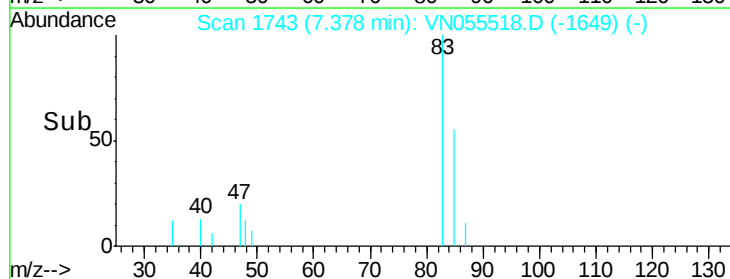
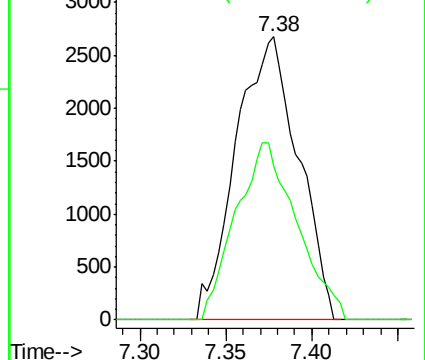
Ion Ratio Lower Upper

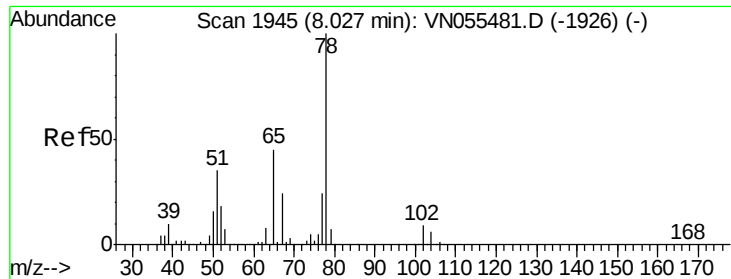
83 100

85 54.6 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO

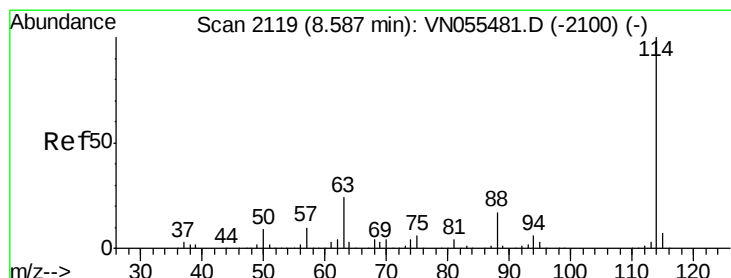
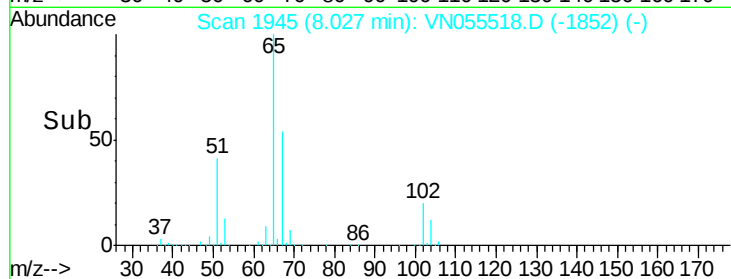
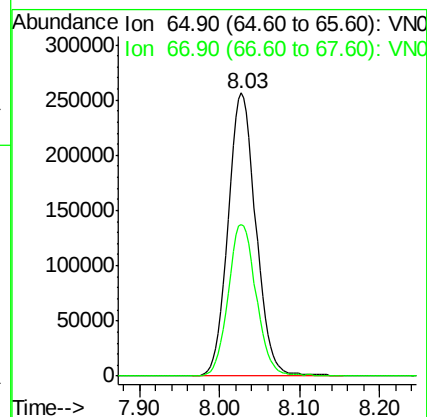
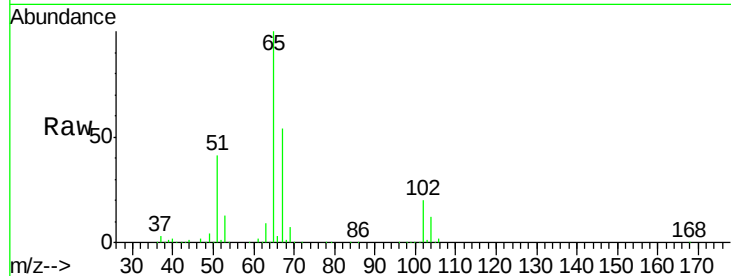




#33
 1,2-Dichloroethane-d4
 Concen: 45.075 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

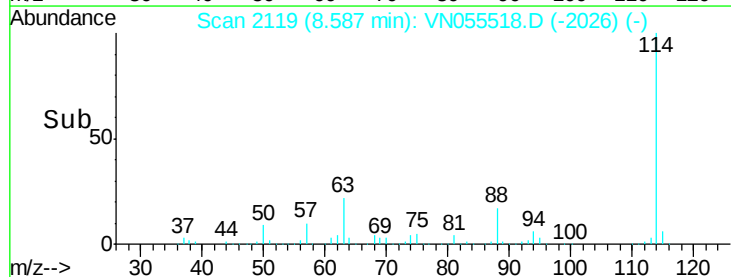
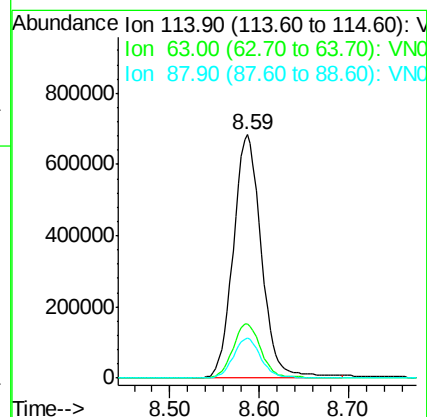
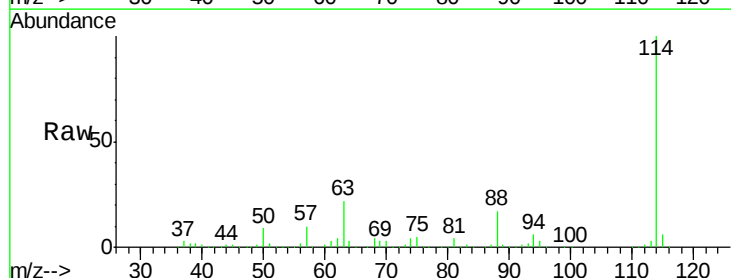
Instrument :
 MSVOA_N
 ClientSampleId :
 CKMW-23

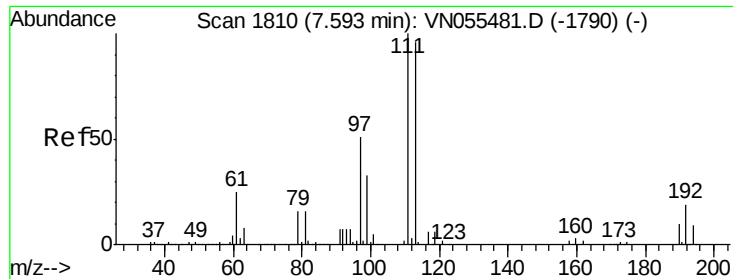
Tot Ion: 65 Resp: 610718
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055518.D
 Acq: 10 May 2019 00:49

Tgt Ion: 114 Resp: 1494993
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 16.5 0.0 34.0

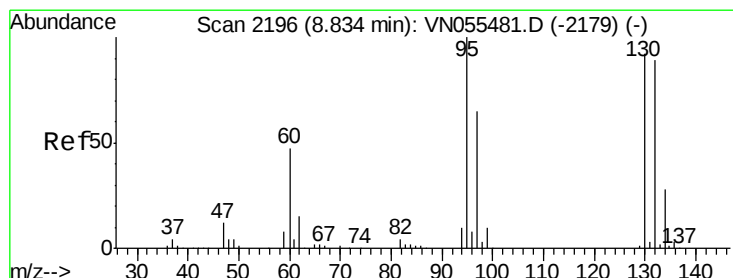
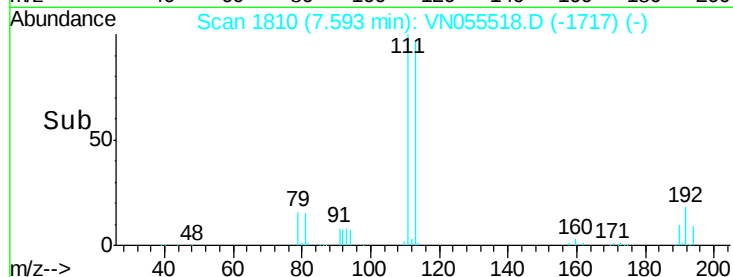
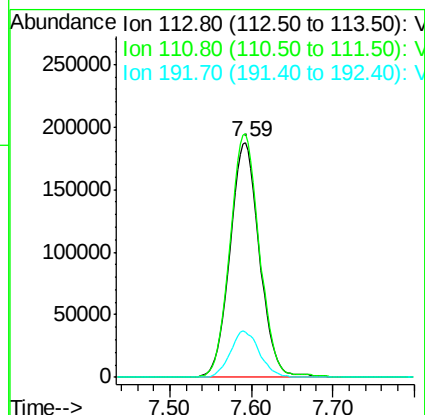
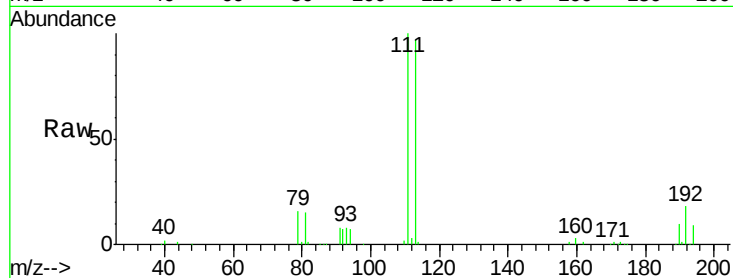




#35
Dibromofluoromethane
Concen: 49.359 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

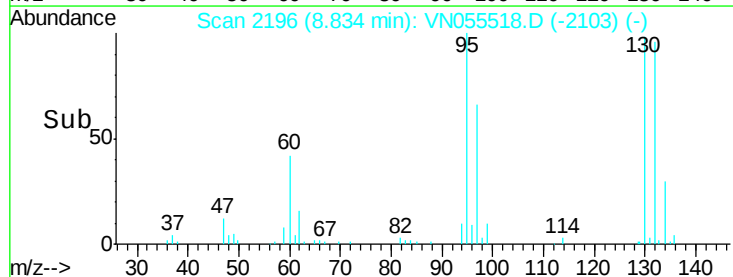
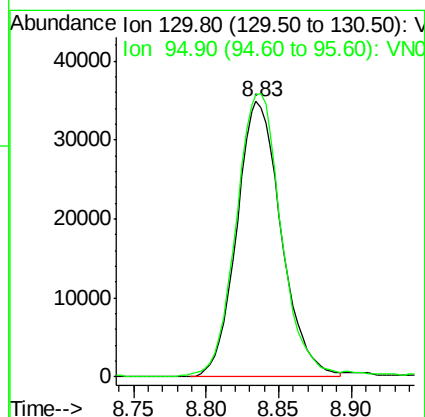
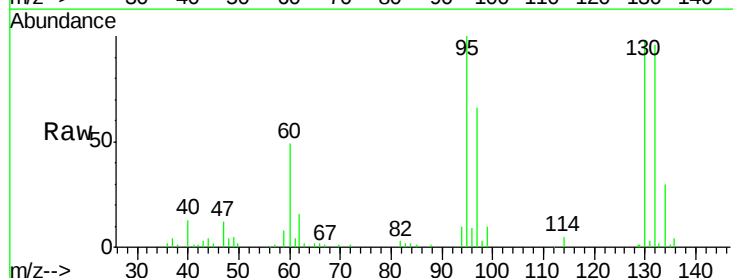
Instrument :
MSVOA_N
ClientSampleId :
CKMW-23

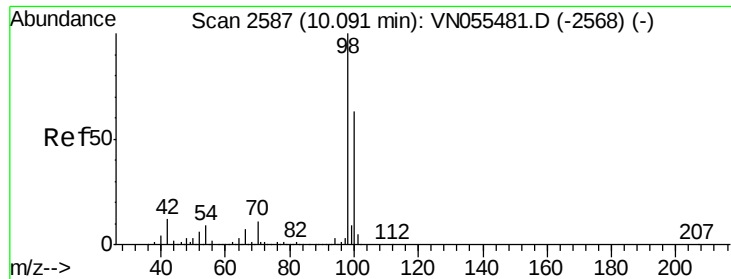
Tot Ion:113 Resp: 476013
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 19.5 15.6 23.4



#44
Trichloroethene
Concen: 6.846 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Tgt Ion:130 Resp: 74464
Ion Ratio Lower Upper
130 100
95 101.5 0.0 216.8





#50

Toluene-d8

Concen: 49.146 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampled :

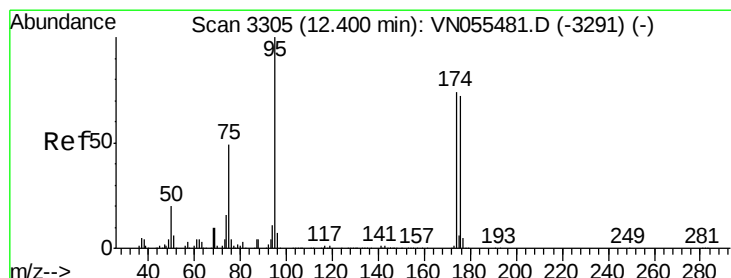
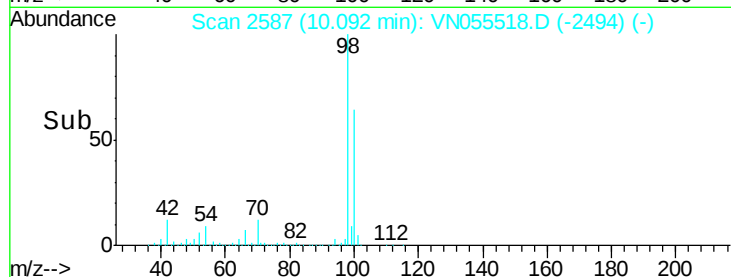
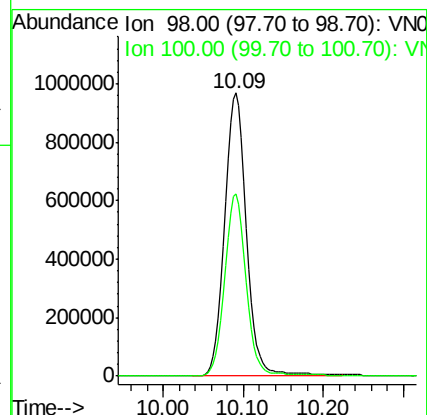
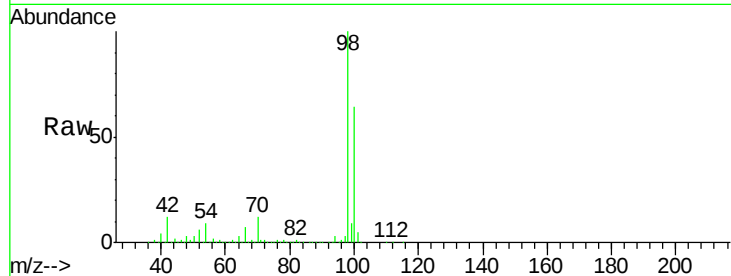
CKMW-23

Tot Ion: 98 Resp: 1846957

Ion Ratio Lower Upper

98 100

100 63.3 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 41.737 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

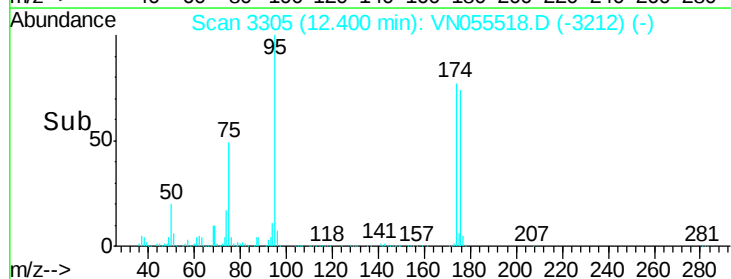
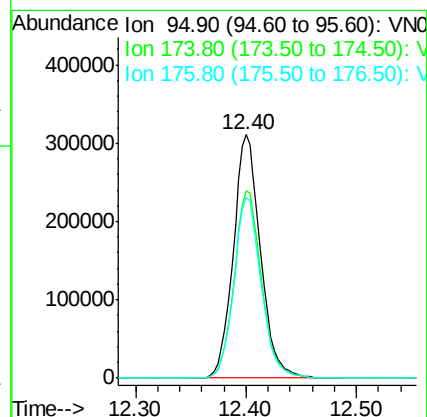
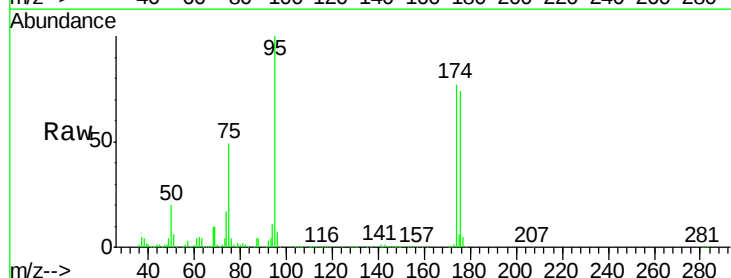
Tgt Ion: 95 Resp: 528883

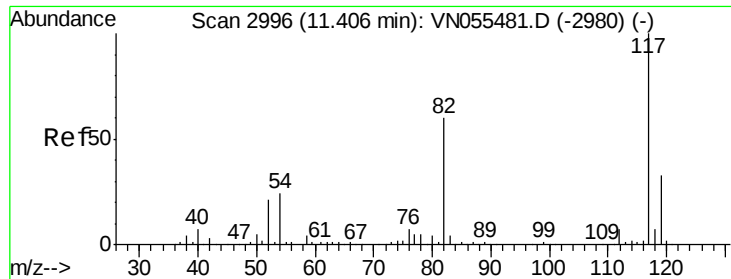
Ion Ratio Lower Upper

95 100

174 77.8 0.0 152.2

176 74.3 0.0 147.8

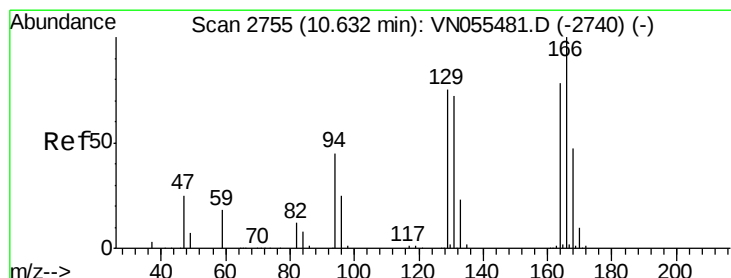
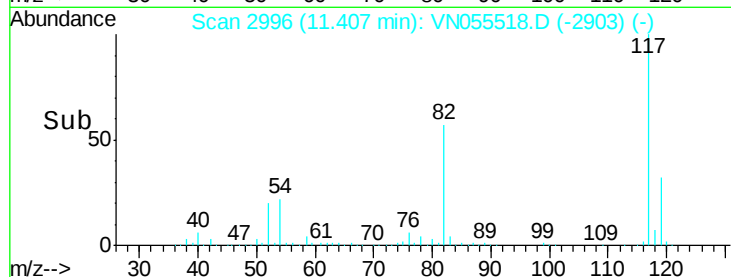
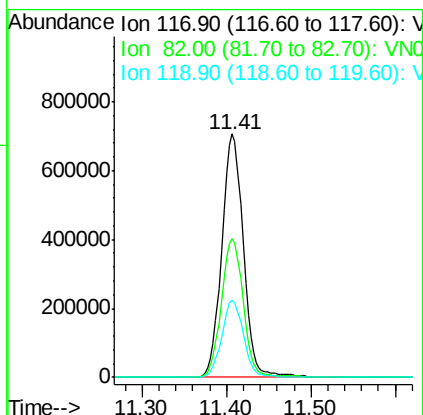
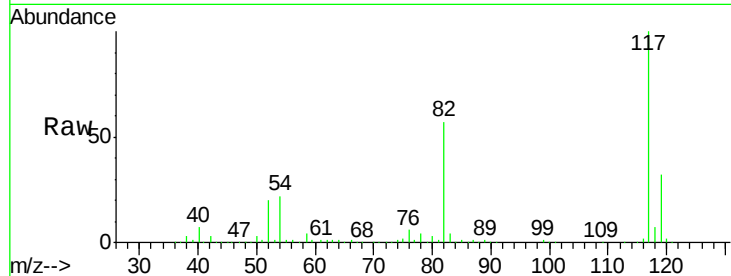




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

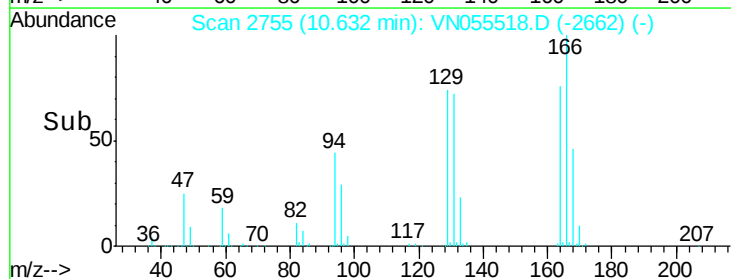
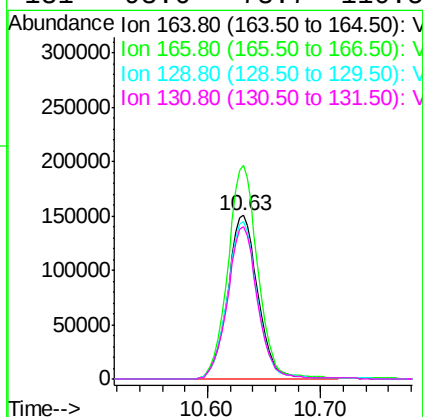
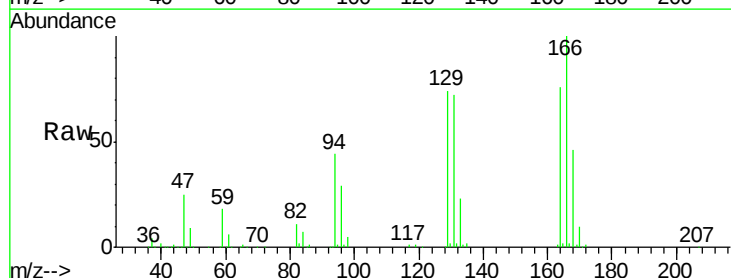
Instrument :
MSVOA_N
ClientSampled :
CKMW-23

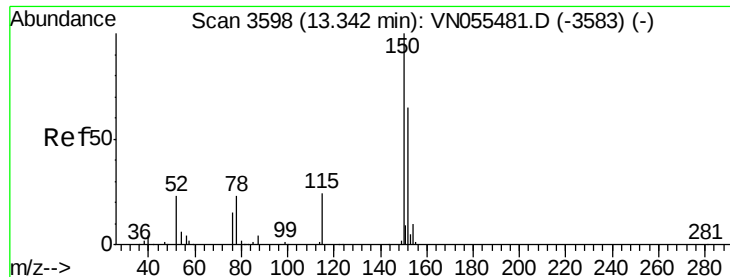
Tot Ion:117 Resp: 1259551
Ion Ratio Lower Upper
117 100
82 57.1 48.0 72.0
119 32.0 26.0 39.0



#64
Tetrachloroethene
Concen: 27.118 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Tgt Ion:164 Resp: 279884
Ion Ratio Lower Upper
164 100
166 130.8 102.6 153.8
129 96.1 77.0 115.6
131 93.6 73.7 110.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

Instrument :

MSVOA_N

ClientSampleId :

CKMW-23

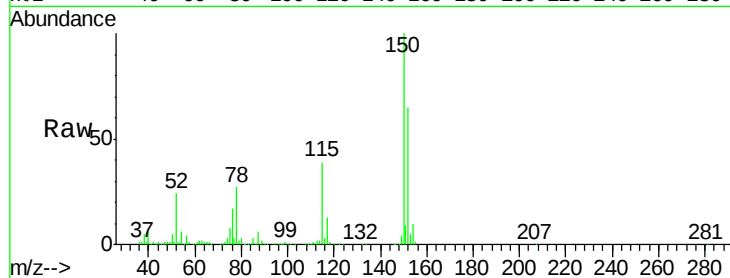
Tot Ion:152 Resp: 344992

Ion Ratio Lower Upper

152 100

115 58.8 30.1 90.5

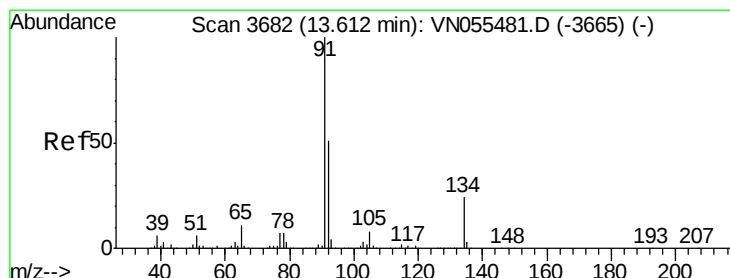
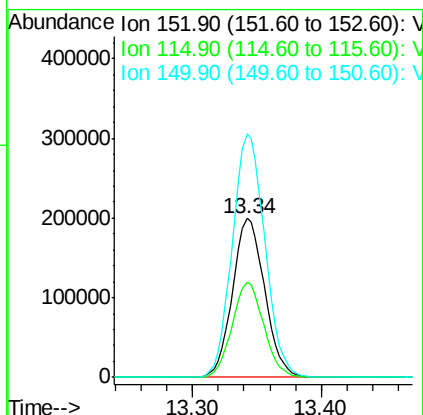
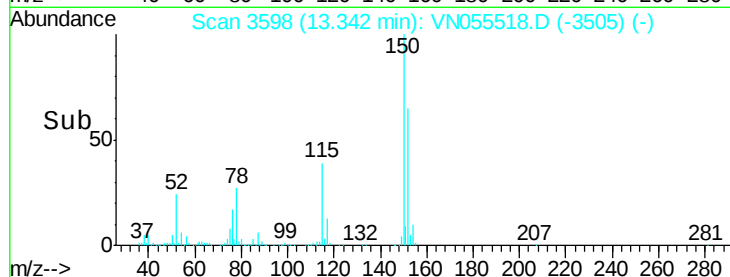
150 155.2 0.0 355.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#89

n-Butylbenzene

Concen: 0.330 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055518.D

Acq: 10 May 2019 00:49

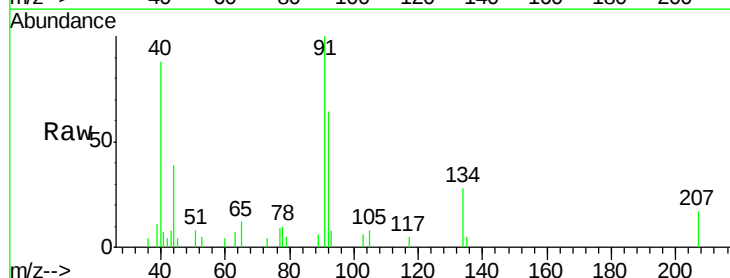
Tgt Ion: 91 Resp: 6549

Ion Ratio Lower Upper

91 100

92 63.5 25.9 77.7

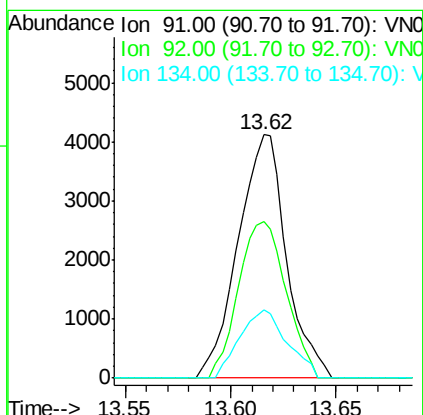
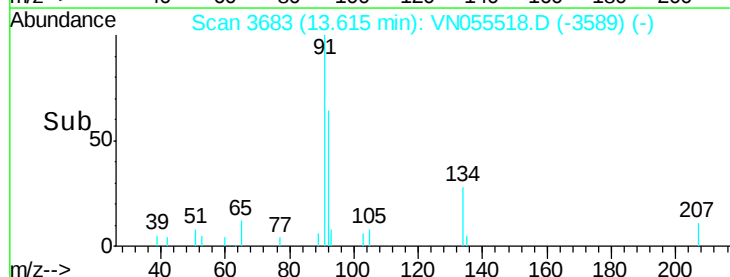
134 27.4 11.8 35.4

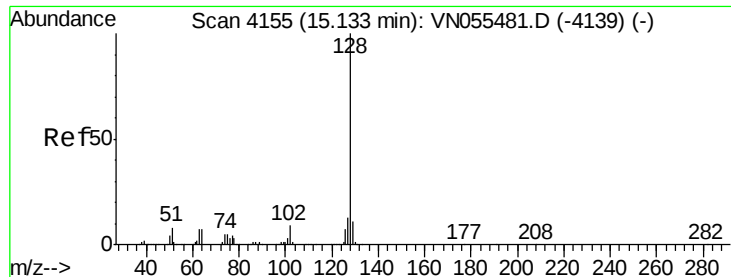


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 3.798 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN055518.D
Acq: 10 May 2019 00:49

Instrument :
MSVOA_N
ClientSampleId :
CKMW-23

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.0	15.0
129	12.1	8.8	13.2

