

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058523.D
 Acq On : 3 Oct 2019 20:08
 Operator : JC/SP
 Sample : K5176-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30464-67

Quant Time: Oct 04 05:10:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	369991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	604107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	528769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228469	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	262433	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
35) Dibromofluoromethane	7.57	113	185100	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.08	98	751340	51.80	ug/l	0.00
Spiked Amount			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.41	95	263267	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	

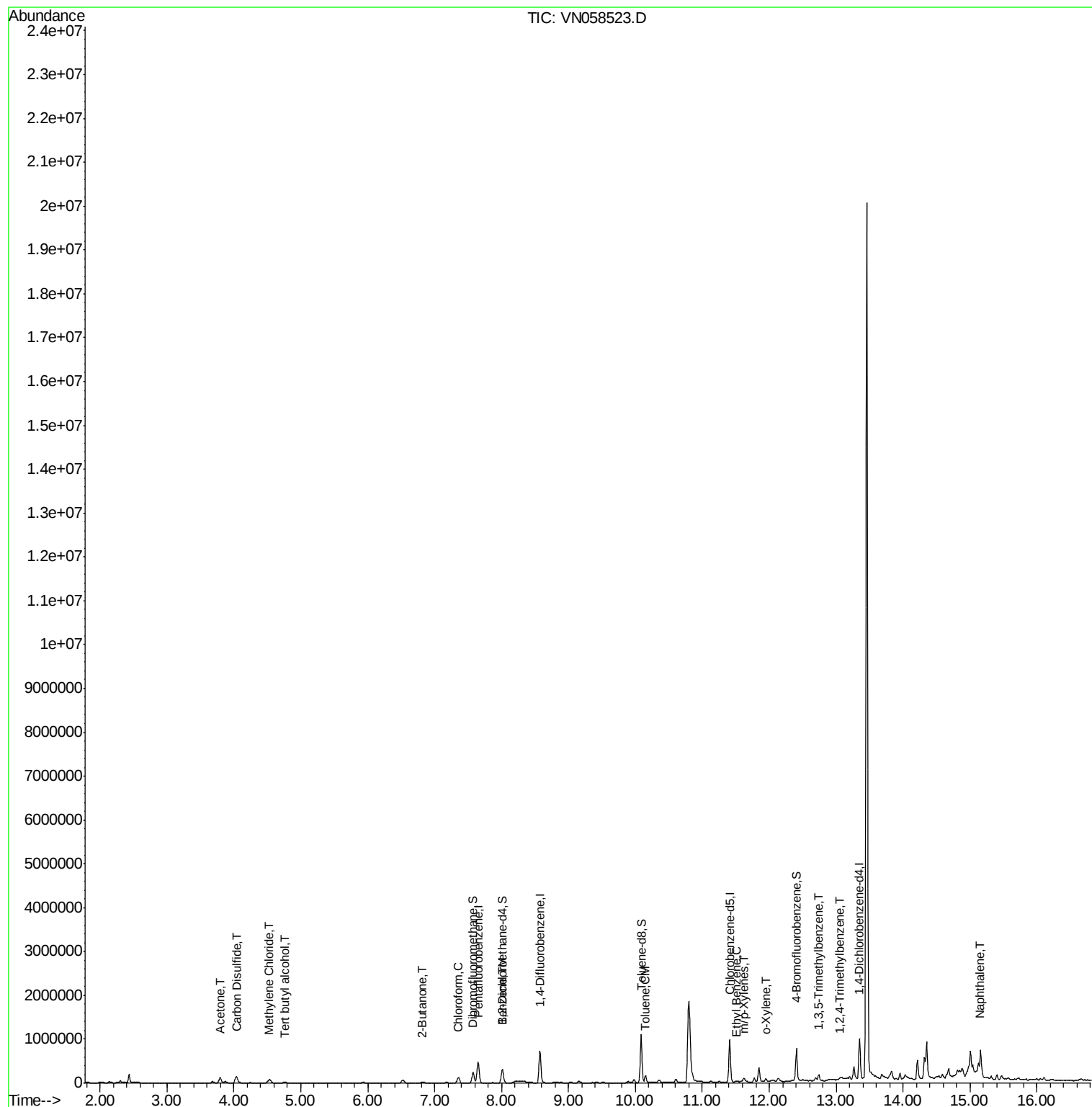
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	25685	42.762	ug/l	98
16) Acetone	3.80	43	209742	113.796	ug/l	99
17) Carbon Disulfide	4.04	76	31737	3.449	ug/l	97
20) Methylene Chloride	4.53	84	55374	13.019	ug/l	98
25) 2-Butanone	6.82	43	42181	16.669	ug/l	94
30) Chloroform	7.36	83	135014	17.320	ug/l	100
40) Benzene	8.02	78	4777	0.288	ug/l	91
52) Toluene	10.15	92	69213	6.623	ug/l	99
67) Ethyl Benzene	11.51	91	6509	0.342	ug/l	95
68) m/p-Xylenes	11.62	106	23114	3.227	ug/l	99
69) o-Xylene	11.95	106	6403	0.929	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	5324	0.377	ug/l	86
84) 1,2,4-Trimethylbenzene	13.05	105	25852	1.826	ug/l	81
95) Naphthalene	15.14	128	21005	1.854	ug/l	98

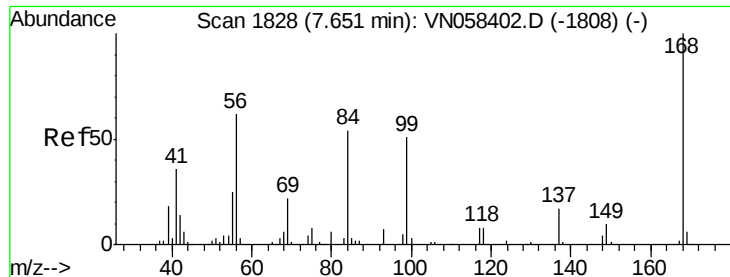
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

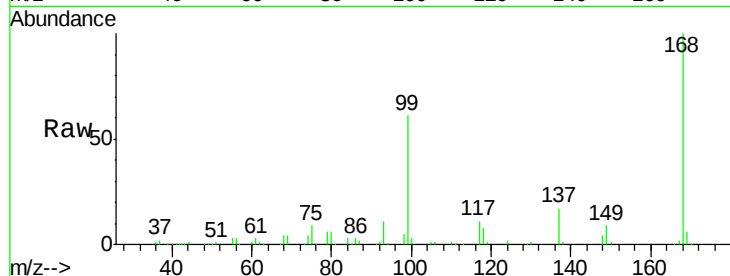
30464-67

Tot Ion:168 Resp: 369991

Ion Ratio Lower Upper

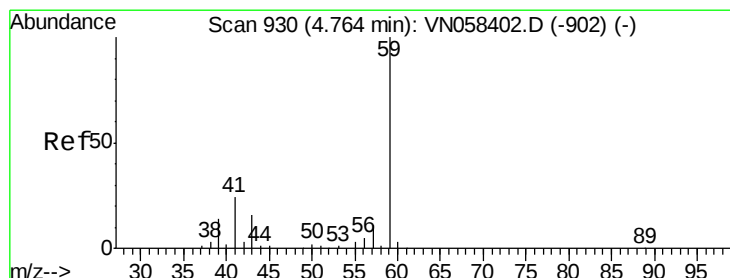
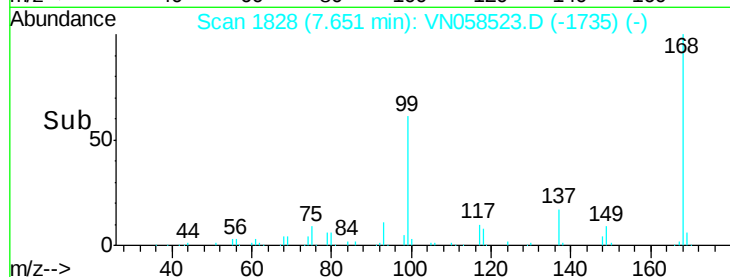
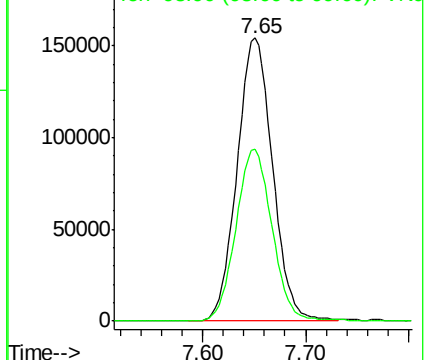
168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 42.762 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN058523.D

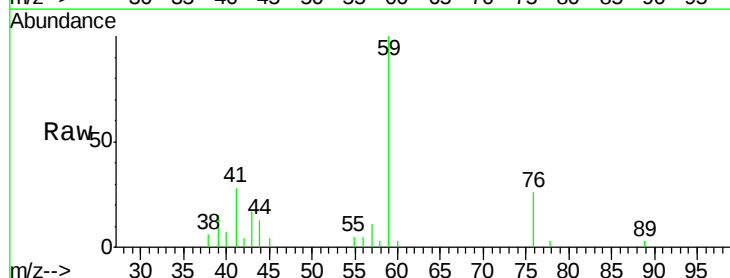
Acq: 3 Oct 2019 20:08

Tgt Ion: 59 Resp: 25685

Ion Ratio Lower Upper

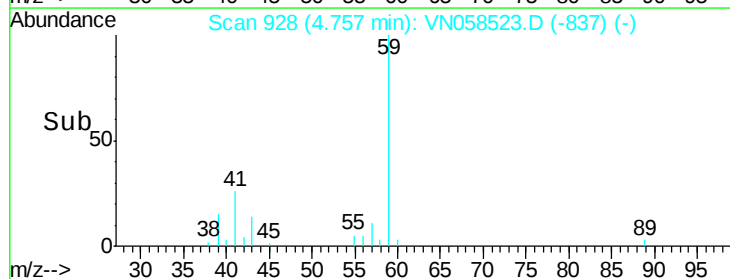
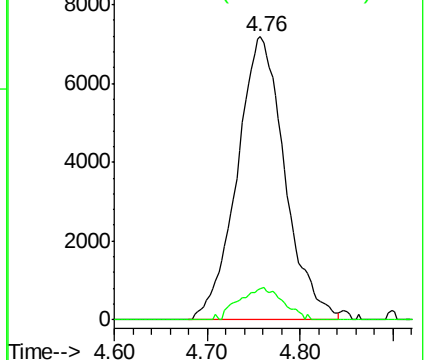
59 100

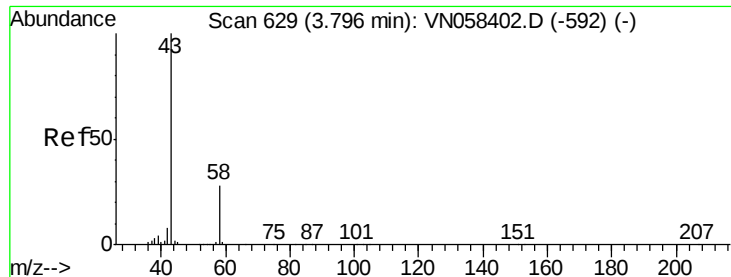
57 10.5 9.0 13.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 113.796 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

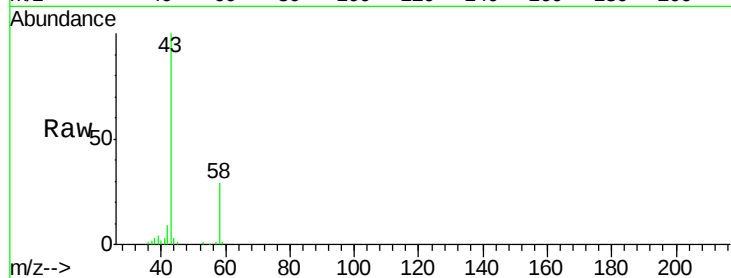
30464-67

Tot Ion: 43 Resp: 209742

Ion Ratio Lower Upper

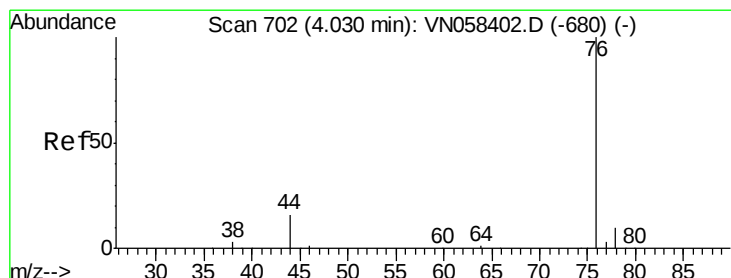
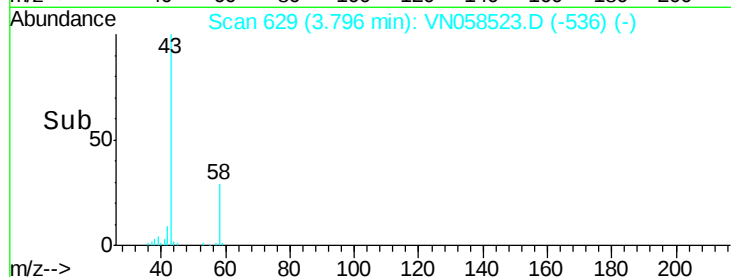
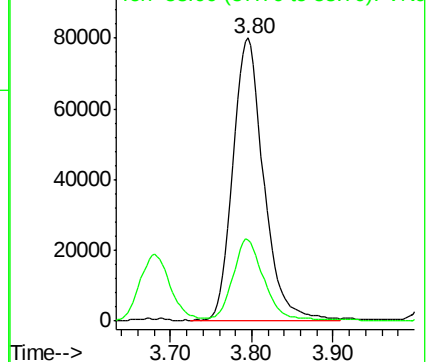
43 100

58 28.4 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 3.449 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058523.D

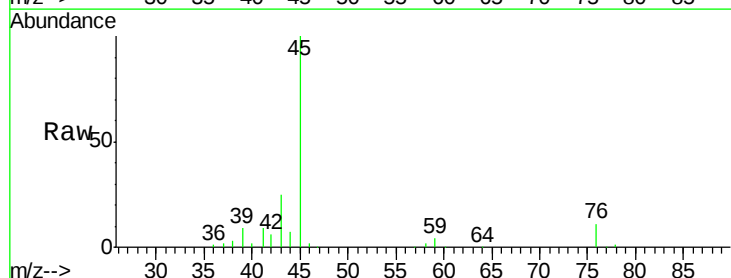
Acq: 3 Oct 2019 20:08

Tgt Ion: 76 Resp: 31737

Ion Ratio Lower Upper

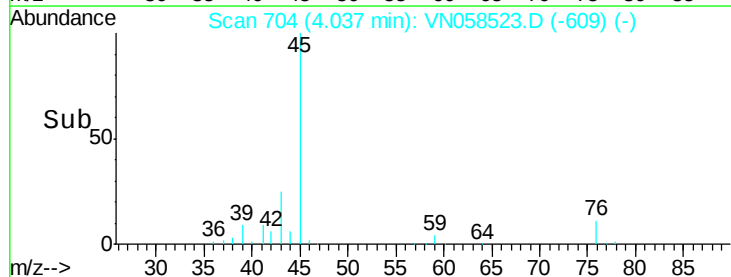
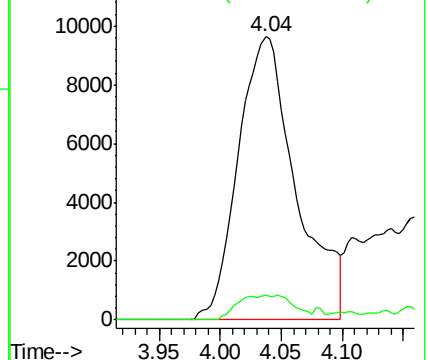
76 100

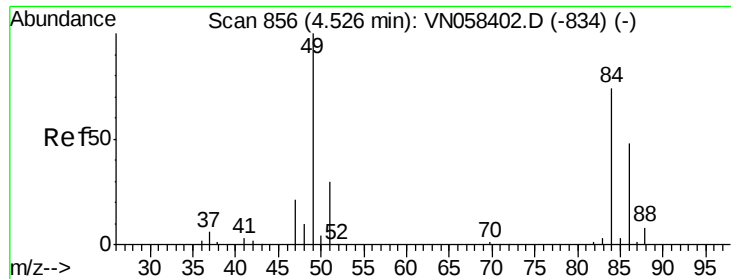
78 8.6 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

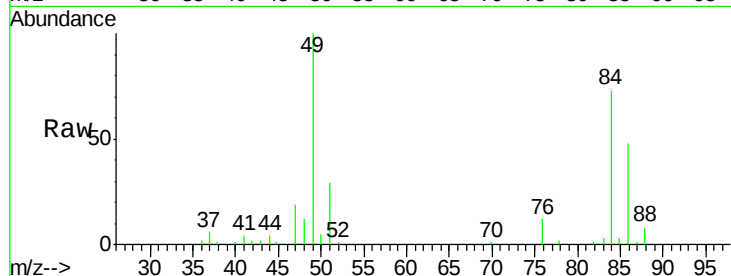




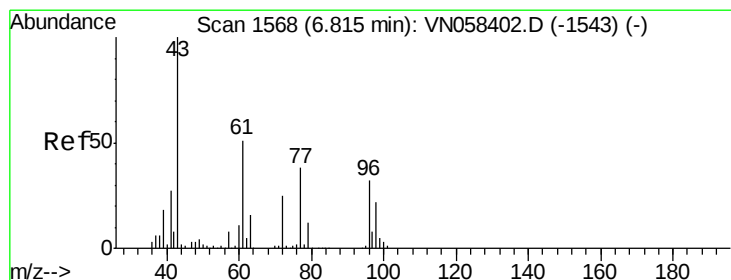
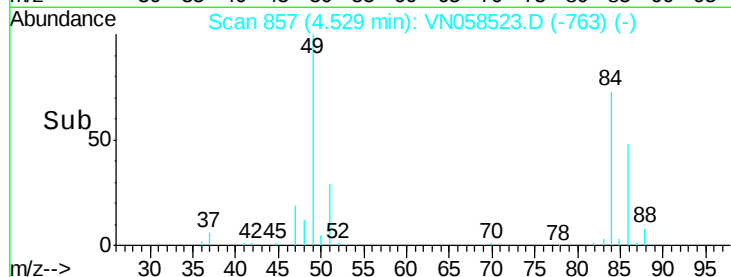
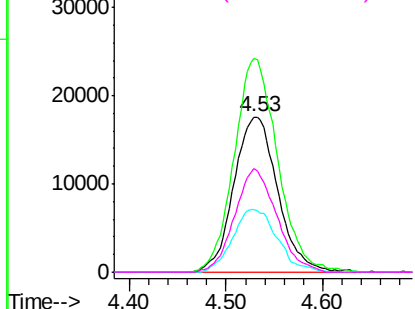
#20
Methvlene Chloride
Concen: 13.019 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Instrument :
MSVOA_N
ClientSampleId :
30464-67

Tot Ion: 84 Resp: 55374
Ion Ratio Lower Upper
84 100
49 137.8 107.9 161.9
51 40.6 32.8 49.2
86 66.6 51.5 77.3

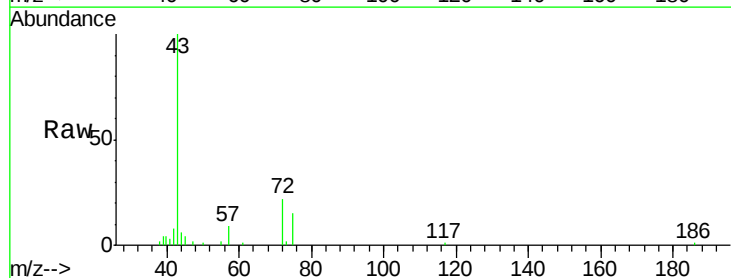


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

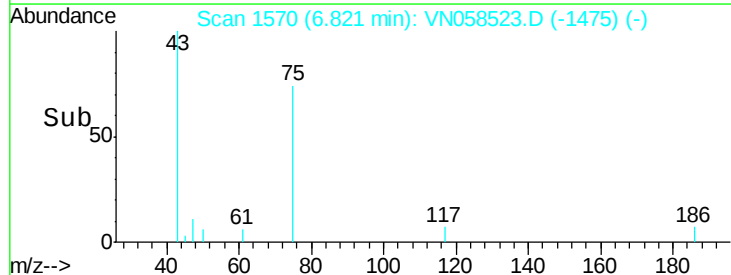
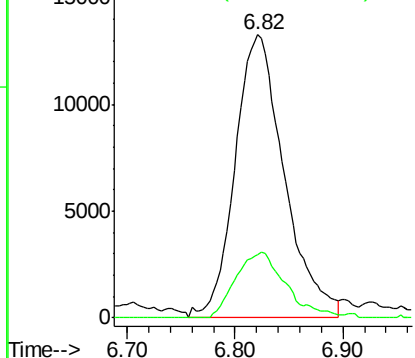


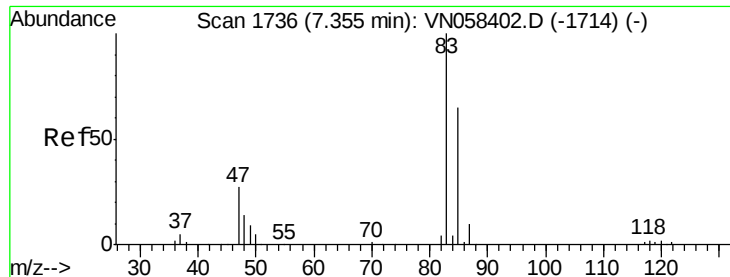
#25
2-Butanone
Concen: 16.669 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 43 Resp: 42181
Ion Ratio Lower Upper
43 100
72 22.4 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

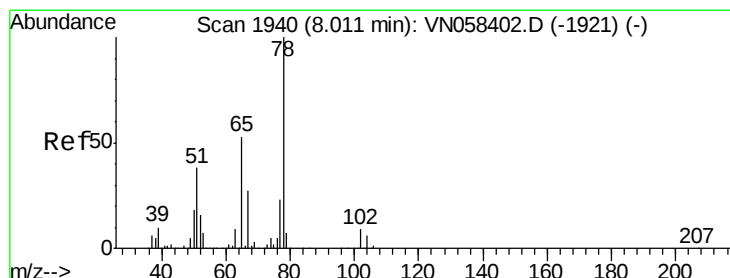
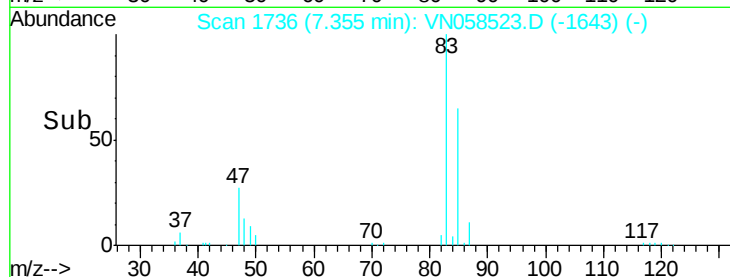
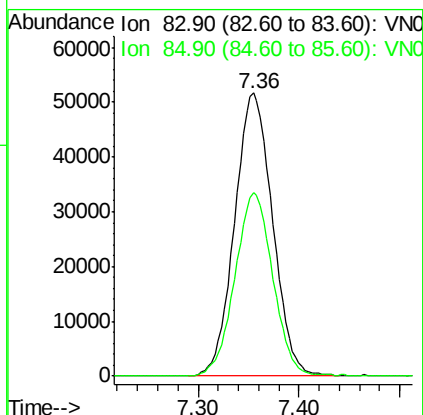
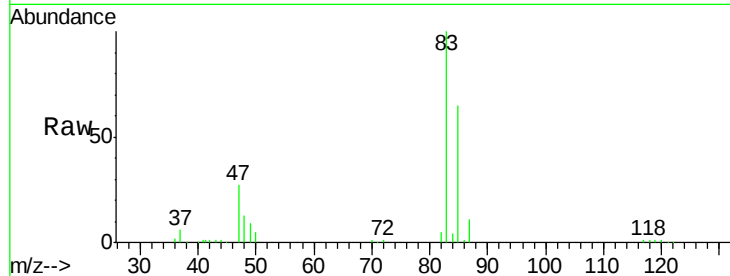




#30
Chloroform
Concen: 17.320 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

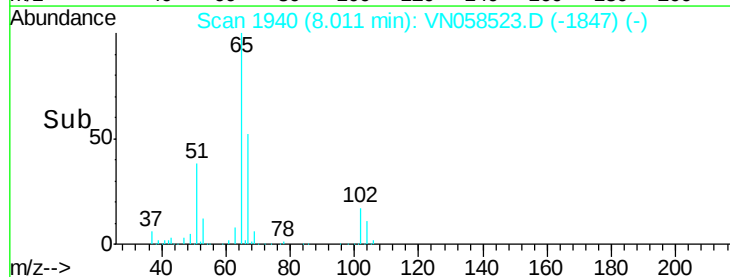
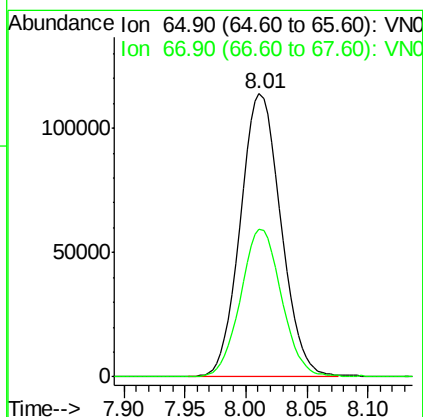
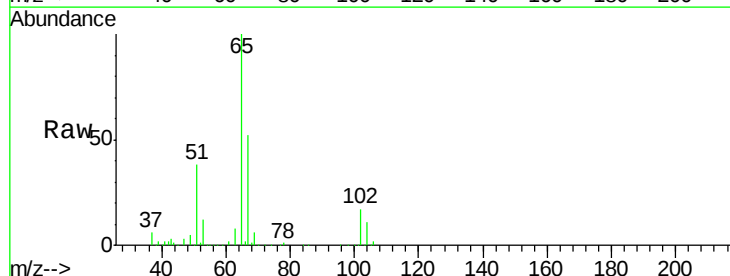
Instrument :
MSVOA_N
ClientSampled :
30464-67

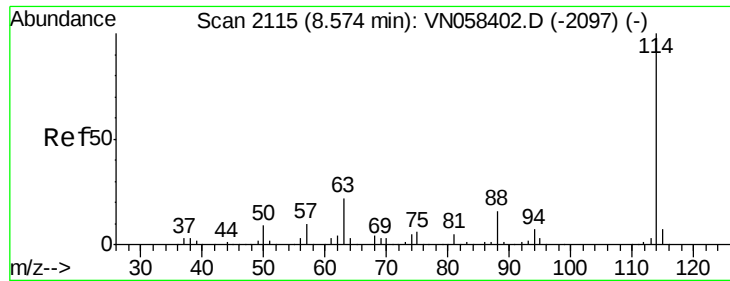
Tot Ion: 83 Resp: 135014
Ion Ratio Lower Upper
83 100
85 64.8 52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 48.537 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 65 Resp: 262433
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.4

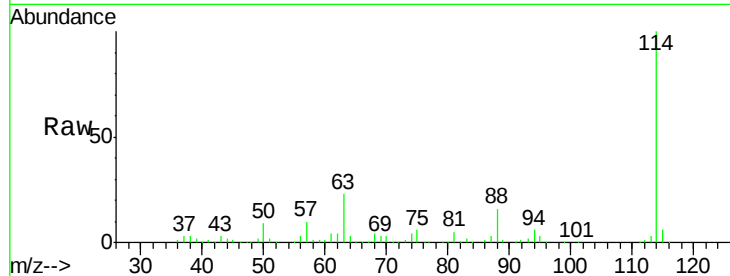




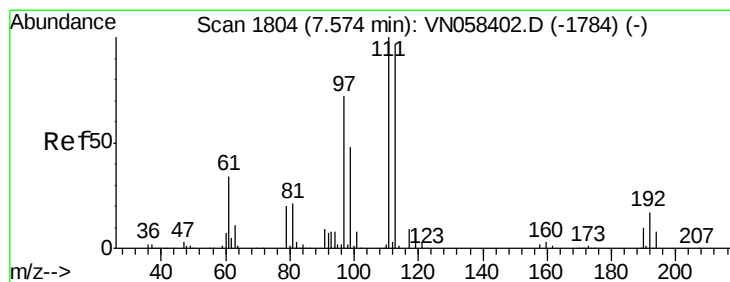
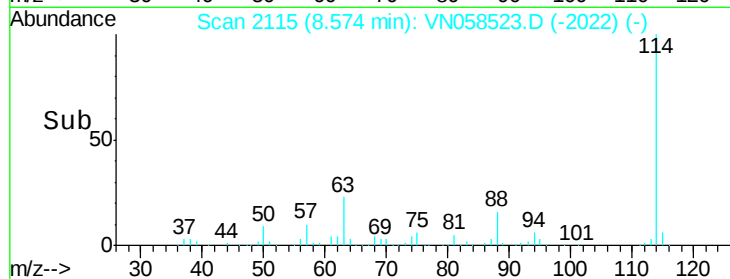
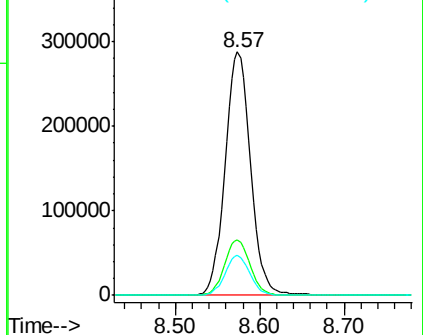
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Instrument :
 MSVOA_N
 ClientSampleId :
 30464-67

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.0
88	16.3	0.0	32.2

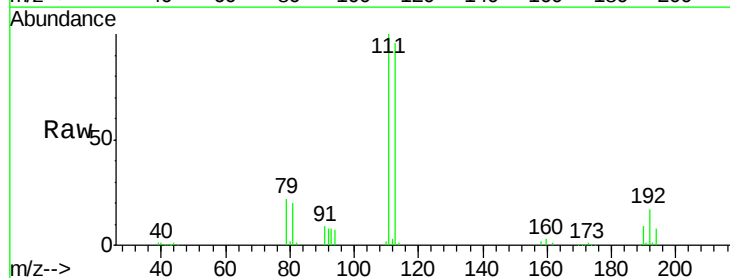


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

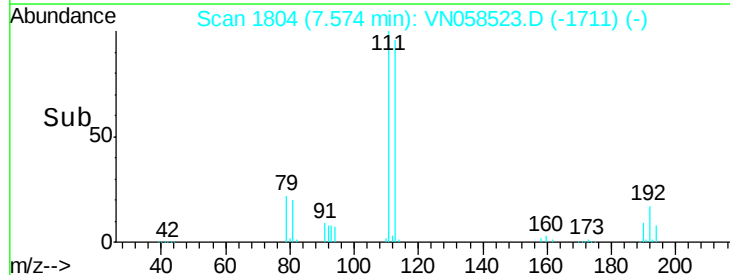
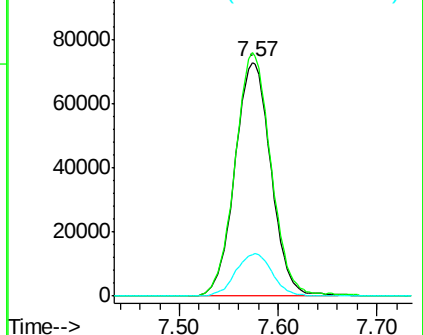


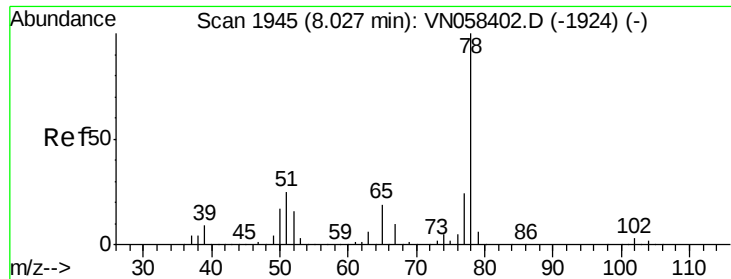
#35
 Dibromofluoromethane
 Concen: 49.993 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058523.D
 Acq: 3 Oct 2019 20:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.4	125.2
192	18.4	14.9	22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.288 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

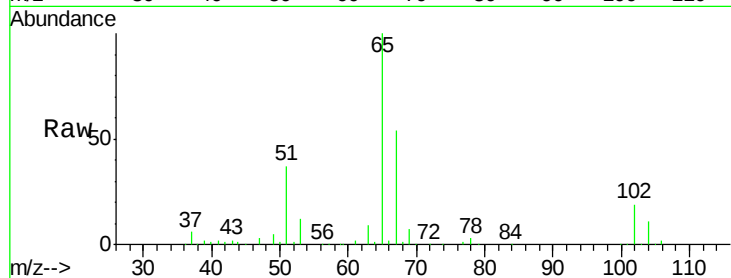
30464-67

Tot Ion: 78 Resp: 4777

Ion Ratio Lower Upper

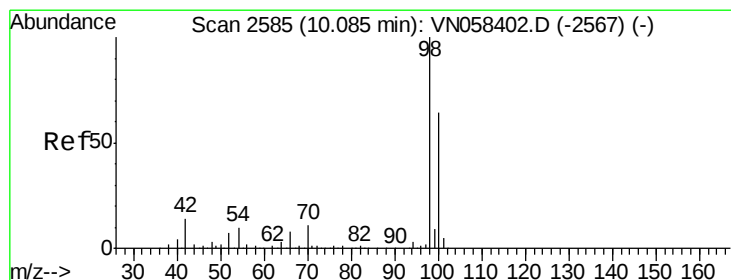
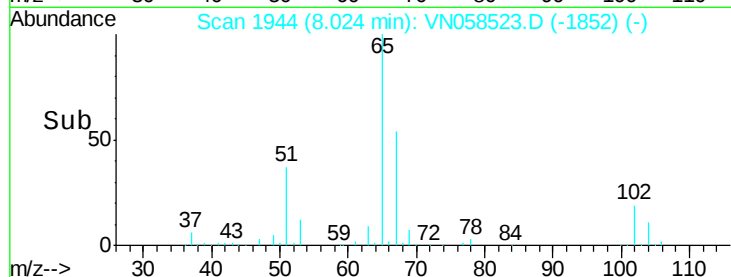
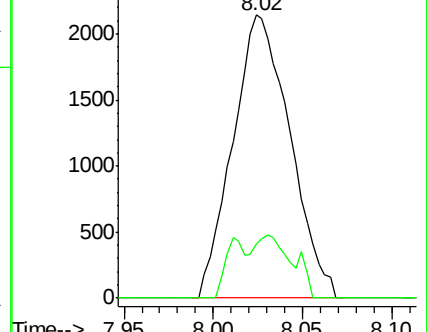
78 100

77 19.3 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 51.801 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058523.D

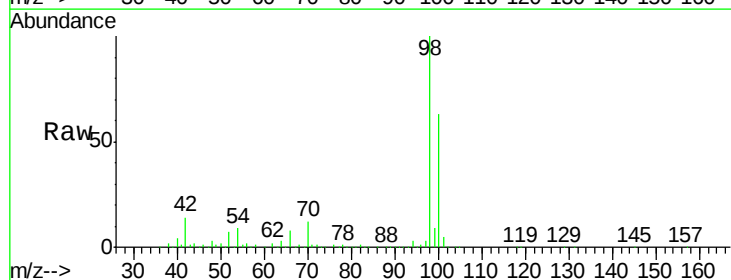
Acq: 3 Oct 2019 20:08

Tgt Ion: 98 Resp: 751340

Ion Ratio Lower Upper

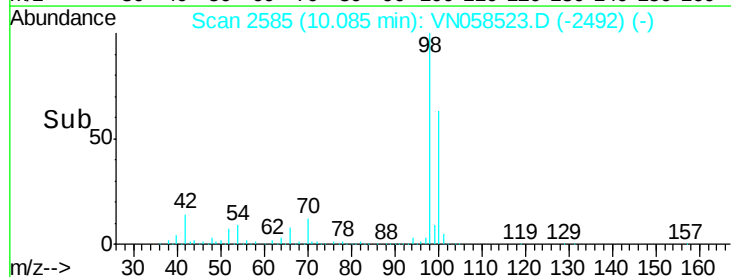
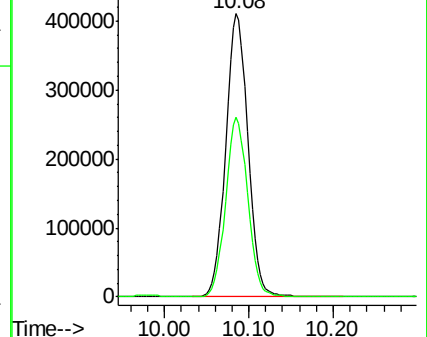
98 100

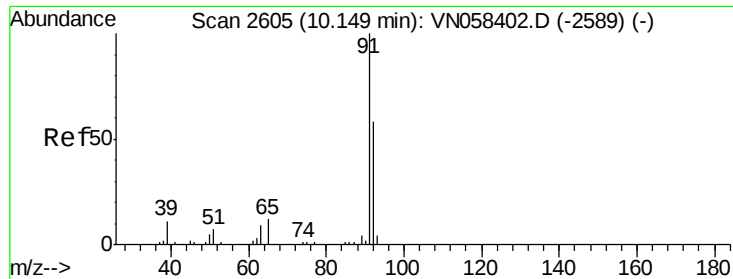
100 63.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 6.623 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

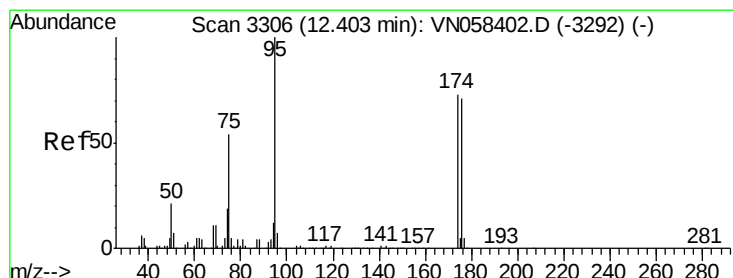
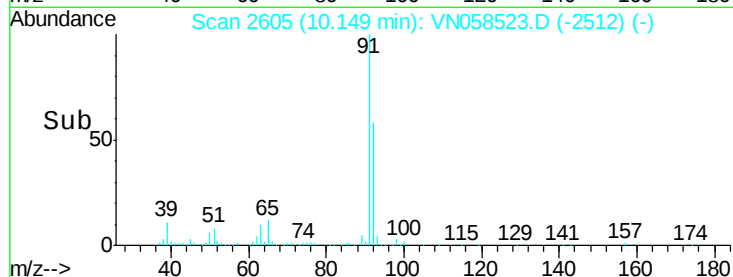
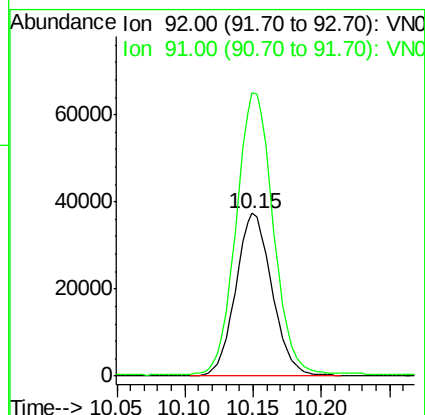
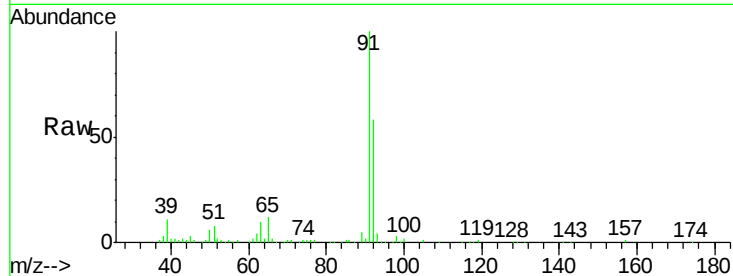
30464-67

Tot Ion: 92 Resp: 69213

Ion Ratio Lower Upper

92 100

91 176.6 140.2 210.4



#62

4-Bromofluorobenzene

Concen: 50.199 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

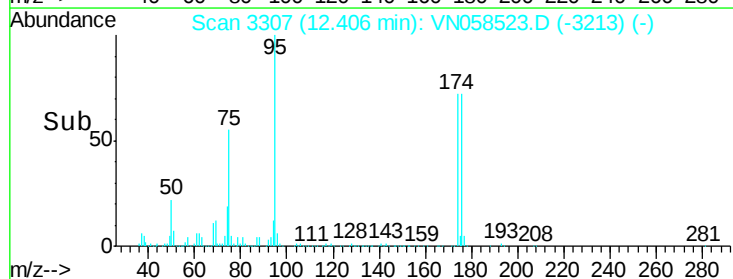
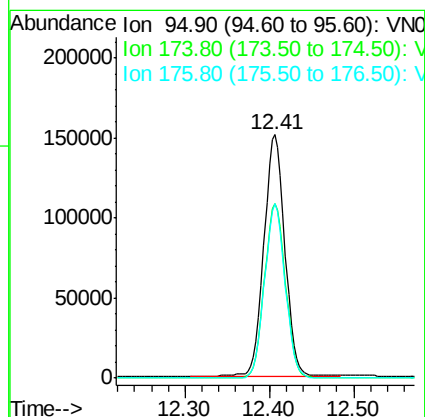
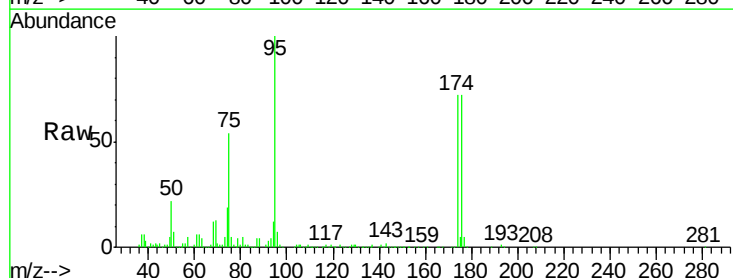
Tgt Ion: 95 Resp: 263267

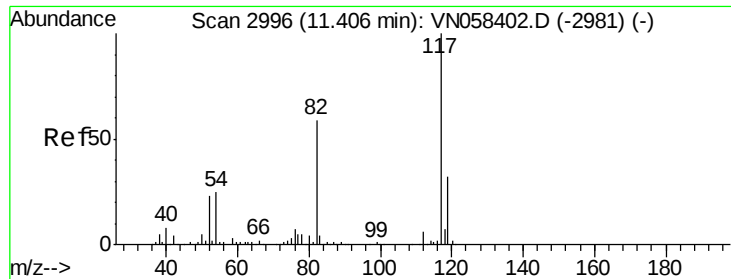
Ion Ratio Lower Upper

95 100

174 71.6 0.0 150.6

176 70.0 0.0 146.2

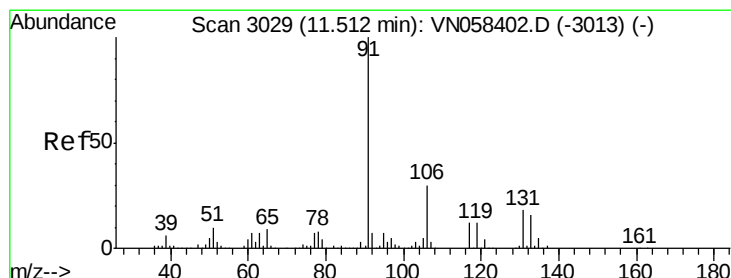
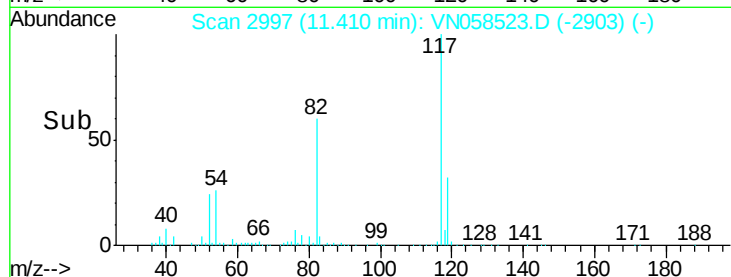
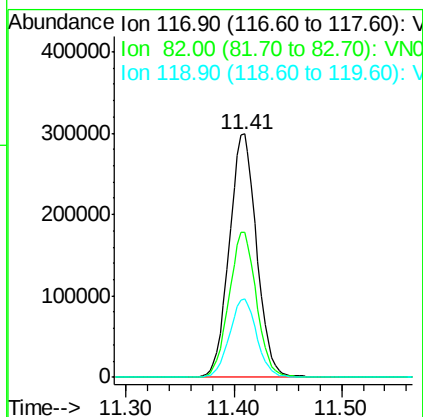
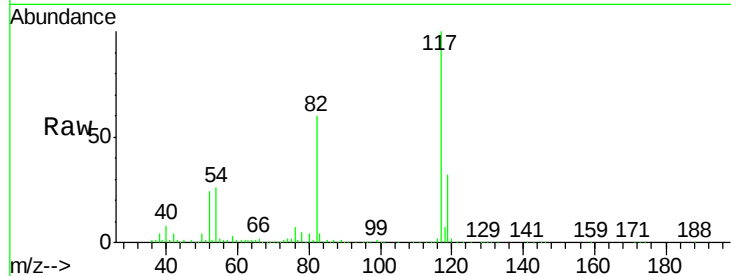




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

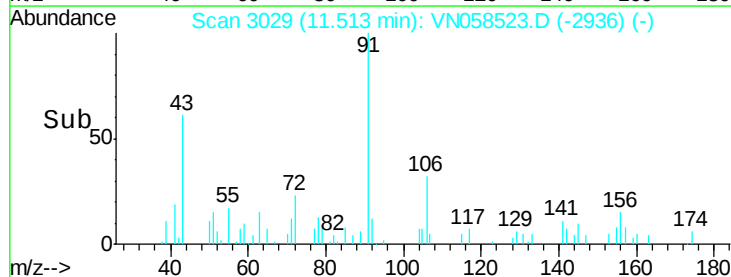
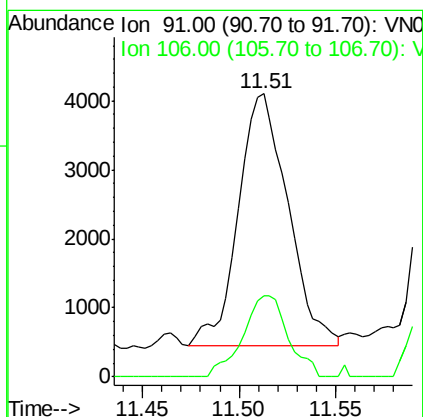
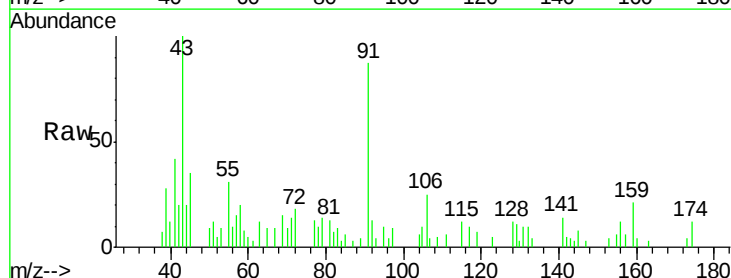
Instrument :
MSVOA_N
ClientSampleId :
30464-67

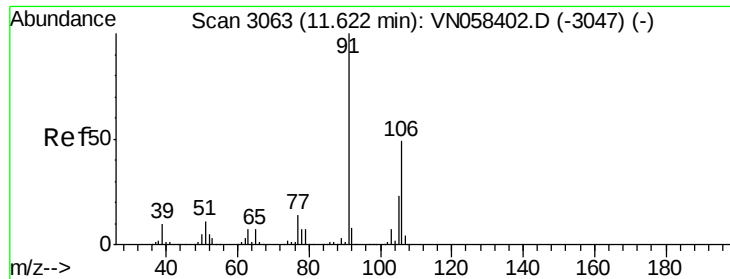
Tot Ion:117 Resp: 528769
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.0
119 32.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.342 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058523.D
Acq: 3 Oct 2019 20:08

Tgt Ion: 91 Resp: 6509
Ion Ratio Lower Upper
91 100
106 33.3 24.3 36.5





#68

m/p-Xylenes

Concen: 3.227 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.01 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

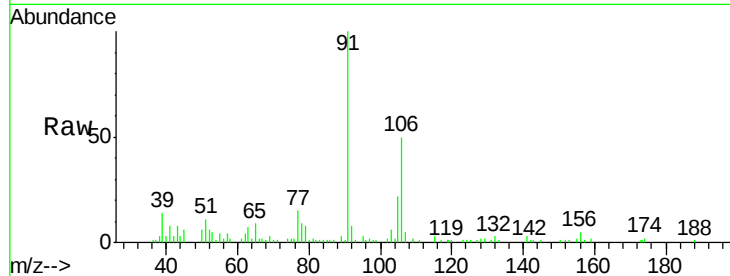
30464-67

Tot Ion:106 Resp: 23114

Ion Ratio Lower Upper

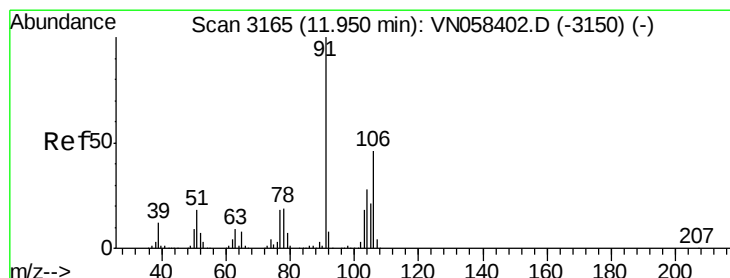
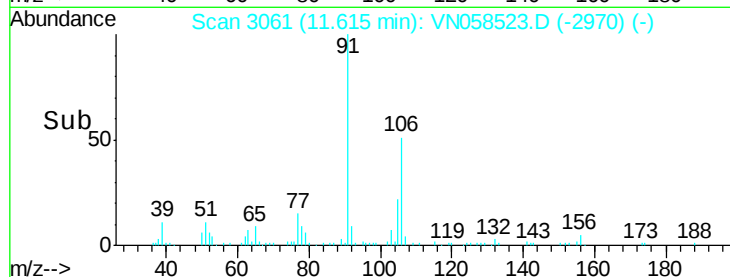
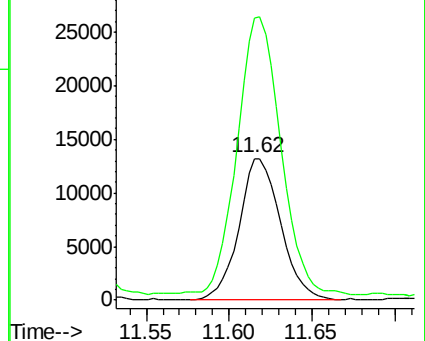
106 100

91 204.2 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.929 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058523.D

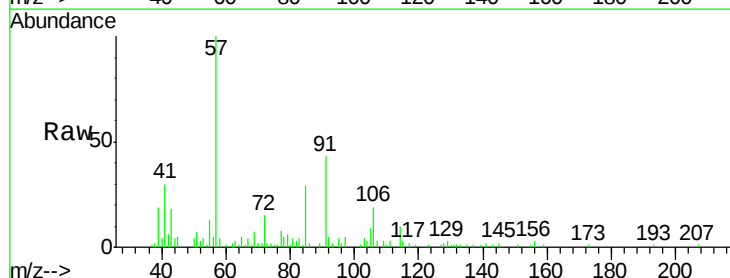
Acq: 3 Oct 2019 20:08

Tgt Ion:106 Resp: 6403

Ion Ratio Lower Upper

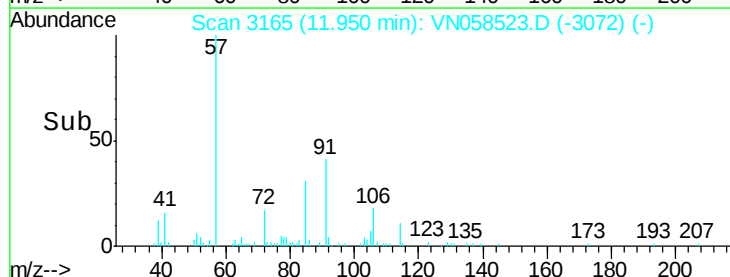
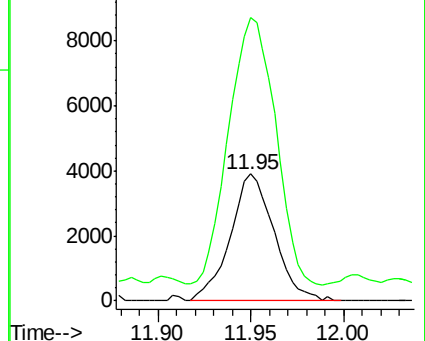
106 100

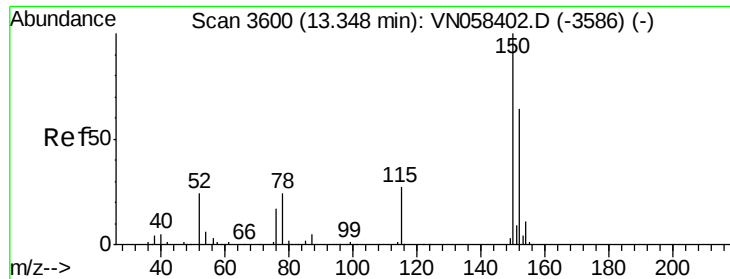
91 225.6 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampleId :

30464-67

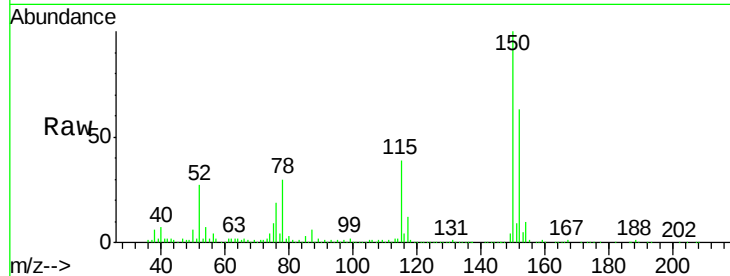
Tot Ion:152 Resp: 228469

Ion Ratio Lower Upper

152 100

115 60.5 30.0 90.0

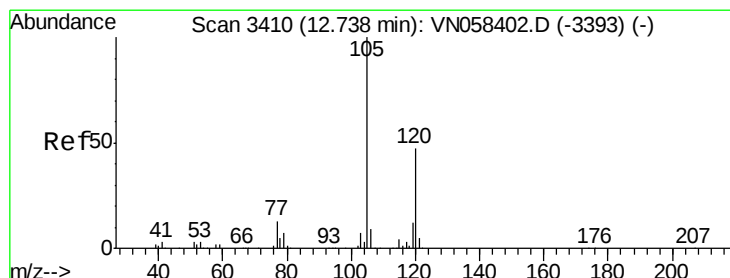
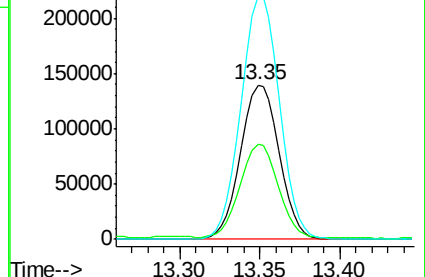
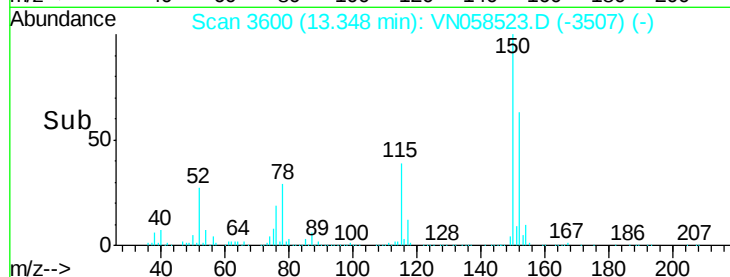
150 158.6 0.0 348.2



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



#80

1,3,5-Trimethylbenzene

Concen: 0.377 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058523.D

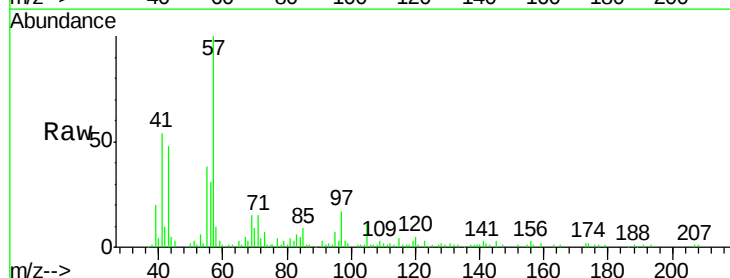
Acq: 3 Oct 2019 20:08

Tgt Ion:105 Resp: 5324

Ion Ratio Lower Upper

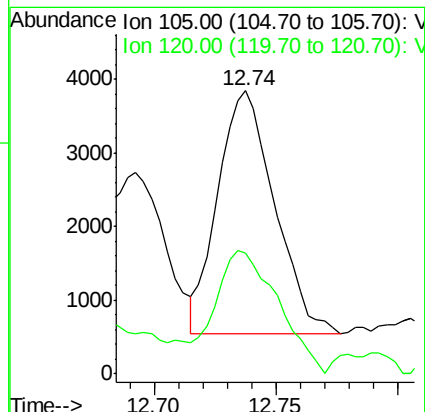
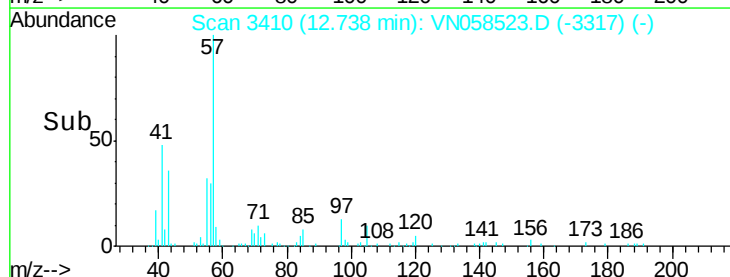
105 100

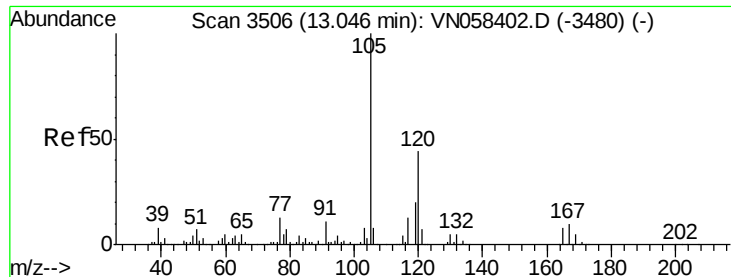
120 56.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.826 ug/l

RT: 13.05 min Scan# 3507

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Instrument :

MSVOA_N

ClientSampled :

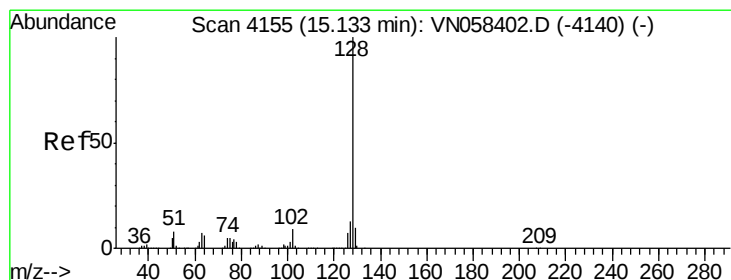
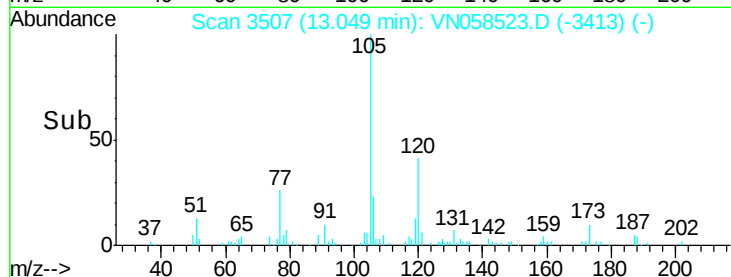
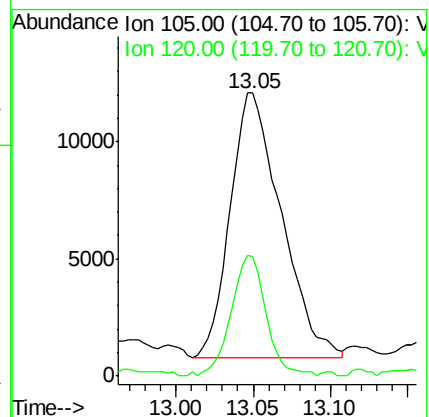
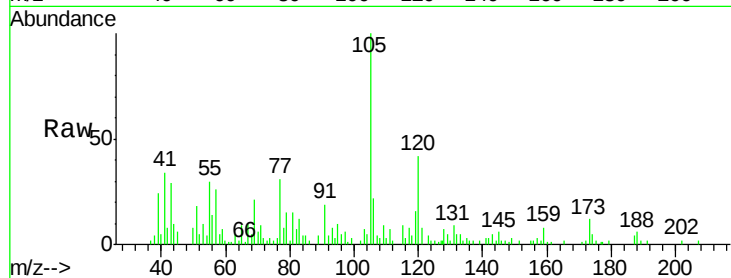
30464-67

Tot Ion:105 Resp: 25852

Ion Ratio Lower Upper

105 100

120 31.2 21.7 65.1



#95

Naphthalene

Concen: 1.854 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058523.D

Acq: 3 Oct 2019 20:08

Tgt Ion:128 Resp: 21005

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.5 8.3 12.5

