

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053716.D
 Acq On : 11 Feb 2019 20:21
 Operator : JC/SP
 Sample : K1448-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30172

Quant Time: Feb 11 23:25:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	725164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1181619	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1060112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	446039	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	377579	51.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.80%	
35) Dibromofluoromethane	7.59	113	363902	48.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.48%	
50) Toluene-d8	10.09	98	1407745	50.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	475018	50.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.60%	

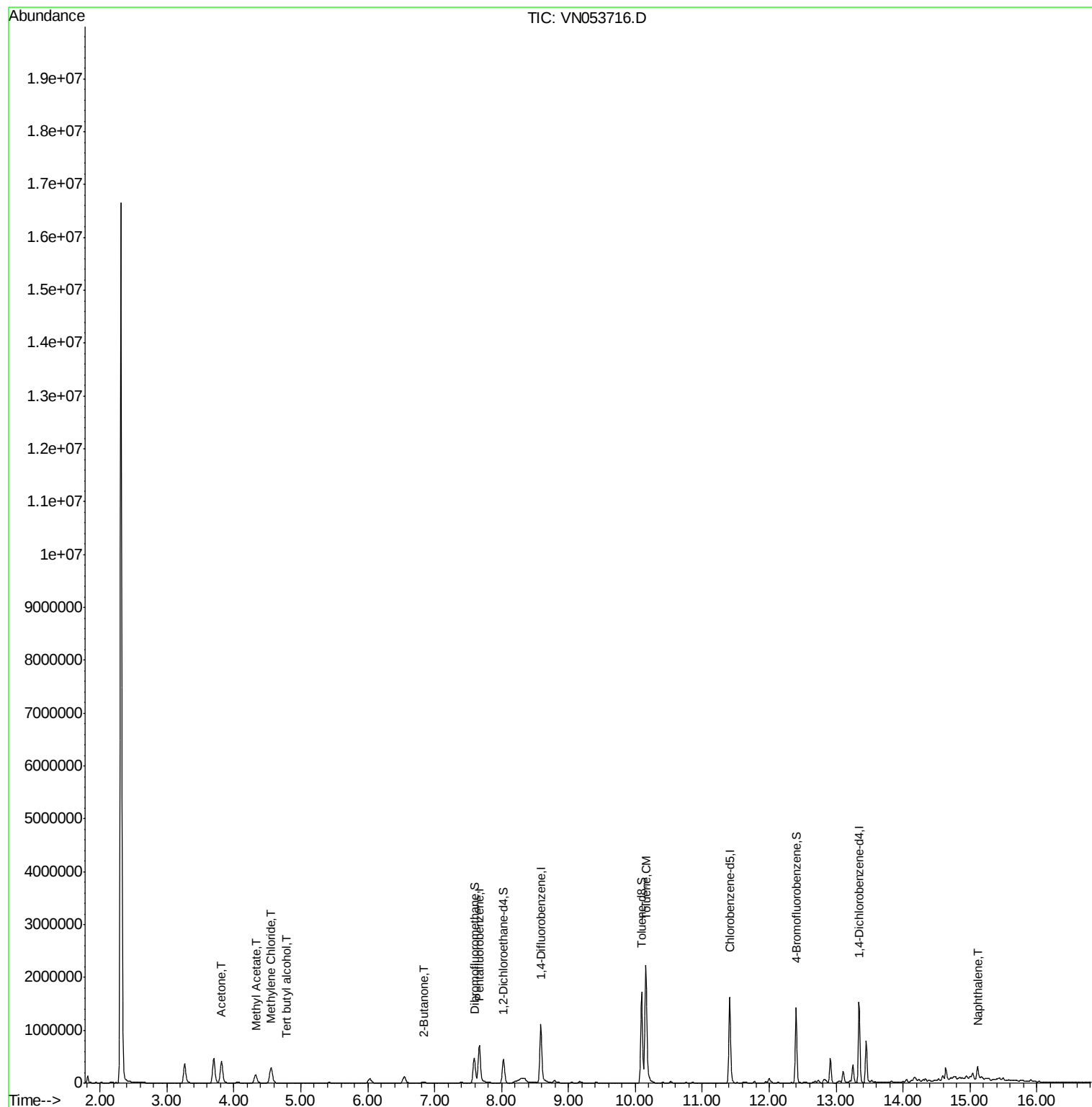
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	7973	18.519	ug/l #	85
16) Acetone	3.82	43	683130	366.093	ug/l	98
18) Methyl Acetate	4.32	43	300425	54.364	ug/l	97
20) Methylene Chloride	4.56	84	232823	29.740	ug/l	99
25) 2-Butanone	6.84	43	39257	14.751	ug/l	100
52) Toluene	10.16	92	1135236	58.234	ug/l	99
95) Naphthalene	15.13	128	17738	2.610	ug/l #	82

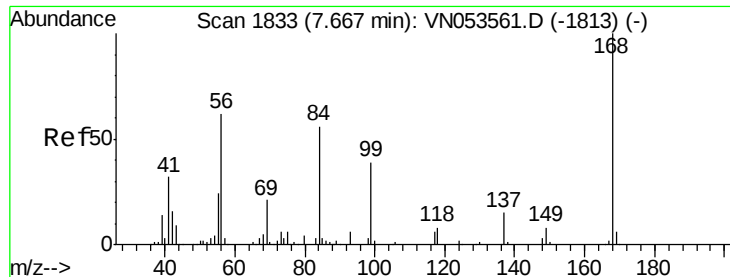
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 01 09:11:52 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: VN053716.D

Acq: 11 Feb 2019 20:21

Instrument :

MSVOA_N

ClientSampled :

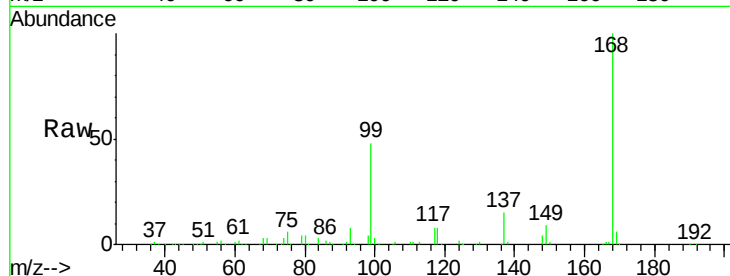
30172

Tot Ion:168 Resp: 725164

Ion Ratio Lower Upper

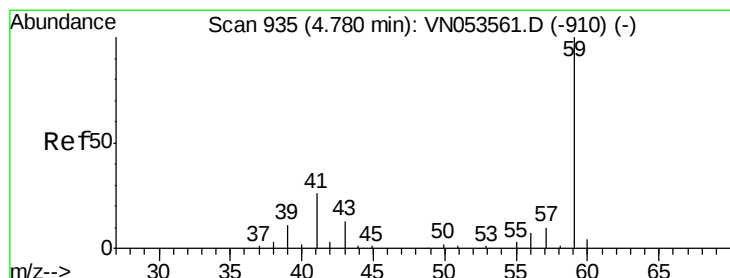
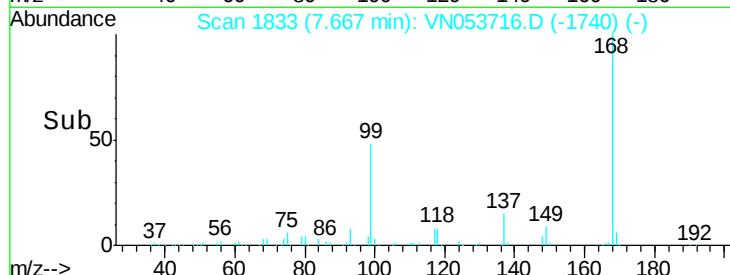
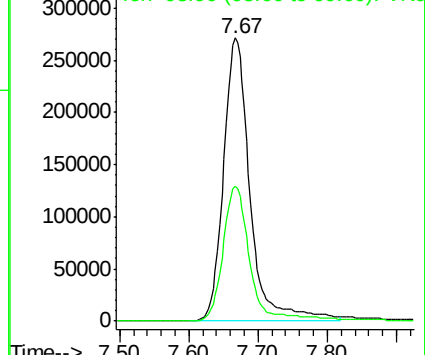
168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 18.519 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053716.D

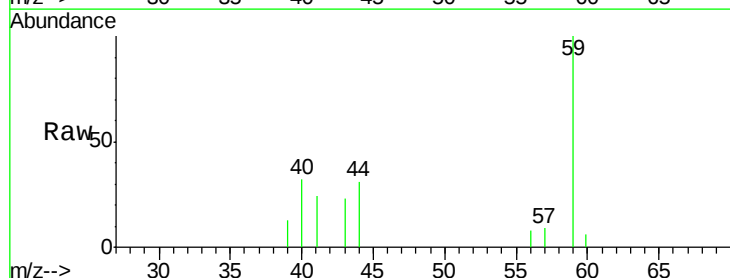
Acq: 11 Feb 2019 20:21

Tgt Ion: 59 Resp: 7973

Ion Ratio Lower Upper

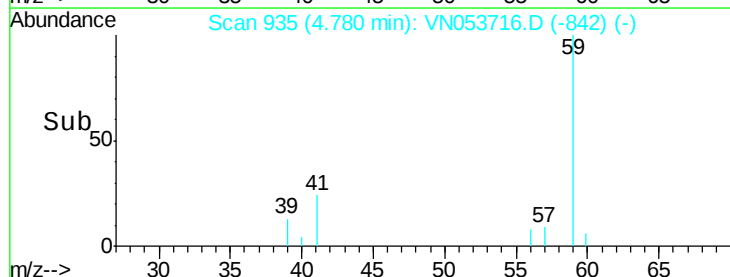
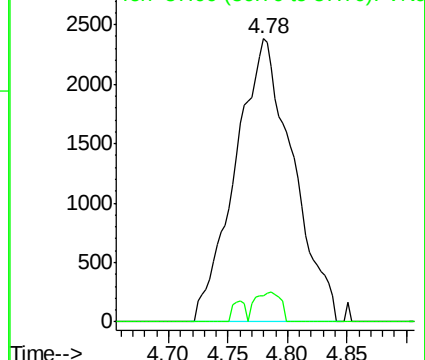
59 100

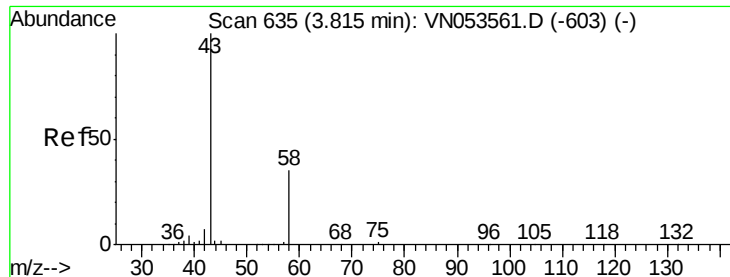
57 4.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 366.093 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053716.D

Acq: 11 Feb 2019 20:21

Instrument :

MSVOA_N

ClientSampleId :

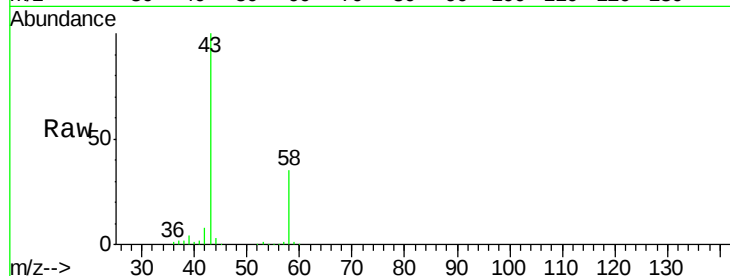
30172

Tot Ion: 43 Resp: 683130

Ion Ratio Lower Upper

43 100

58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

250000

200000

150000

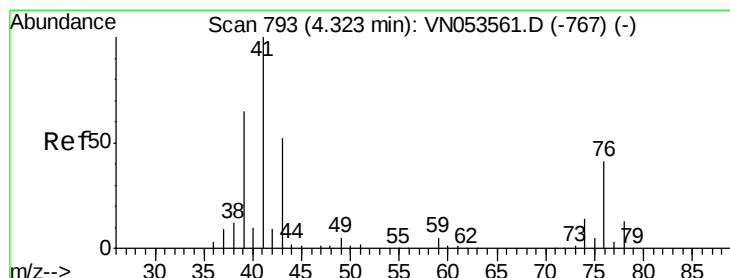
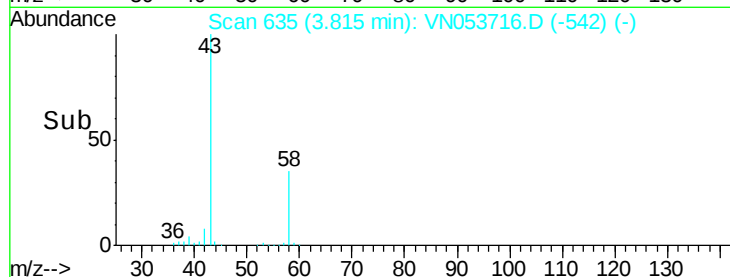
100000

50000

0

3.70 3.82 3.90 4.00

Time-->



#18

Methyl Acetate

Concen: 54.364 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053716.D

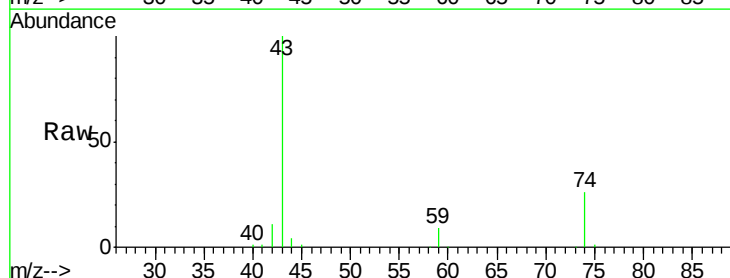
Acq: 11 Feb 2019 20:21

Tgt Ion: 43 Resp: 300425

Ion Ratio Lower Upper

43 100

74 25.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

120000

100000

80000

60000

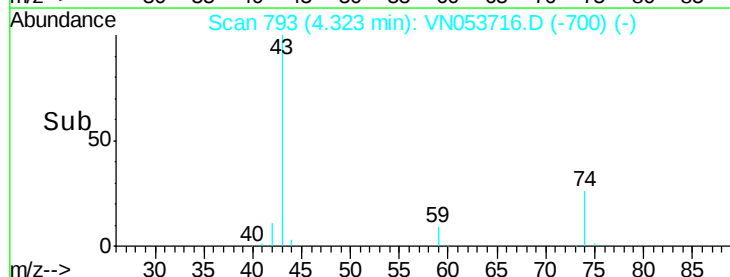
40000

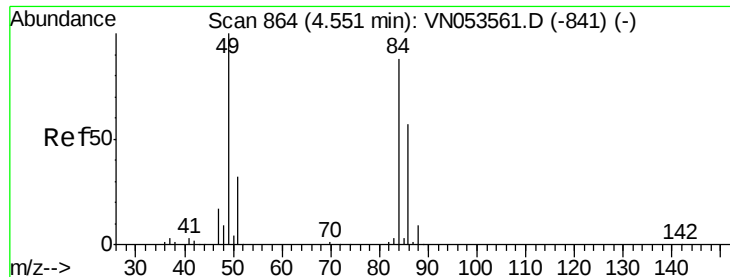
20000

0

4.20 4.32 4.40

Time-->

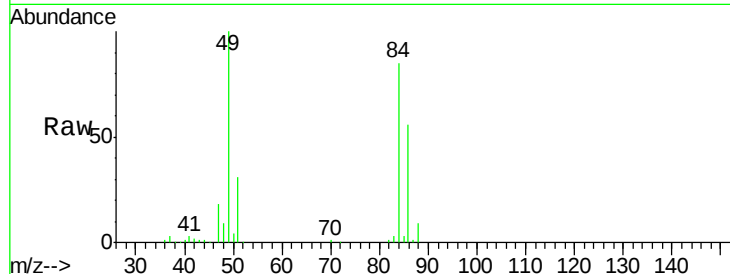




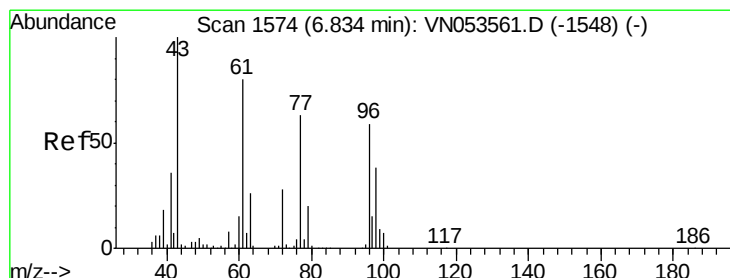
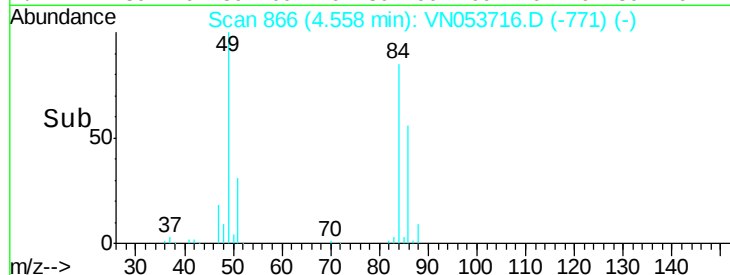
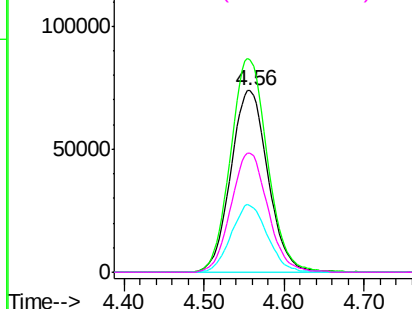
#20
Methvlene Chloride
Concen: 29.740 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053716.D
Acq: 11 Feb 2019 20:21

Instrument :
MSVOA_N
ClientSampled :
30172

Tot Ion: 84 Resp: 232823
Ion Ratio Lower Upper
84 100
49 117.0 94.3 141.5
51 36.7 29.4 44.2
86 65.7 51.4 77.0

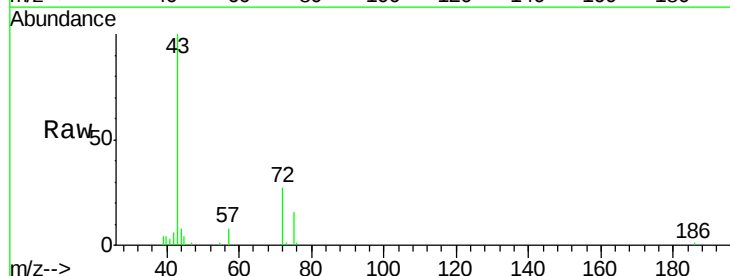


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

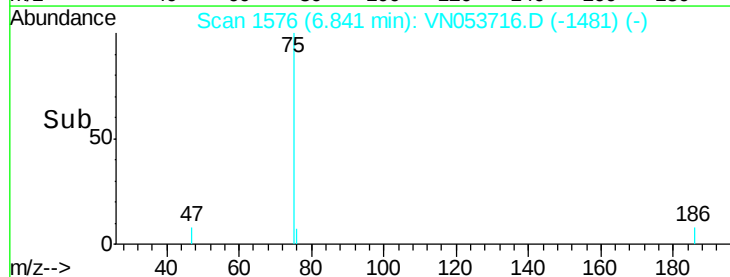
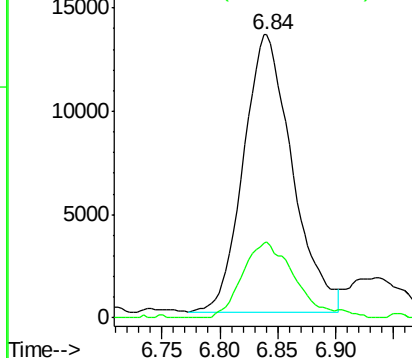


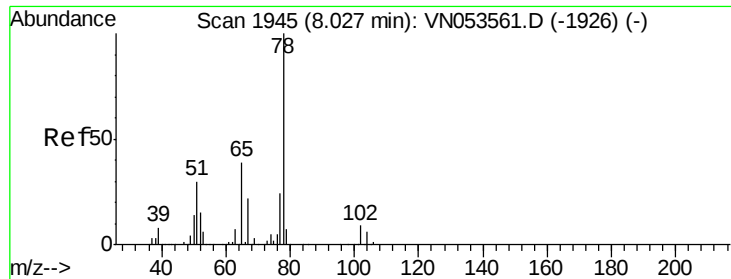
#25
2-Butanone
Concen: 14.751 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053716.D
Acq: 11 Feb 2019 20:21

Tgt Ion: 43 Resp: 39257
Ion Ratio Lower Upper
43 100
72 27.6 22.0 33.0



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





#33

1,2-Dichloroethane-d4

Concen: 51.902 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053716.D

Acq: 11 Feb 2019 20:21

Instrument :

MSVOA_N

ClientSampleId :

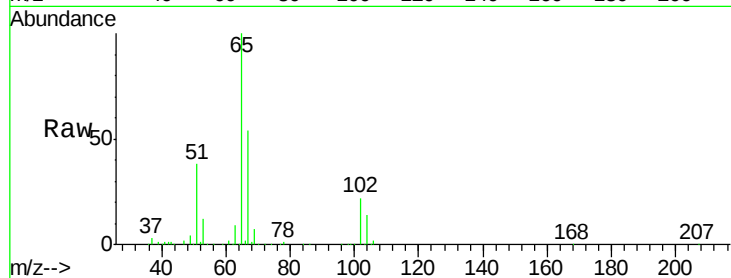
30172

Tot Ion: 65 Resp: 377579

Ion Ratio Lower Upper

65 100

67 54.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

150000

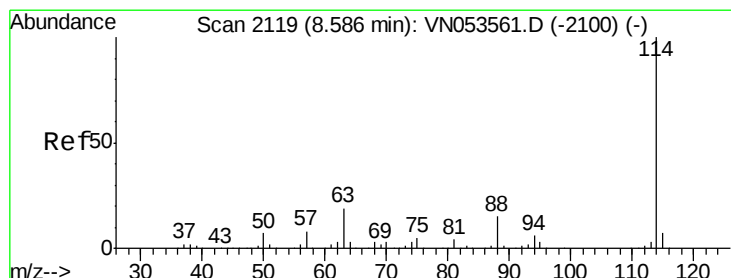
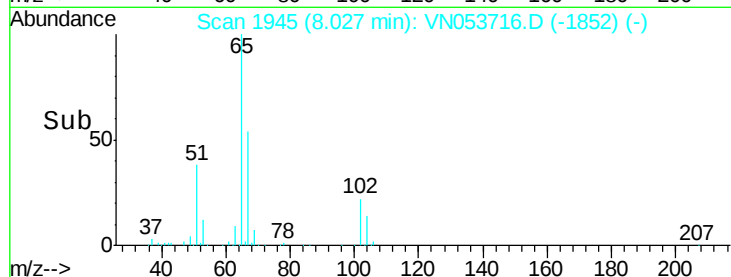
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053716.D

Acq: 11 Feb 2019 20:21

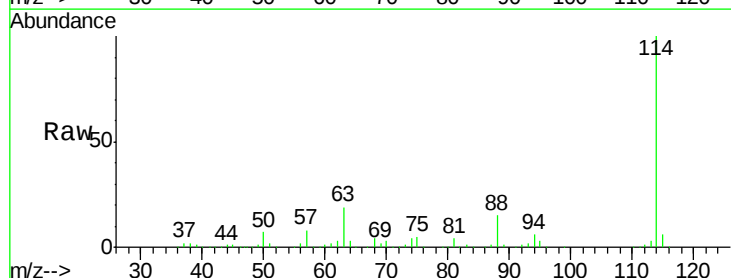
Tgt Ion: 114 Resp: 1181619

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.6

88 14.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

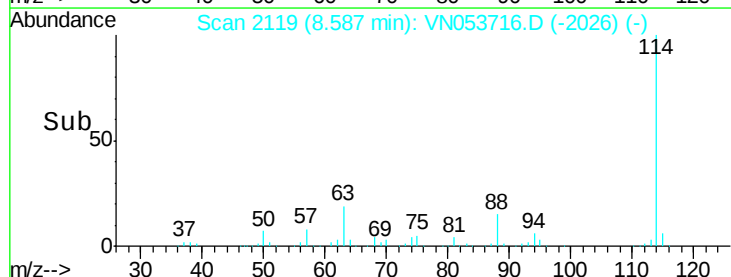
400000

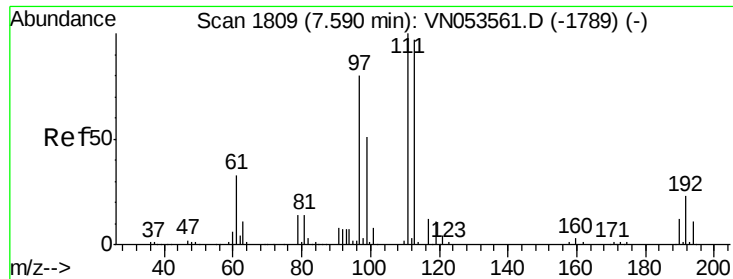
200000

0

8.40 8.60 8.80

Time-->

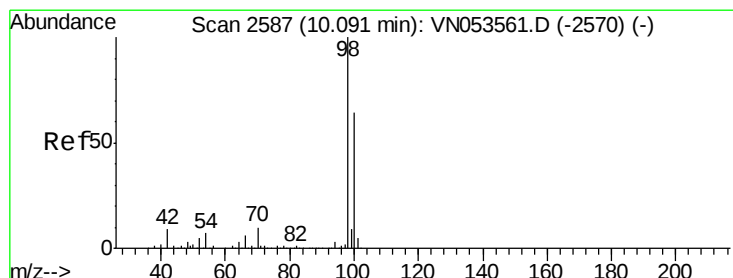
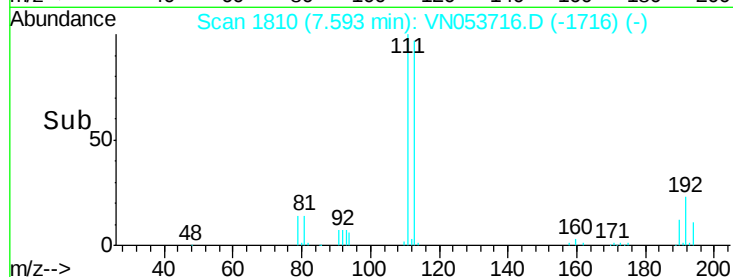
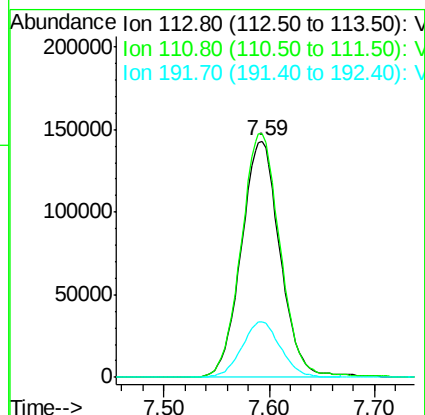
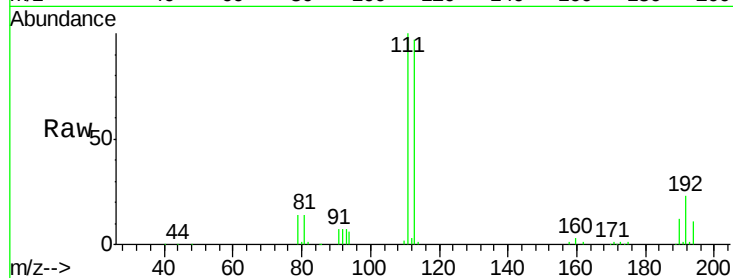




#35
 Dibromofluoromethane
 Concen: 48.739 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053716.D
 Acq: 11 Feb 2019 20:21

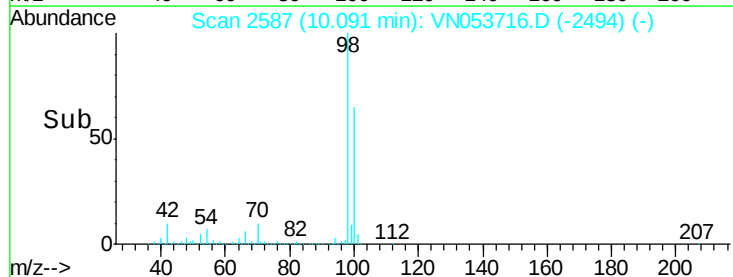
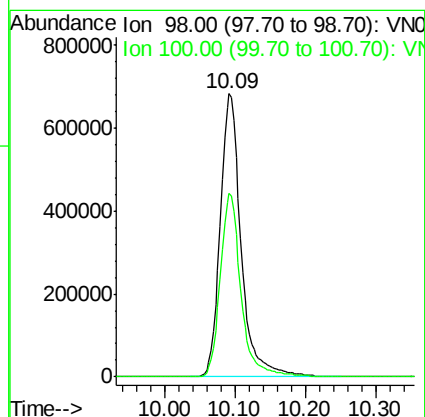
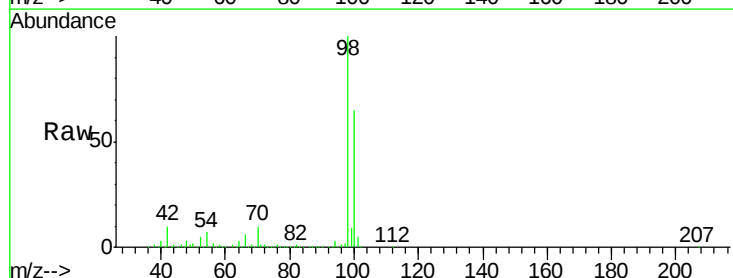
Instrument :
 MSVOA_N
 ClientSampleId :
 30172

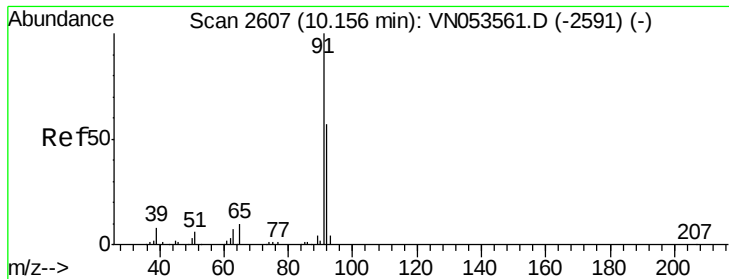
Tot Ion:113 Resp: 363902
 Ion Ratio Lower Upper
 113 100
 111 104.7 81.1 121.7
 192 23.7 18.2 27.2



#50
 Toluene-d8
 Concen: 50.215 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053716.D
 Acq: 11 Feb 2019 20:21

Tgt Ion: 98 Resp: 1407745
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.4 77.0





#52

Toluene

Concen: 58.234 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053716.D

Acq: 11 Feb 2019 20:21

Instrument :

MSVOA_N

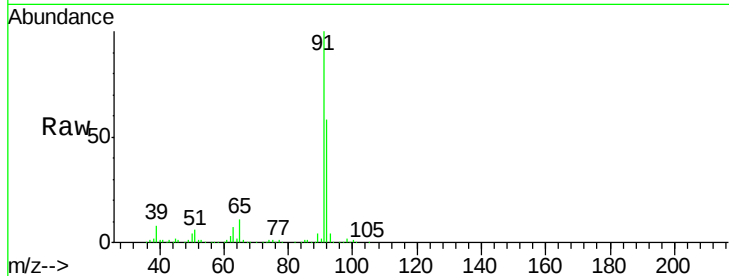
ClientSampled :
30172

Tot Ion: 92 Resp: 1135236

Ion Ratio Lower Upper

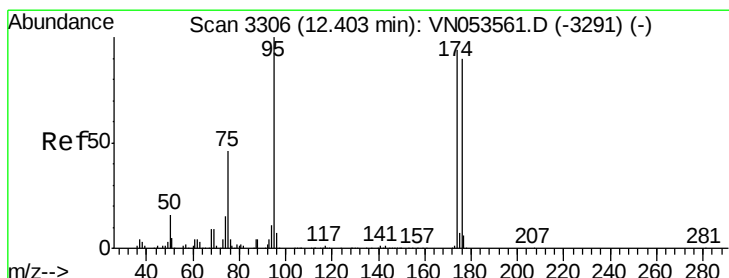
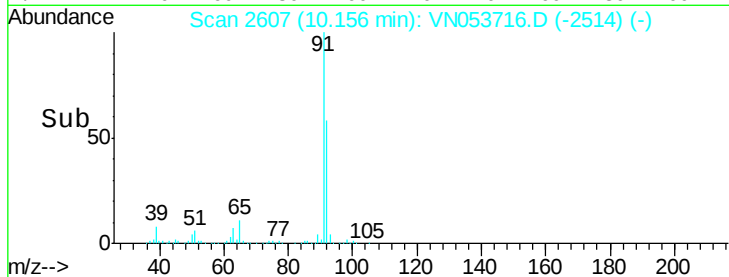
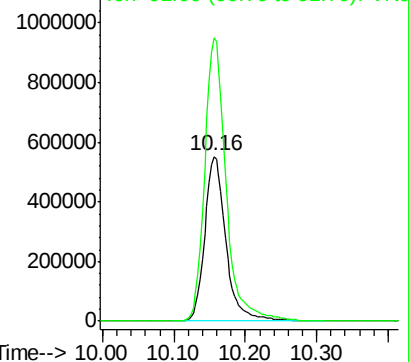
92 100

91 174.0 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: 50.804 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053716.D

Acq: 11 Feb 2019 20:21

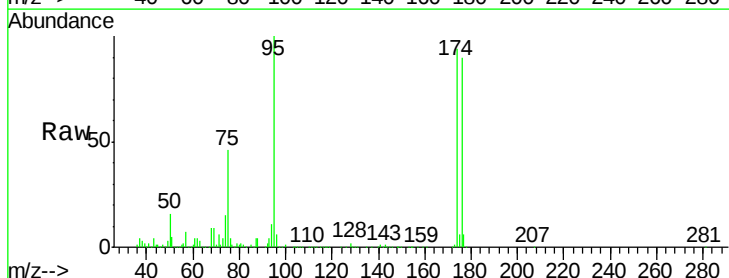
Tgt Ion: 95 Resp: 475018

Ion Ratio Lower Upper

95 100

174 92.9 0.0 183.2

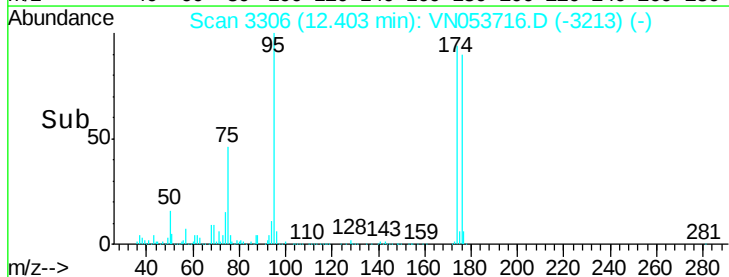
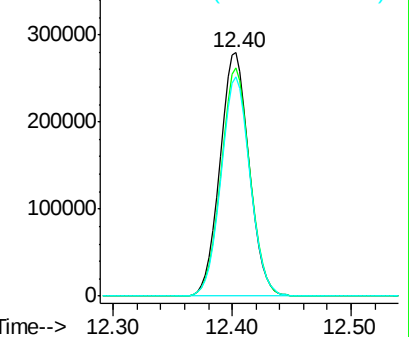
176 89.6 0.0 177.4

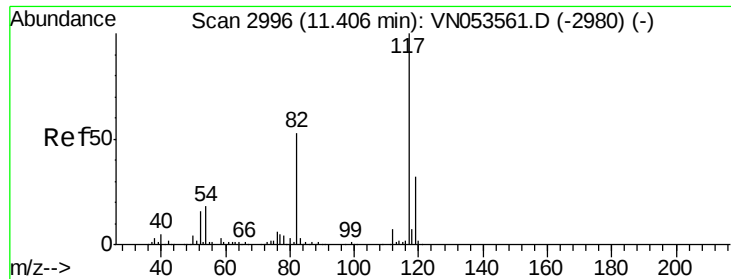


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

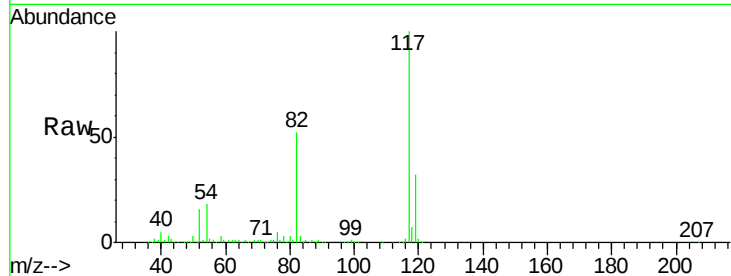




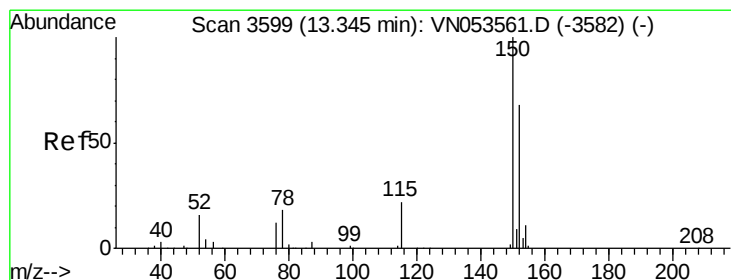
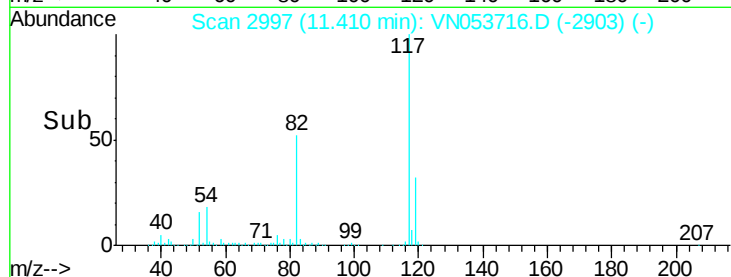
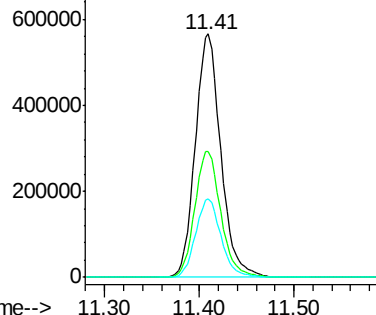
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053716.D
Acq: 11 Feb 2019 20:21

Instrument :
MSVOA_N
ClientSampled :
30172

Tot Ion:117 Resp: 1060112
Ion Ratio Lower Upper
117 100
82 51.9 42.9 64.3
119 32.4 26.0 39.0

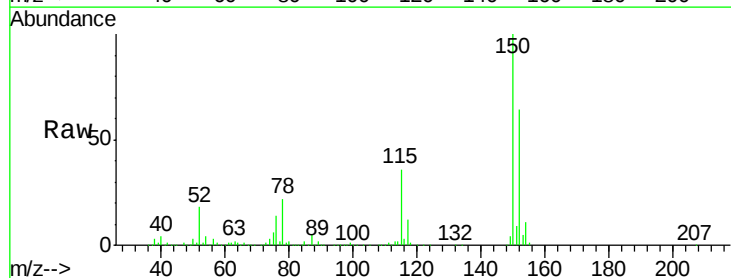


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

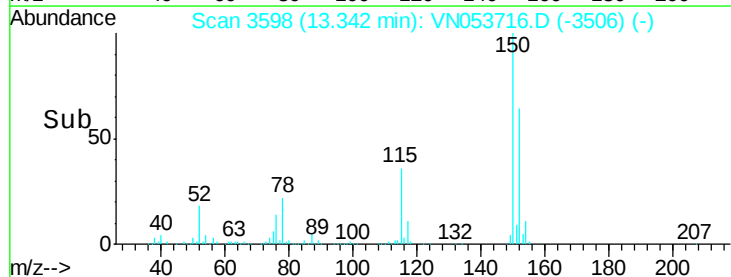
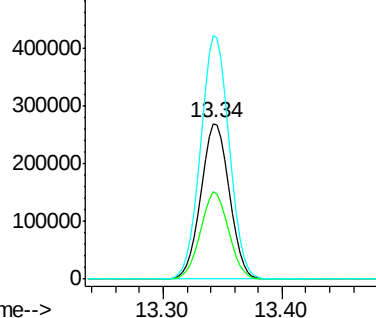


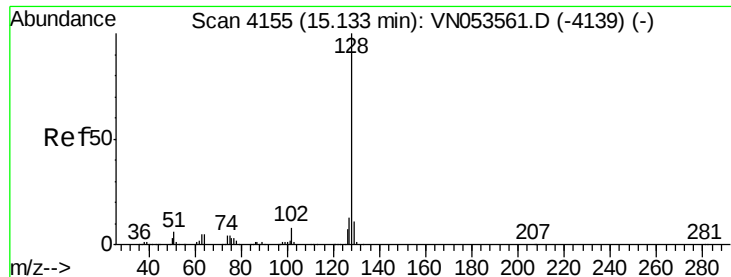
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053716.D
Acq: 11 Feb 2019 20:21

Tgt Ion:152 Resp: 446039
Ion Ratio Lower Upper
152 100
115 55.4 27.8 83.4
150 156.9 0.0 349.0



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





#95

Naphthalene

Concen: 2.610 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053716.D

Acq: 11 Feb 2019 20:21

Instrument :

MSVOA_N

ClientSampleId :

30172

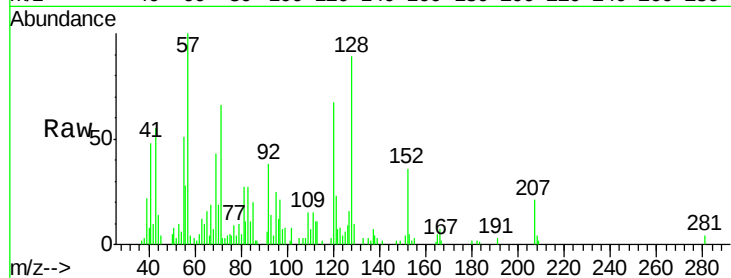
Tot Ion:128 Resp: 17738

Ion Ratio Lower Upper

128 100

127 24.1 10.3 15.5#

129 12.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

