

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070819\
 Data File : VN056609.D
 Acq On : 8 Jul 2019 15:08
 Operator : JC/SP
 Sample : K3668-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRANSFORMER-T2

Quant Time: Jul 09 04:14:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

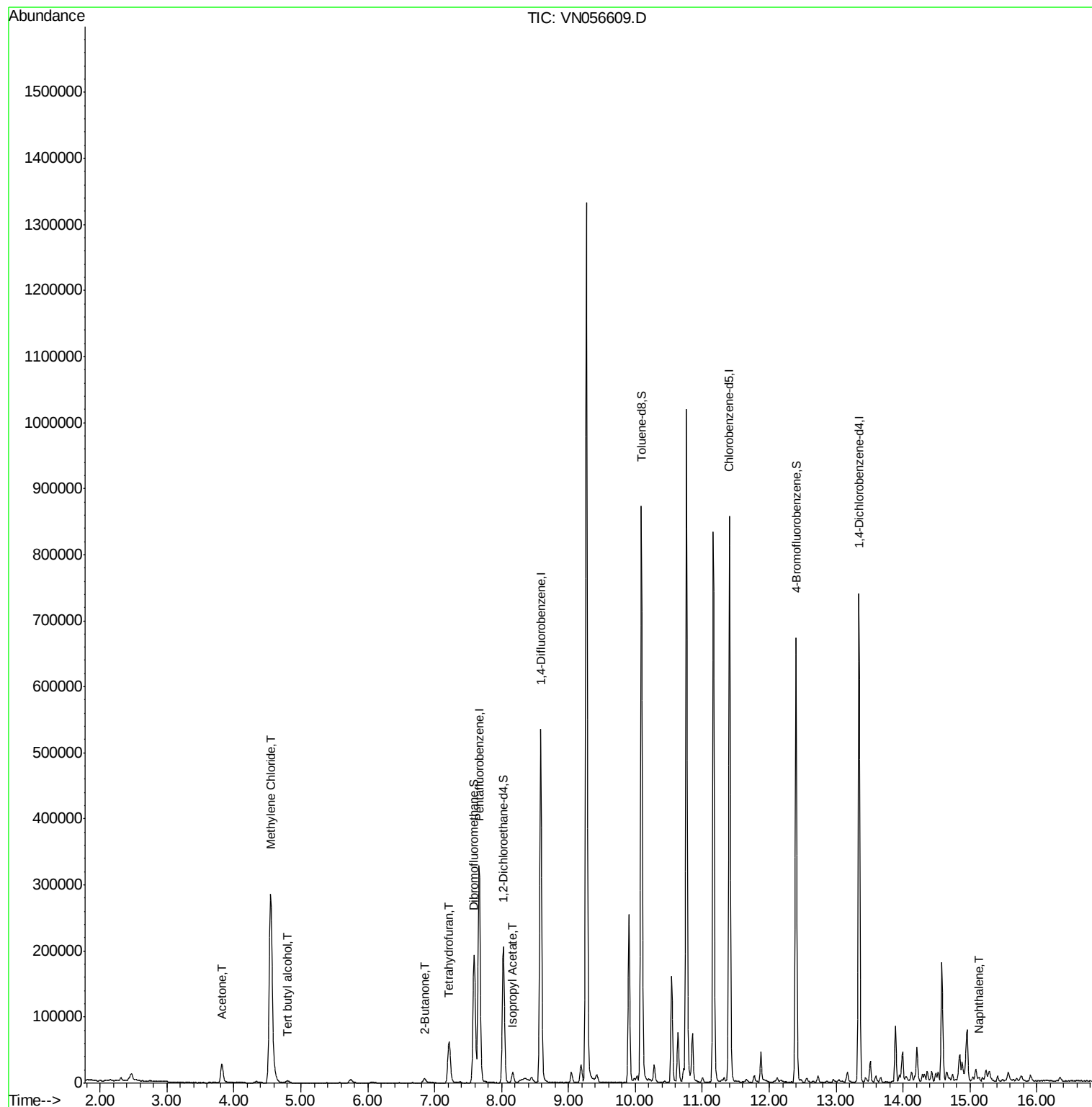
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	291939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	504175	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	529445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	169986	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	151078	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
50) Toluene-d8	10.09	98	639064	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.40	95	238301	58.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.82%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.80	59	6733	12.355	ug/l #	81
16) Acetone	3.82	43	50177	30.953	ug/l	99
20) Methylene Chloride	4.55	84	239687	78.948	ug/l	99
25) 2-Butanone	6.85	43	12743	5.939	ug/l	100
29) Tetrahydrofuran	7.22	42	56104	42.791	ug/l	99
43) Isopropyl Acetate	8.17	43	19790	2.943	ug/l #	89
95) Naphthalene	15.13	128	5104	5.713	ug/l #	93

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

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Quant Title : SW846 8260
QLast Update : Fri Jun 21 03:45:40 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: VN056609.D

Acq: 8 Jul 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

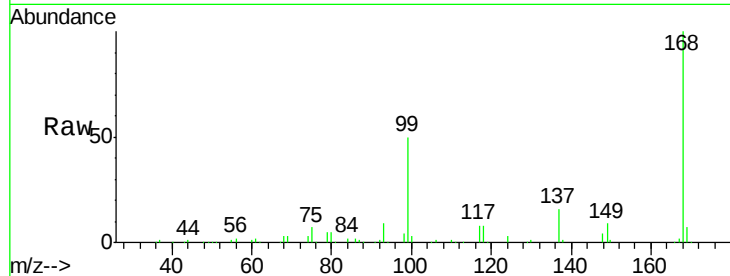
TRANSFORMER-T2

Tot Ion:168 Resp: 291939

Ion Ratio Lower Upper

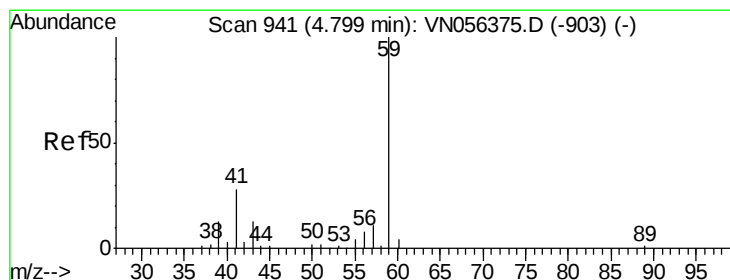
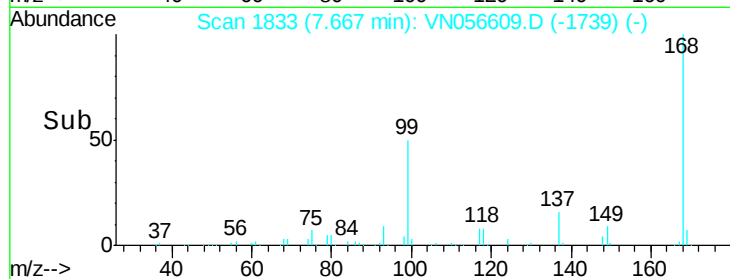
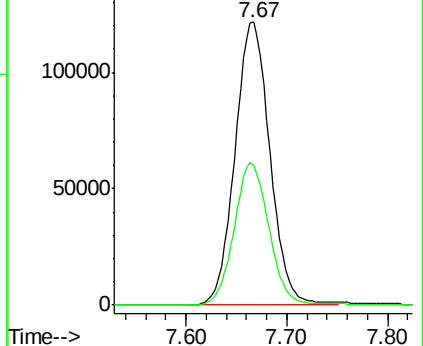
168 100

99 49.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 12.355 ug/l

RT: 4.80 min Scan# 942

Delta R.T. 0.00 min

Lab File: VN056609.D

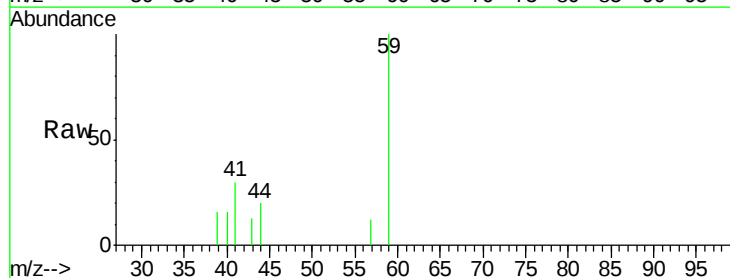
Acq: 8 Jul 2019 15:08

Tgt Ion: 59 Resp: 6733

Ion Ratio Lower Upper

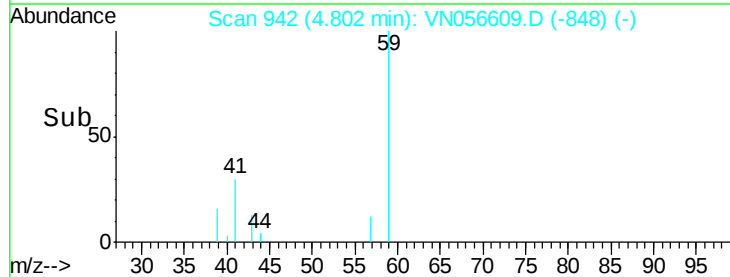
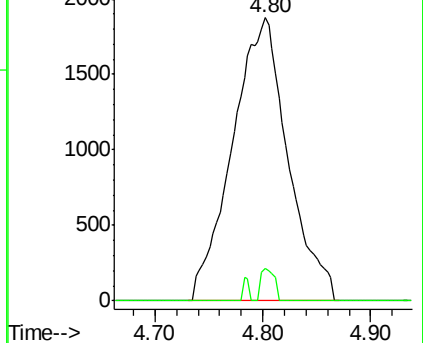
59 100

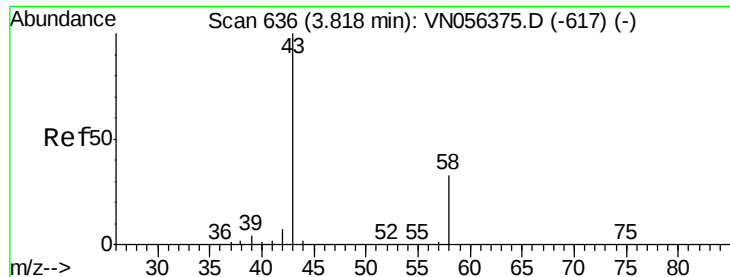
57 2.7 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 30.953 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

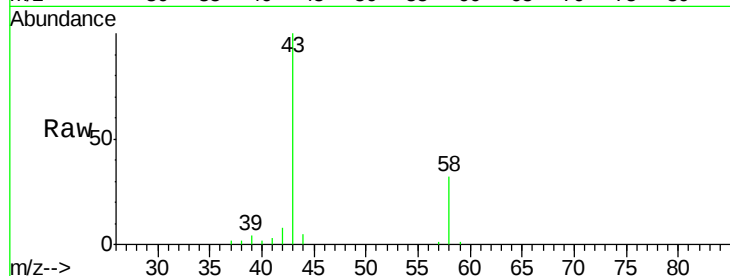
TRANSFORMER-T2

Tot Ion: 43 Resp: 50177

Ion Ratio Lower Upper

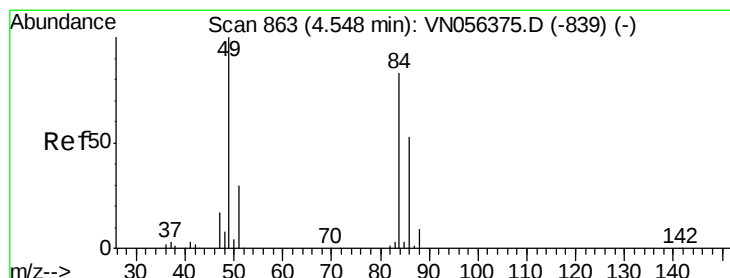
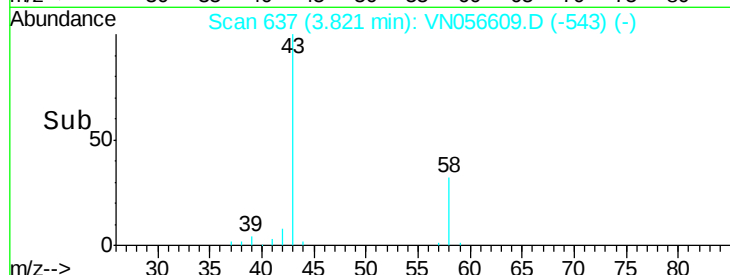
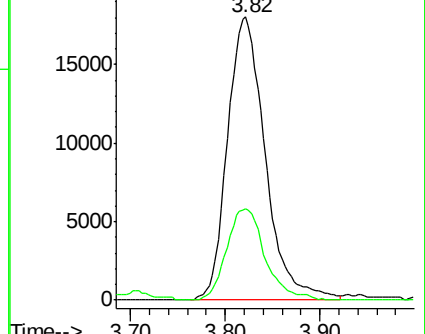
43 100

58 32.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#20

Methylene Chloride

Concen: 78.948 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

Tgt Ion: 84 Resp: 239687

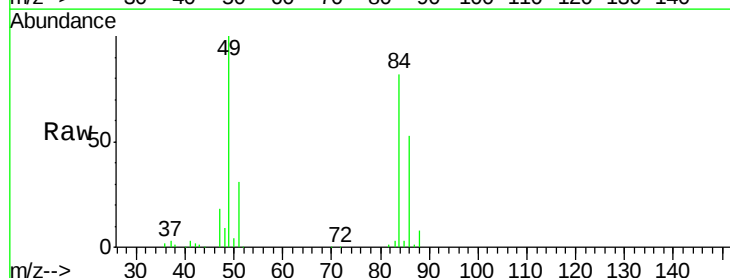
Ion Ratio Lower Upper

84 100

49 121.9 96.4 144.6

51 37.2 28.6 43.0

86 64.9 51.4 77.2

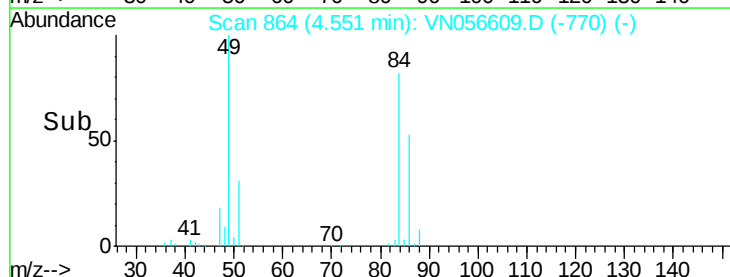
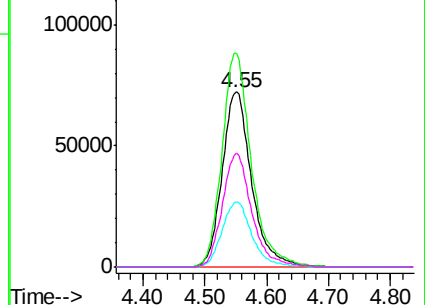


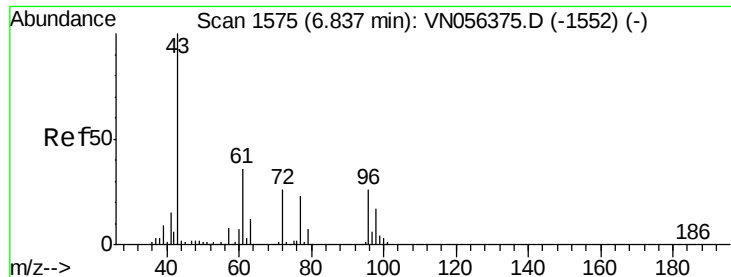
Abundance Ion 83.90 (83.60 to 84.60): VNC

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

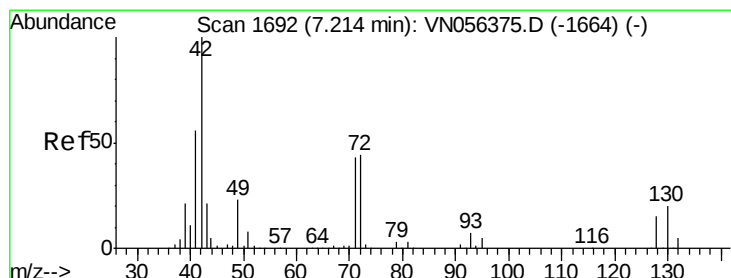
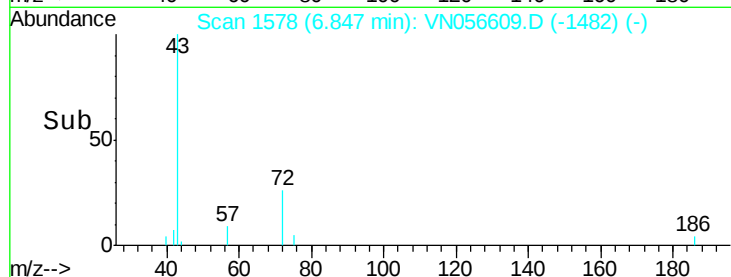
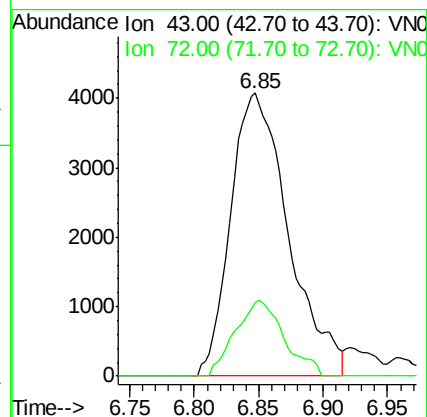
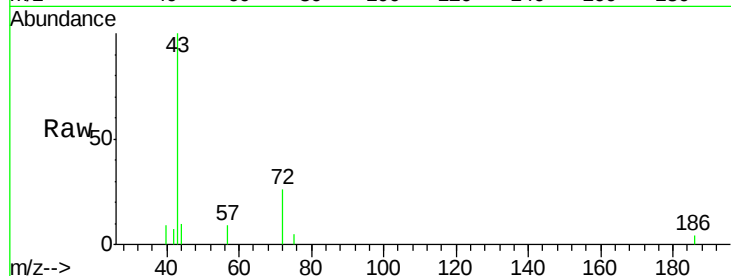




#25
2-Butanone
Concen: 5.939 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN056609.D
Acq: 8 Jul 2019 15:08

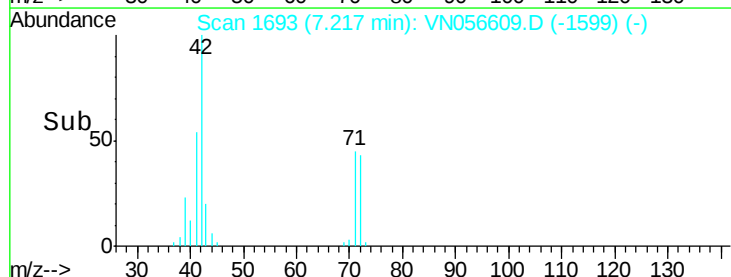
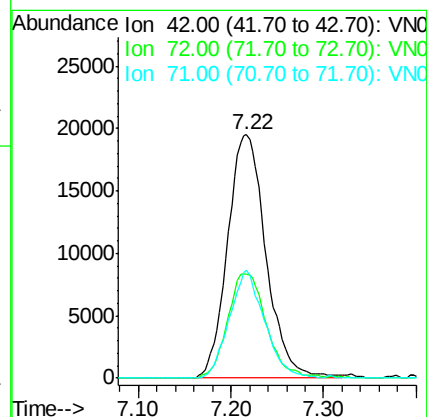
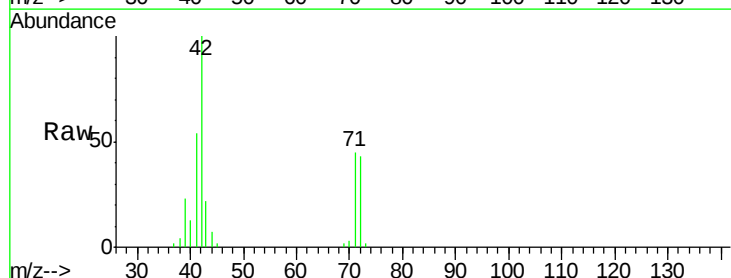
Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-T2

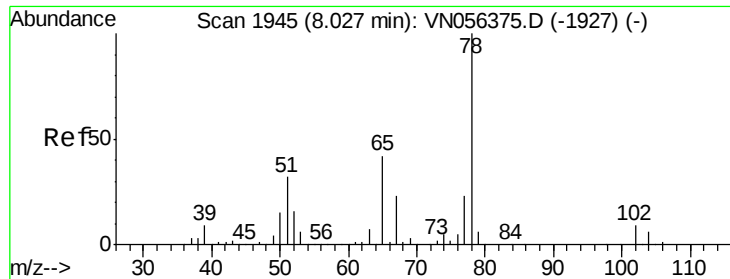
Tot Ion: 43 Resp: 12743
Ion Ratio Lower Upper
43 100
72 25.9 20.6 31.0



#29
Tetrahydrofuran
Concen: 42.791 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056609.D
Acq: 8 Jul 2019 15:08

Tgt Ion: 42 Resp: 56104
Ion Ratio Lower Upper
42 100
72 42.9 34.7 52.1
71 40.5 33.0 49.6

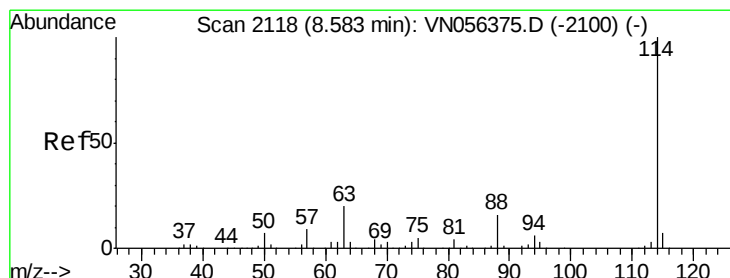
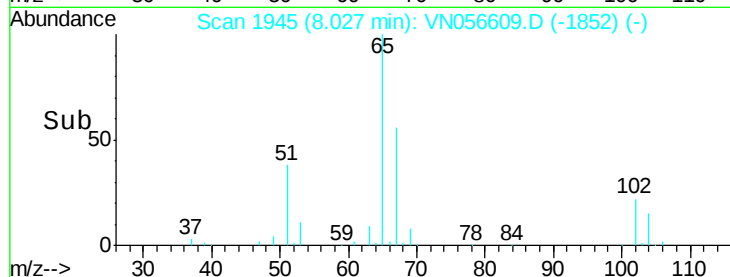
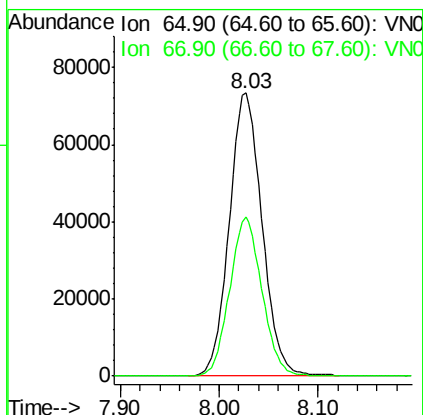
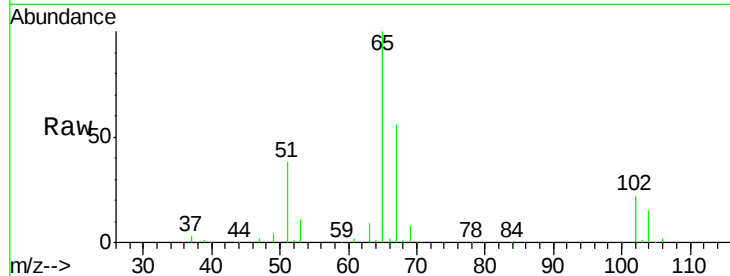




#33
 1,2-Dichloroethane-d4
 Concen: 52.536 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056609.D
 Acq: 8 Jul 2019 15:08

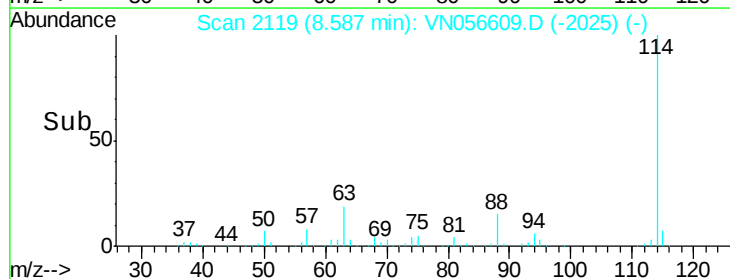
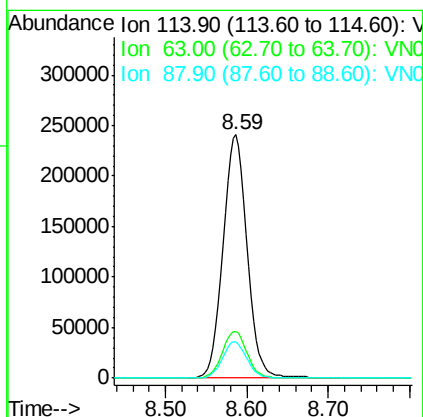
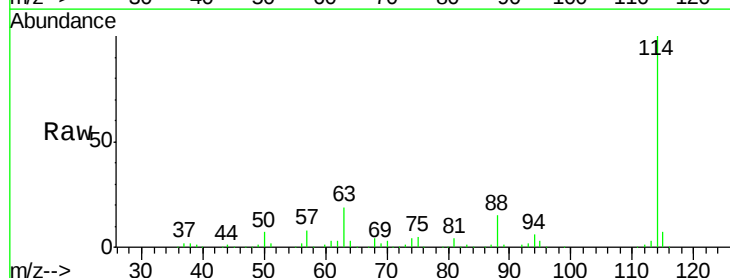
Instrument :
 MSVOA_N
 ClientSampleId :
 TRANSFORMER-T2

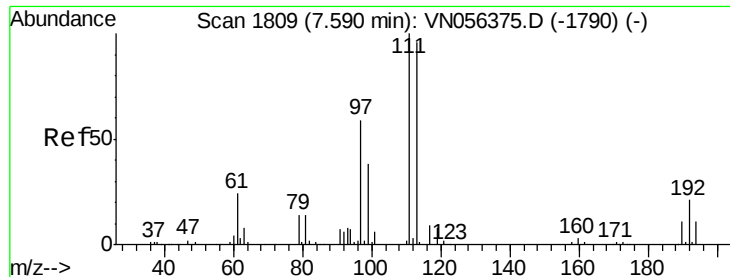
Tot Ion: 65 Resp: 169986
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056609.D
 Acq: 8 Jul 2019 15:08

Tgt Ion: 114 Resp: 504175
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.034 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-T2

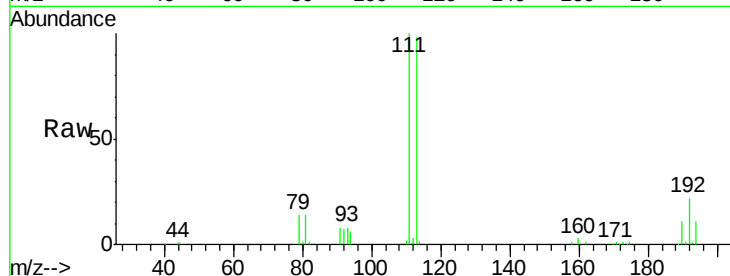
Tot Ion:113 Resp: 151078

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

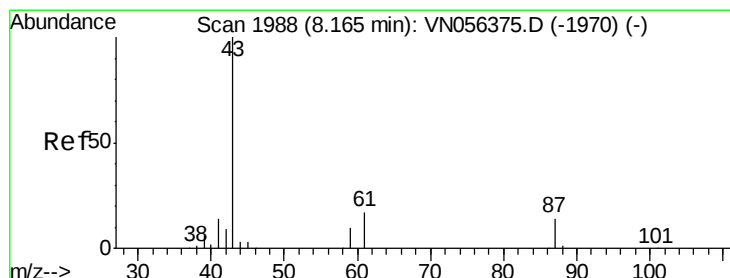
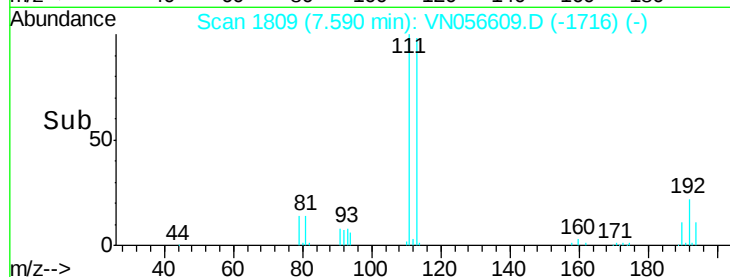
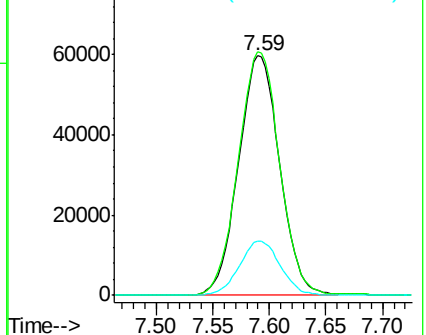
192 22.5 17.7 26.5



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



#43

Isopropyl Acetate

Concen: 2.943 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

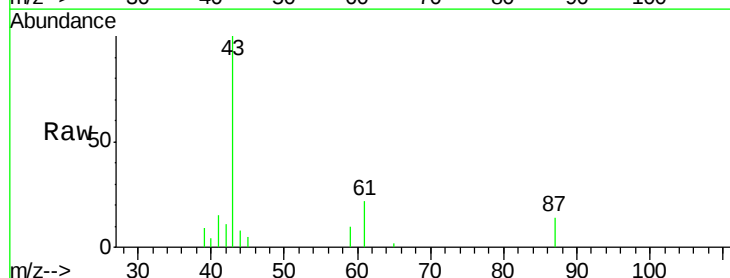
Tgt Ion: 43 Resp: 19790

Ion Ratio Lower Upper

43 100

61 20.4 22.0 33.0#

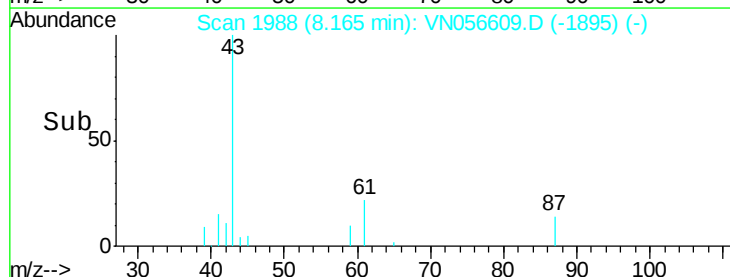
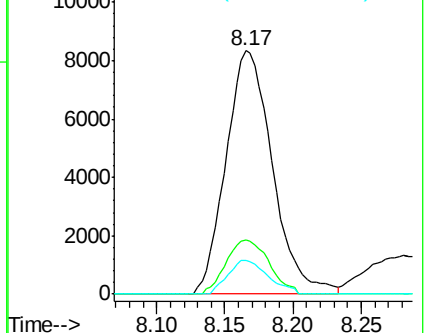
87 11.9 11.0 16.4

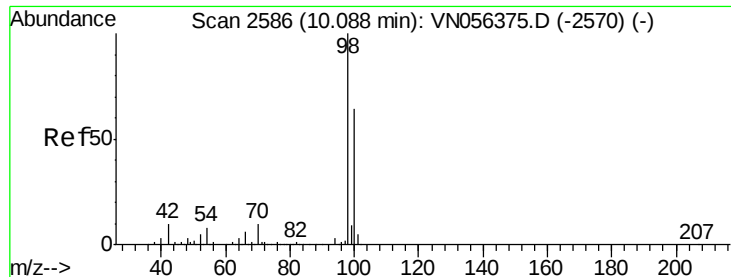


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 52.218 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

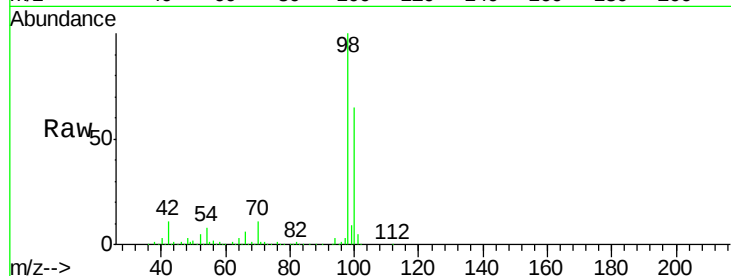
TRANSFORMER-T2

Tot Ion: 98 Resp: 639064

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056375.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056375.D (-2570) (-)

10.09

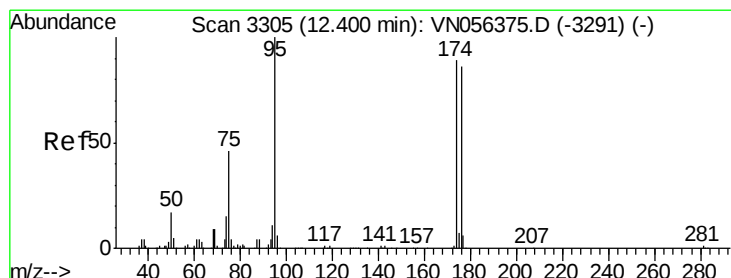
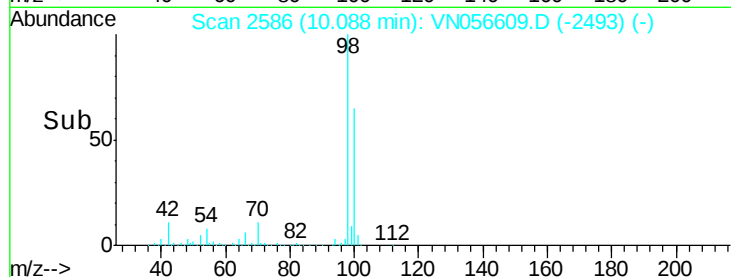
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 58.411 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

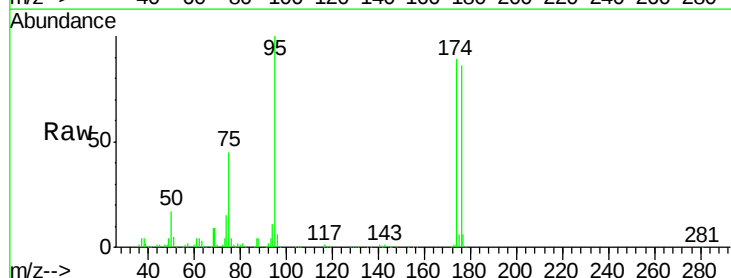
Tgt Ion: 95 Resp: 238301

Ion Ratio Lower Upper

95 100

174 88.9 0.0 179.4

176 85.8 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN056375.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN056375.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN056375.D (-3291) (-)

12.40

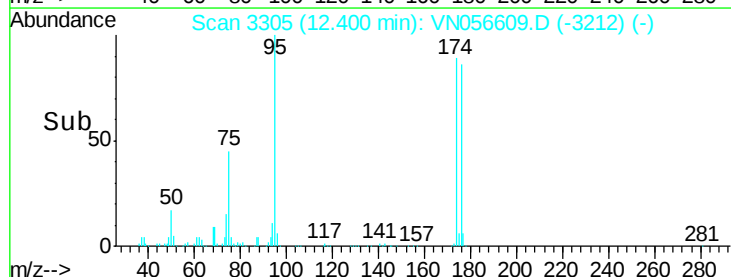
150000

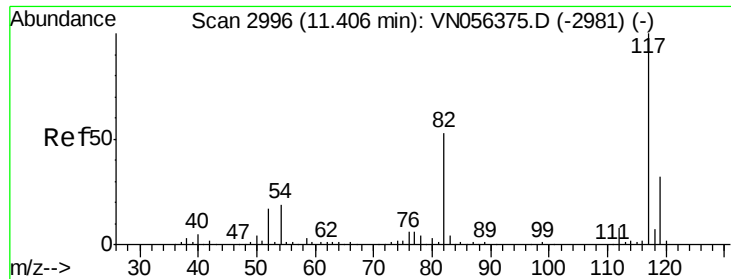
100000

50000

0

Time-->

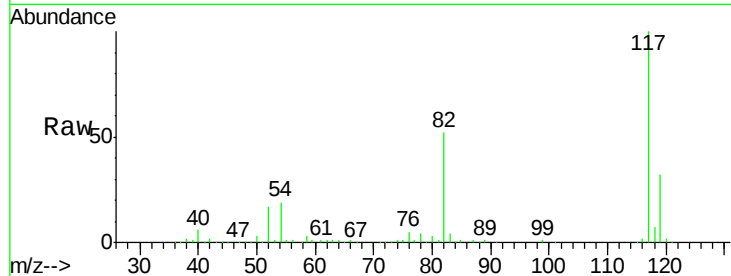




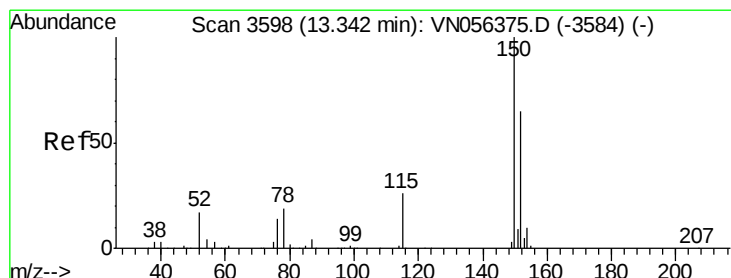
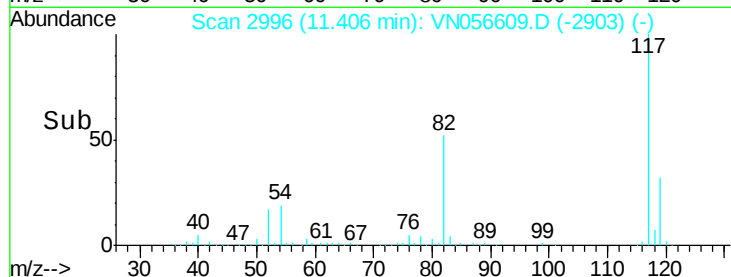
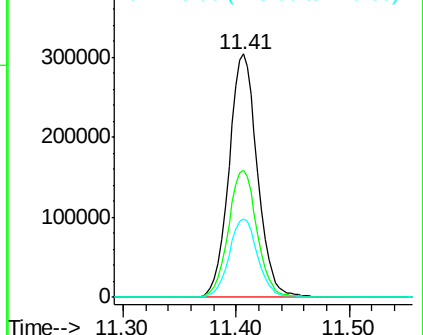
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056609.D
Acq: 8 Jul 2019 15:08

Instrument :
MSVOA_N
ClientSampleId :
TRANSFORMER-T2

Tot Ion:117 Resp: 529445
Ion Ratio Lower Upper
117 100
82 52.5 42.0 63.0
119 32.1 25.3 37.9

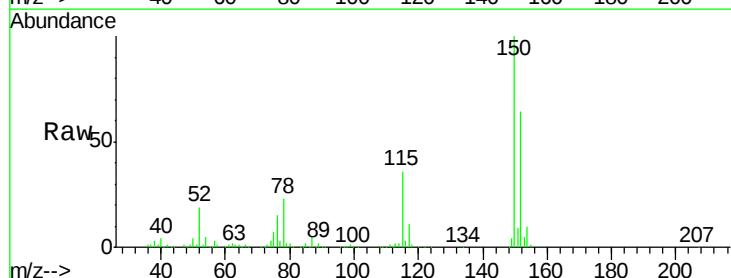


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

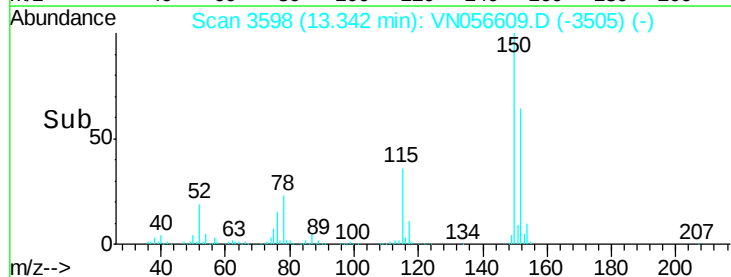
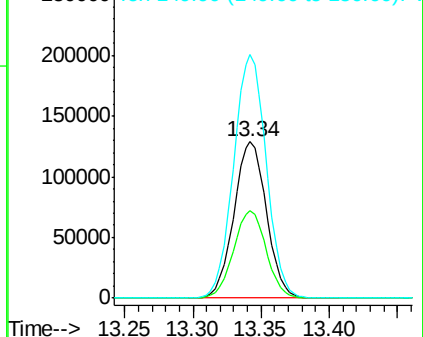


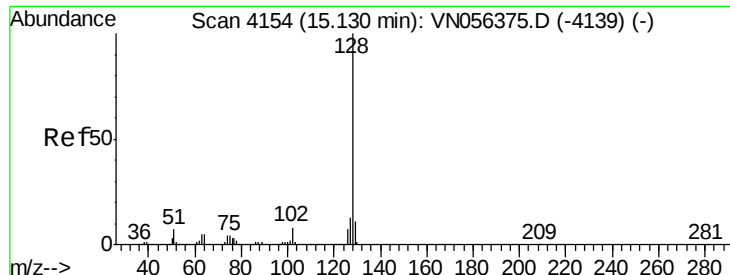
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056609.D
Acq: 8 Jul 2019 15:08

Tgt Ion:152 Resp: 213005
Ion Ratio Lower Upper
152 100
115 56.3 28.1 84.4
150 156.7 0.0 348.4



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: 5.713 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056609.D

Acq: 8 Jul 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

TRANSFORMER-T2

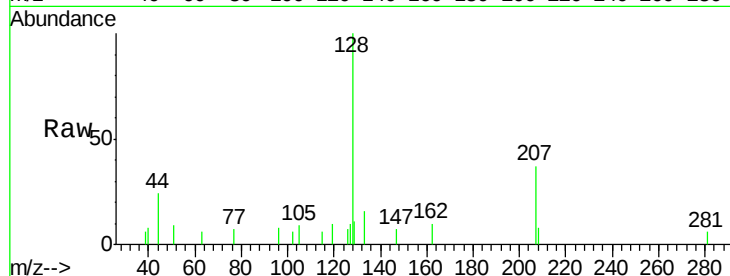
Tot Ion:128 Resp: 5104

Ion Ratio Lower Upper

128 100

127 8.8 10.2 15.2#

129 9.3 8.6 12.8



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

