

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049966.D
 Acq On : 20 Jul 2018 16:47
 Operator : MD\SY
 Sample : PB111289ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111289ZHE#06

Quant Time: Jul 21 02:14:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	557190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	939209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	784029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282022	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	405245	52.92	ug/l	0.00
Spiked Amount						
			Recovery	=	105.84%	
35) Dibromofluoromethane	7.59	113	356644	45.23	ug/l	0.00
Spiked Amount						
			Recovery	=	90.46%	
50) Toluene-d8	10.09	98	1255821	43.71	ug/l	0.00
Spiked Amount						
			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	12.40	95	336555	34.02	ug/l	0.00
Spiked Amount						
			Recovery	=	68.04%	

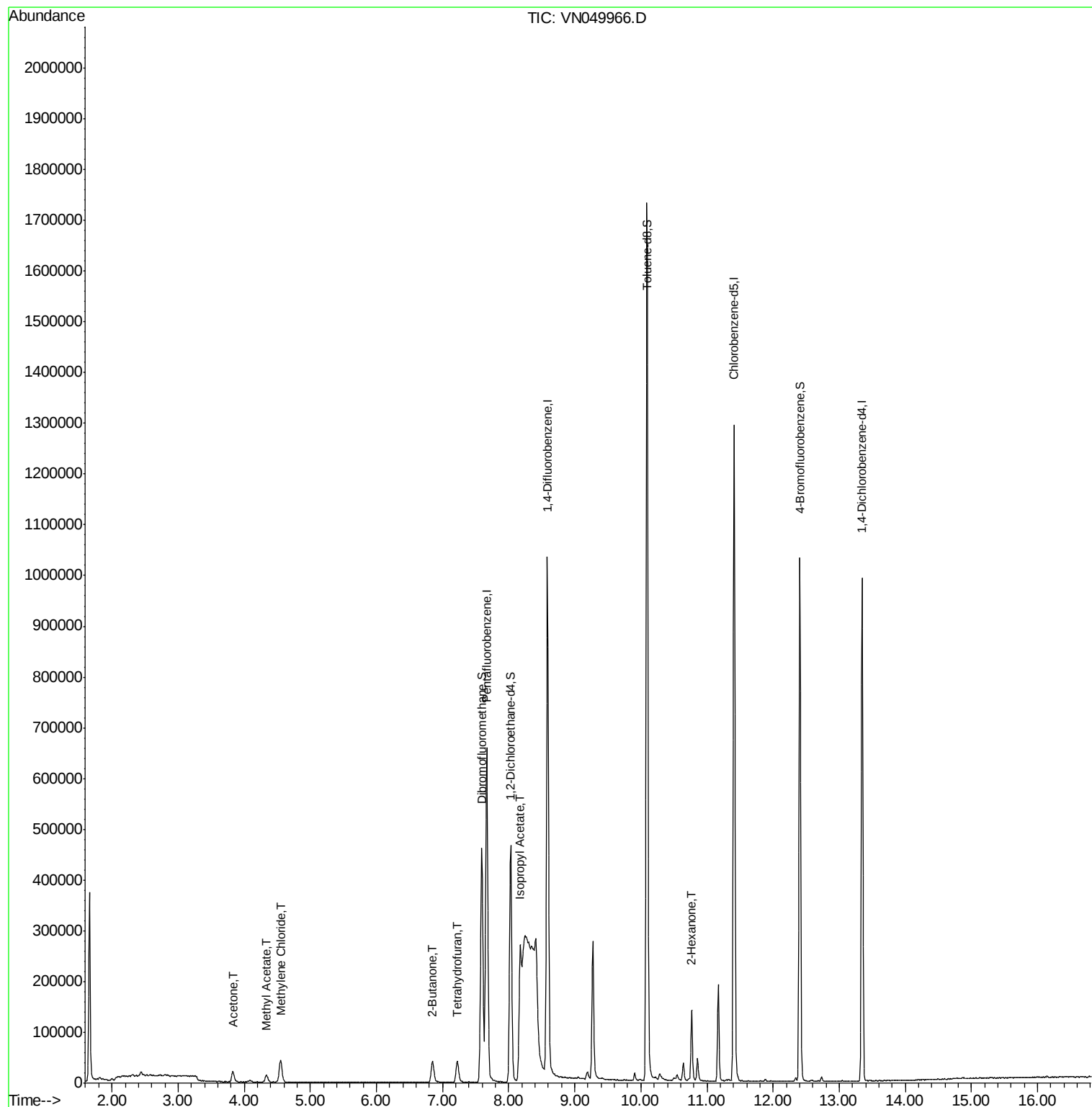
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	34526	17.41	ug/l	96
18) Methyl Acetate	4.34	43	26285	3.45	ug/l	99
20) Methylene Chloride	4.55	84	33483	4.44	ug/l	97
25) 2-Butanone	6.85	43	66172	23.35	ug/l	98
29) Tetrahydrofuran	7.23	42	32830	18.39	ug/l	96
43) Isopropyl Acetate	8.18	43	316756	25.28	ug/l #	91
59) 2-Hexanone	10.77	43	18779	3.99	ug/l #	57

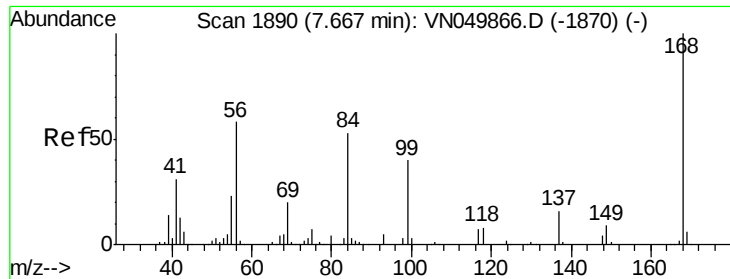
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049966.D

Acq: 20 Jul 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

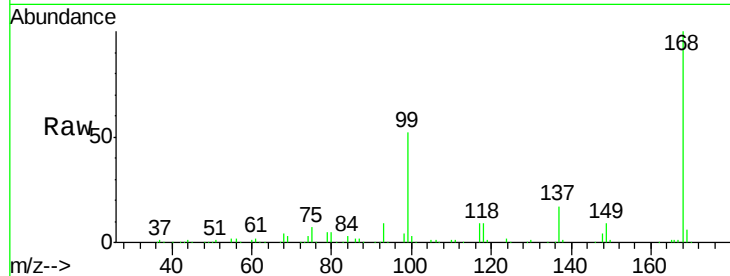
PB111289ZHE#06

Tot Ion:168 Resp: 557190

Ion Ratio Lower Upper

168 100

99 51.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

100000

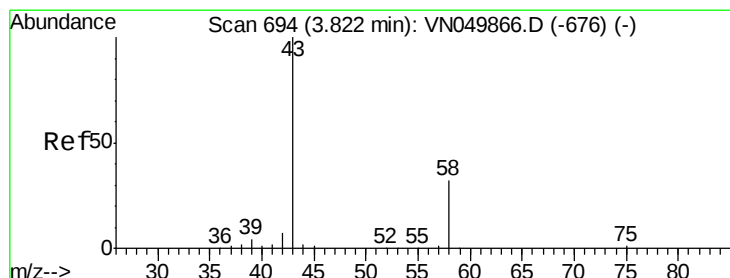
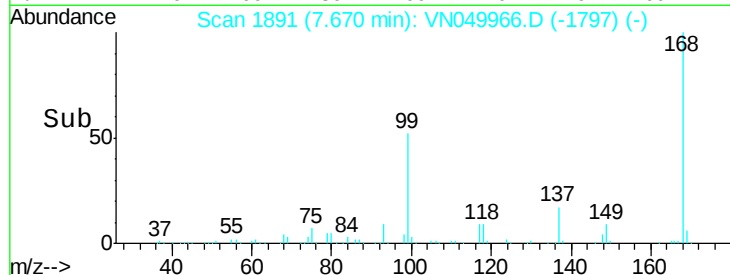
50000

0

Time-->

7.60

7.70



#16

Acetone

Concen: 17.41 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049966.D

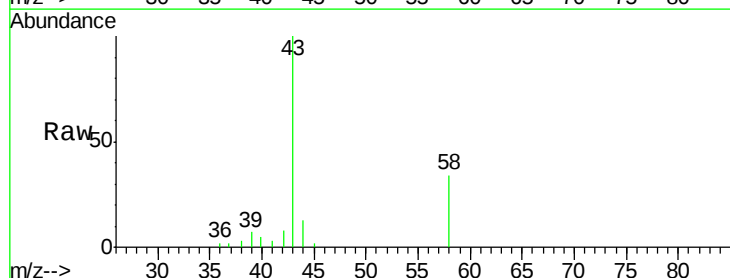
Acq: 20 Jul 2018 16:47

Tgt Ion: 43 Resp: 34526

Ion Ratio Lower Upper

43 100

58 34.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

15000

10000

5000

0

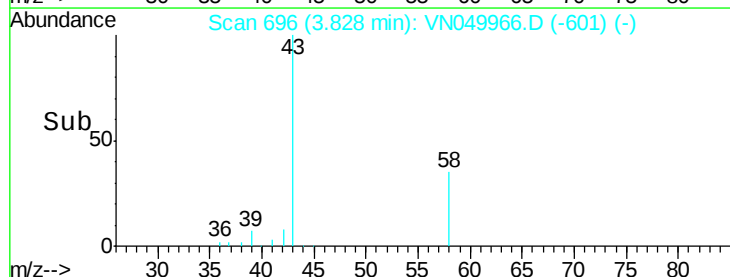
Time-->

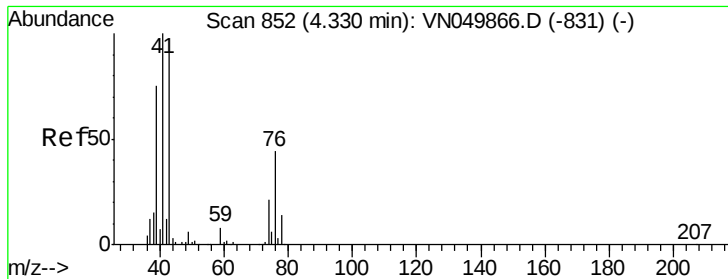
3.75

3.80

3.85

3.90

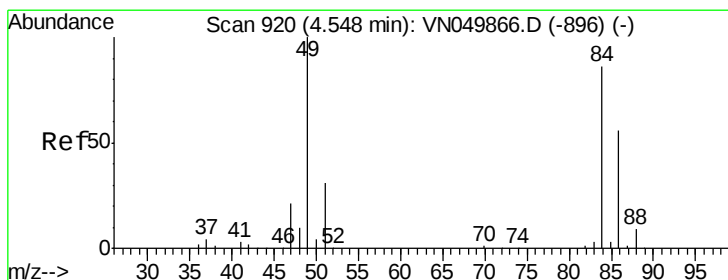
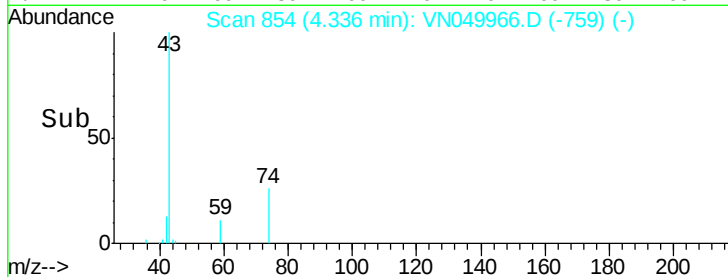
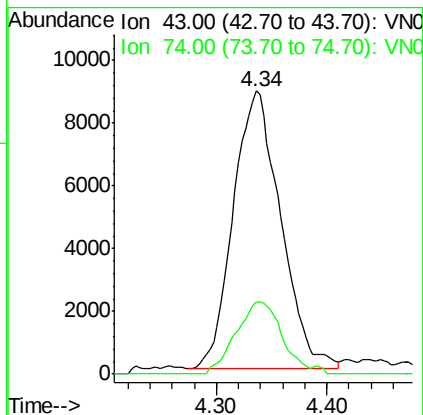
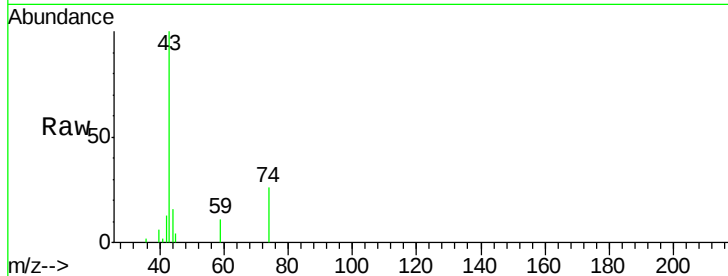




#18
Methvl Acetate
Concen: 3.45 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049966.D
Acq: 20 Jul 2018 16:47

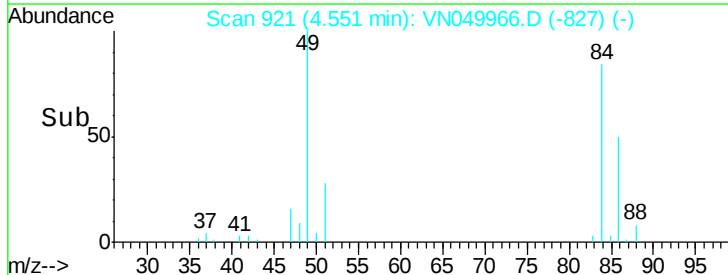
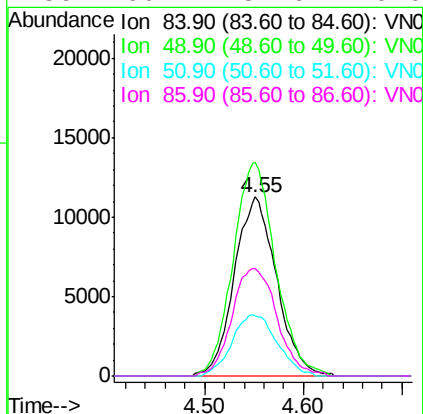
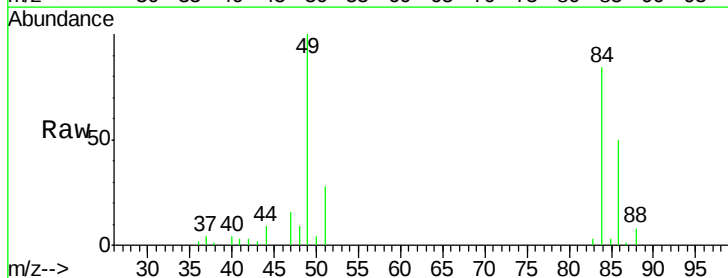
Instrument :
MSVOA_N
ClientSampleId :
PB111289ZHE#06

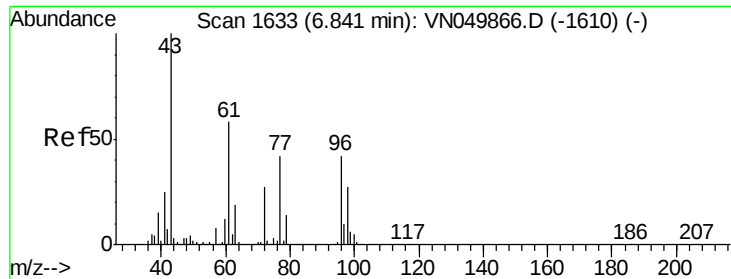
Tot Ion: 43 Resp: 26285
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8



#20
Methylene Chloride
Concen: 4.44 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049966.D
Acq: 20 Jul 2018 16:47

Tgt Ion: 84 Resp: 33483
Ion Ratio Lower Upper
84 100
49 119.3 95.4 143.2
51 33.8 28.4 42.6
86 60.1 52.6 79.0





#25

2-Butanone

Concen: 23.35 ug/l

RT: 6.85 min Scan# 1636

Delta R.T. 0.01 min

Lab File: VN049966.D

Acq: 20 Jul 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

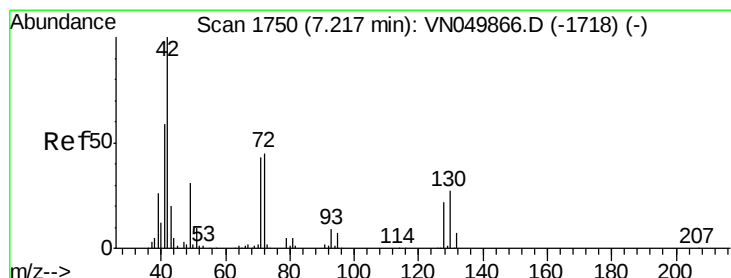
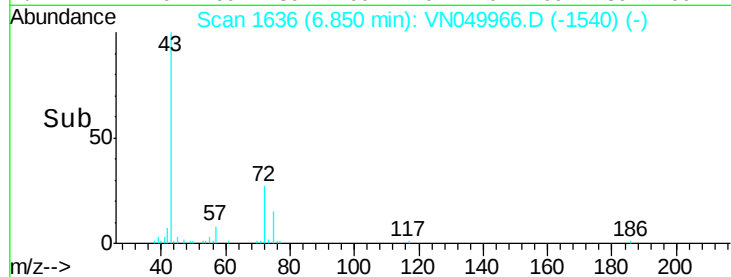
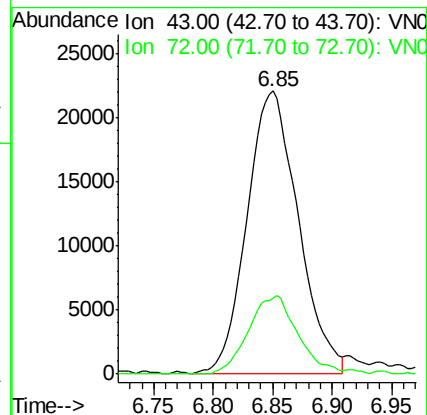
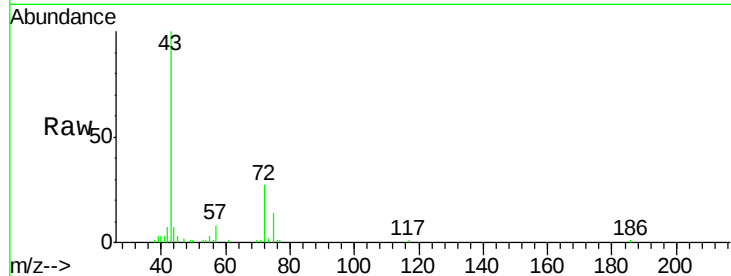
PB111289ZHE#06

Tot Ion: 43 Resp: 66172

Ion Ratio Lower Upper

43 100

72 26.7 22.1 33.1



#29

Tetrahydrofuran

Concen: 18.39 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049966.D

Acq: 20 Jul 2018 16:47

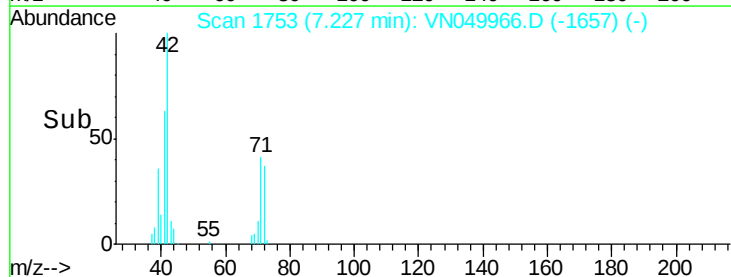
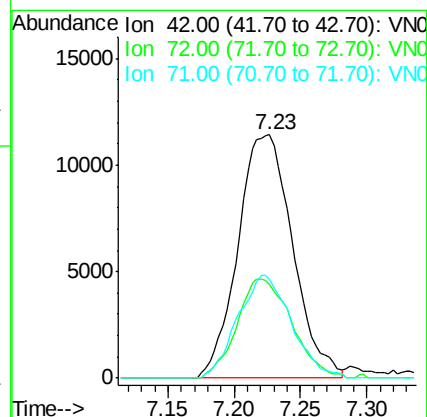
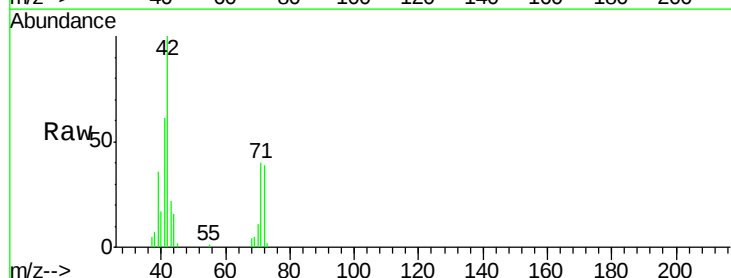
Tgt Ion: 42 Resp: 32830

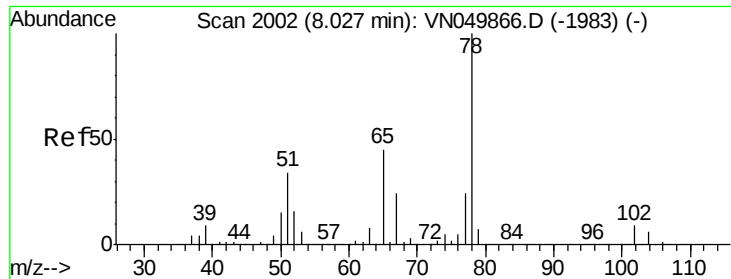
Ion Ratio Lower Upper

42 100

72 40.7 35.6 53.4

71 41.3 34.0 51.0

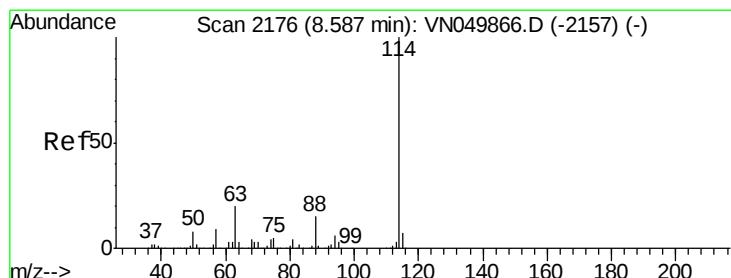
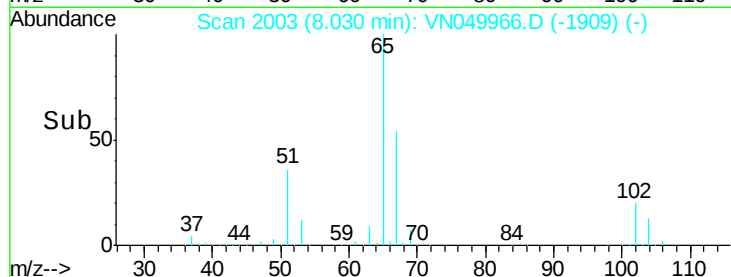
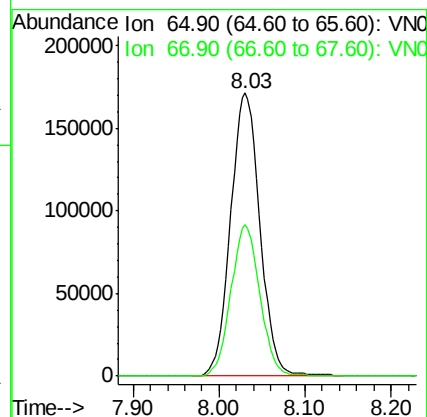
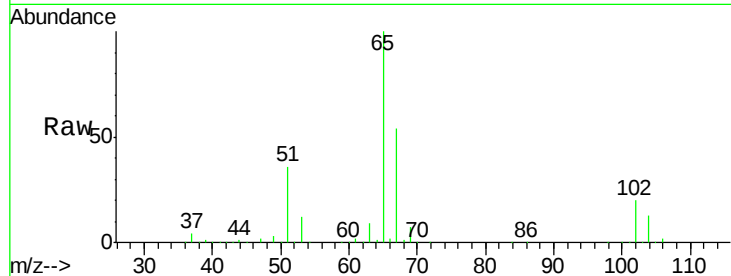




#33
 1,2-Dichloroethane-d4
 Concen: 52.92 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049966.D
 Acq: 20 Jul 2018 16:47

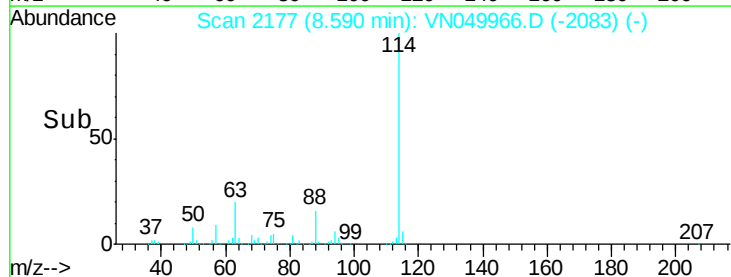
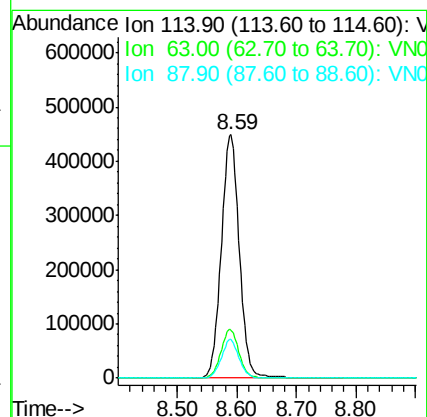
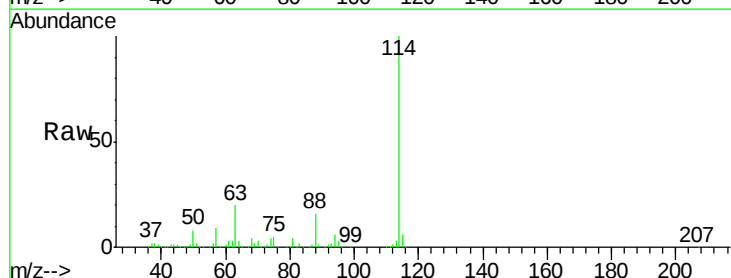
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 MSVOA_N
 ClientSampleId :
 PB111289ZHE#06

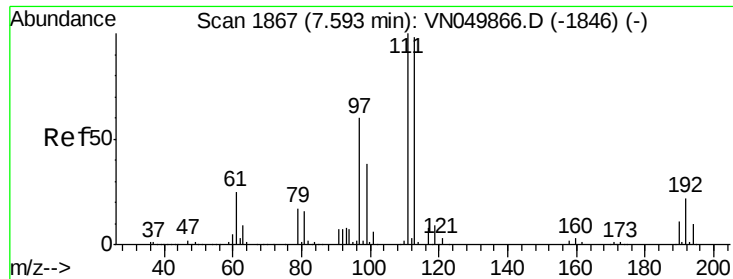
Tot Ion: 65 Resp: 405245
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049966.D
 Acq: 20 Jul 2018 16:47

Tgt Ion: 114 Resp: 939209
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.8 0.0 30.6

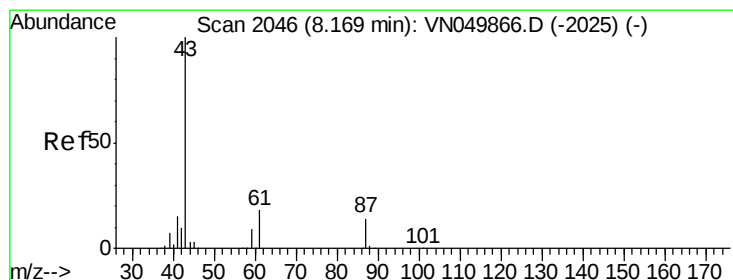
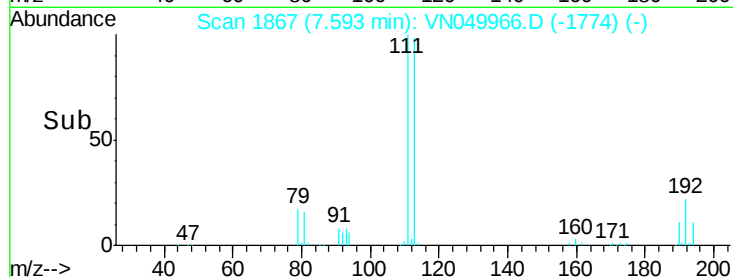
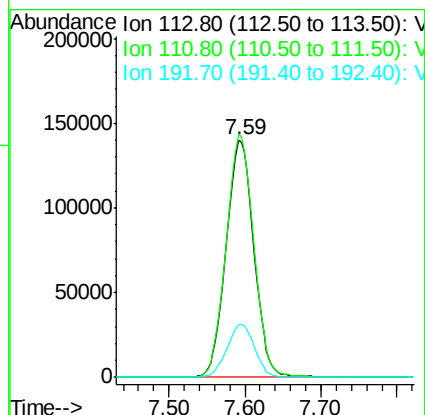
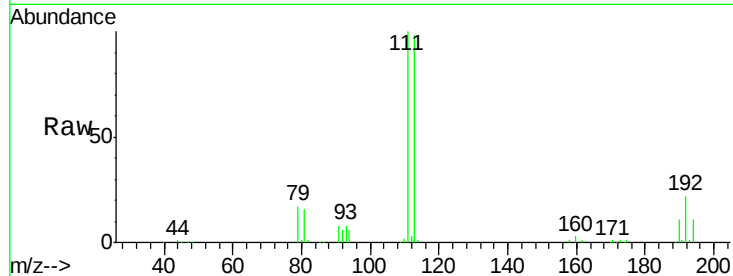




#35
 Dibromofluoromethane
 Concen: 45.23 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049966.D
 Acq: 20 Jul 2018 16:47

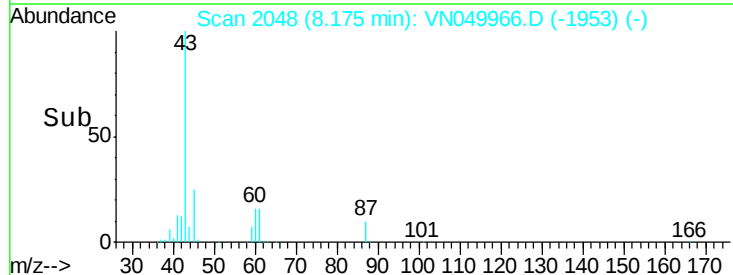
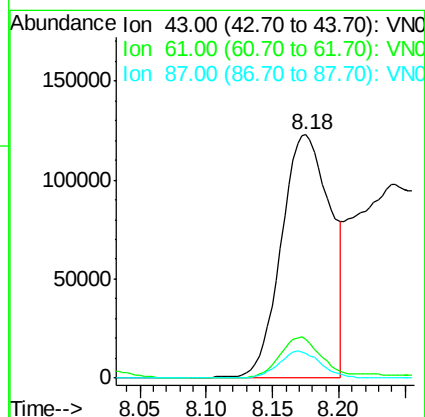
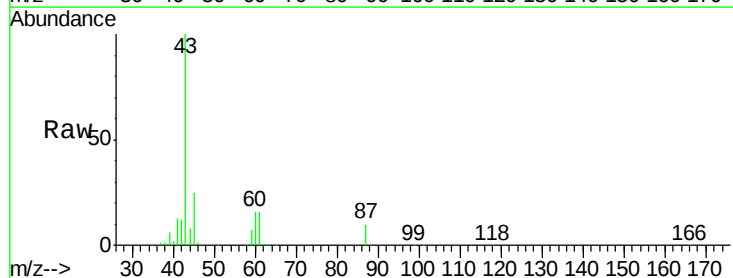
Instrument :
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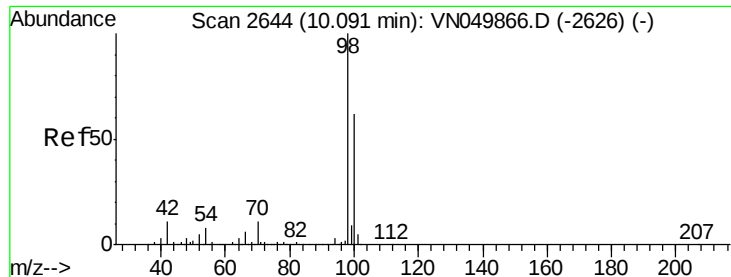
Tot Ion:113 Resp: 356644
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 22.2 17.8 26.6



#43
 Isopropyl Acetate
 Concen: 25.28 ug/l
 RT: 8.18 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN049966.D
 Acq: 20 Jul 2018 16:47

Tgt Ion: 43 Resp: 316756
 Ion Ratio Lower Upper
 43 100
 61 14.6 14.9 22.3#
 87 9.4 10.0 15.0#

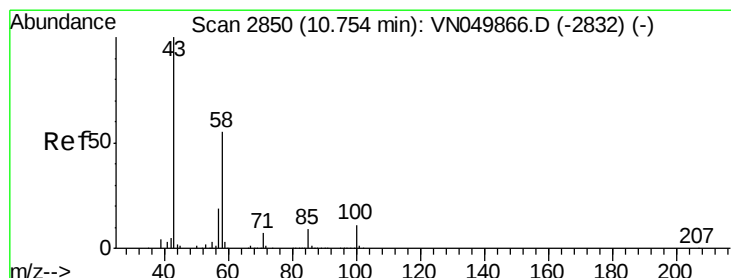
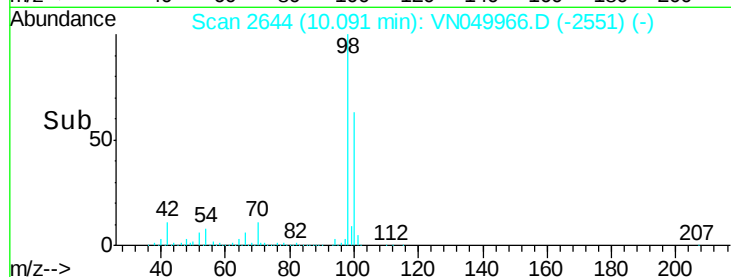
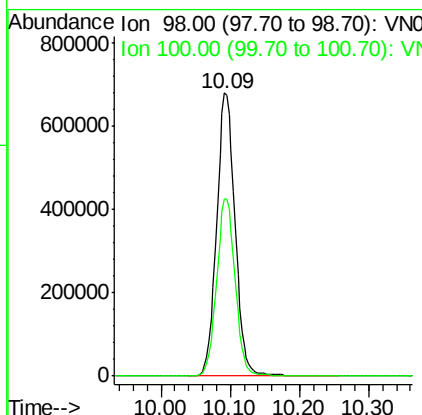
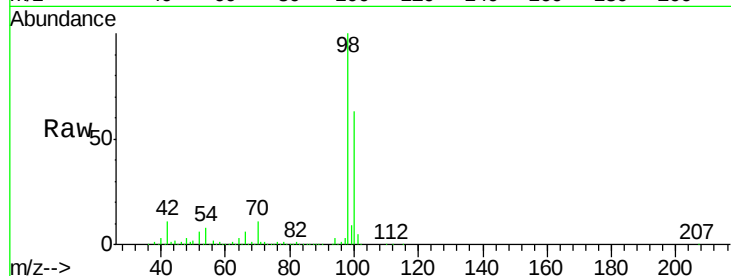




#50
Toluene-d8
Concen: 43.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049966.D
Acq: 20 Jul 2018 16:47

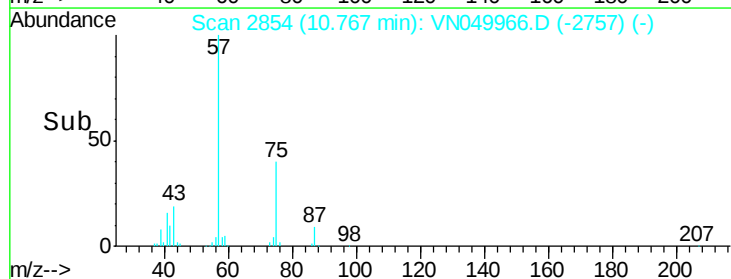
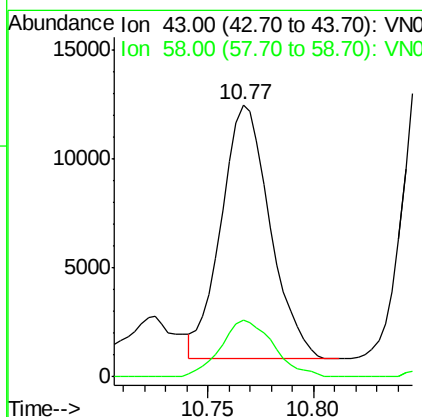
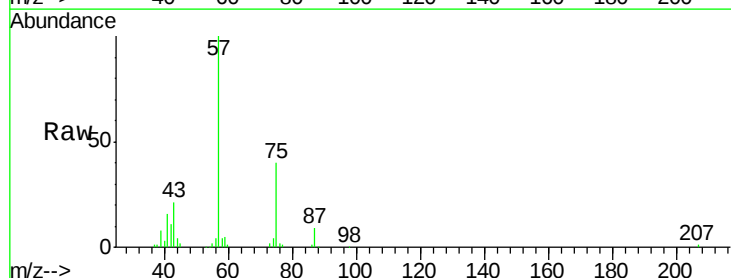
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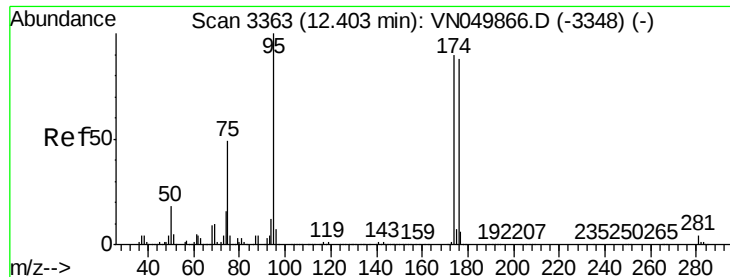
Tot Ion: 98 Resp: 1255821
Ion Ratio Lower Upper
98 100
100 62.9 51.7 77.5



#59
2-Hexanone
Concen: 3.99 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN049966.D
Acq: 20 Jul 2018 16:47

Tgt Ion: 43 Resp: 18779
Ion Ratio Lower Upper
43 100
58 24.1 27.8 83.4#





#62

4-Bromofluorobenzene

Concen: 34.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049966.D

Acq: 20 Jul 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#06

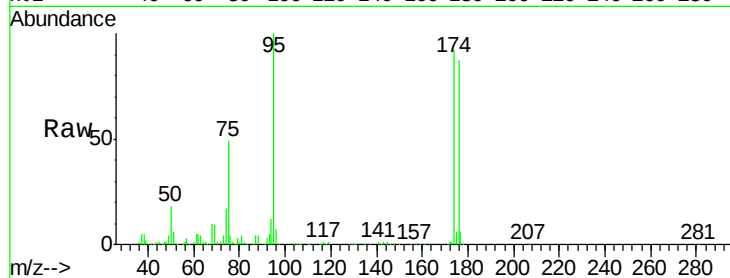
Tot Ion: 95 Resp: 336555

Ion Ratio Lower Upper

95 100

174 92.8 0.0 179.6

176 88.2 0.0 174.0



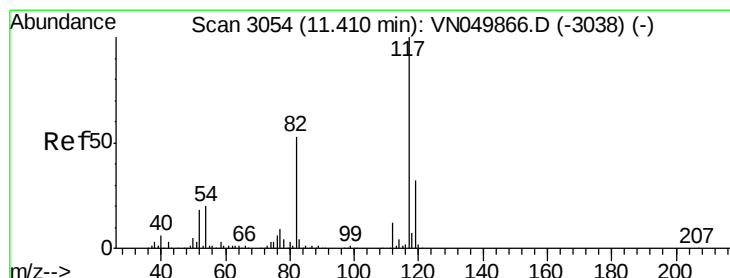
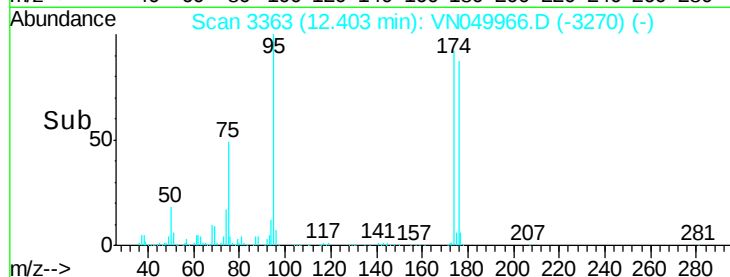
Abundance Ion 94.90 (94.60 to 95.60): VN049966.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN049966.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN049966.D (-3348) (-)

12.40

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049966.D

Acq: 20 Jul 2018 16:47

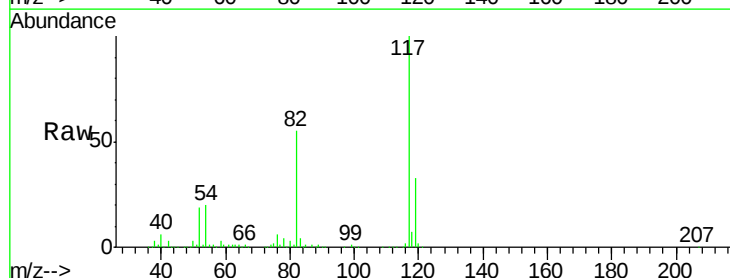
Tgt Ion: 117 Resp: 784029

Ion Ratio Lower Upper

117 100

82 54.7 41.9 62.9

119 32.5 25.4 38.2



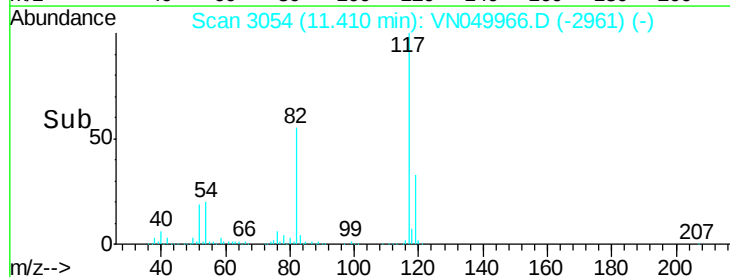
Abundance Ion 116.90 (116.60 to 117.60): VN049966.D (-3038) (-)

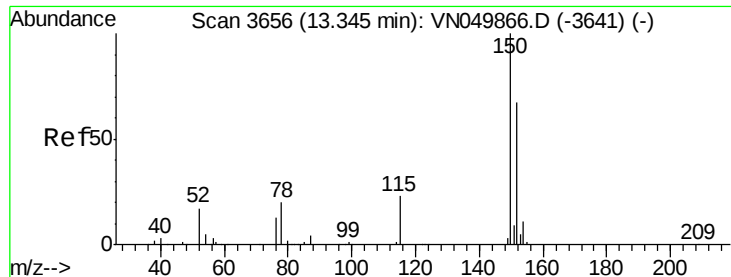
Ion 82.00 (81.70 to 82.70): VN049966.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049966.D (-3038) (-)

11.41

Time--> 11.30 11.40 11.50





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049966.D

Acq: 20 Jul 2018 16:47

Instrument :

MSVOA_N

ClientSampleId :

PB111289ZHE#06

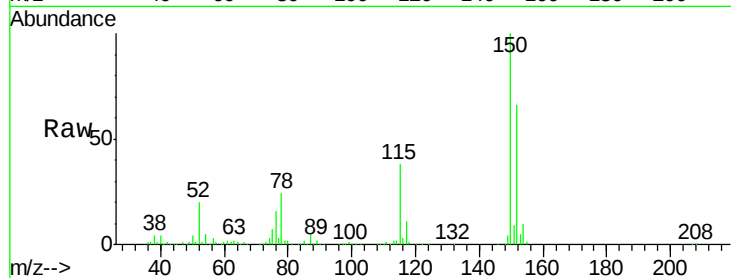
Tot Ion:152 Resp: 282022

Ion Ratio Lower Upper

152 100

115 56.1 28.1 84.2

150 155.2 0.0 347.6



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

