

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049925.D
 Acq On : 19 Jul 2018 19:00
 Operator : MD\SY
 Sample : PB111251ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#12

Quant Time: Jul 20 01:31:07 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	548261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	941945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	787433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404280	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	
35) Dibromofluoromethane	7.59	113	356981	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
50) Toluene-d8	10.09	98	1257192	43.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.26%	
62) 4-Bromofluorobenzene	12.40	95	341313	34.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.80%	

Target Compounds

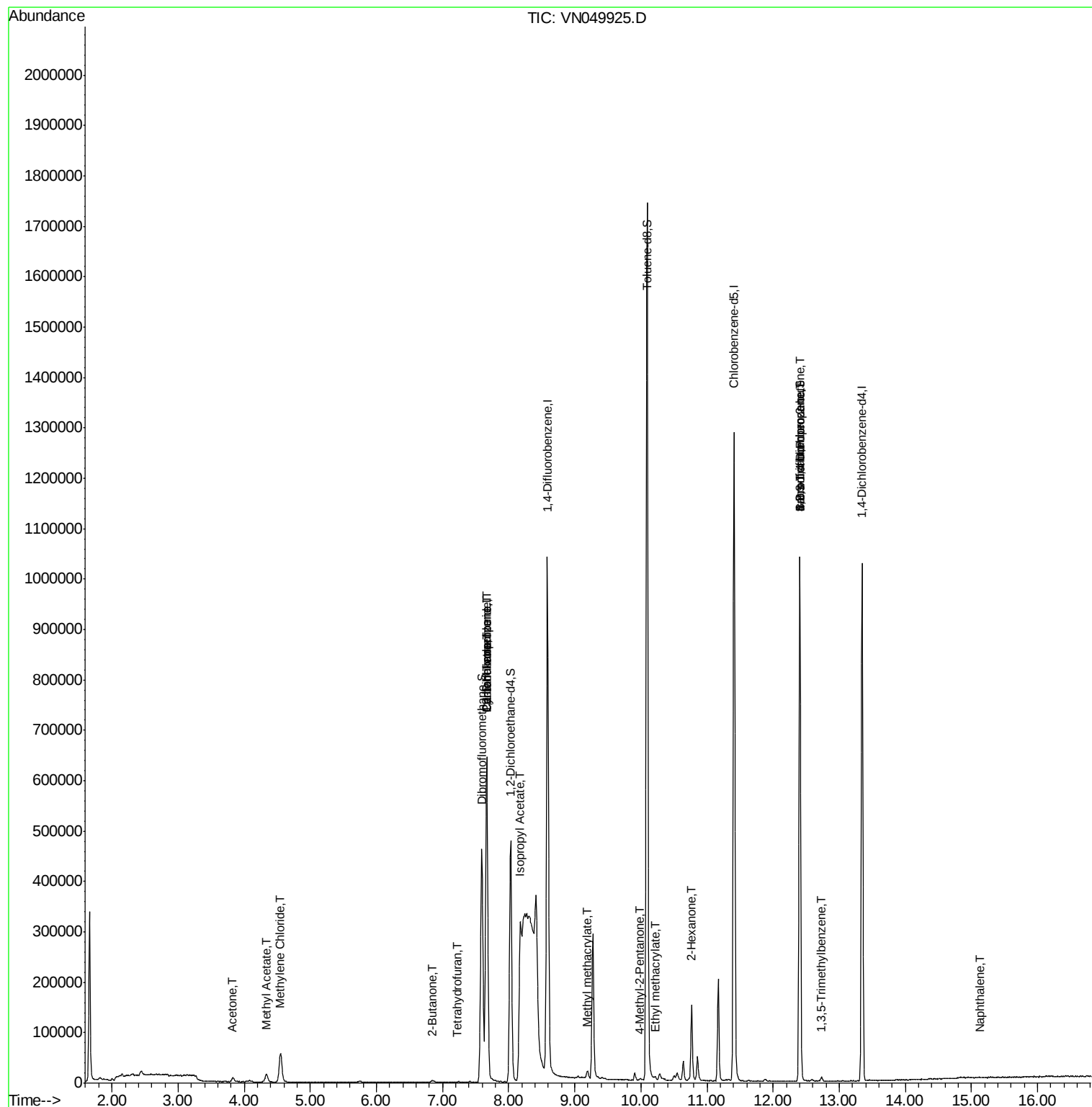
						Qvalue
5) Bromomethane	2.57	94	589	Below Cal	#	43
16) Acetone	3.83	43	16632	8.52	ug/l	97
18) Methyl Acetate	4.34	43	29504	4.05	ug/l	99
20) Methylene Chloride	4.55	84	43160	5.82	ug/l	98
25) 2-Butanone	6.84	43	1797	0.64	ug/l #	80
29) Tetrahydrofuran	7.21	42	718	0.41	ug/l #	32
31) Cyclohexane	7.66	56	10632	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38860	3.71	ug/l #	50
38) Carbon Tetrachloride	7.67	117	50420	4.49	ug/l #	17
43) Isopropyl Acetate	8.17	43	364282	28.99	ug/l #	89
48) Methyl methacrylate	9.18	41	8943	1.42	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	1633	0.23	ug/l #	85
56) Ethyl methacrylate	10.23	69	2817	2.41	ug/l #	75
59) 2-Hexanone	10.77	43	21233	4.50	ug/l #	57
71) Bromoform	12.40	173	2619	0.48	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	170120	31.32	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3939	0.22	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	170120	97.95	ug/l #	13
95) Naphthalene	15.13	128	205	4.51	ug/l #	69

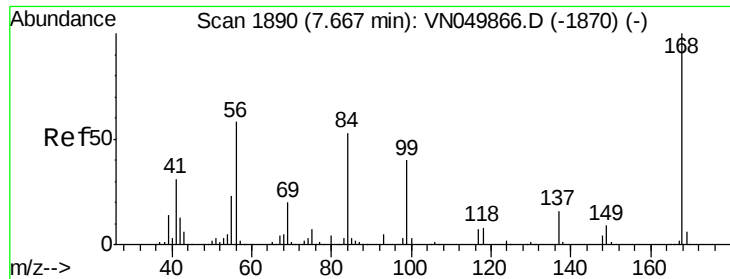
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1890

Delta R.T. 0.00 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

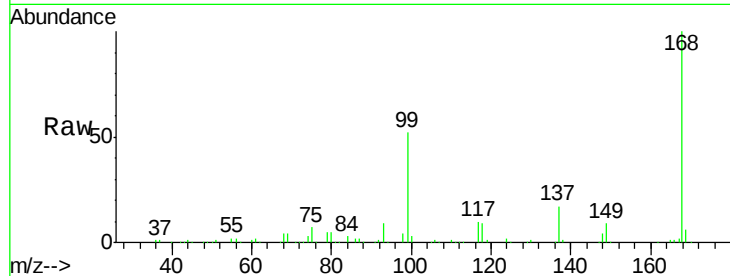
PB111251ZHE#12

Tot Ion:168 Resp: 548261

Ion Ratio Lower Upper

168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

100000

50000

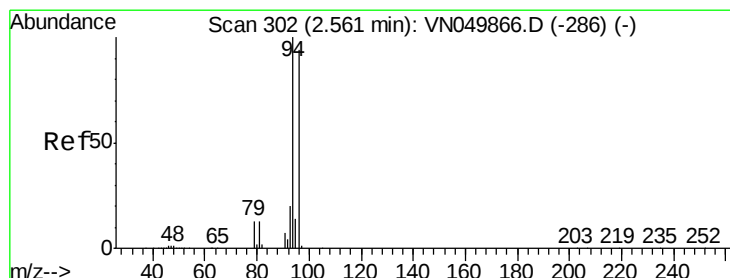
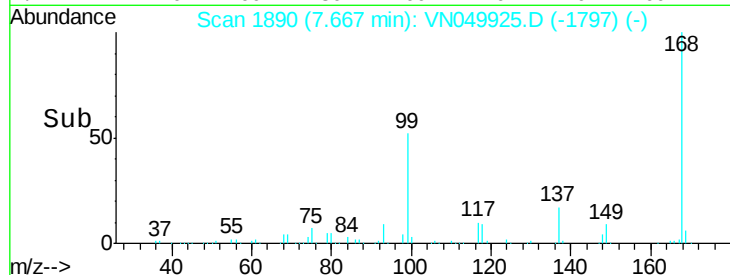
0

Time-->

7.60

7.70

7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049925.D

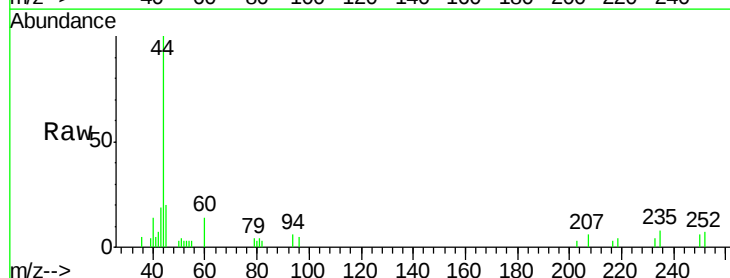
Acq: 19 Jul 2018 19:00

Tgt Ion: 94 Resp: 589

Ion Ratio Lower Upper

94 100

96 39.6 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

400

300

200

100

0

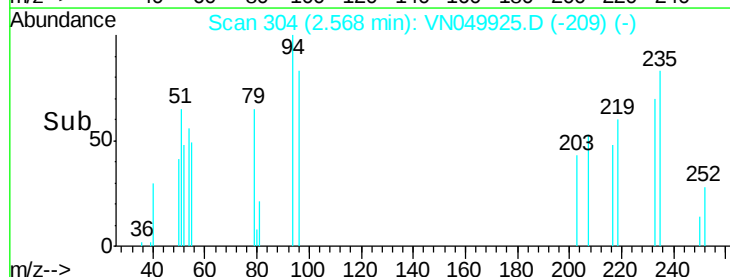
Time-->

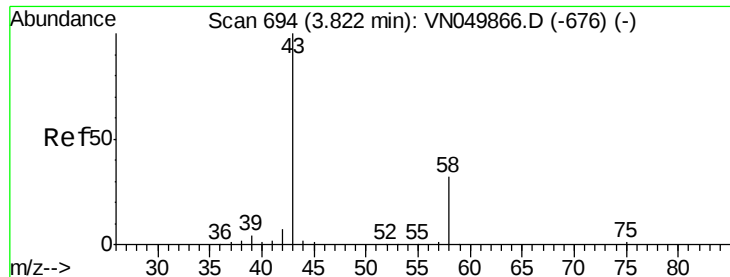
2.54

2.56

2.58

2.60





#16

Acetone

Concen: 8.52 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

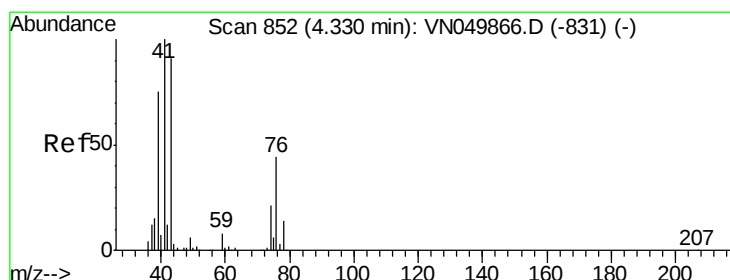
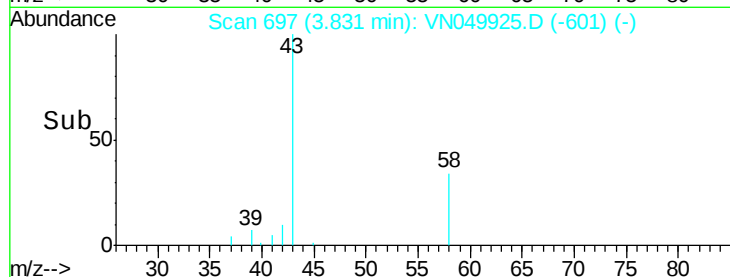
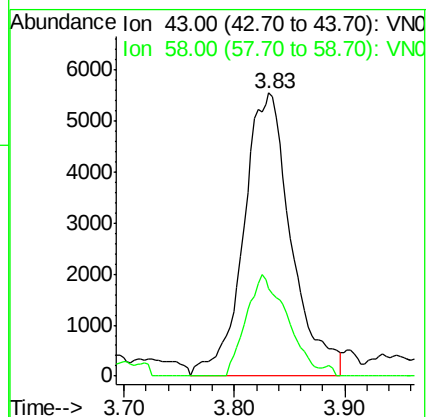
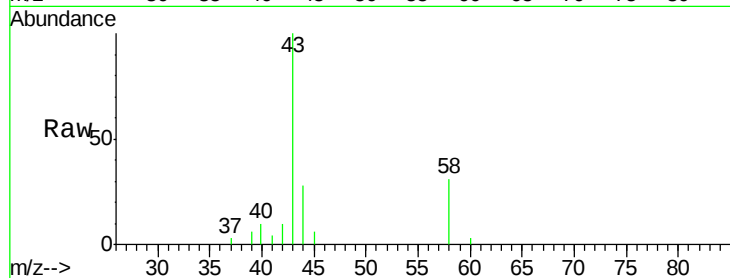
PB111251ZHE#12

Tot Ion: 43 Resp: 16632

Ion Ratio Lower Upper

43 100

58 30.9 25.9 38.9



#18

Methyl Acetate

Concen: 4.05 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049925.D

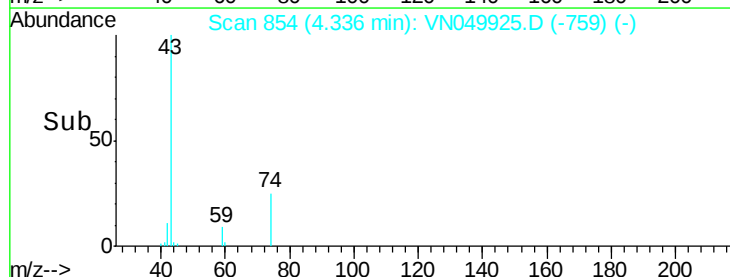
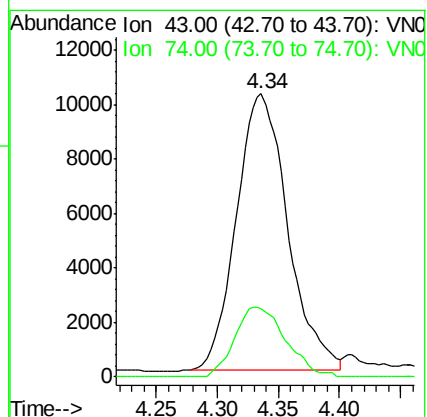
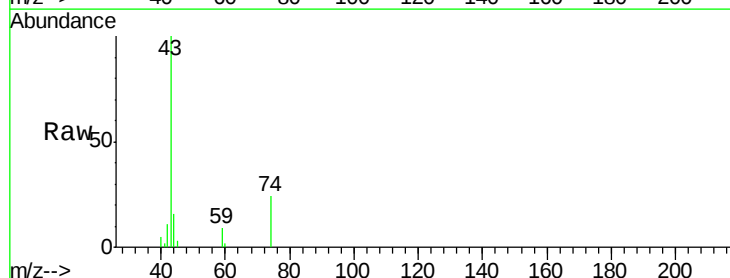
Acq: 19 Jul 2018 19:00

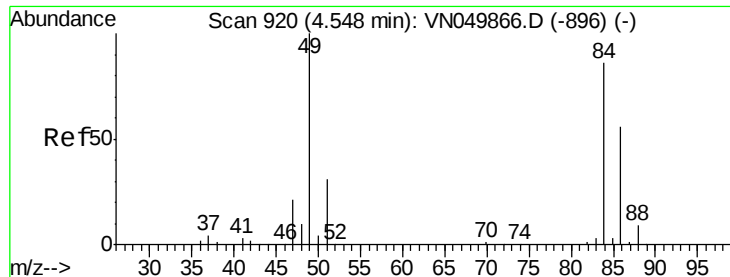
Tgt Ion: 43 Resp: 29504

Ion Ratio Lower Upper

43 100

74 25.3 19.8 29.8

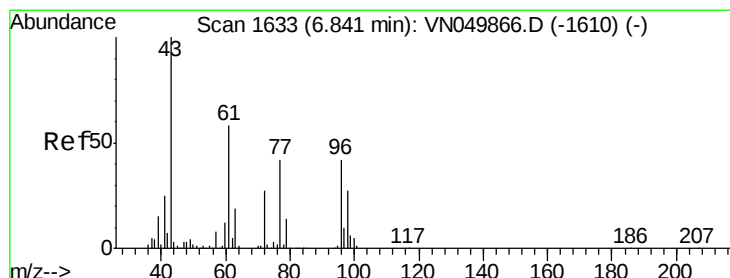
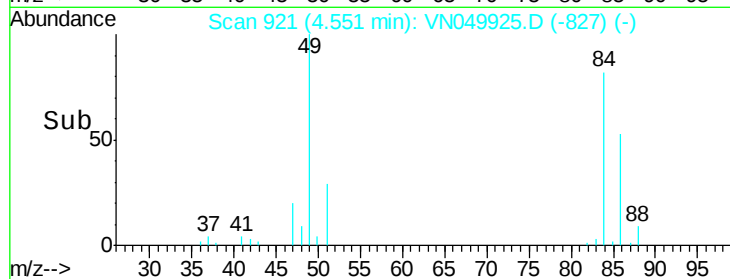
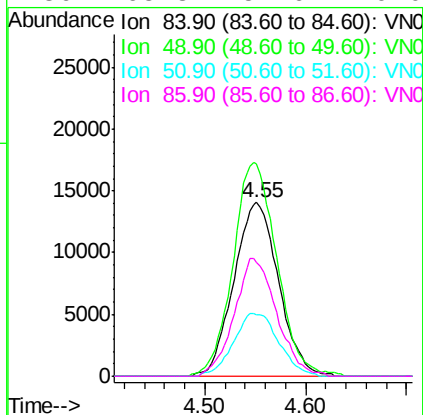
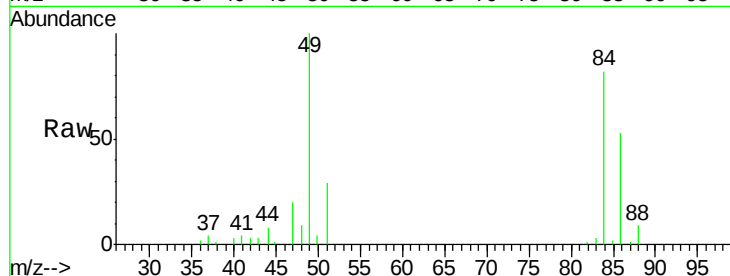




#20
Methvlene Chloride
Concen: 5.82 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049925.D
Acq: 19 Jul 2018 19:00

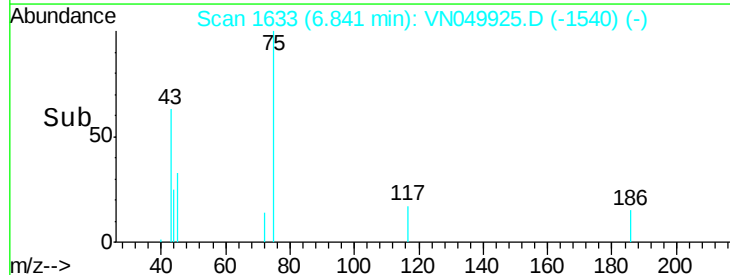
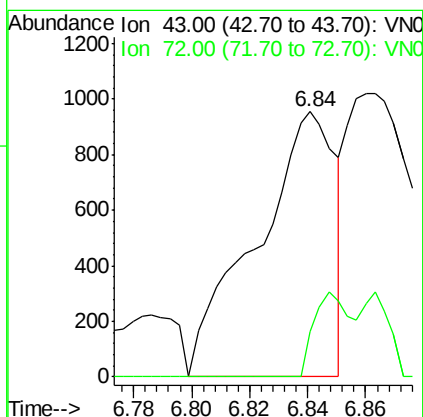
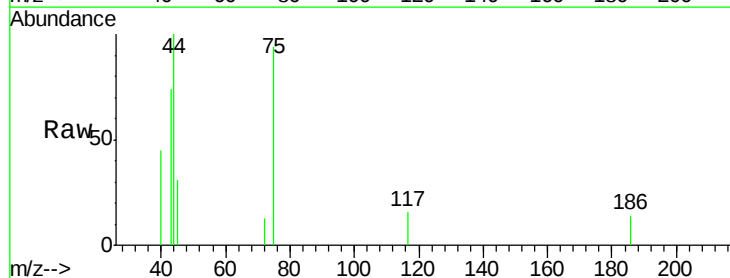
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#12

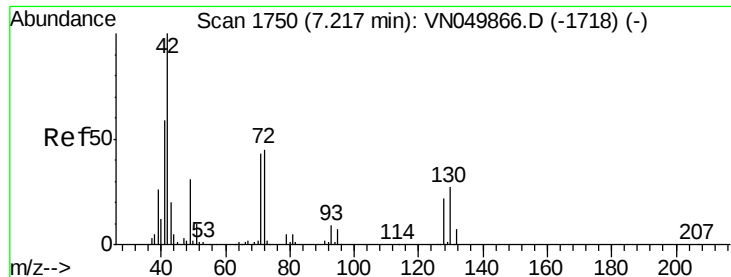
Tot Ion:	84	Resp:	43160
Ion	Ratio	Lower	Upper
84	100		
49	122.5	95.4	143.2
51	35.4	28.4	42.6
86	65.3	52.6	79.0



#25
2-Butanone
Concen: 0.64 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049925.D
Acq: 19 Jul 2018 19:00

Tgt Ion:	43	Resp:	1797
Ion	Ratio	Lower	Upper
43	100		
72	17.2	22.1	33.1#





#29

Tetrahydrofuran

Concen: 0.41 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#12

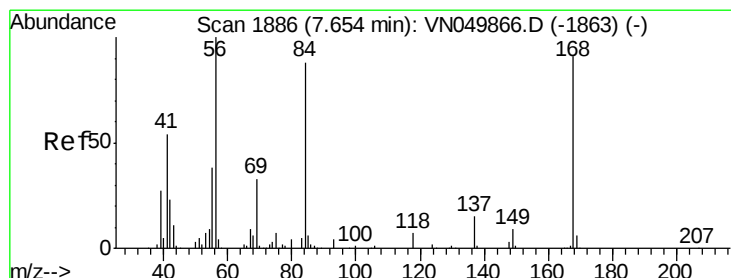
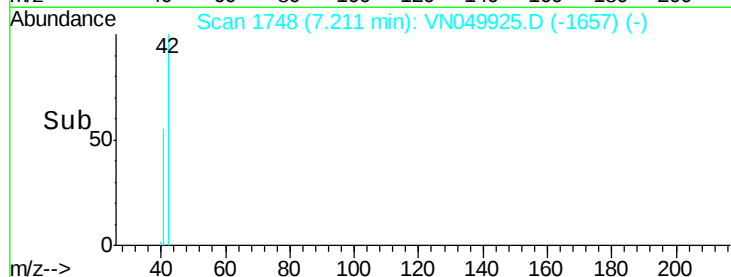
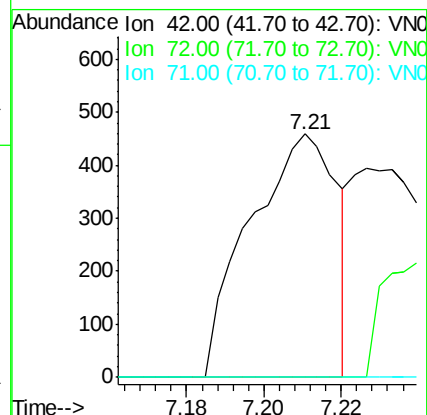
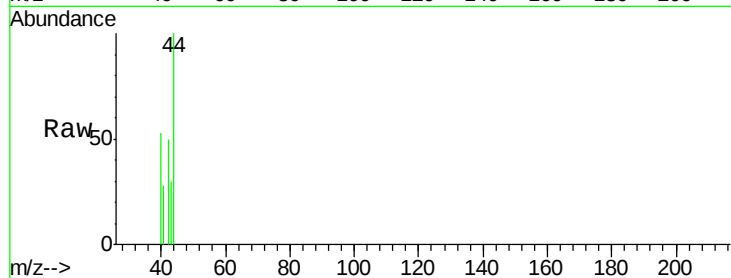
Tot Ion: 42 Resp: 718

Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

71 0.0 34.0 51.0#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

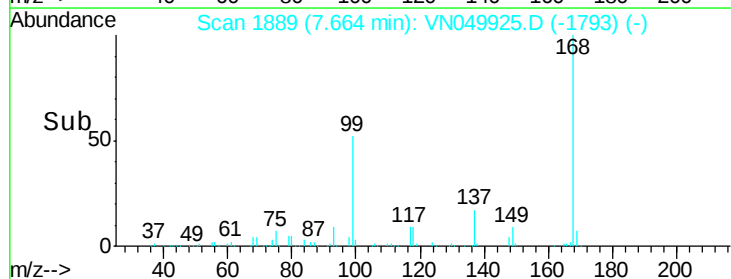
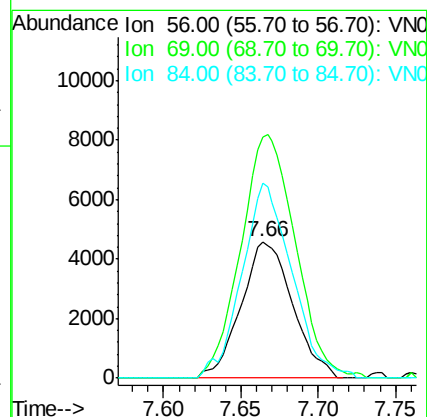
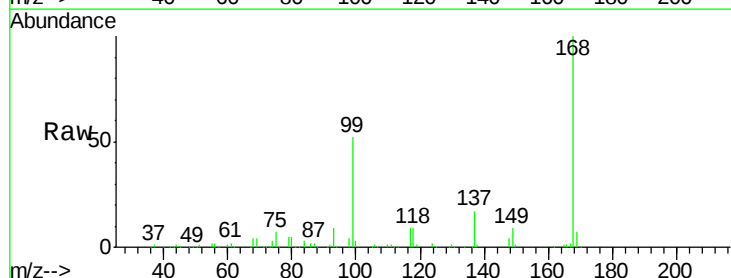
Tgt Ion: 56 Resp: 10632

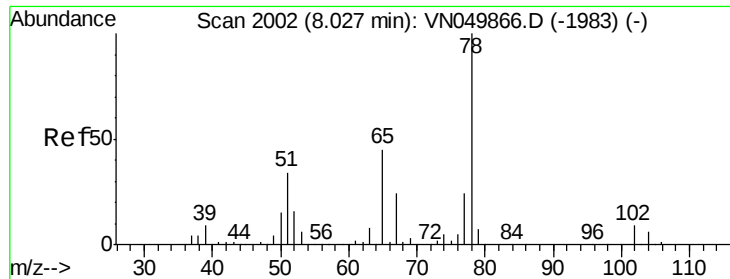
Ion Ratio Lower Upper

56 100

69 176.7 26.6 40.0#

84 142.5 69.0 103.6#

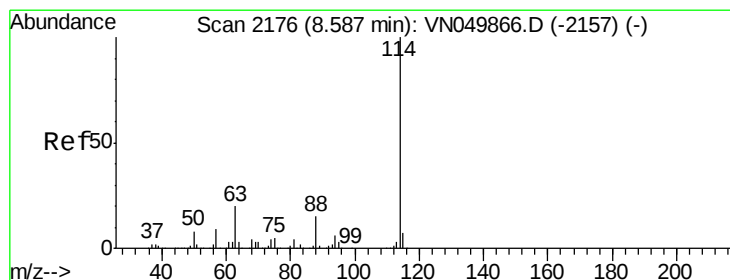
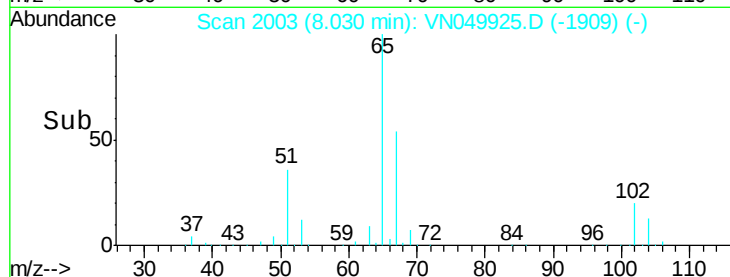
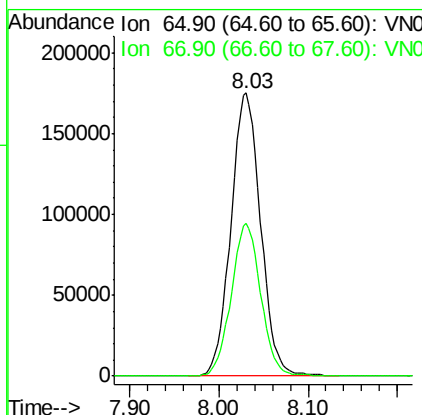
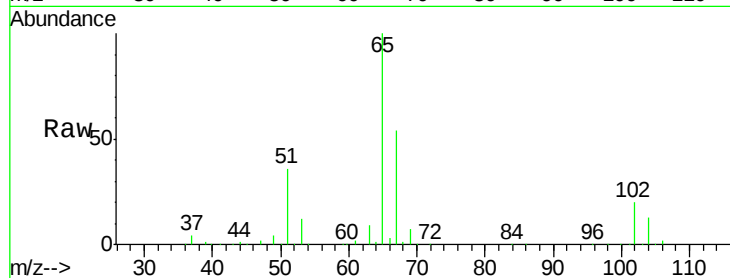




#33
 1,2-Dichloroethane-d4
 Concen: 53.65 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049925.D
 Acq: 19 Jul 2018 19:00

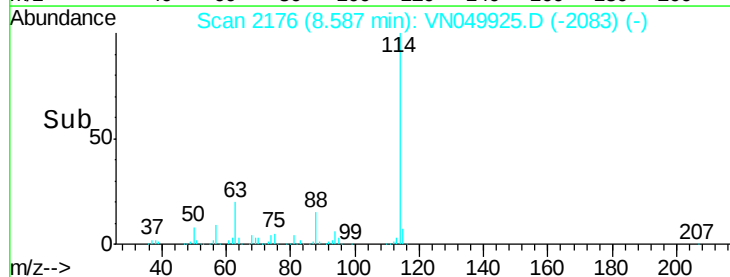
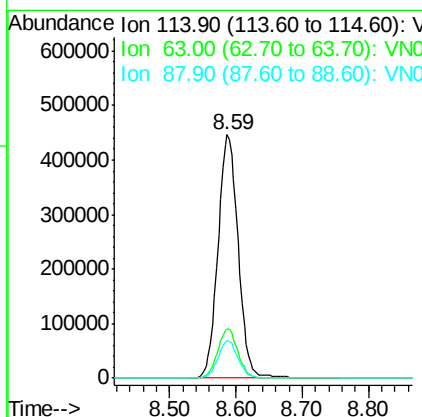
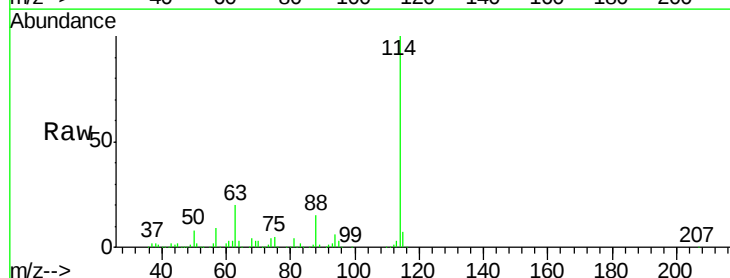
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#12

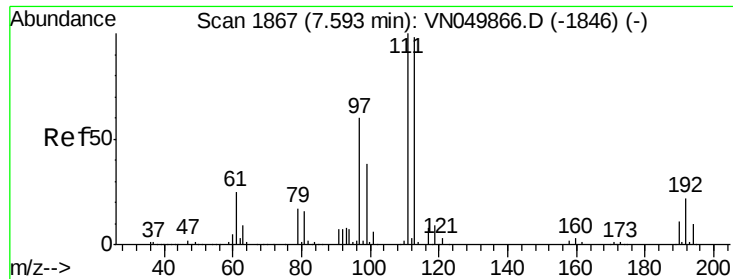
Tot Ion: 65 Resp: 404280
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049925.D
 Acq: 19 Jul 2018 19:00

Tgt Ion: 114 Resp: 941945
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.8
 88 15.4 0.0 30.6

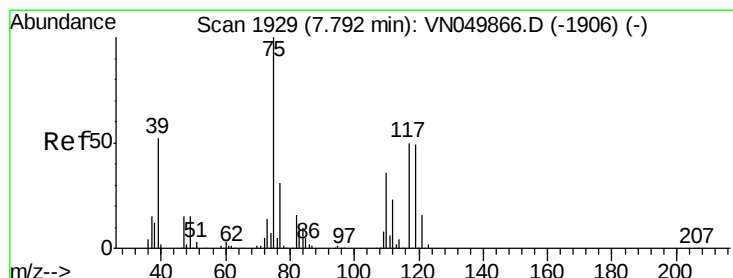
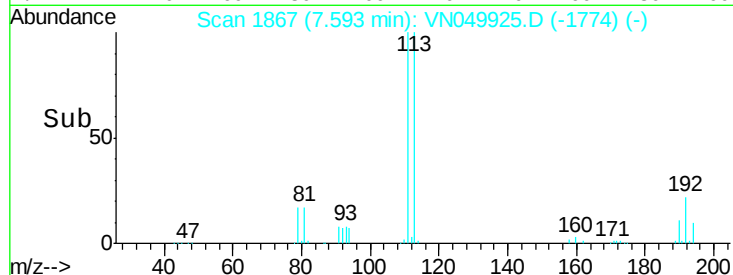
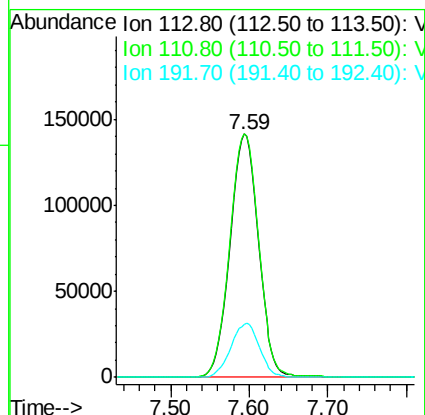
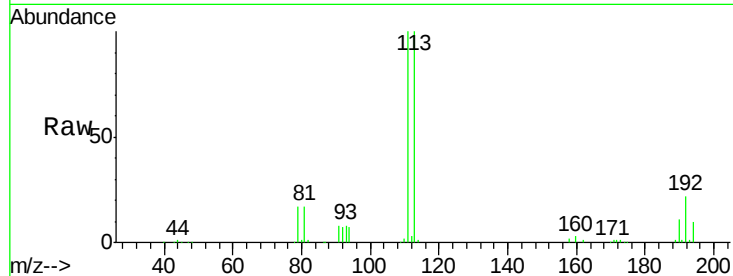




#35
 Dibromofluoromethane
 Concen: 45.14 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049925.D
 Acq: 19 Jul 2018 19:00

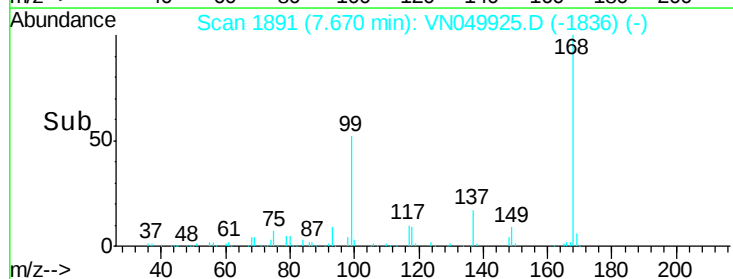
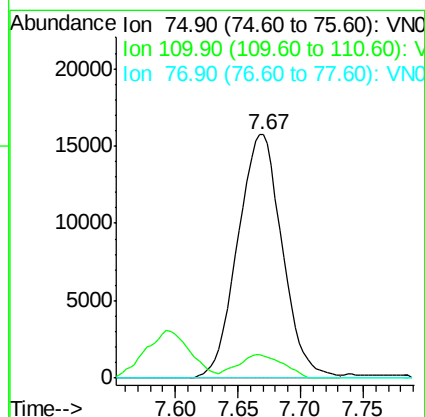
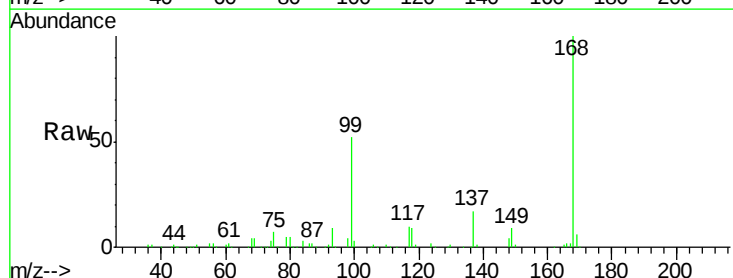
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#12

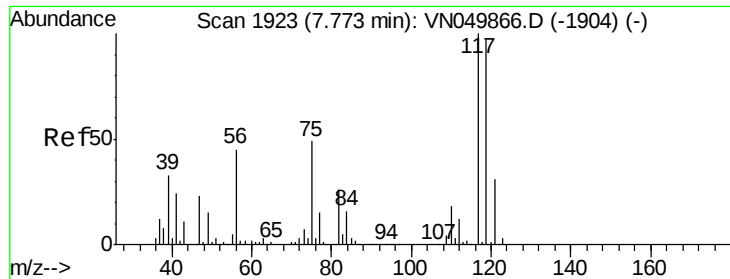
Tot Ion:113 Resp: 356981
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049925.D
 Acq: 19 Jul 2018 19:00

Tgt Ion: 75 Resp: 38860
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.1 54.4#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.49 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#12

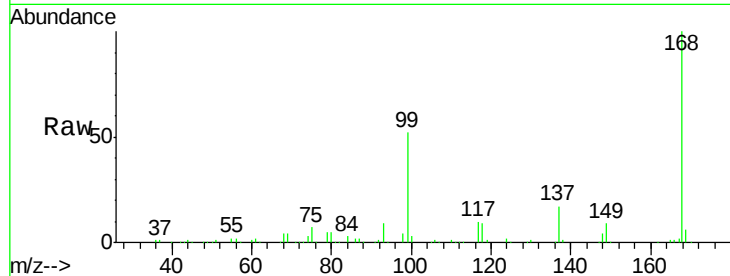
Tot Ion:117 Resp: 50420

Ion Ratio Lower Upper

117 100

119 6.3 77.2 115.8#

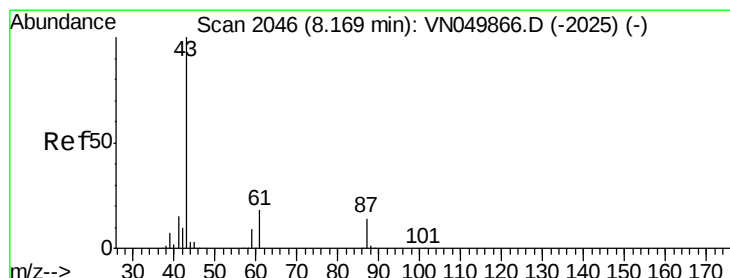
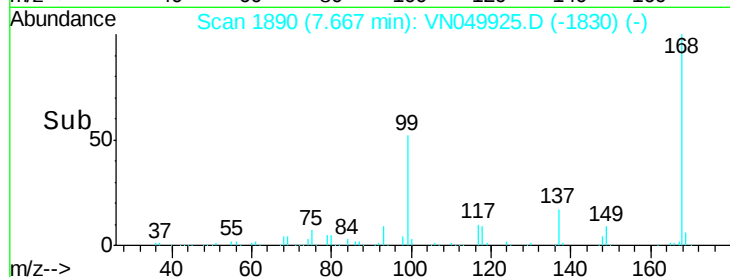
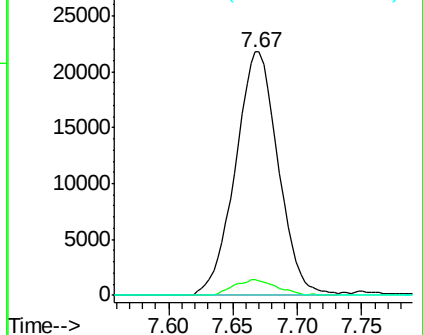
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 28.99 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

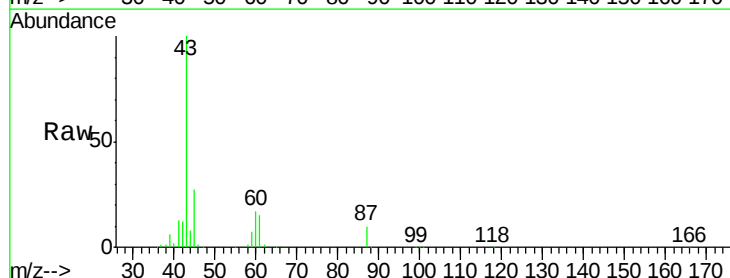
Tgt Ion: 43 Resp: 364282

Ion Ratio Lower Upper

43 100

61 13.7 14.9 22.3#

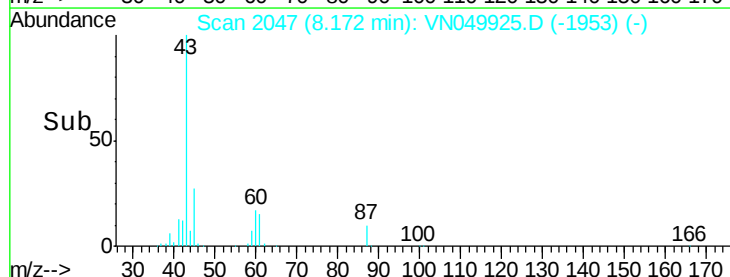
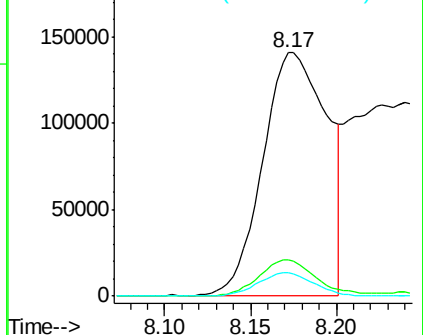
87 8.5 10.0 15.0#

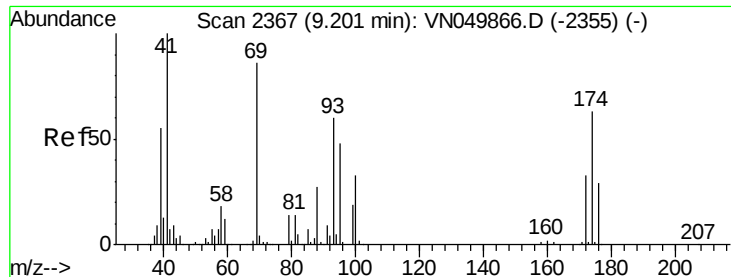


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

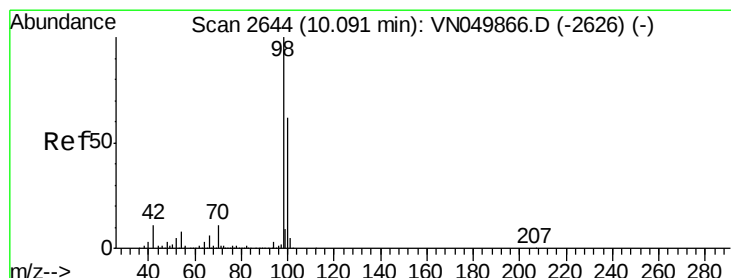
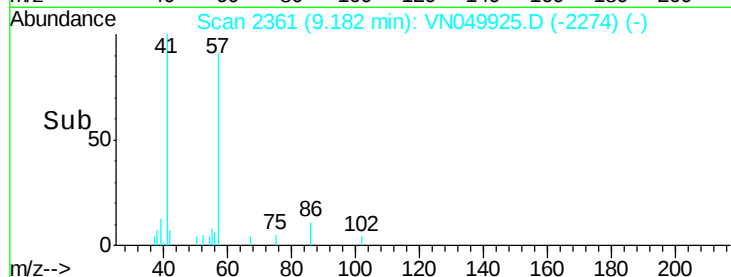
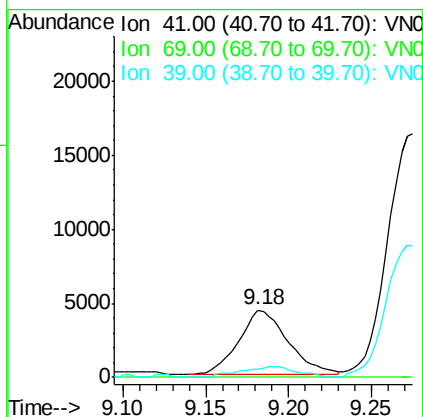
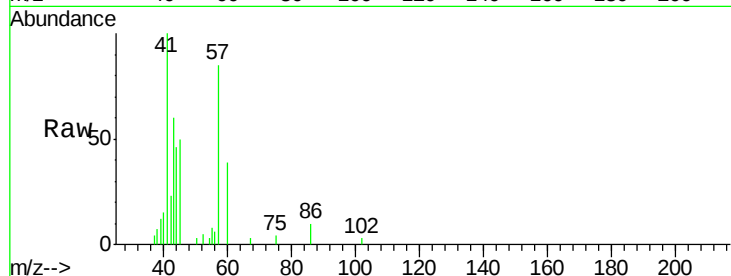




#48
Methvl methacrylate
Concen: 1.42 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049925.D
Acq: 19 Jul 2018 19:00

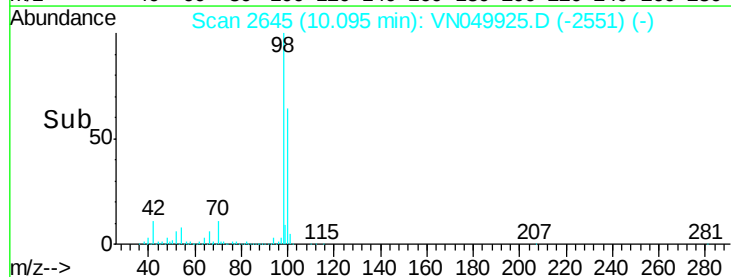
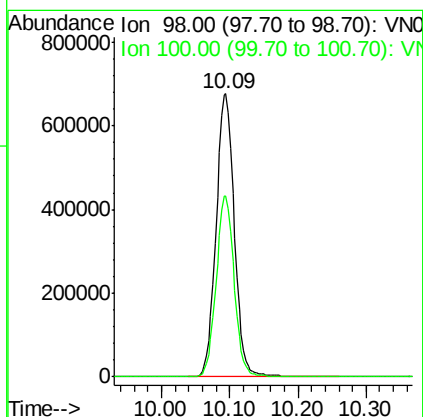
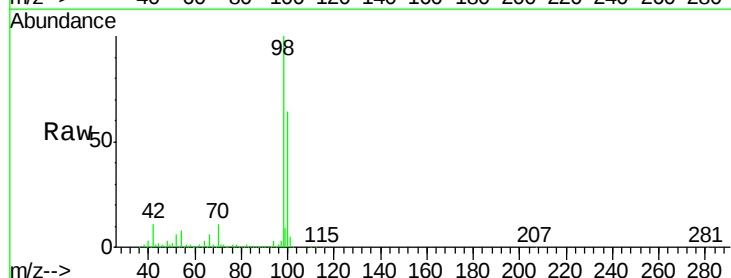
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#12

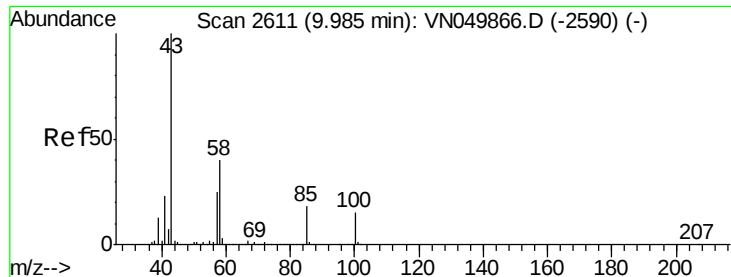
Tot Ion: 41 Resp: 8943
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 18.7 44.7 67.1#



#50
Toluene-d8
Concen: 43.63 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049925.D
Acq: 19 Jul 2018 19:00

Tgt Ion: 98 Resp: 1257192
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

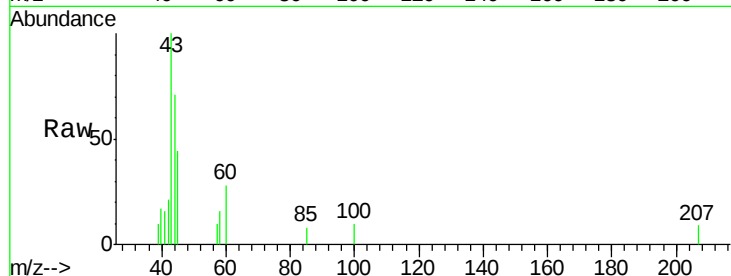
PB111251ZHE#12

Tot Ion: 43 Resp: 1633

Ion Ratio Lower Upper

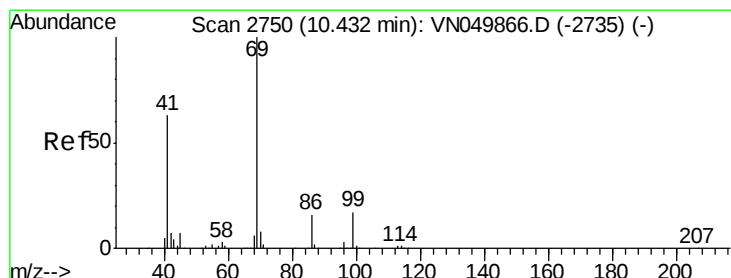
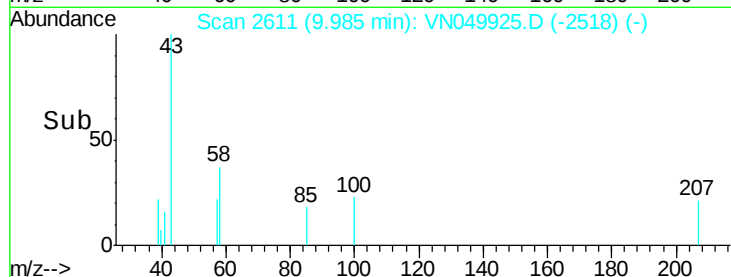
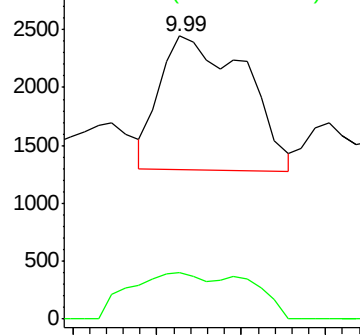
43 100

58 30.7 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#56

Ethyl methacrylate

Concen: 2.41 ug/l

RT: 10.23 min Scan# 2687

Delta R.T. -0.20 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

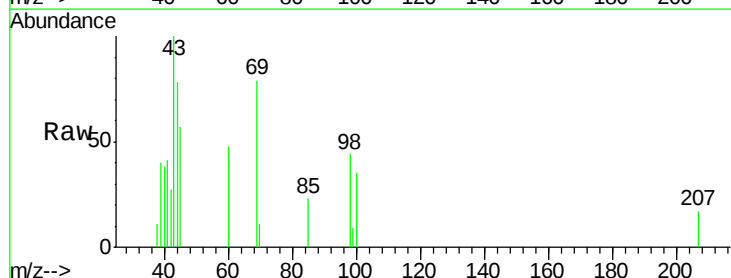
Tgt Ion: 69 Resp: 2817

Ion Ratio Lower Upper

69 100

41 41.4 51.6 77.4#

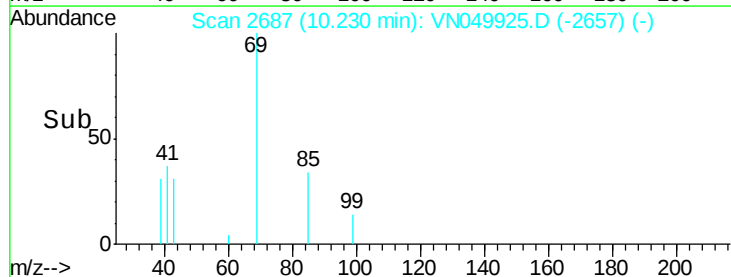
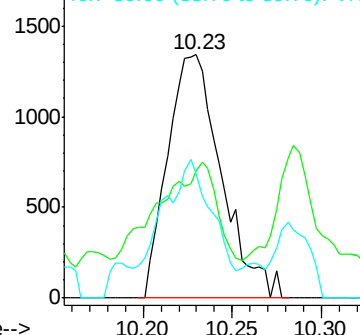
39 41.7 25.8 38.8#

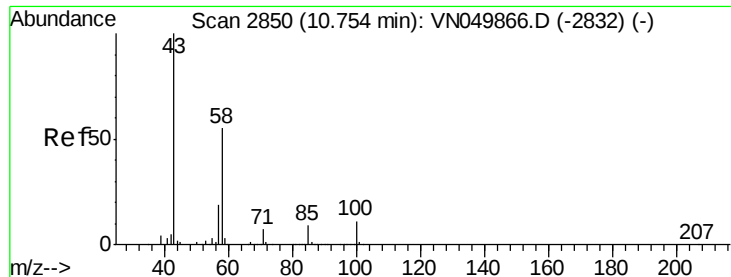


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 4.50 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

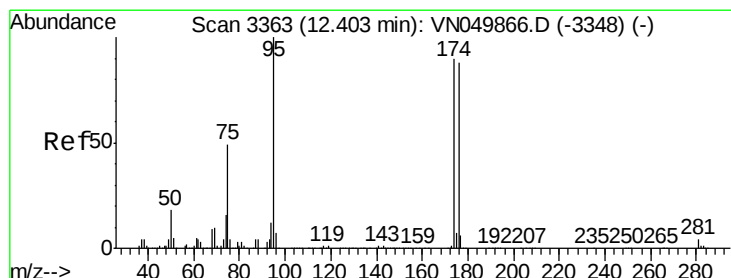
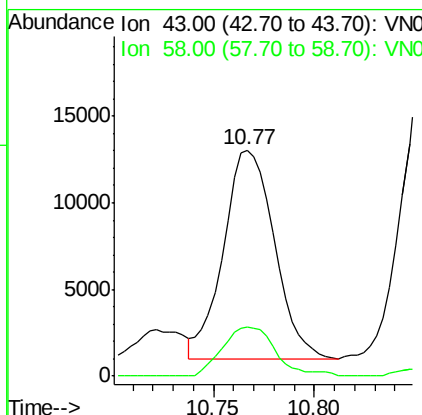
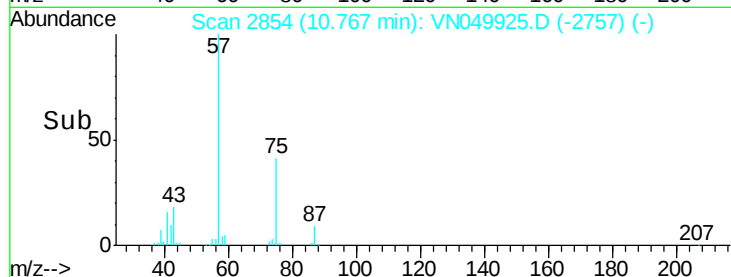
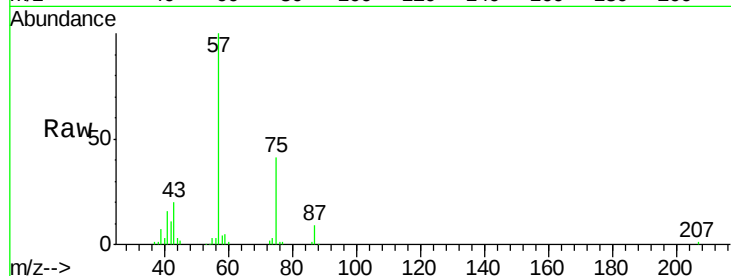
PB111251ZHE#12

Tot Ion: 43 Resp: 21233

Ion Ratio Lower Upper

43 100

58 24.6 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

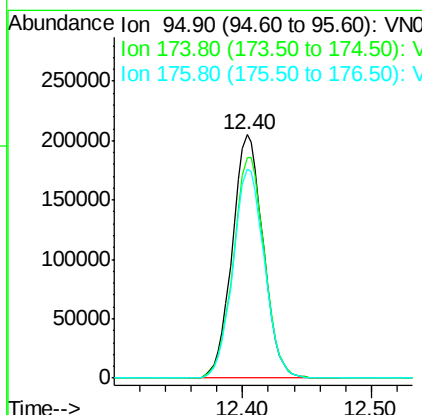
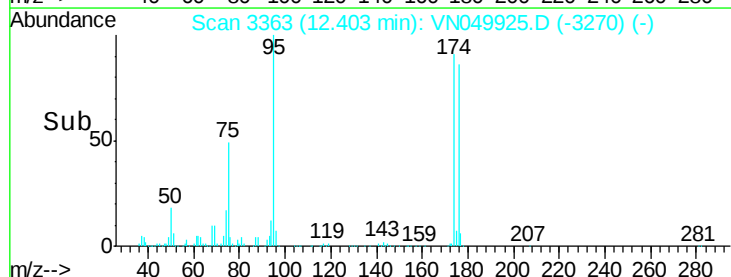
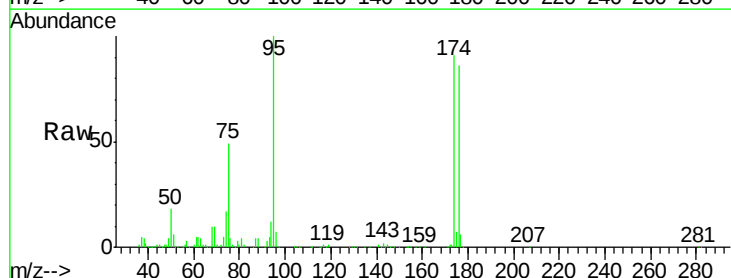
Tgt Ion: 95 Resp: 341313

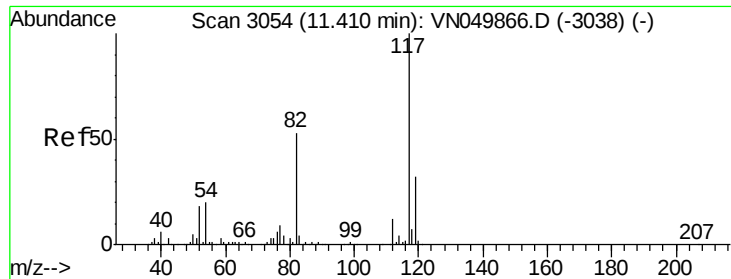
Ion Ratio Lower Upper

95 100

174 92.2 0.0 179.6

176 86.9 0.0 174.0

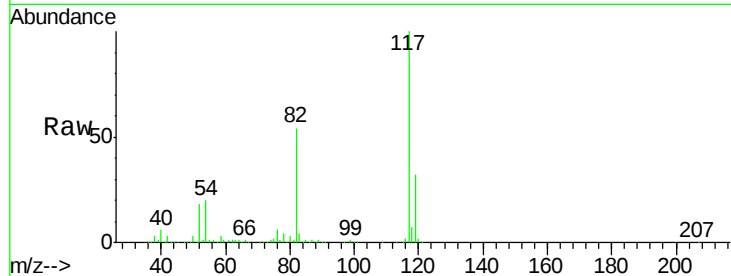




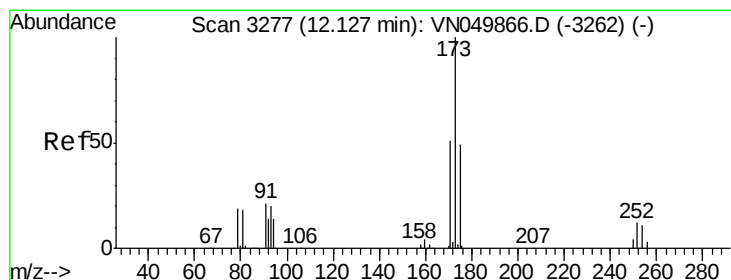
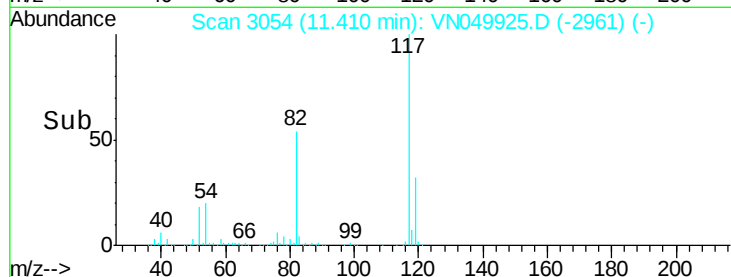
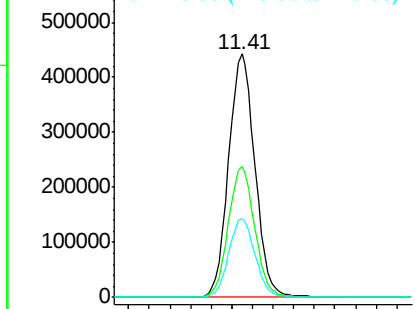
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049925.D
Acq: 19 Jul 2018 19:00

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#12

Tot Ion:117 Resp: 787433
Ion Ratio Lower Upper
117 100
82 53.7 41.9 62.9
119 32.5 25.4 38.2

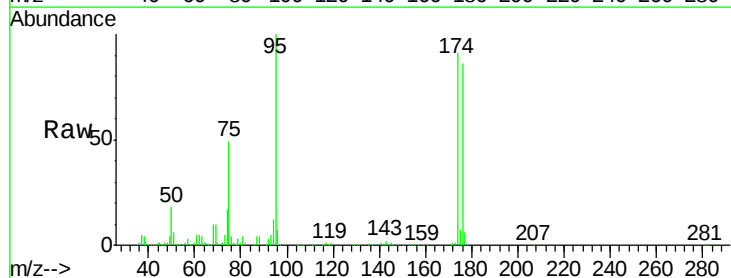


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

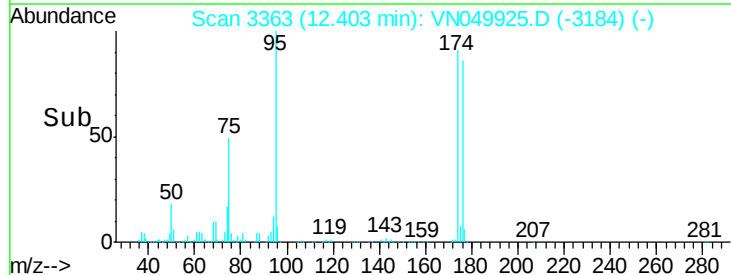
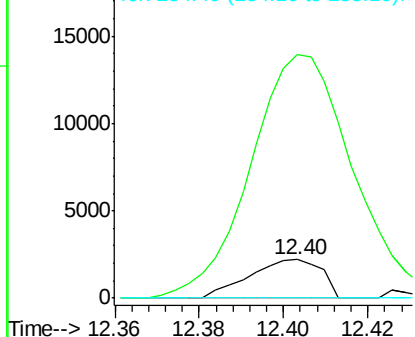


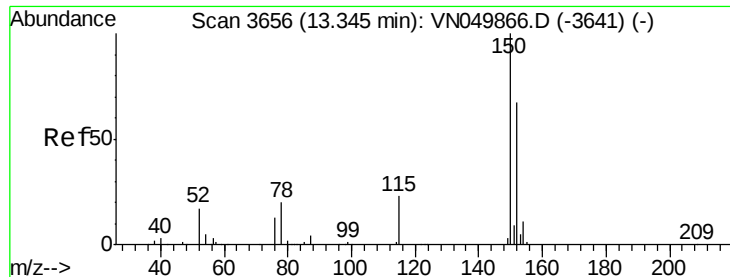
#71
Bromoform
Concen: 0.48 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049925.D
Acq: 19 Jul 2018 19:00

Tgt Ion:173 Resp: 2619
Ion Ratio Lower Upper
173 100
175 727.5 24.6 73.8#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#12

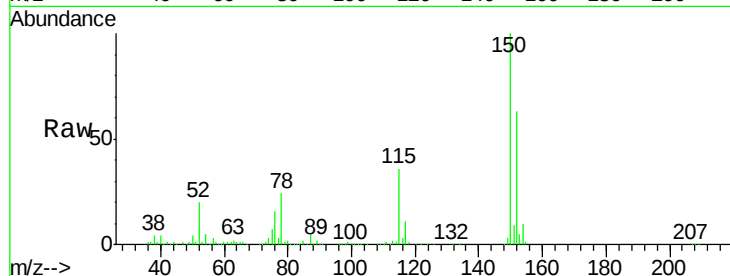
Tot Ion:152 Resp: 289513

Ion Ratio Lower Upper

152 100

115 56.8 28.1 84.2

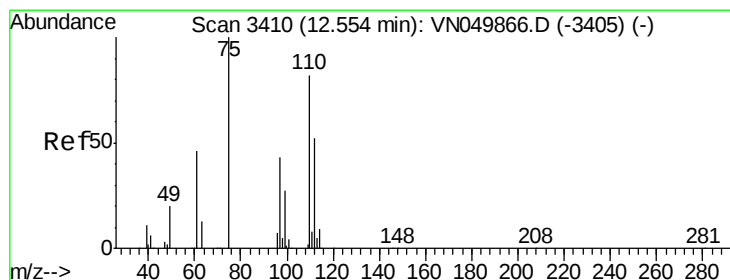
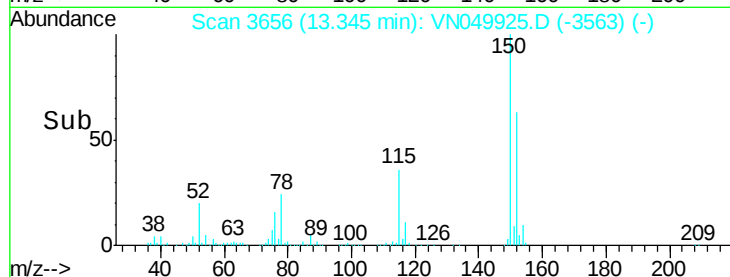
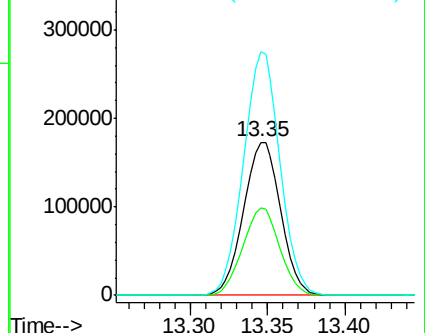
150 156.3 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 31.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049925.D

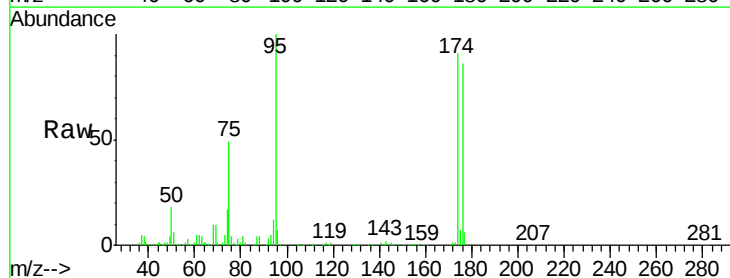
Acq: 19 Jul 2018 19:00

Tgt Ion: 75 Resp: 170120

Ion Ratio Lower Upper

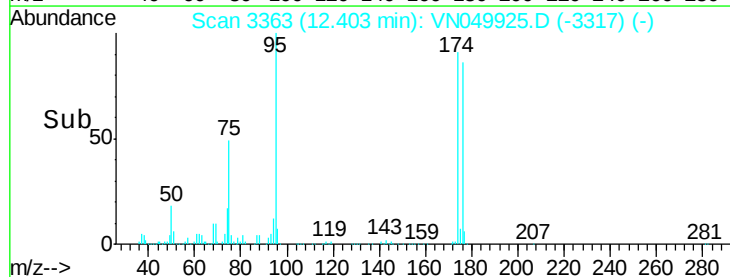
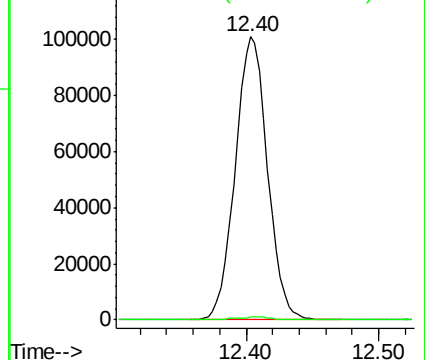
75 100

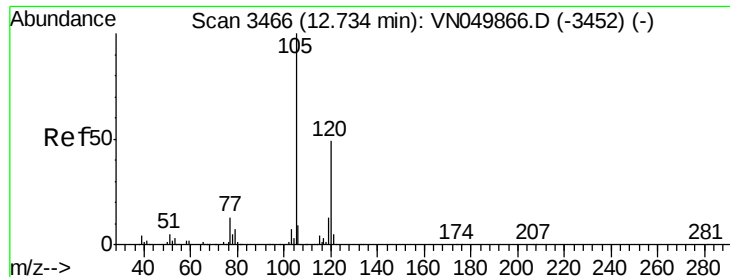
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.22 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

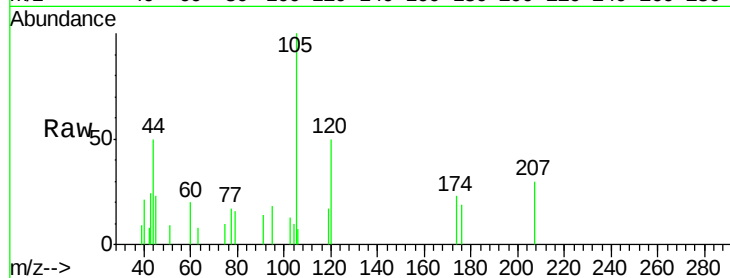
PB111251ZHE#12

Tot Ion:105 Resp: 3939

Ion Ratio Lower Upper

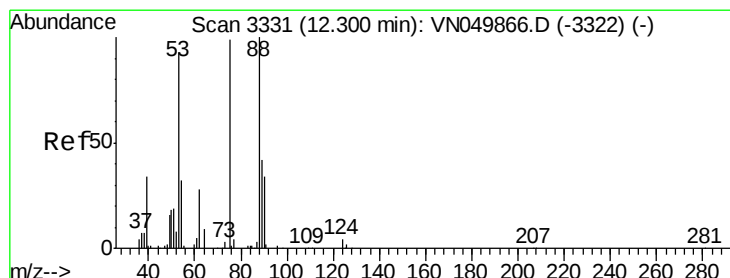
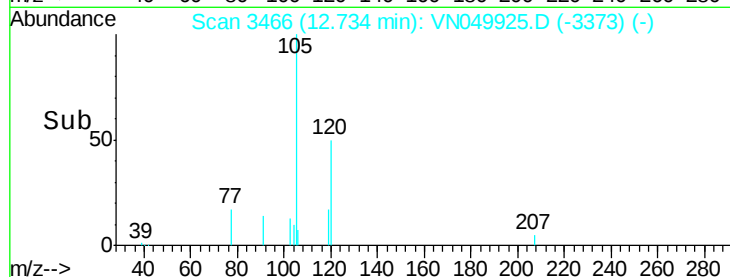
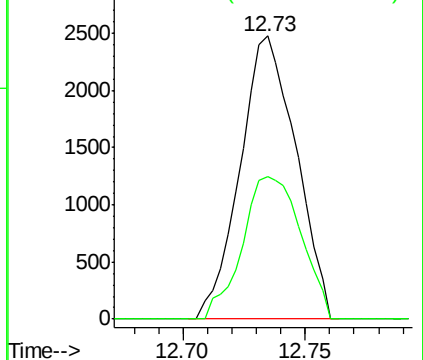
105 100

120 52.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 97.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049925.D

Acq: 19 Jul 2018 19:00

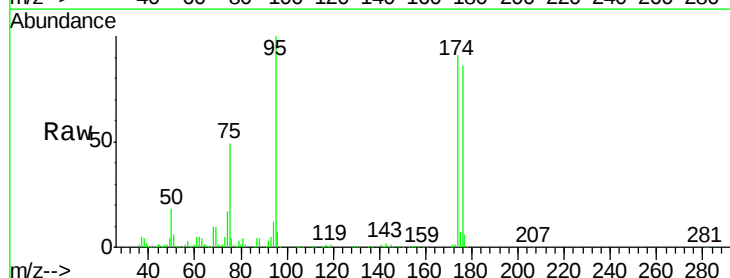
Tgt Ion: 75 Resp: 170120

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

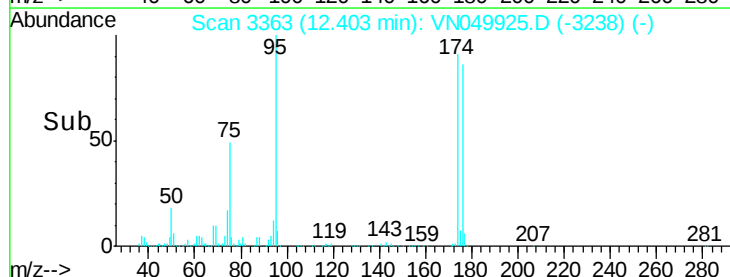
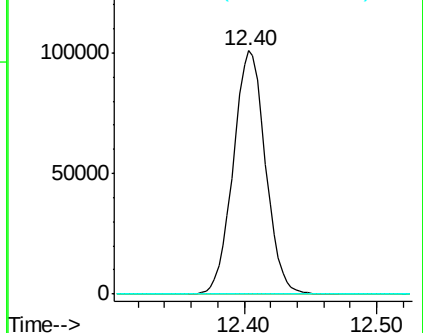
89 0.0 35.9 53.9#

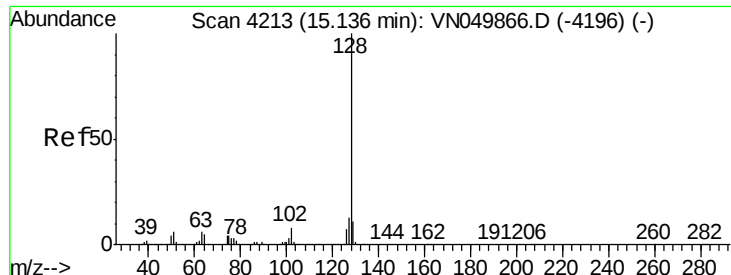


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049925.D

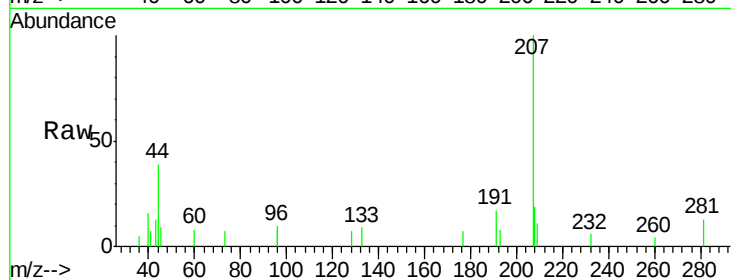
Acq: 19 Jul 2018 19:00

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#12



Tot Ion:	128	Resp:	205
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

