

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049922.D
 Acq On : 19 Jul 2018 17:42
 Operator : MD\SY
 Sample : PB111251ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#09

Quant Time: Jul 20 01:30:23 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	561308	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	951694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405349	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	358408	44.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.72%	
50) Toluene-d8	10.09	98	1256863	43.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.36%	
62) 4-Bromofluorobenzene	12.40	95	345808	34.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	68.98%	

Target Compounds

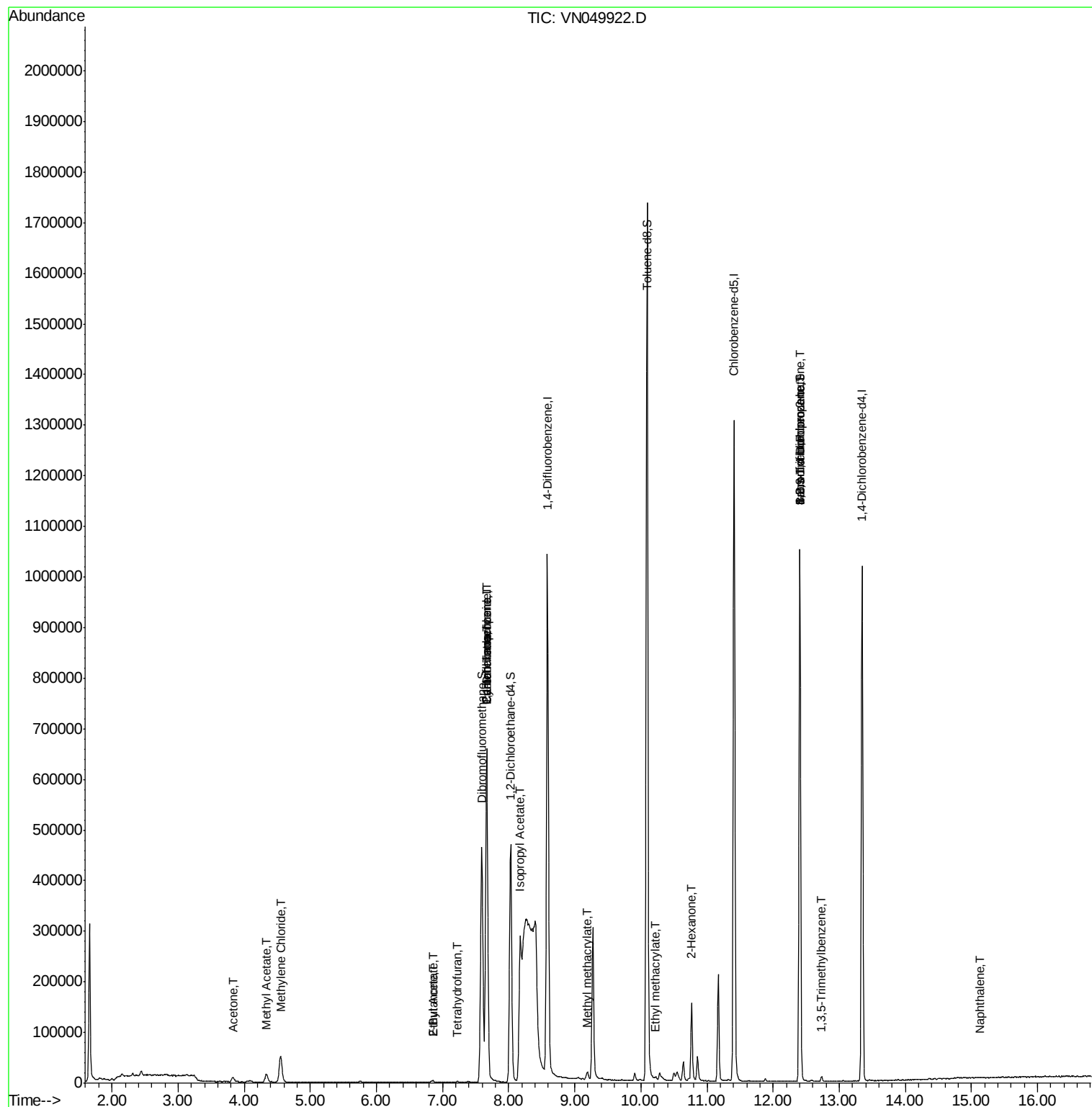
						Qvalue
5) Bromomethane	2.57	94	953	Below Cal	#	65
16) Acetone	3.83	43	15324	7.67	ug/l	89
18) Methyl Acetate	4.33	43	30499	4.10	ug/l	99
20) Methylene Chloride	4.55	84	39803	5.24	ug/l	94
25) 2-Butanone	6.86	43	3880	1.36	ug/l #	80
29) Tetrahydrofuran	7.23	42	1280	0.71	ug/l #	39
31) Cyclohexane	7.67	56	10765	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39872	3.77	ug/l #	49
37) Ethyl Acetate	6.86	43	3880	0.53	ug/l #	68
38) Carbon Tetrachloride	7.67	117	50152	4.42	ug/l #	16
43) Isopropyl Acetate	8.17	43	339884	26.77	ug/l #	91
48) Methyl methacrylate	9.18	41	8671	1.36	ug/l #	22
56) Ethyl methacrylate	10.22	69	2720	2.40	ug/l #	71
59) 2-Hexanone	10.77	43	21091	4.42	ug/l #	59
71) Bromoform	12.40	173	2469	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	169751	31.52	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	4008	0.23	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.40	75	169751	98.57	ug/l #	13
95) Naphthalene	15.14	128	136	4.50	ug/l #	69

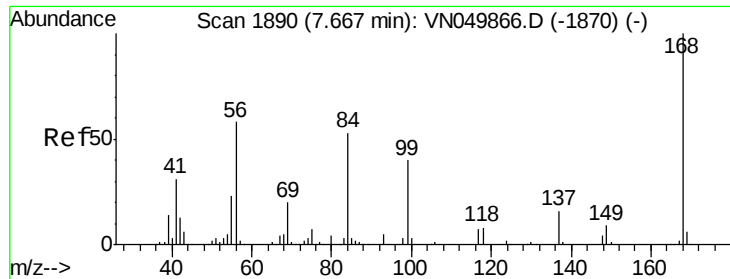
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

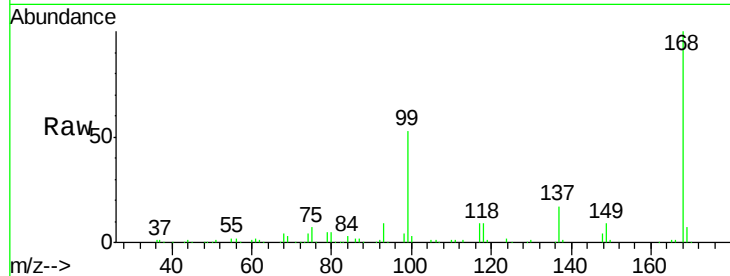
PB111251ZHE#09

Tot Ion:168 Resp: 561308

Ion Ratio Lower Upper

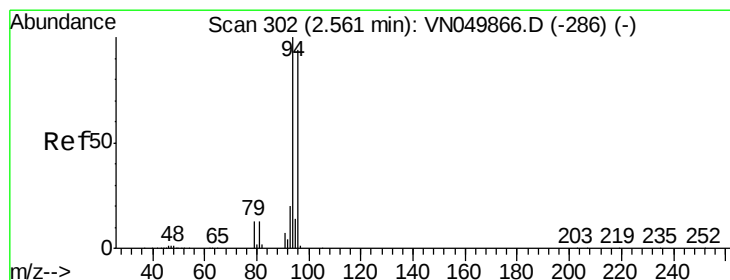
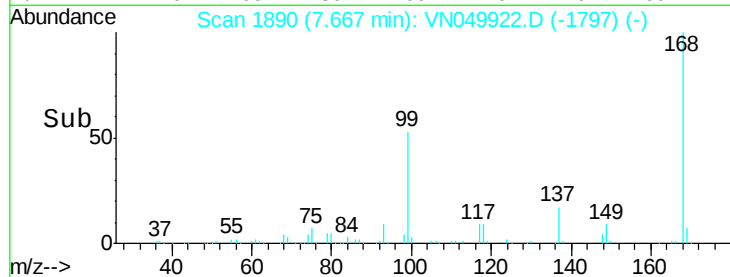
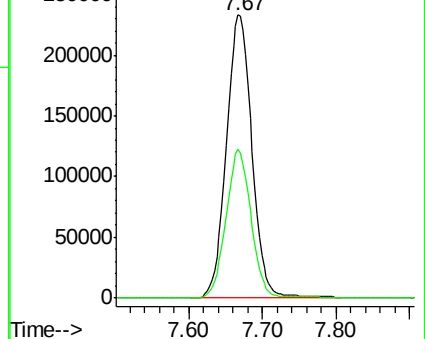
168 100

99 52.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049922.D

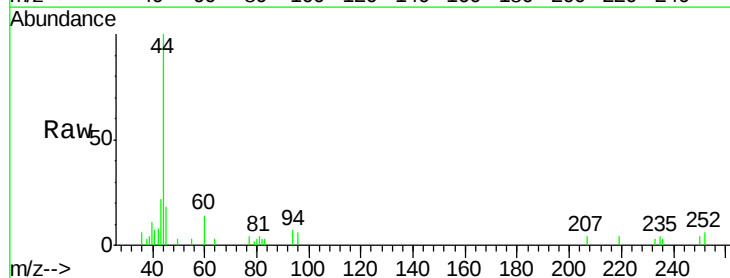
Acq: 19 Jul 2018 17:42

Tgt Ion: 94 Resp: 953

Ion Ratio Lower Upper

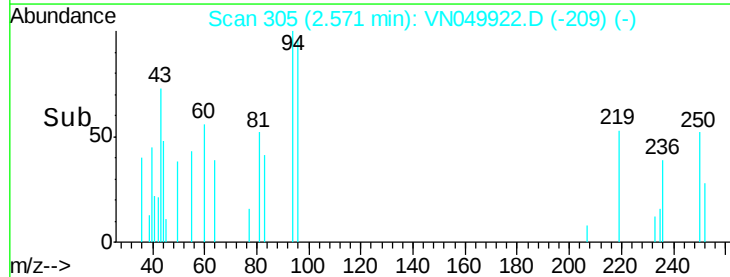
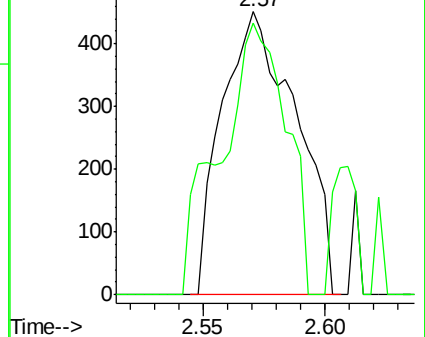
94 100

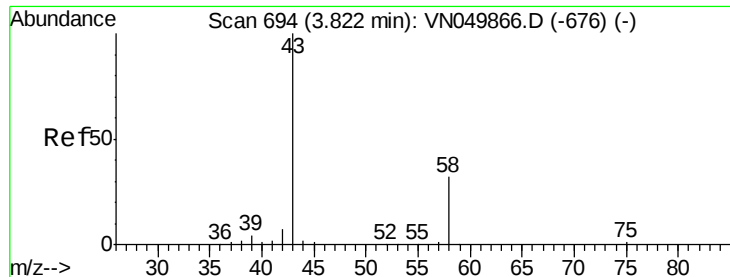
96 60.5 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#16

Acetone

Concen: 7.67 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

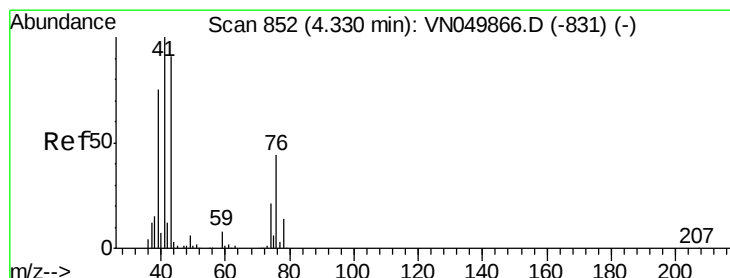
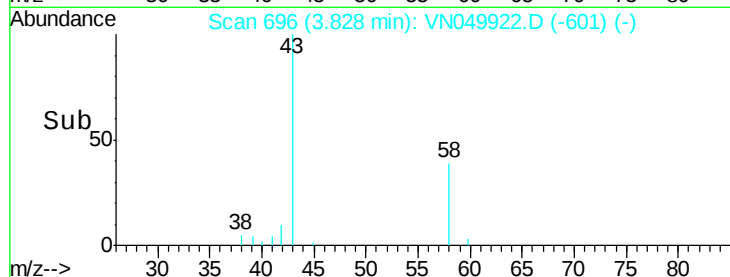
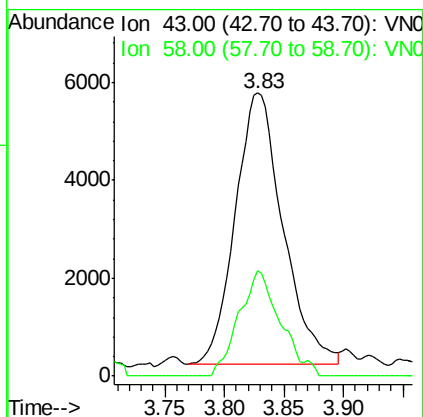
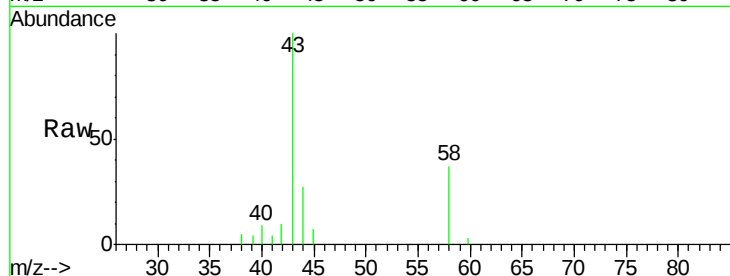
PB111251ZHE#09

Tot Ion: 43 Resp: 15324

Ion Ratio Lower Upper

43 100

58 38.8 25.9 38.9



#18

Methyl Acetate

Concen: 4.10 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049922.D

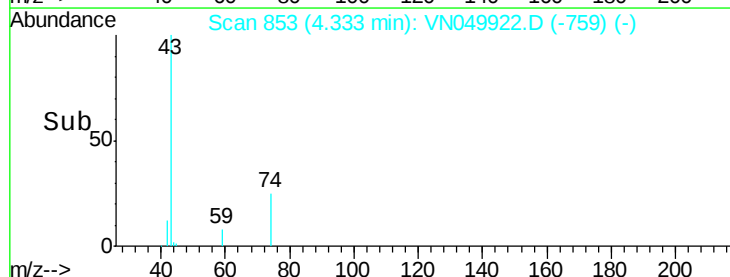
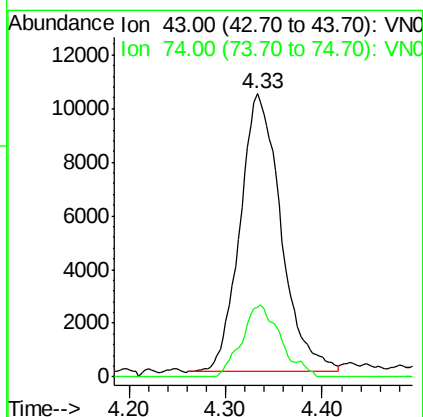
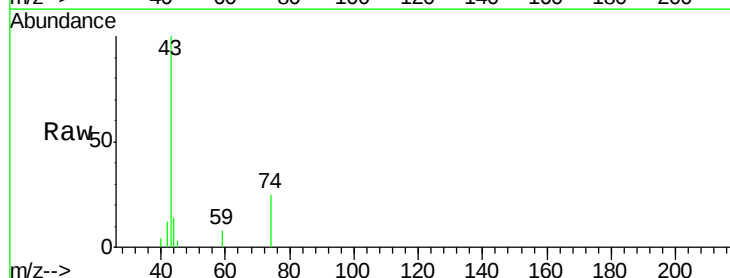
Acq: 19 Jul 2018 17:42

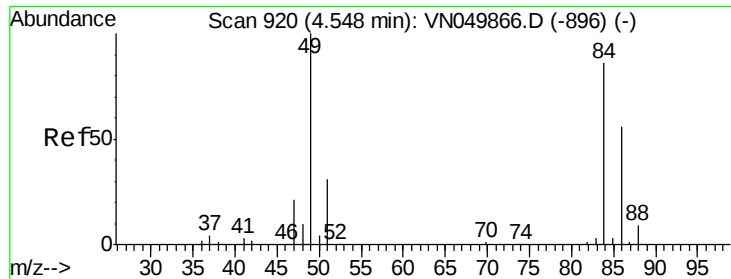
Tgt Ion: 43 Resp: 30499

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8

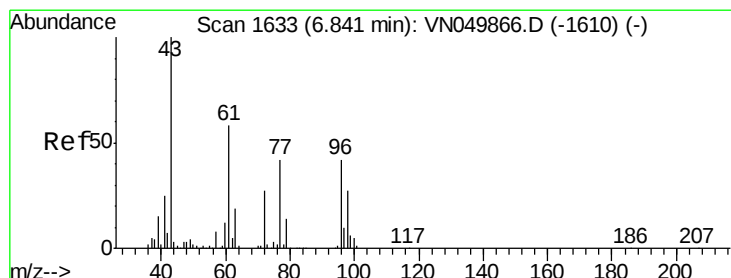
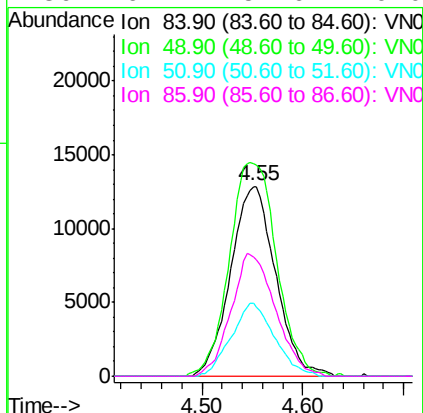
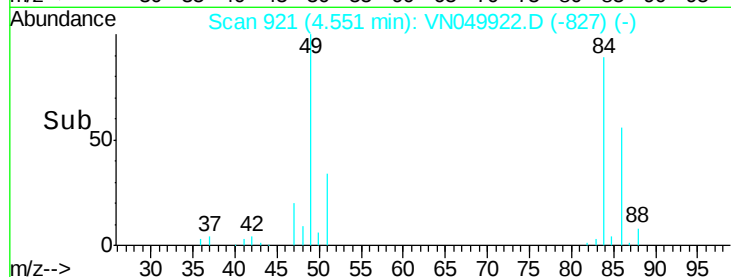
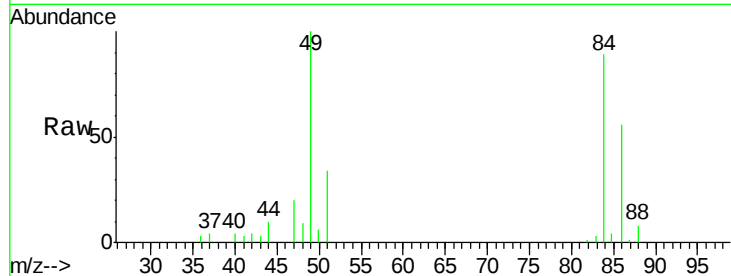




#20
Methvlene Chloride
Concen: 5.24 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049922.D
Acq: 19 Jul 2018 17:42

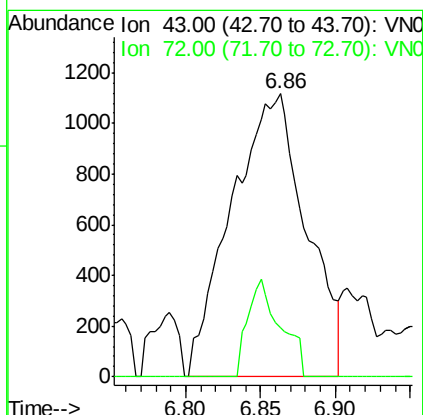
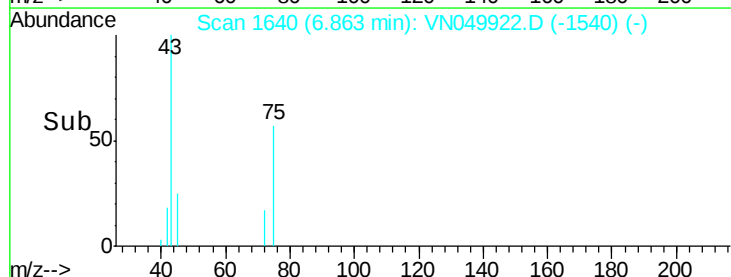
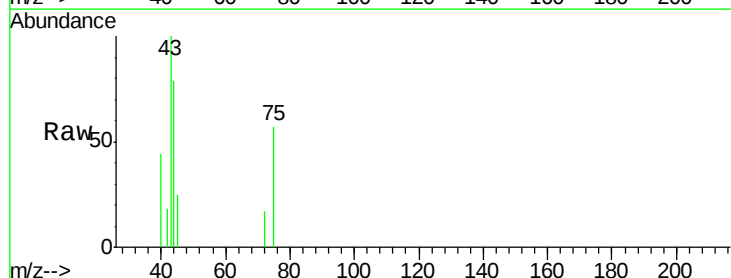
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#09

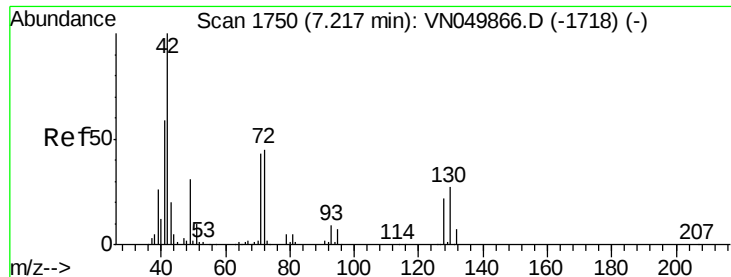
Tot Ion: 84	Resp: 39803
Ion Ratio	Lower Upper
84 100	
49 110.7	95.4 143.2
51 38.3	28.4 42.6
86 62.7	52.6 79.0



#25
2-Butanone
Concen: 1.36 ug/l
RT: 6.86 min Scan# 1640
Delta R.T. 0.02 min
Lab File: VN049922.D
Acq: 19 Jul 2018 17:42

Tgt Ion: 43	Resp: 3880
Ion Ratio	Lower Upper
43 100	
72 17.4	22.1 33.1#





#29

Tetrahydrofuran

Concen: 0.71 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#09

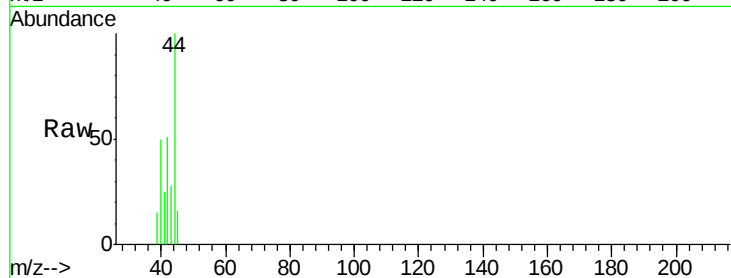
Tot Ion: 42 Resp: 1280

Ion Ratio Lower Upper

42 100

72 8.4 35.6 53.4#

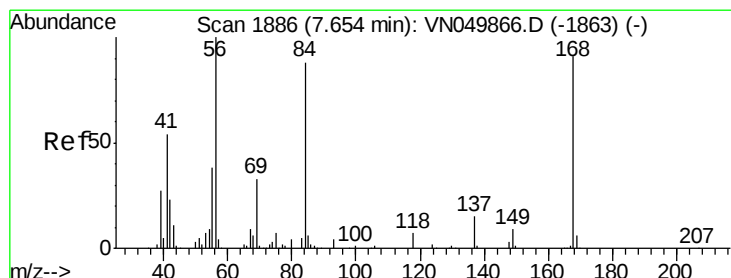
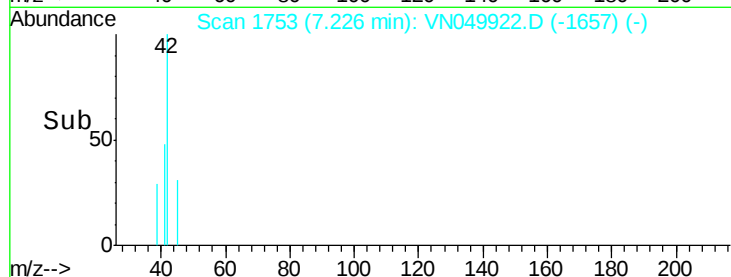
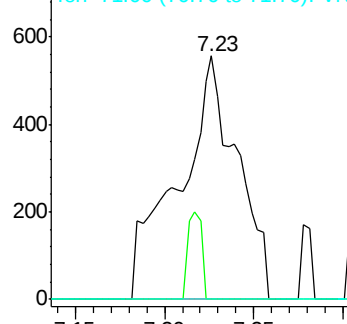
71 0.0 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.05 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

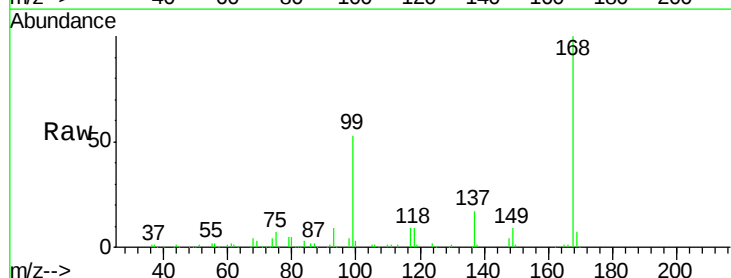
Tgt Ion: 56 Resp: 10765

Ion Ratio Lower Upper

56 100

69 175.5 26.6 40.0#

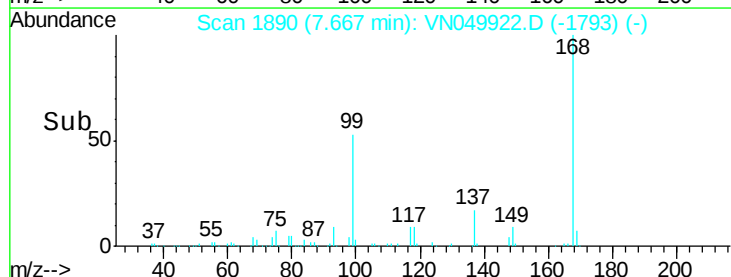
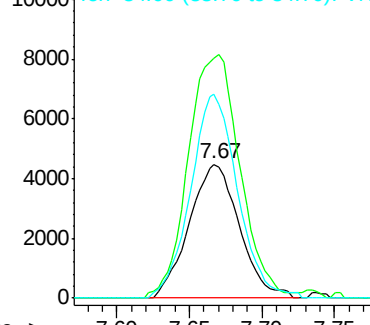
84 151.6 69.0 103.6#

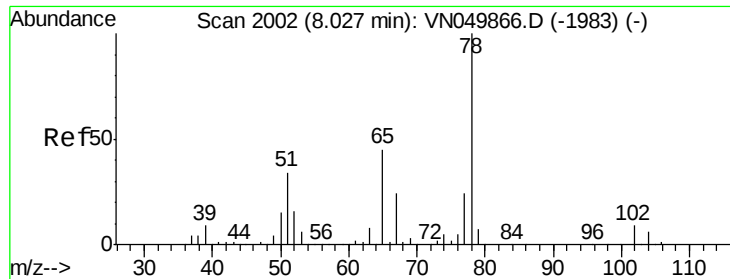


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

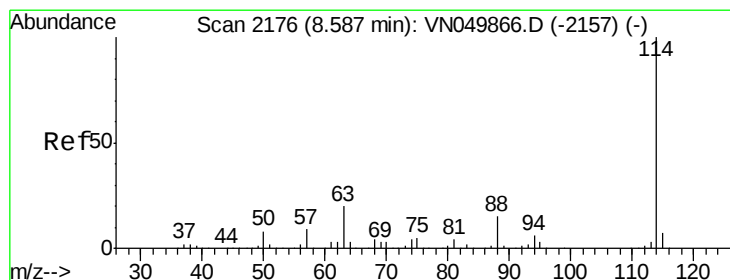
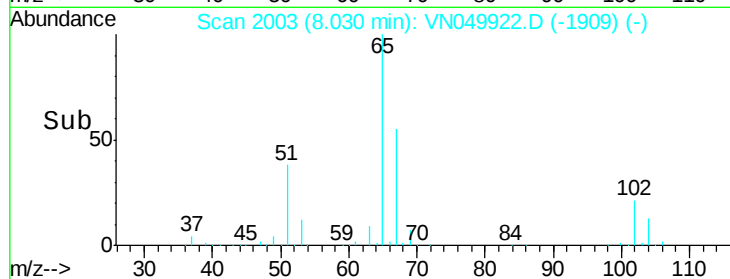
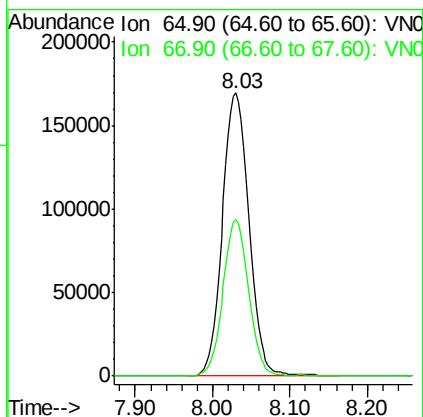
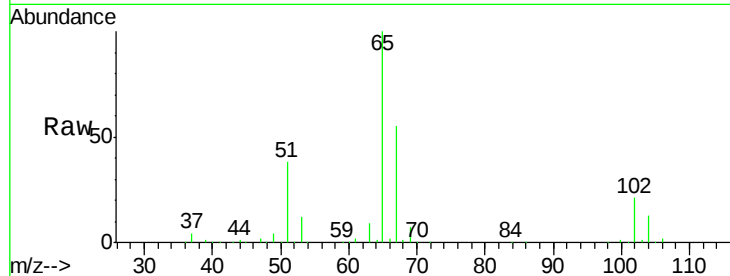




#33
 1,2-Dichloroethane-d4
 Concen: 52.54 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049922.D
 Acq: 19 Jul 2018 17:42

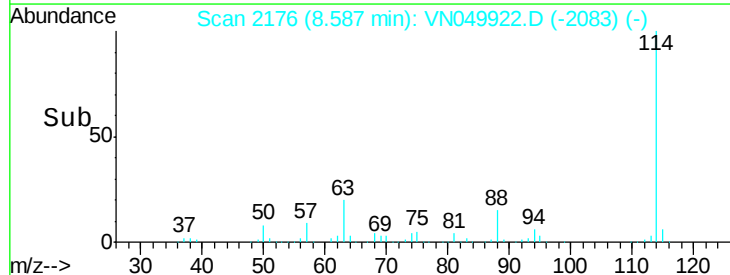
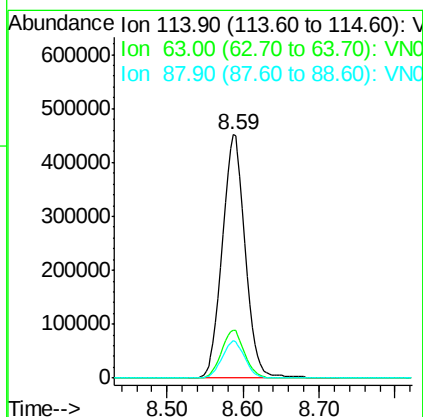
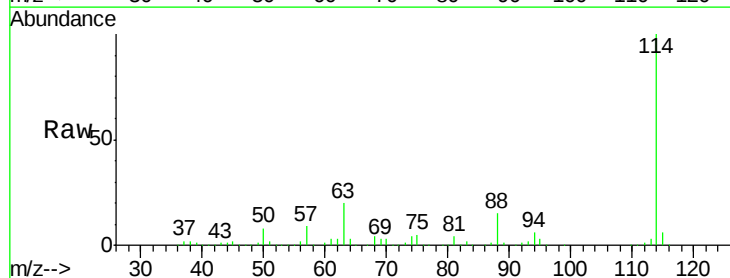
Instrument :
 MSVOA_N
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 PB111251ZHE#09

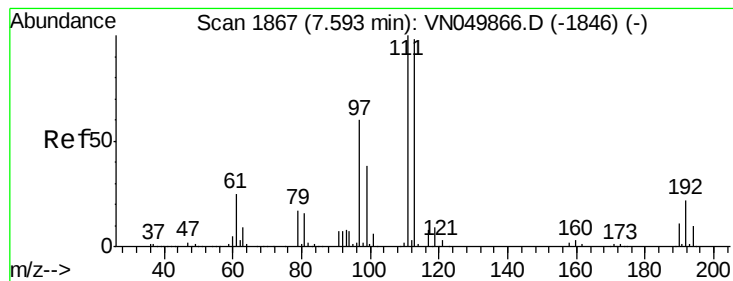
Tot Ion: 65 Resp: 405349
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049922.D
 Acq: 19 Jul 2018 17:42

Tgt Ion: 114 Resp: 951694
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 44.86 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#09

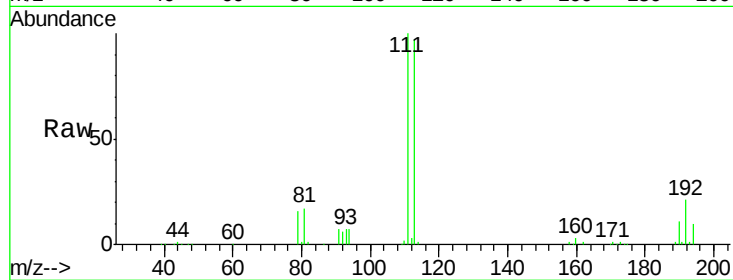
Tot Ion:113 Resp: 358408

Ion Ratio Lower Upper

113 100

111 101.5 81.8 122.8

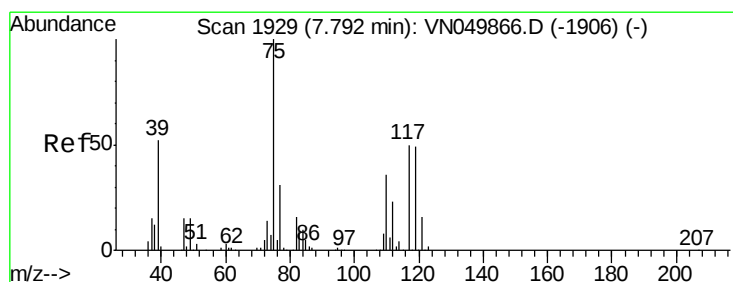
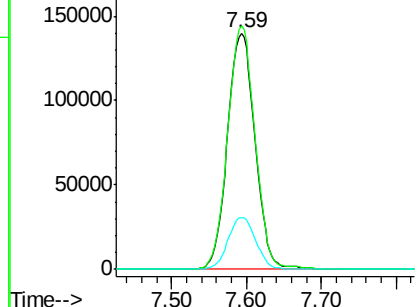
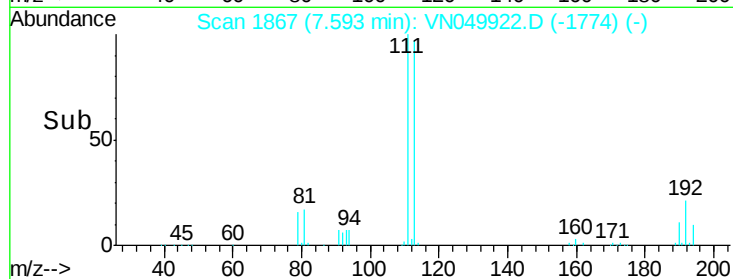
192 22.1 17.8 26.6



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



#36

1,1-Dichloropropene

Concen: 3.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

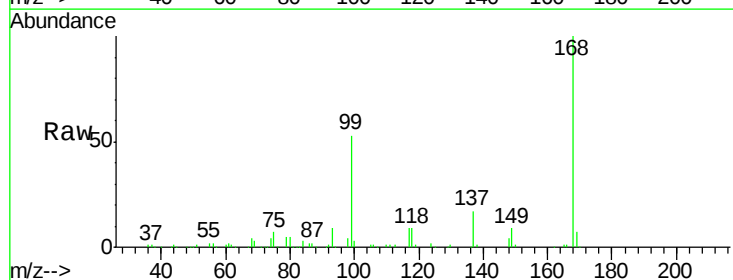
Tgt Ion: 75 Resp: 39872

Ion Ratio Lower Upper

75 100

110 8.7 18.1 54.4#

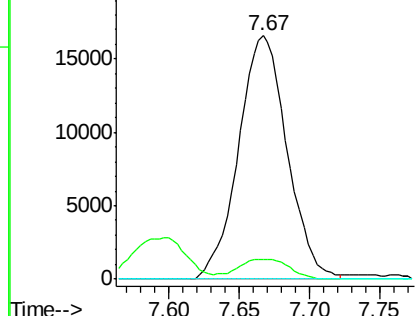
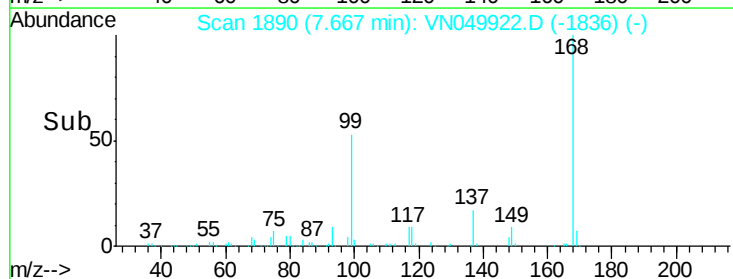
77 0.0 24.9 37.3#

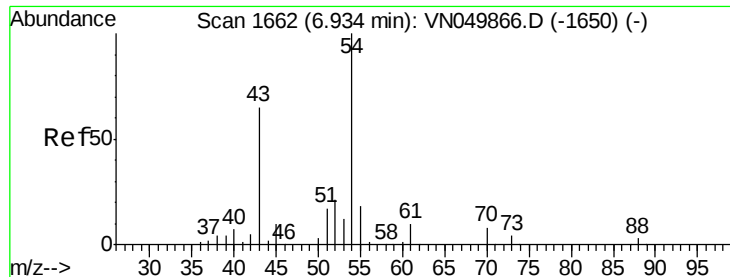


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

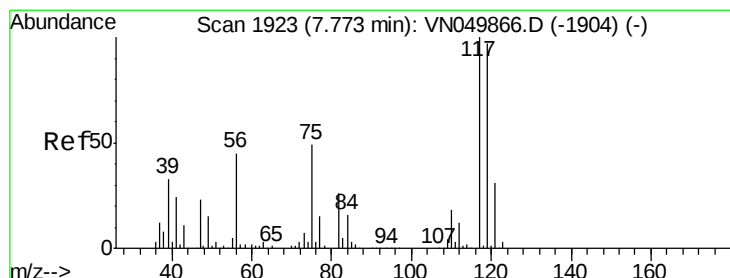
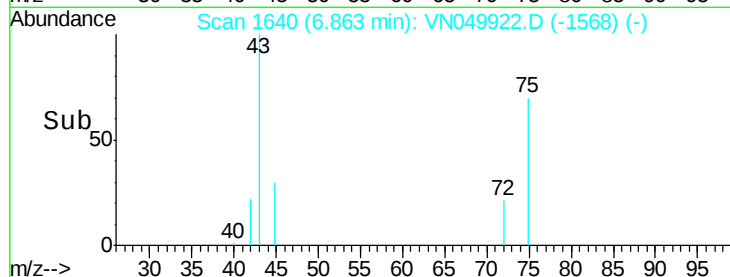
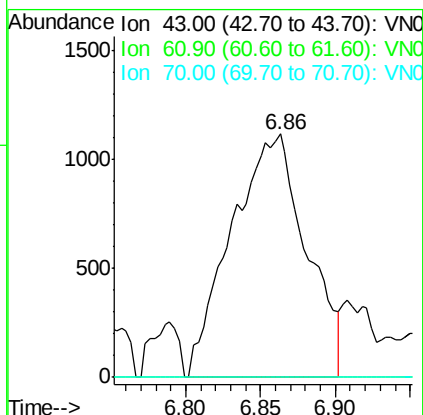
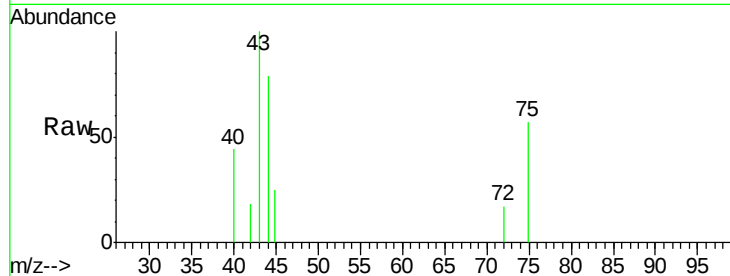




#37
Ethyl Acetate
Concen: 0.53 ug/l
RT: 6.86 min Scan# 1640
Delta R.T. -0.07 min
Lab File: VN049922.D
Acq: 19 Jul 2018 17:42

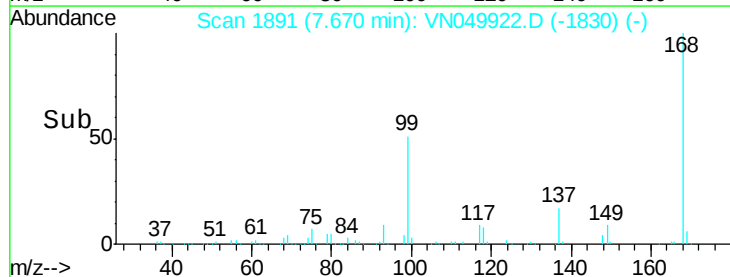
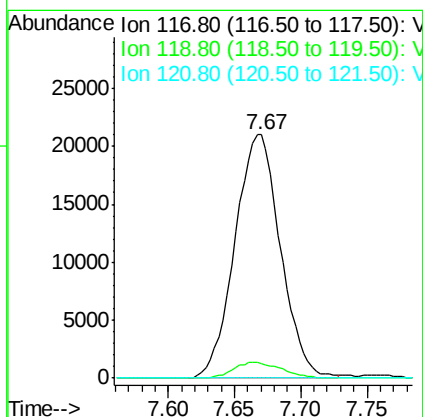
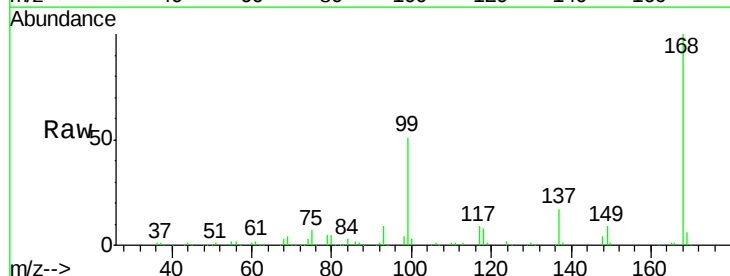
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#09

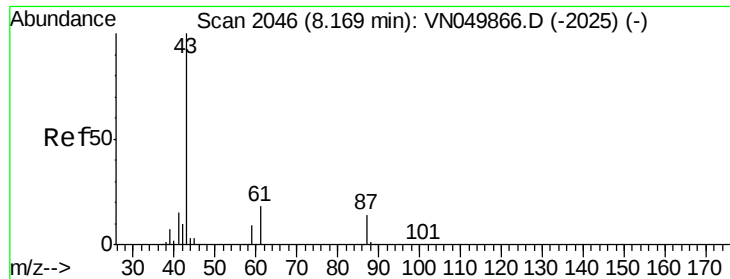
Tot Ion: 43 Resp: 3880
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 4.42 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN049922.D
Acq: 19 Jul 2018 17:42

Tgt Ion: 117 Resp: 50152
Ion Ratio Lower Upper
117 100
119 6.0 77.2 115.8#
121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 26.77 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#09

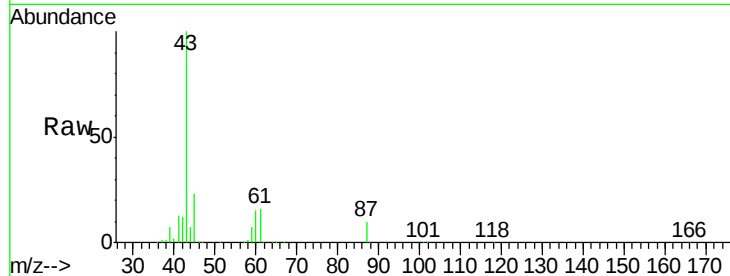
Tot Ion: 43 Resp: 339884

Ion Ratio Lower Upper

43 100

61 14.5 14.9 22.3#

87 9.1 10.0 15.0#

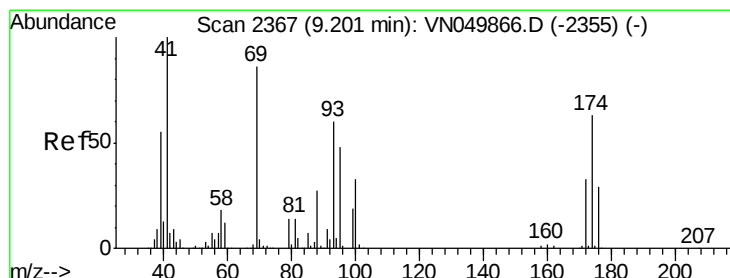
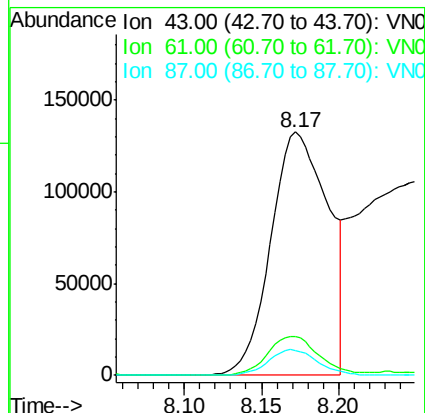
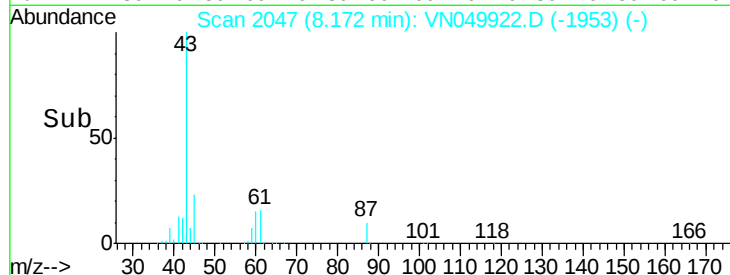


Abundance Ion 43.00 (42.70 to 43.70): VN049922.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049922.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049922.D (-1953) (-)

Time-->



#48

Methyl methacrylate

Concen: 1.36 ug/l

RT: 9.18 min Scan# 2361

Delta R.T. -0.02 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

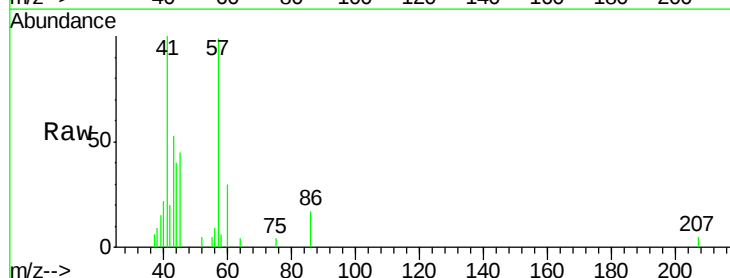
Tgt Ion: 41 Resp: 8671

Ion Ratio Lower Upper

41 100

69 0.0 71.5 107.3#

39 19.7 44.7 67.1#

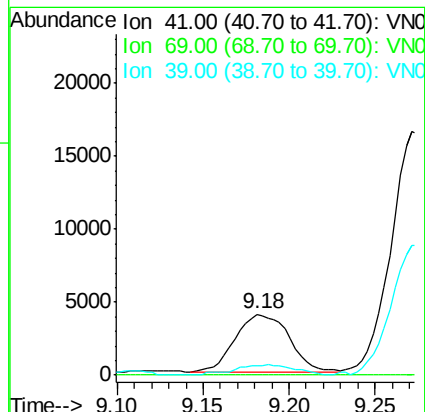
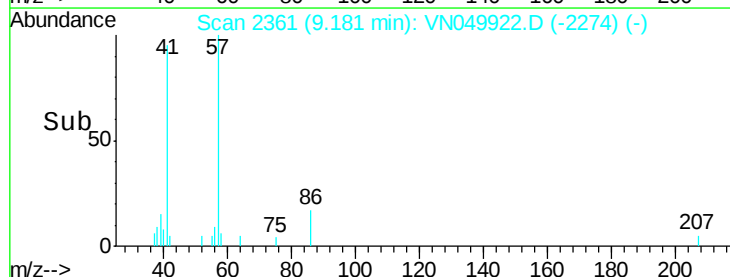


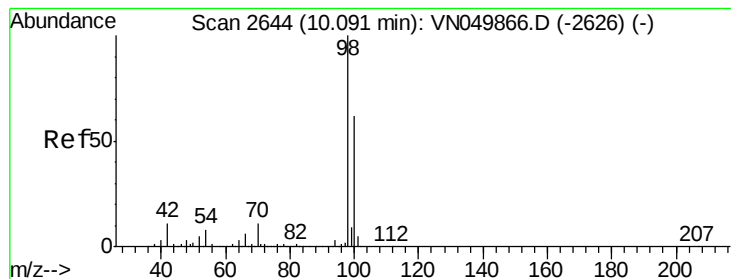
Abundance Ion 41.00 (40.70 to 41.70): VN049922.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049922.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049922.D (-2274) (-)

Time-->





#50

Toluene-d8

Concen: 43.18 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

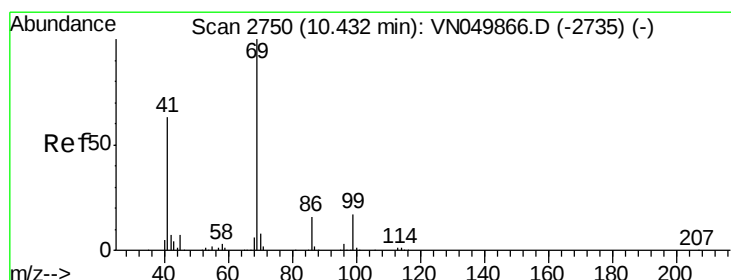
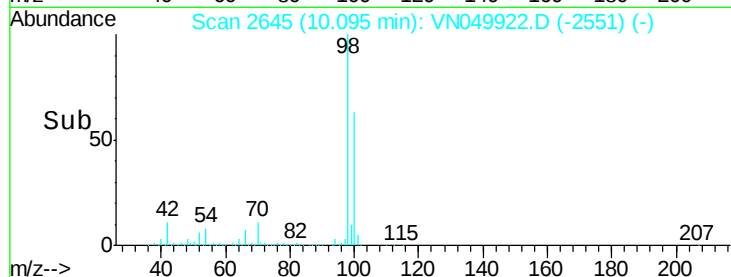
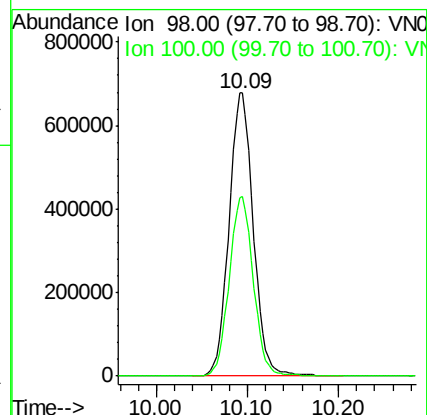
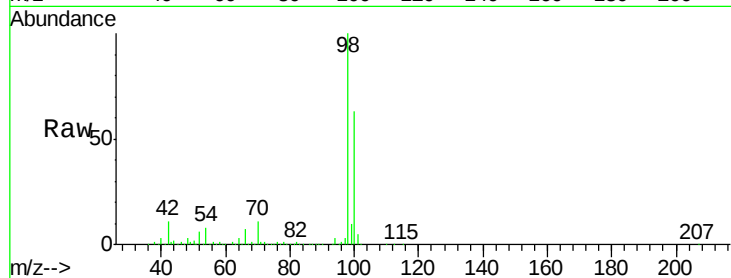
PB111251ZHE#09

Tot Ion: 98 Resp: 1256863

Ion Ratio Lower Upper

98 100

100 63.2 51.7 77.5



#56

Ethyl methacrylate

Concen: 2.40 ug/l

RT: 10.22 min Scan# 2685

Delta R.T. -0.21 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

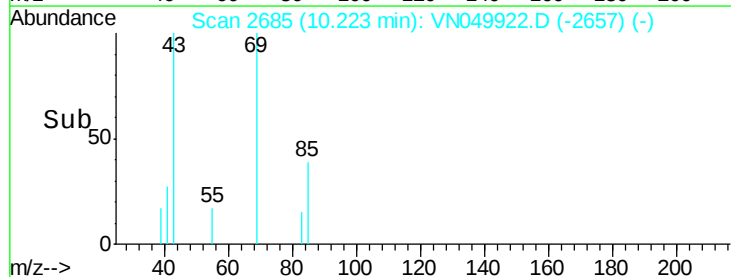
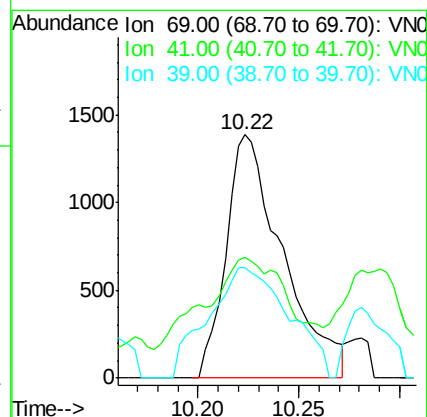
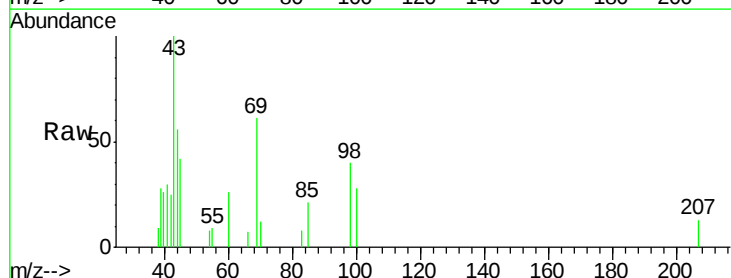
Tgt Ion: 69 Resp: 2720

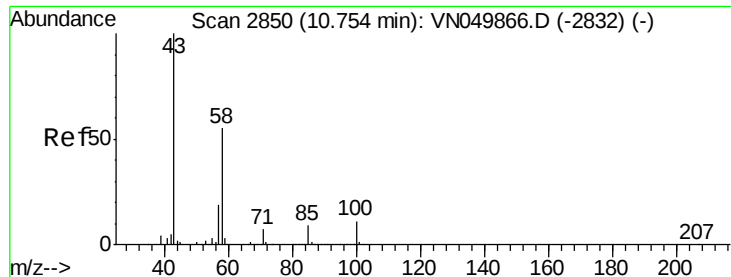
Ion Ratio Lower Upper

69 100

41 52.9 51.6 77.4

39 64.2 25.8 38.8#





#59

2-Hexanone

Concen: 4.42 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

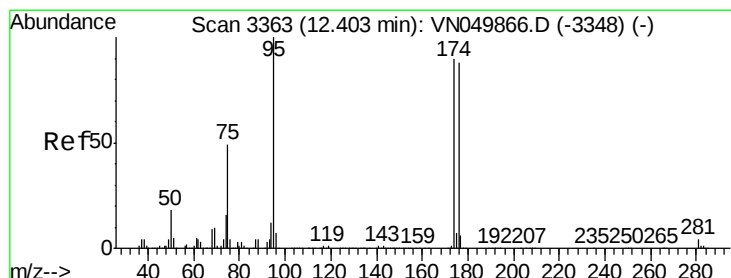
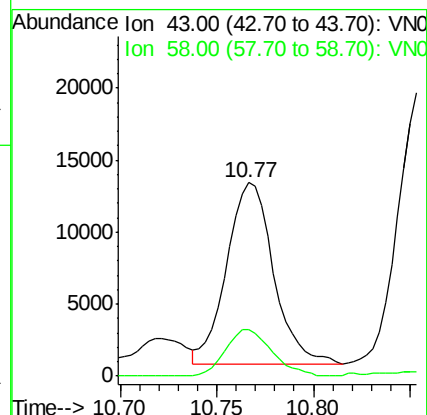
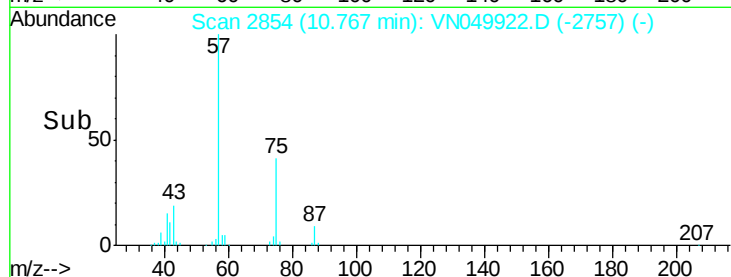
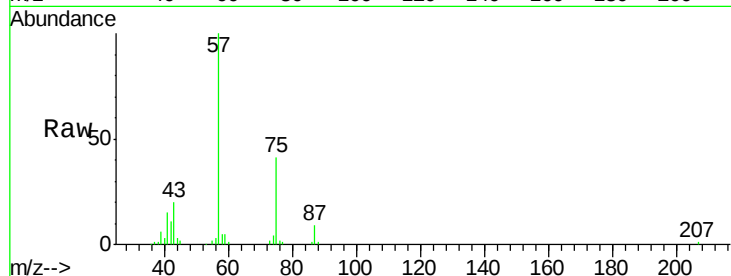
PB111251ZHE#09

Tot Ion: 43 Resp: 21091

Ion Ratio Lower Upper

43 100

58 25.7 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

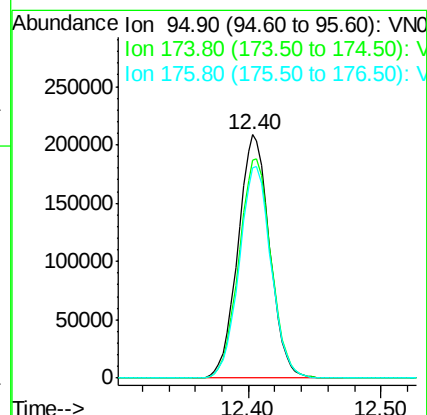
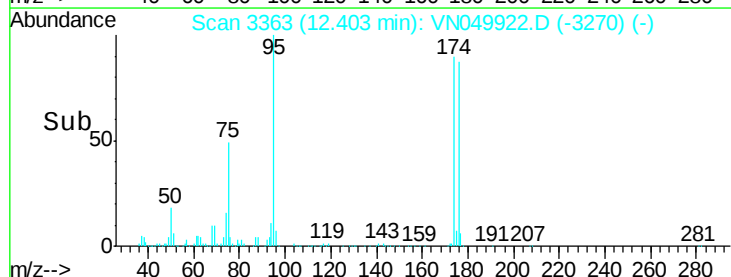
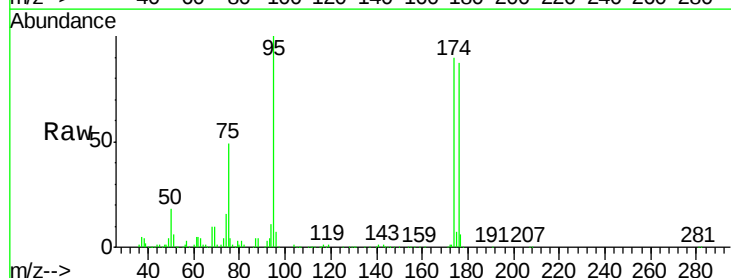
Tgt Ion: 95 Resp: 345808

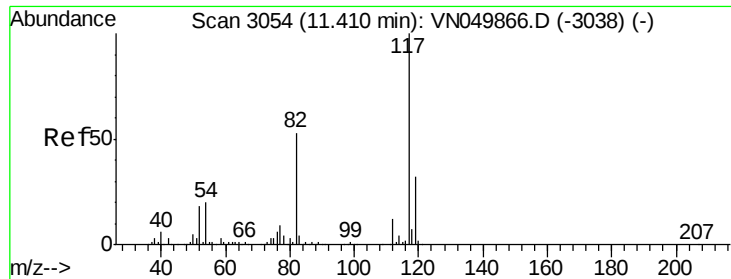
Ion Ratio Lower Upper

95 100

174 91.8 0.0 179.6

176 87.4 0.0 174.0

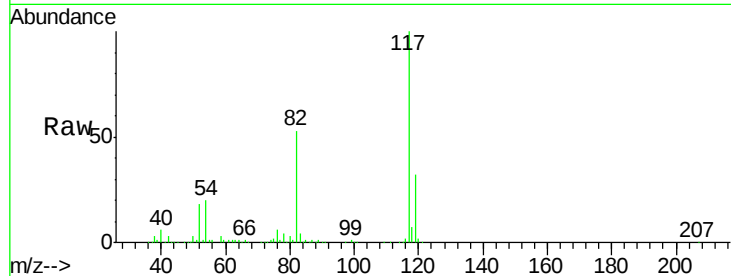




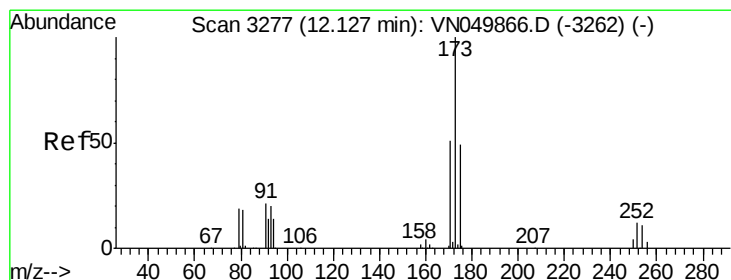
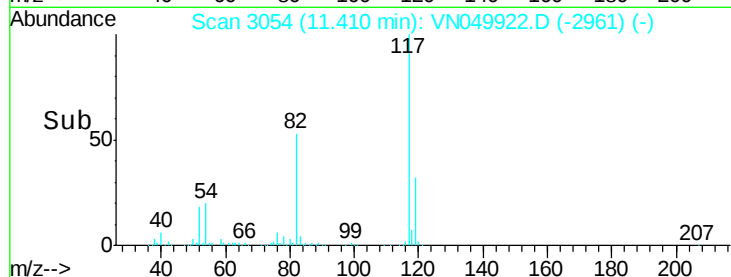
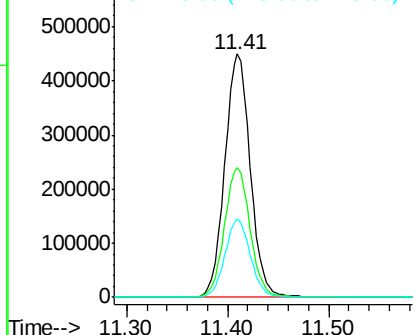
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049922.D
Acq: 19 Jul 2018 17:42

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#09

Tot Ion:117 Resp: 793090
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 32.1 25.4 38.2

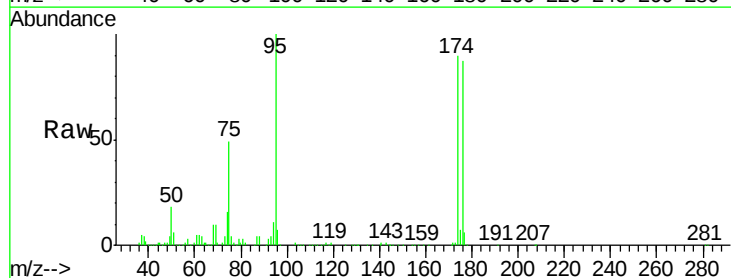


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

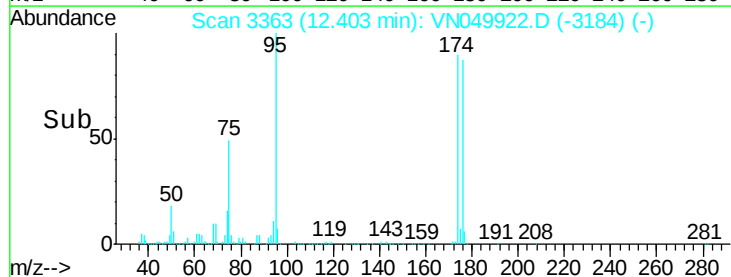
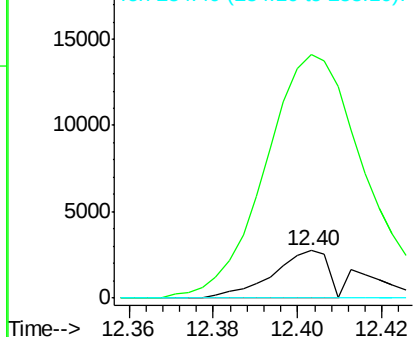


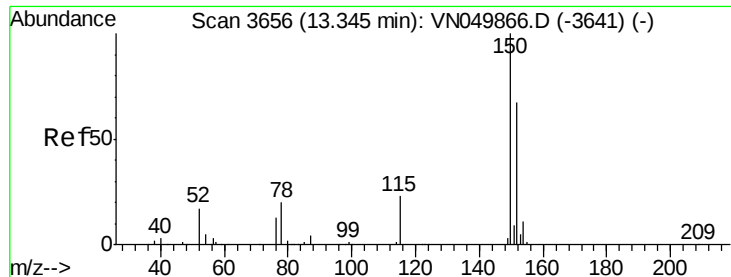
#71
Bromoform
Concen: 0.45 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049922.D
Acq: 19 Jul 2018 17:42

Tgt Ion:173 Resp: 2469
Ion Ratio Lower Upper
173 100
175 760.5 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: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#09

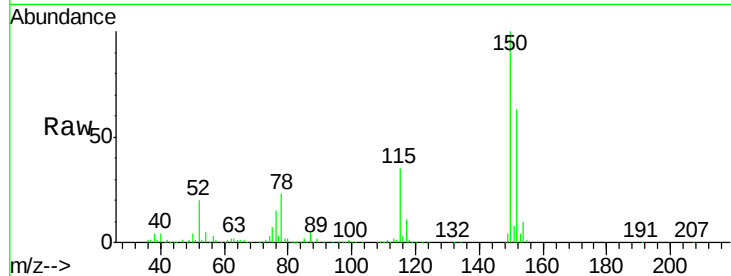
Tot Ion:152 Resp: 287060

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

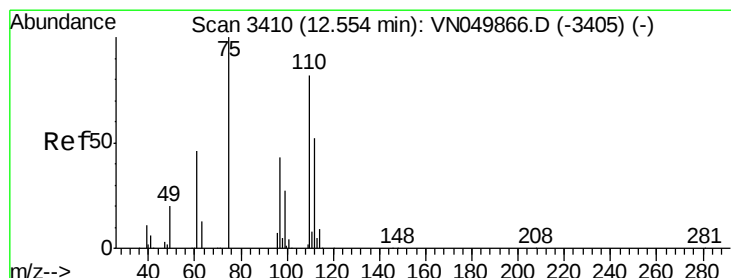
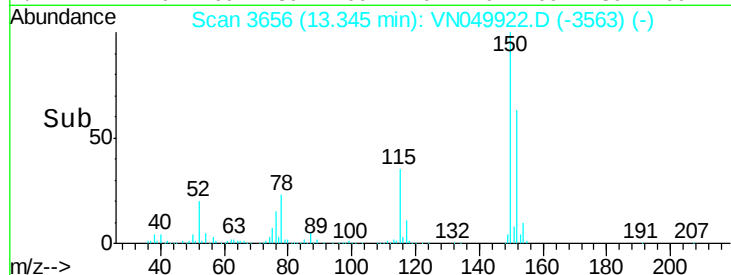
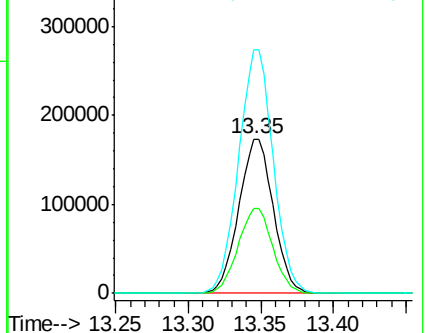
150 158.2 0.0 347.6



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



#76

1,2,3-Trichloropropane

Concen: 31.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049922.D

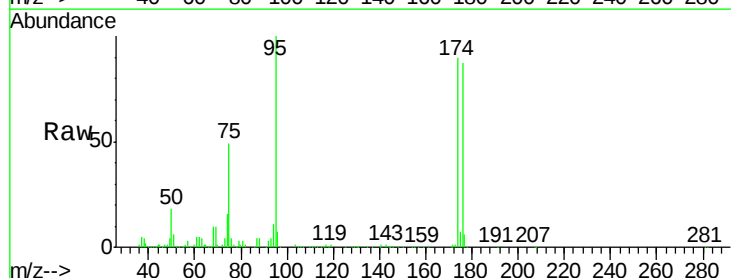
Acq: 19 Jul 2018 17:42

Tgt Ion: 75 Resp: 169751

Ion Ratio Lower Upper

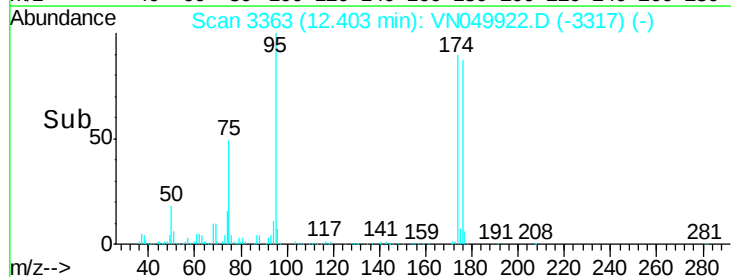
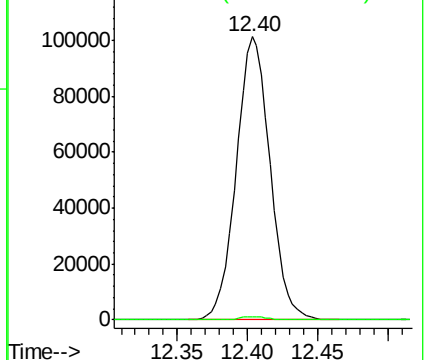
75 100

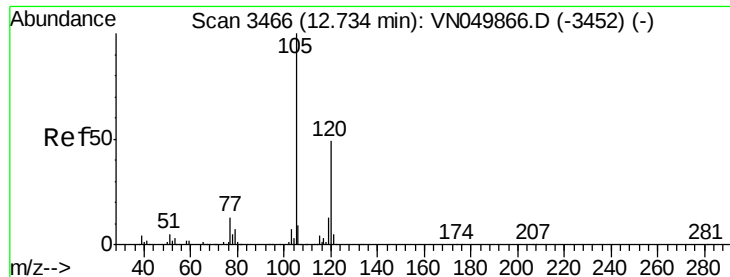
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.23 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

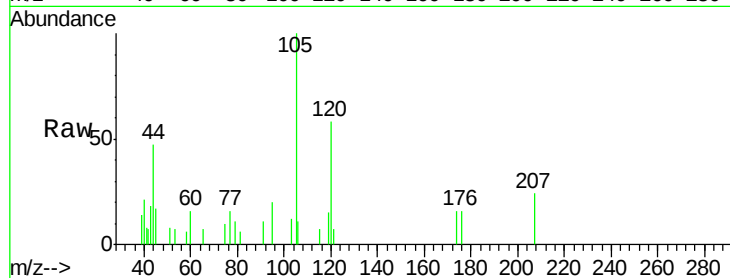
PB111251ZHE#09

Tot Ion:105 Resp: 4008

Ion Ratio Lower Upper

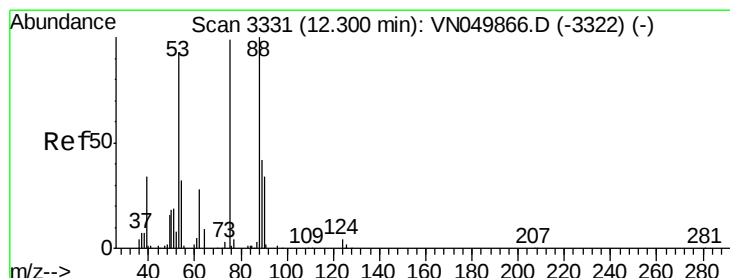
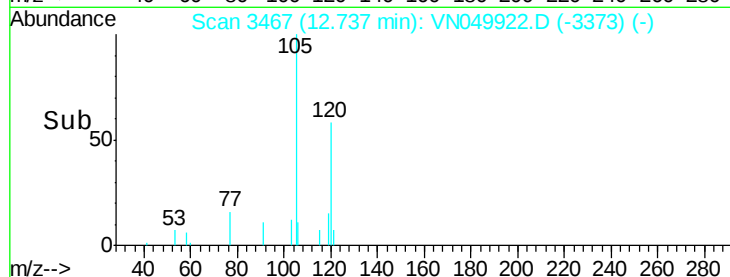
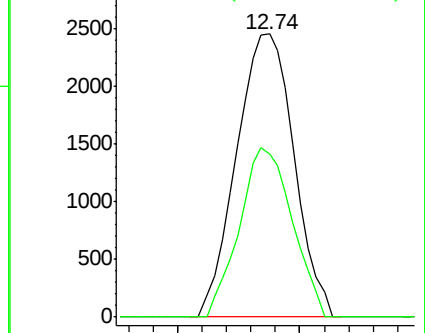
105 100

120 54.8 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: 98.57 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049922.D

Acq: 19 Jul 2018 17:42

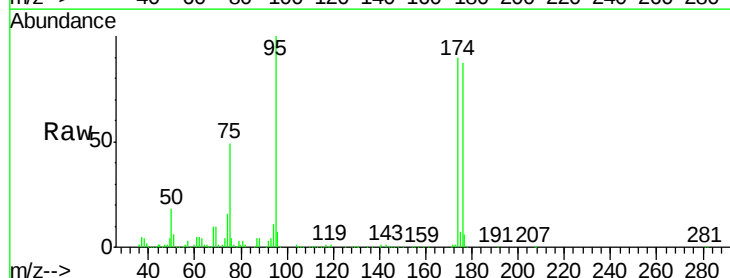
Tgt Ion: 75 Resp: 169751

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

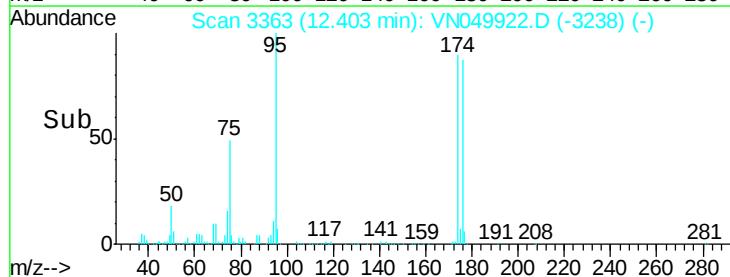
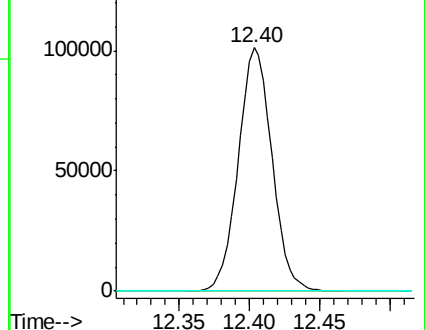
89 0.0 35.9 53.9#

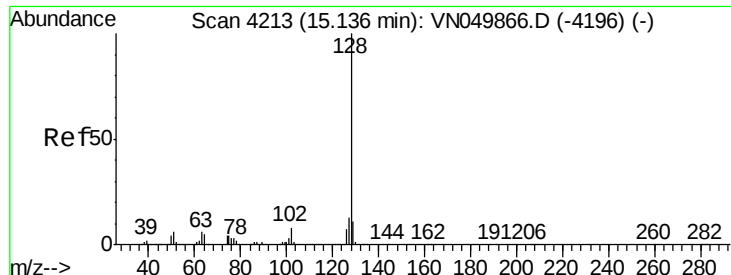


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 4.50 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049922.D

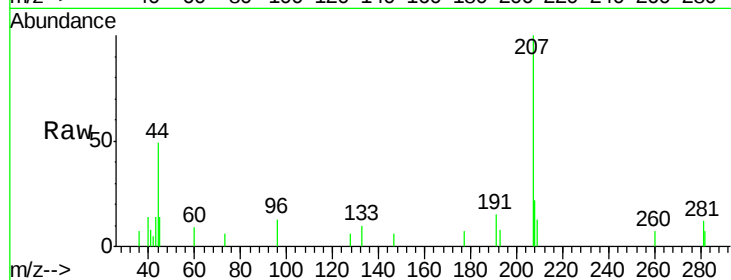
Acq: 19 Jul 2018 17:42

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#09



Tot Ion:	128	Resp:	136
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

