

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049917.D
 Acq On : 19 Jul 2018 15:33
 Operator : MD\SY
 Sample : PB111251ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#04

Quant Time: Jul 20 01:29:10 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	576823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	973507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	825975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	323774	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	408671	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
35) Dibromofluoromethane	7.59	113	361455	44.23	ug/l	0.00
Spiked Amount			Recovery	=	88.46%	
50) Toluene-d8	10.09	98	1303021	43.76	ug/l	0.00
Spiked Amount			Recovery	=	87.52%	
62) 4-Bromofluorobenzene	12.40	95	373266	36.40	ug/l	0.00
Spiked Amount			Recovery	=	72.80%	

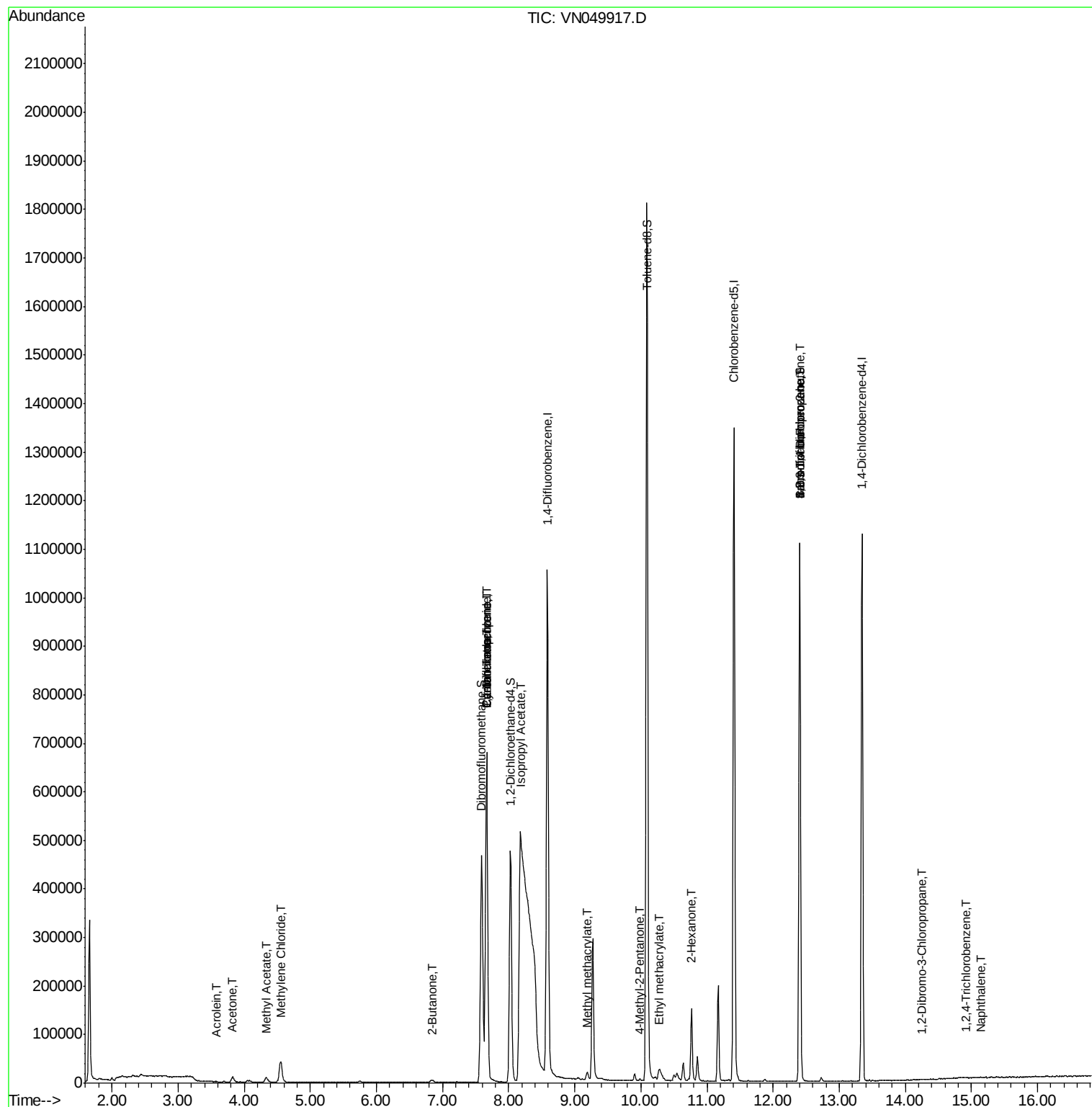
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	225	Below Cal	#	21
13) Acrolein	3.59	56	99	0.27	ug/l #	15
16) Acetone	3.82	43	17136	8.35	ug/l	97
18) Methyl Acetate	4.33	43	19594	2.25	ug/l	95
20) Methylene Chloride	4.55	84	33796	4.33	ug/l	97
25) 2-Butanone	6.85	43	4114	1.40	ug/l #	75
31) Cyclohexane	7.66	56	11073	1.05	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	40168	3.71	ug/l #	49
38) Carbon Tetrachloride	7.67	117	52960	4.57	ug/l #	17
43) Isopropyl Acetate	8.17	43	1065810	82.07	ug/l #	73
48) Methyl methacrylate	9.18	41	8215	1.26	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	2157	0.30	ug/l	96
56) Ethyl methacrylate	10.26	69	254	2.18	ug/l #	1
59) 2-Hexanone	10.76	43	20157	4.13	ug/l #	58
71) Bromoform	12.40	173	3259	0.57	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	182314	30.02	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	182314	93.86	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	326	0.29	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	62	3.49	ug/l #	13
95) Naphthalene	15.14	128	472	4.52	ug/l #	69

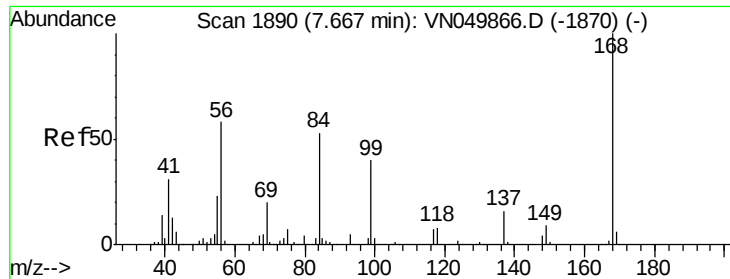
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071918\
Data File : VN049917.D
Acq On : 19 Jul 2018 15:33
Operator : MD\SY
Sample : PB111251ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#04

Quant Time: Jul 20 01:29:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
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: VN049917.D

Acq: 19 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

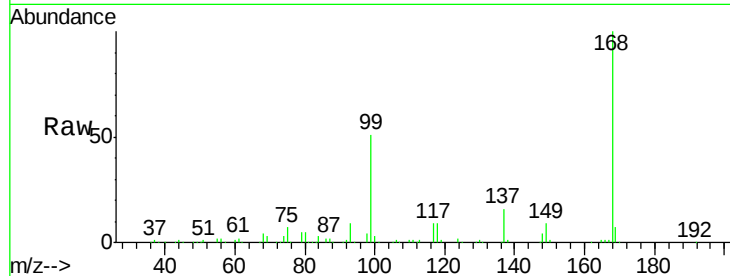
PB111251ZHE#04

Tot Ion:168 Resp: 576823

Ion Ratio Lower Upper

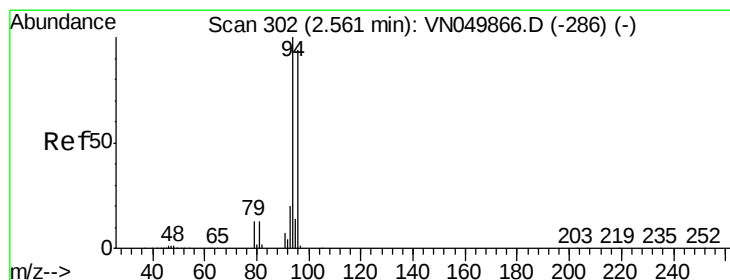
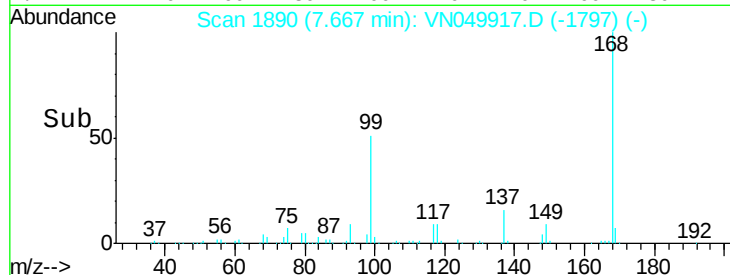
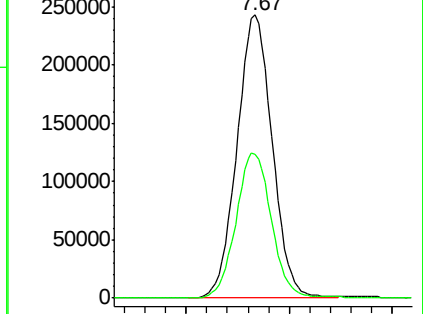
168 100

99 50.9 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: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049917.D

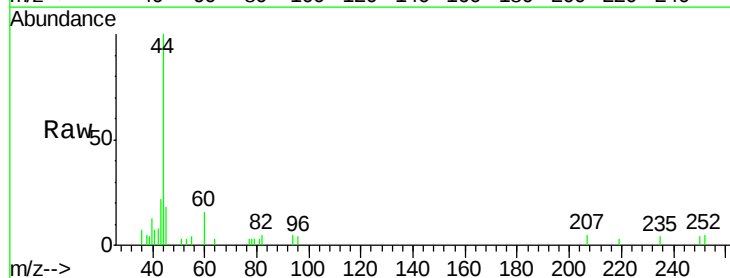
Acq: 19 Jul 2018 15:33

Tgt Ion: 94 Resp: 225

Ion Ratio Lower Upper

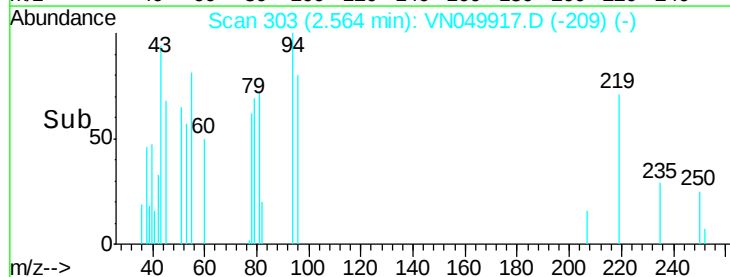
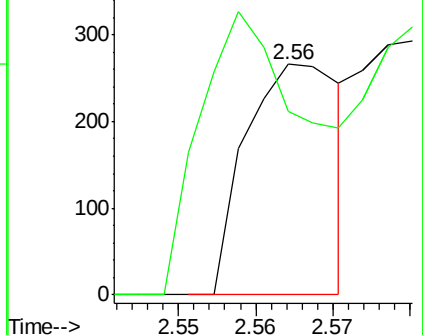
94 100

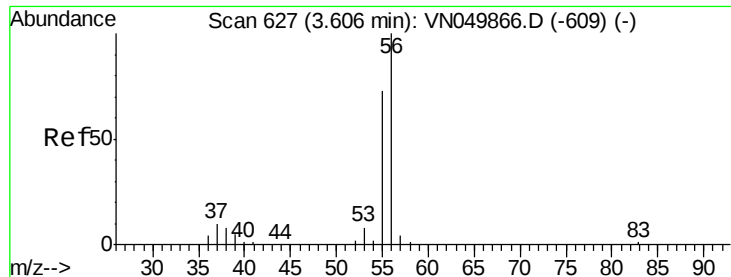
96 18.0 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#13

Acrolein

Concen: 0.27 ug/l

RT: 3.59 min Scan# 622

Delta R.T. -0.02 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

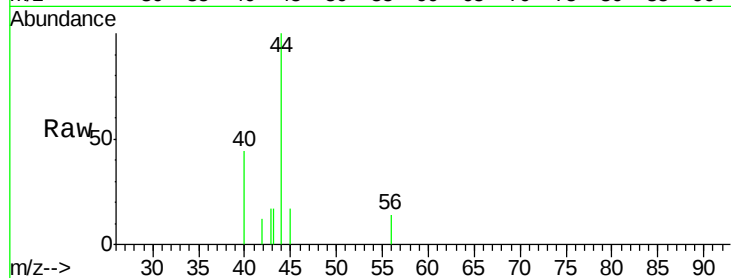
PB111251ZHE#04

Tot Ion: 56 Resp: 99

Ion Ratio Lower Upper

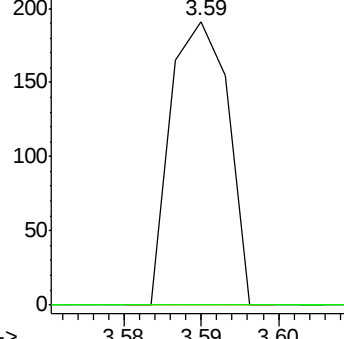
56 100

55 0.0 55.8 83.8#

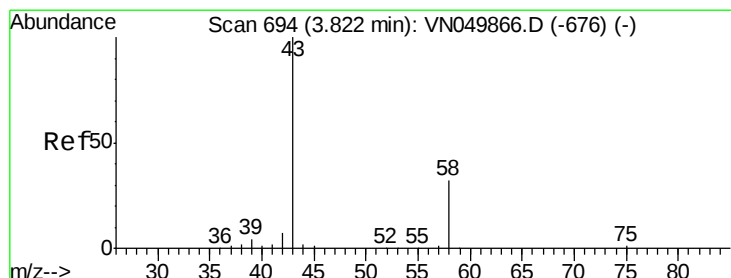
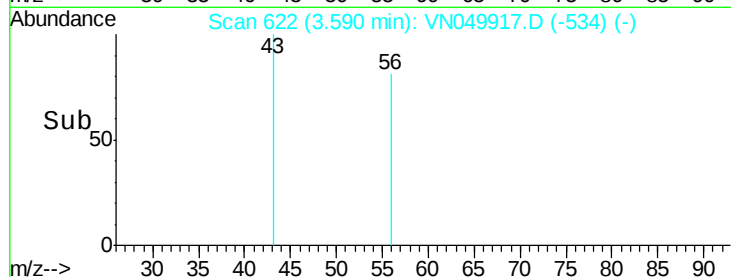


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 8.35 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049917.D

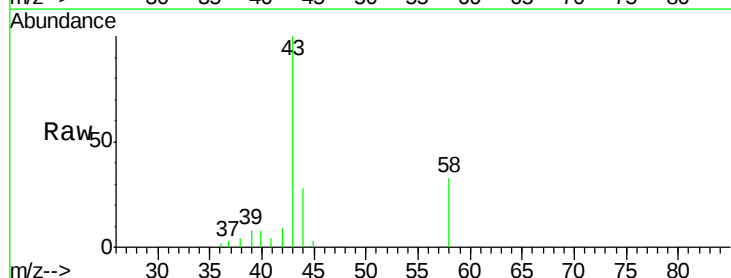
Acq: 19 Jul 2018 15:33

Tgt Ion: 43 Resp: 17136

Ion Ratio Lower Upper

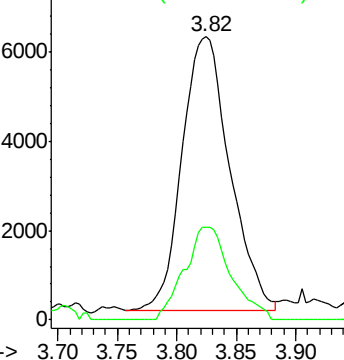
43 100

58 33.8 25.9 38.9

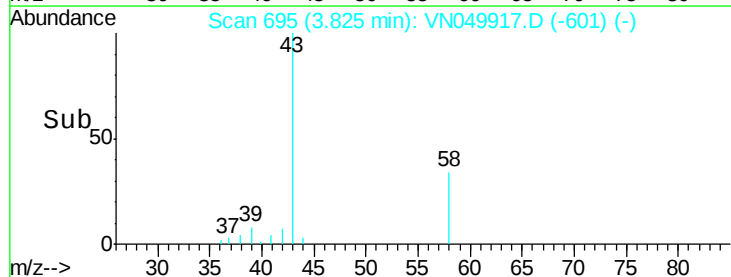


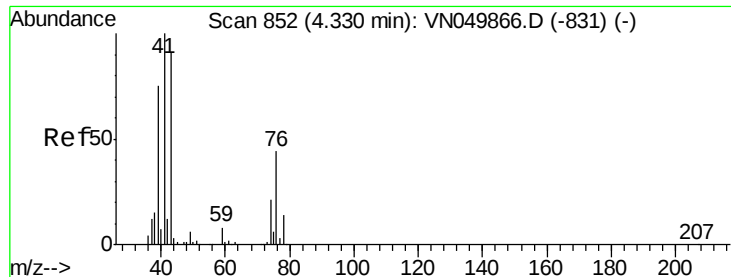
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

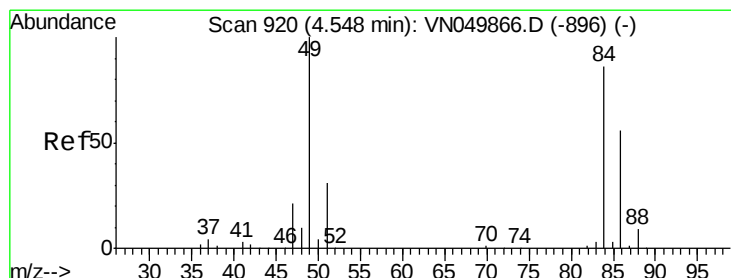
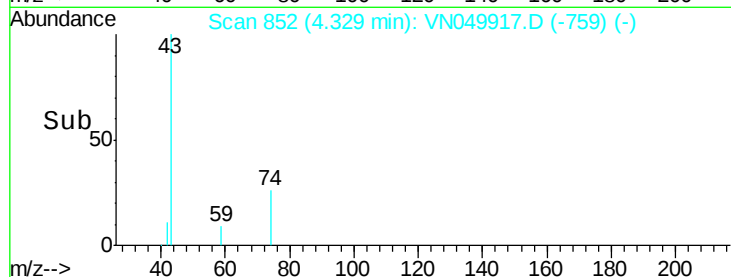
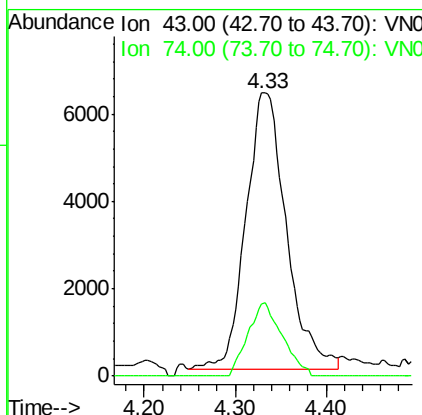
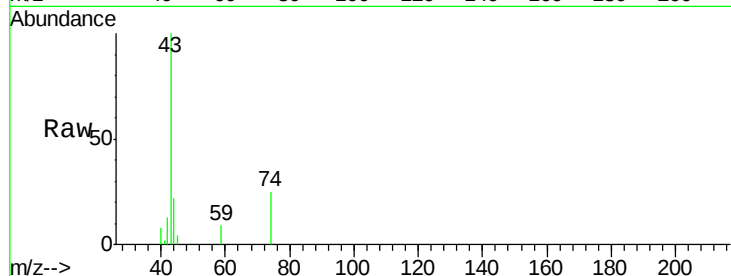




#18
Methvl Acetate
Concen: 2.25 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

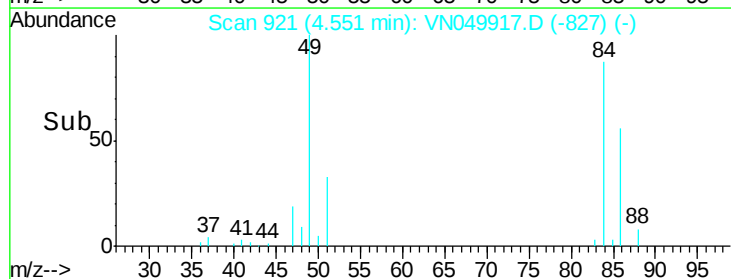
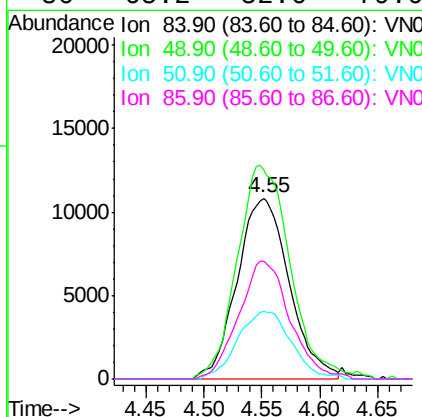
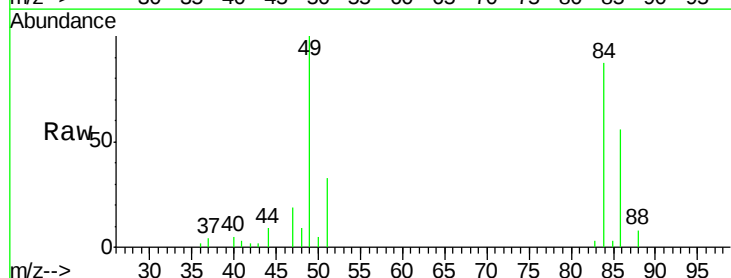
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#04

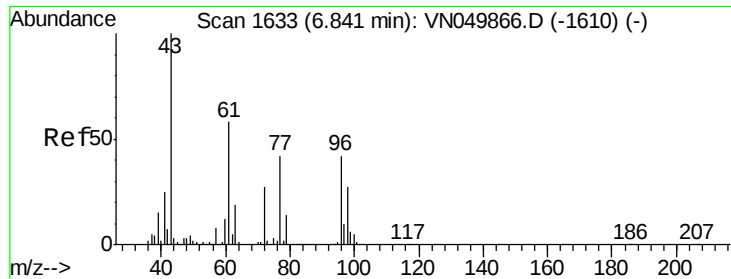
Tot Ion: 43 Resp: 19594
Ion Ratio Lower Upper
43 100
74 22.5 19.8 29.8



#20
Methylene Chloride
Concen: 4.33 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

Tgt Ion: 84 Resp: 33796
Ion Ratio Lower Upper
84 100
49 115.5 95.4 143.2
51 37.6 28.4 42.6
86 65.2 52.6 79.0

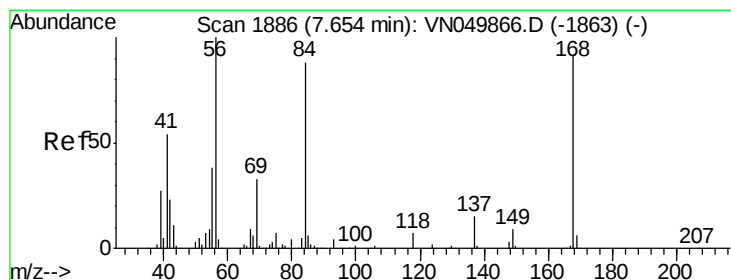
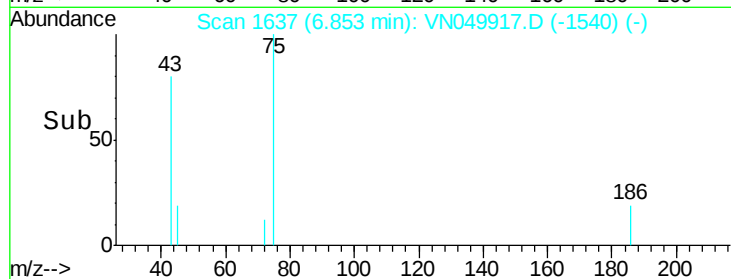
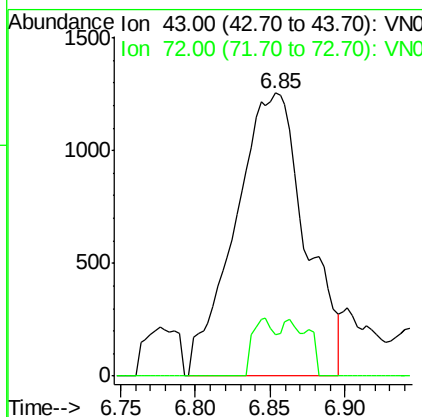
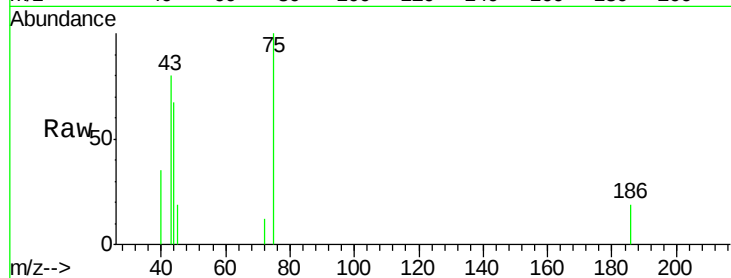




#25
2-Butanone
Concen: 1.40 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

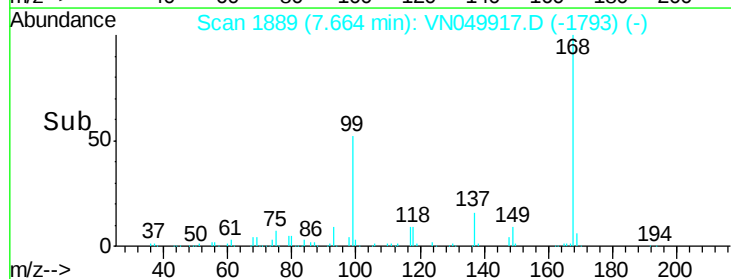
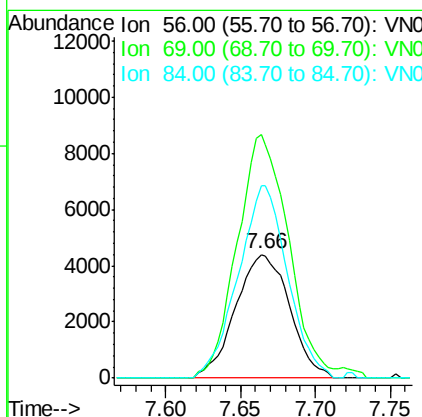
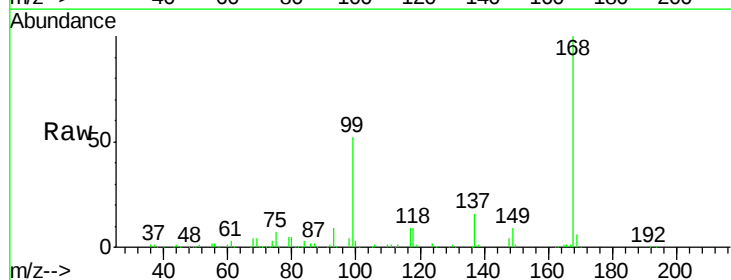
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#04

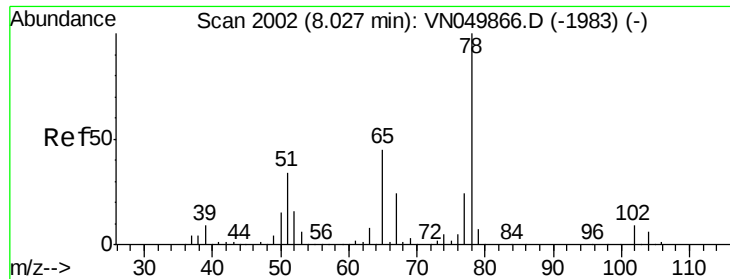
Tot Ion: 43 Resp: 4114
Ion Ratio Lower Upper
43 100
72 14.5 22.1 33.1#



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

Tgt Ion: 56 Resp: 11073
Ion Ratio Lower Upper
56 100
69 197.2 26.6 40.0#
84 155.8 69.0 103.6#

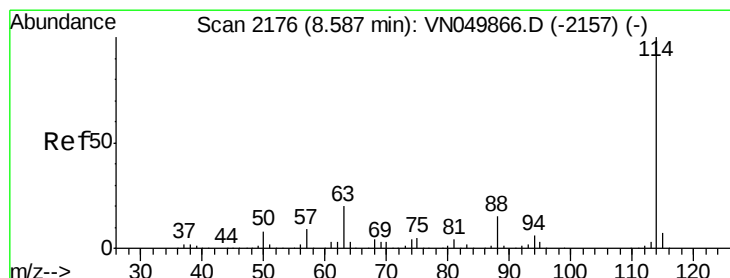
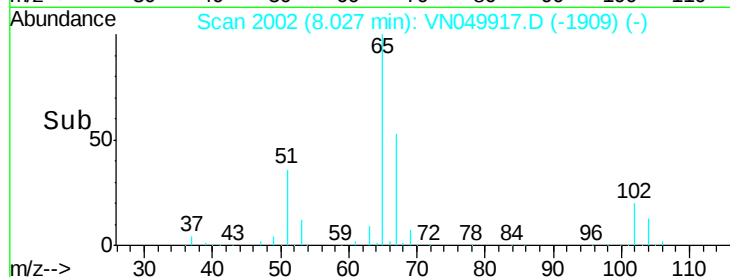
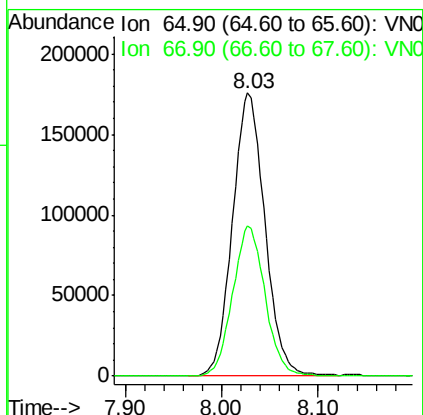
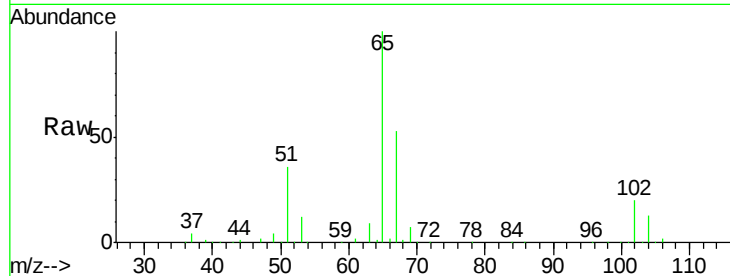




#33
 1,2-Dichloroethane-d4
 Concen: 51.55 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049917.D
 Acq: 19 Jul 2018 15:33

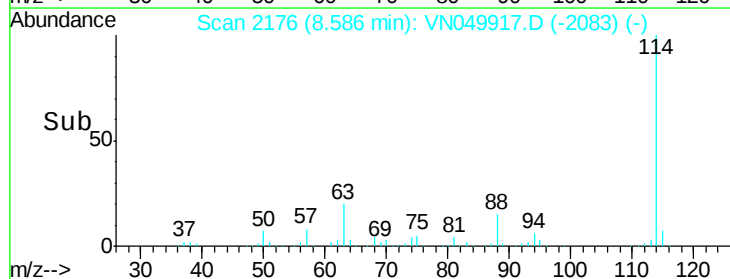
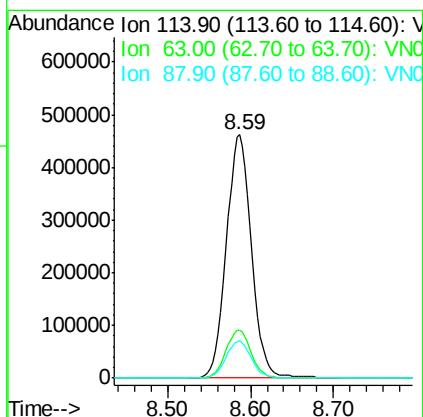
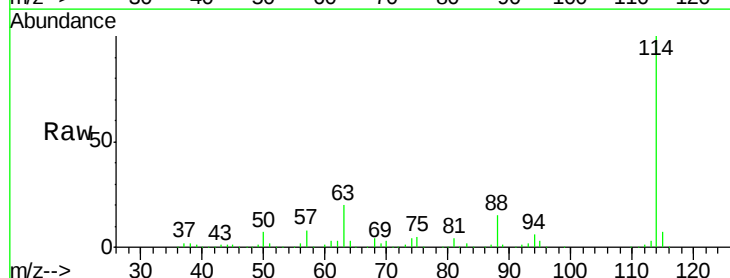
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#04

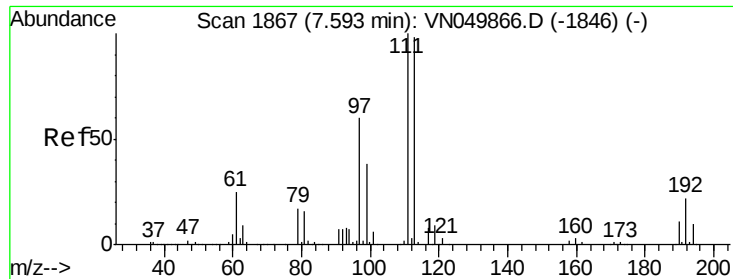
Tot Ion: 65 Resp: 408671
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049917.D
 Acq: 19 Jul 2018 15:33

Tgt Ion: 114 Resp: 973507
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.2 0.0 30.6

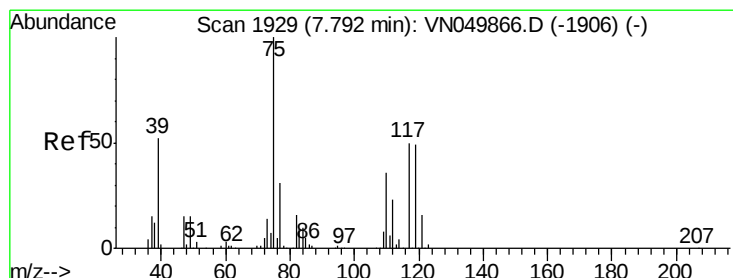
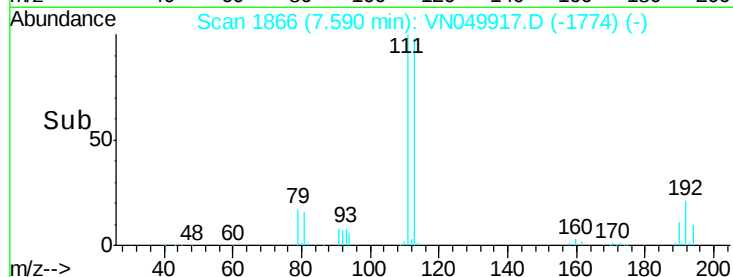
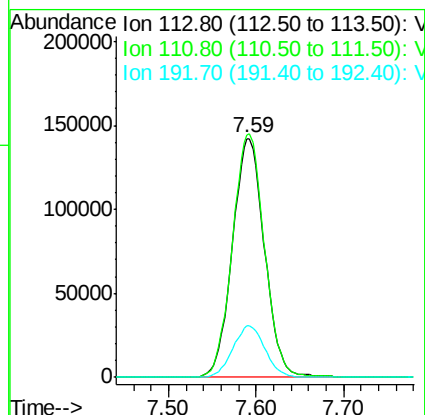
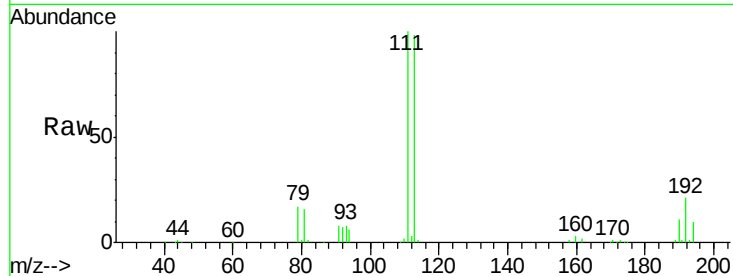




#35
 Dibromofluoromethane
 Concen: 44.23 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049917.D
 Acq: 19 Jul 2018 15:33

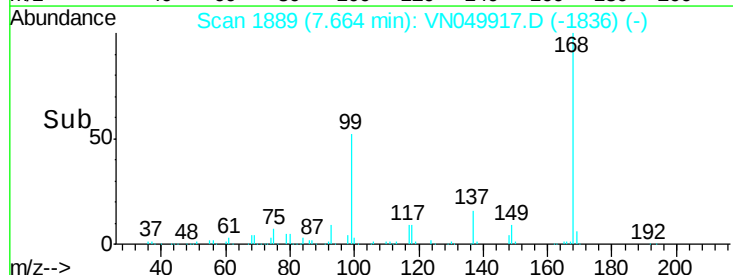
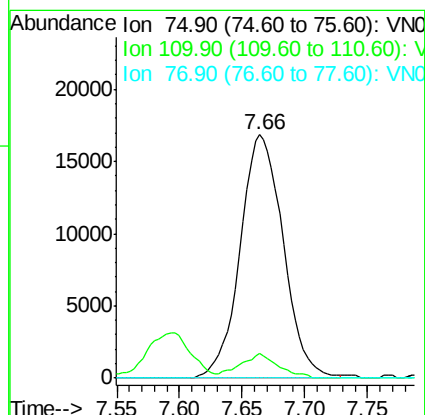
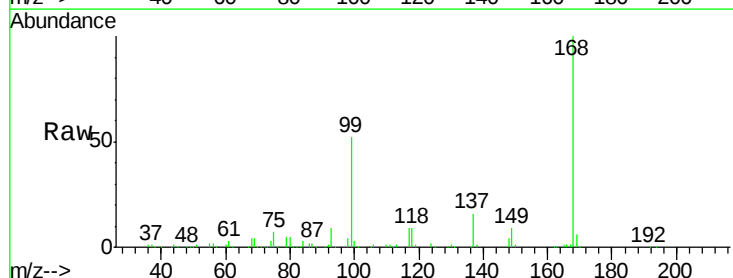
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#04

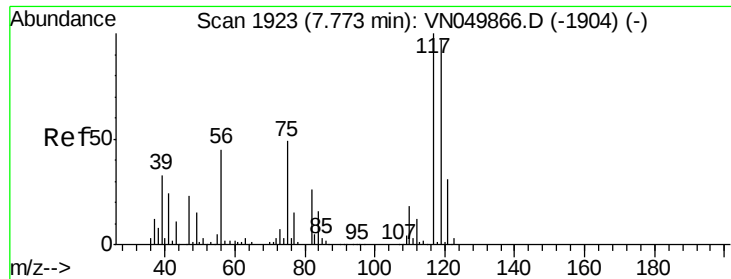
Tot Ion:113 Resp: 361455
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.8 122.8
 192 21.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.71 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049917.D
 Acq: 19 Jul 2018 15:33

Tgt Ion: 75 Resp: 40168
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.4#
 77 0.0 24.9 37.3#

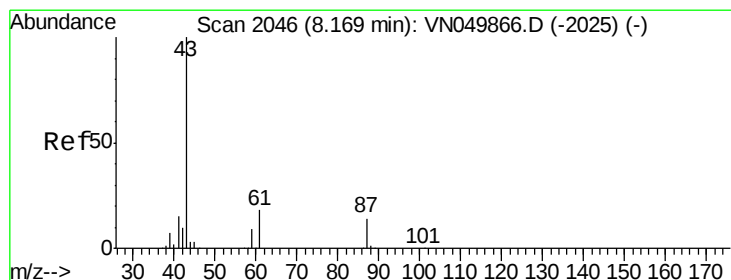
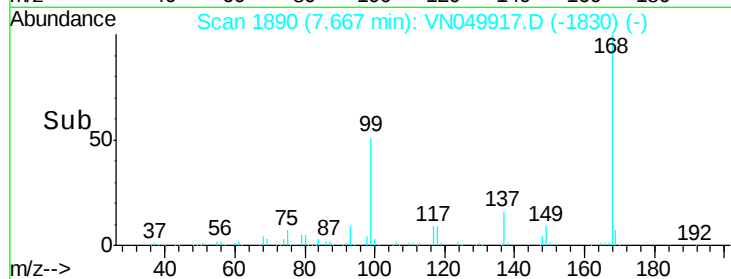
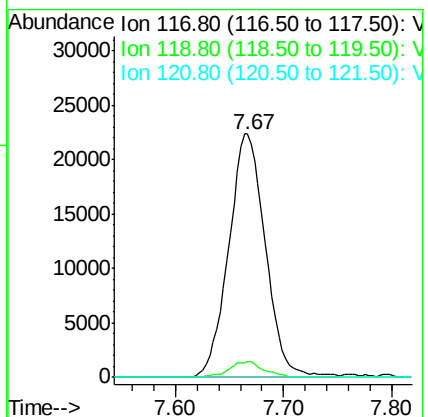
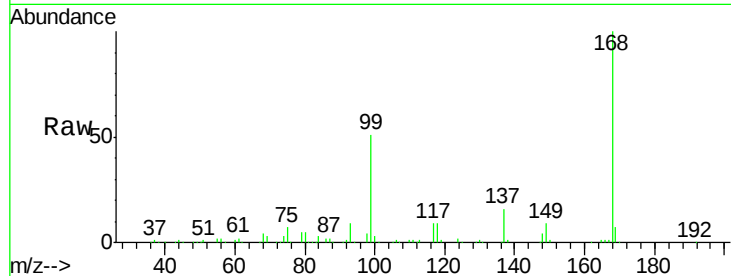




#38
Carbon Tetrachloride
Concen: 4.57 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

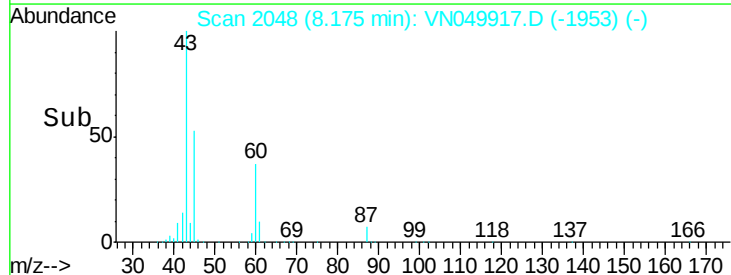
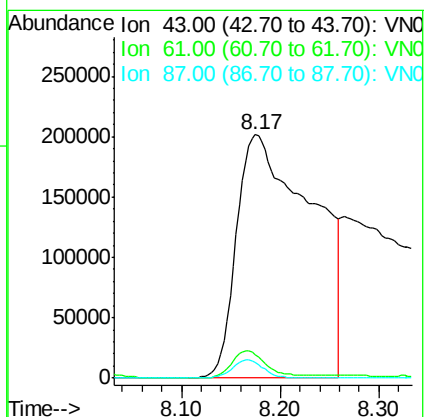
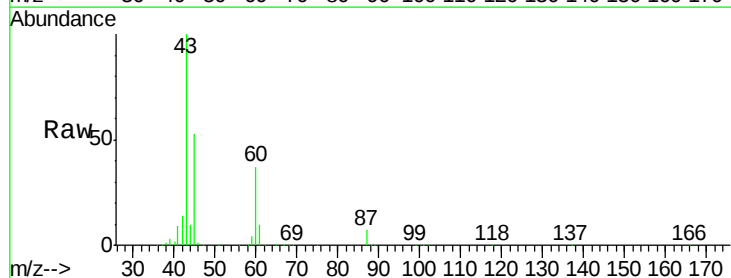
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#04

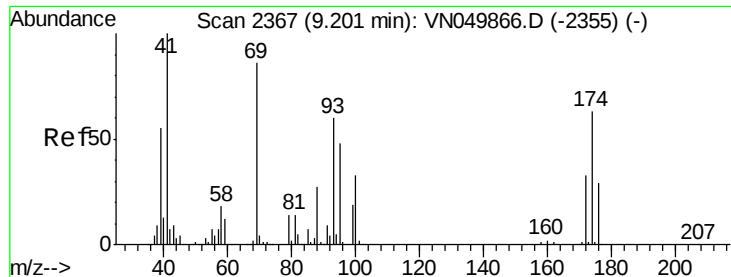
Tot Ion:117 Resp: 52960
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 82.07 ug/l
RT: 8.17 min Scan# 2048
Delta R.T. 0.01 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

Tgt Ion: 43 Resp: 1065810
Ion Ratio Lower Upper
43 100
61 5.7 14.9 22.3#
87 3.1 10.0 15.0#

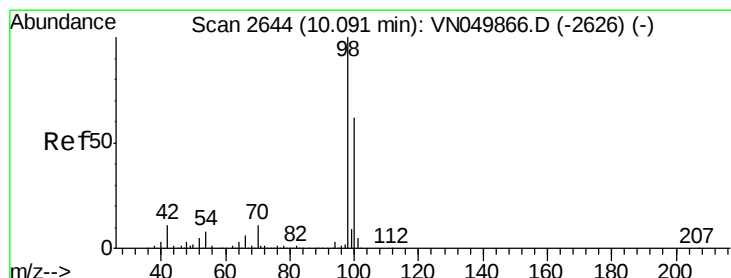
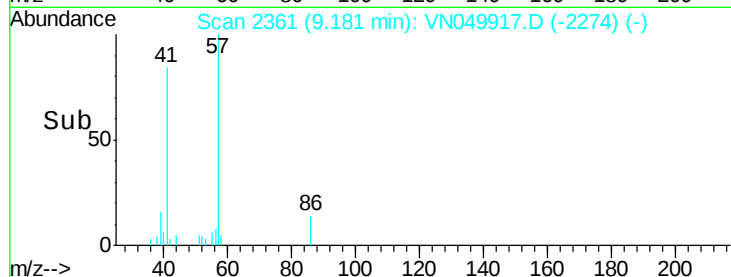
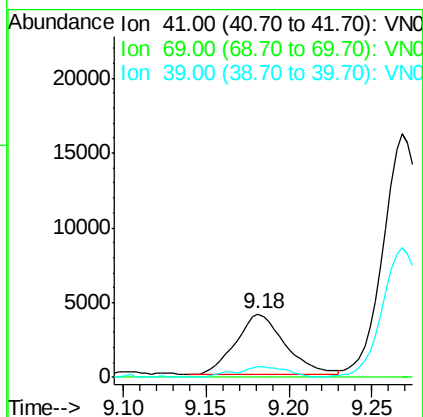
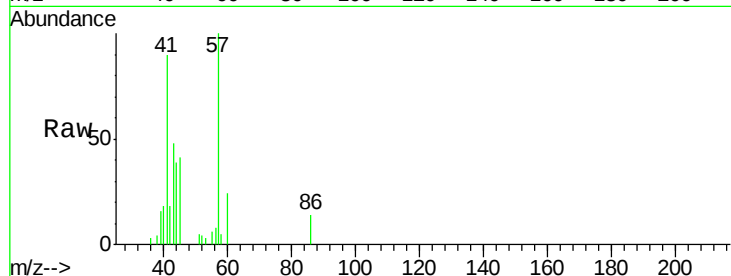




#48
Methvl methacrylate
Concen: 1.26 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

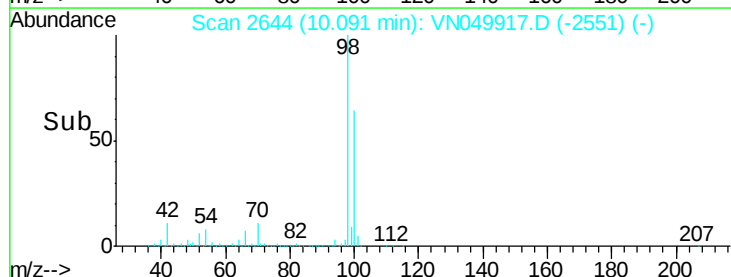
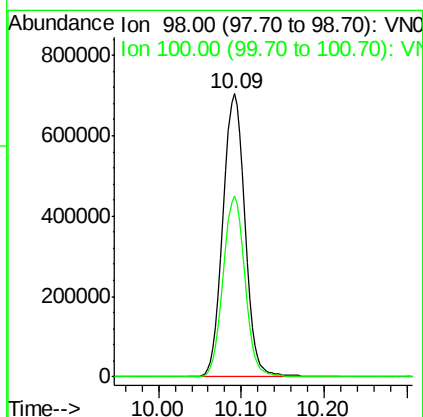
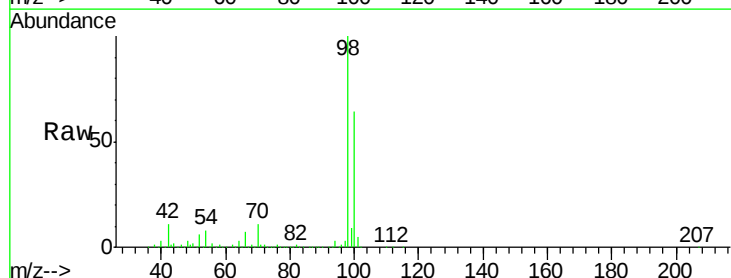
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#04

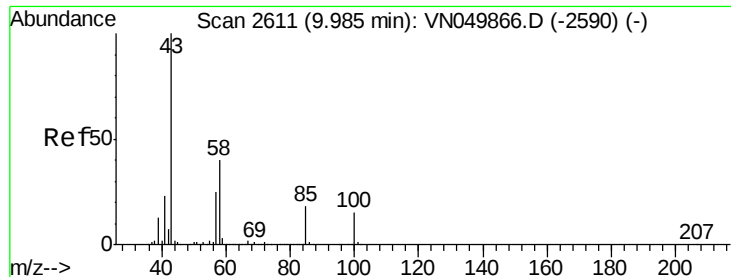
Tot Ion: 41 Resp: 8215
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 19.1 44.7 67.1#



#50
Toluene-d8
Concen: 43.76 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

Tgt Ion: 98 Resp: 1303021
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.30 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

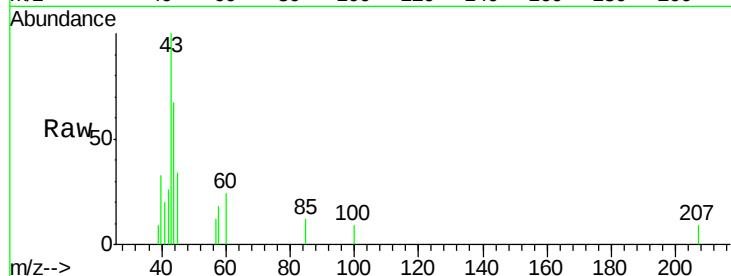
PB111251ZHE#04

Tot Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

58 37.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-2590) (-)

9.99

2500

2000

1500

1000

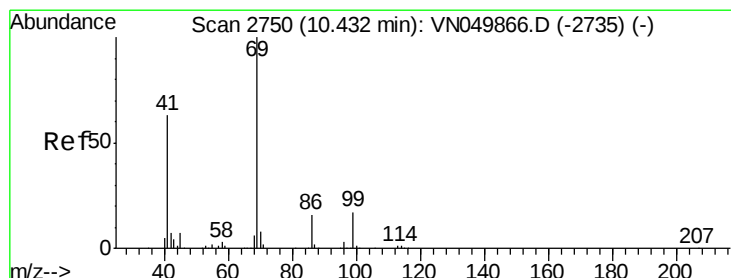
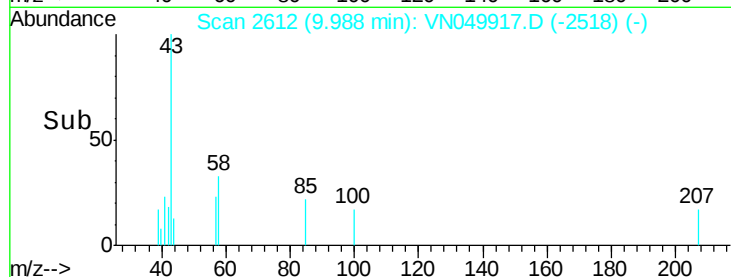
500

0

9.95

10.00

Time-->



#56

Ethyl methacrylate

Concen: 2.18 ug/l

RT: 10.26 min Scan# 2698

Delta R.T. -0.17 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

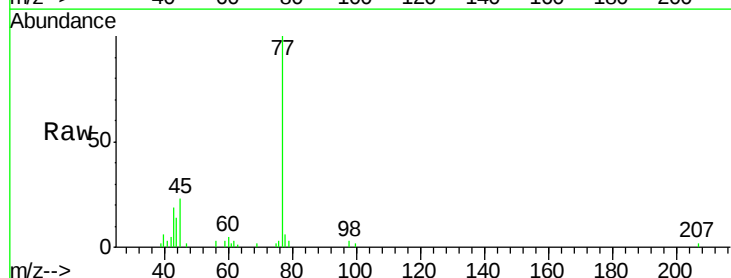
Tgt Ion: 69 Resp: 254

Ion Ratio Lower Upper

69 100

41 530.3 51.6 77.4#

39 254.3 25.8 38.8#



Abundance Ion 69.00 (68.70 to 69.70): VN049866.D (-2735) (-)

Ion 41.00 (40.70 to 41.70): VN049866.D (-2735) (-)

Ion 39.00 (38.70 to 39.70): VN049866.D (-2735) (-)

800

600

400

200

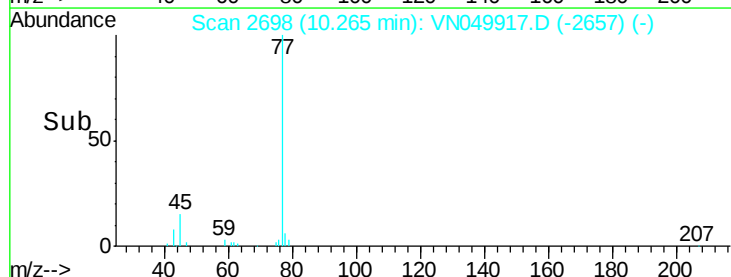
0

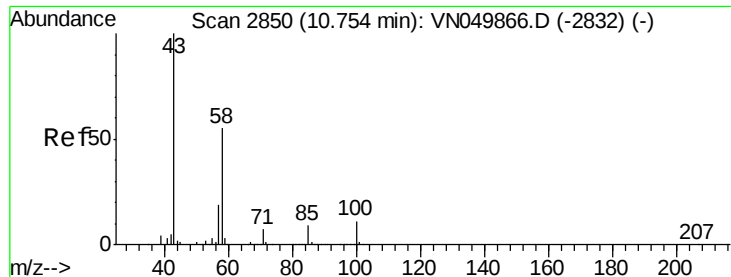
10.26

10.28

10.30

Time-->





#59

2-Hexanone

Concen: 4.13 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

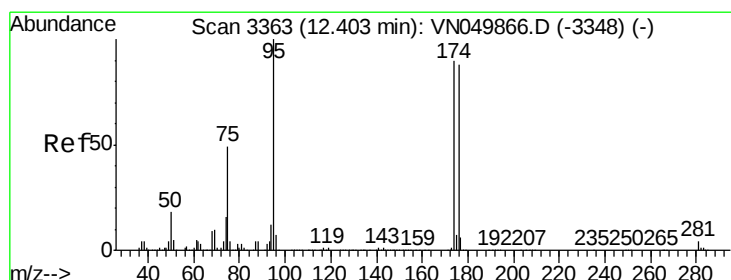
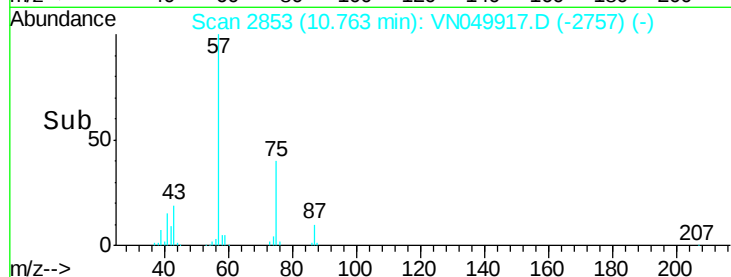
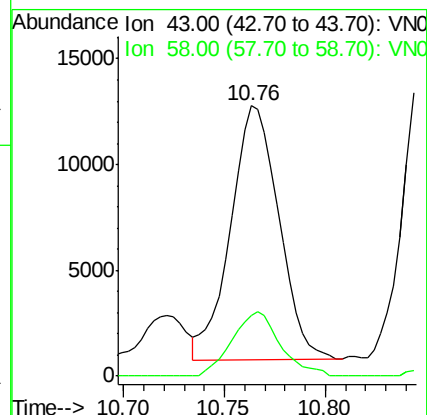
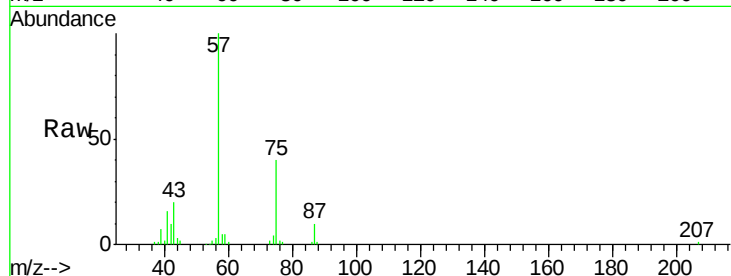
PB111251ZHE#04

Tot Ion: 43 Resp: 20157

Ion Ratio Lower Upper

43 100

58 25.2 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 36.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

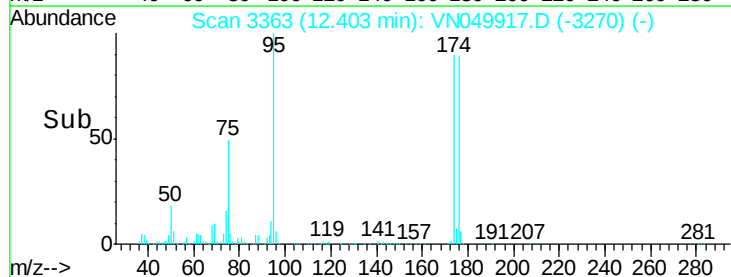
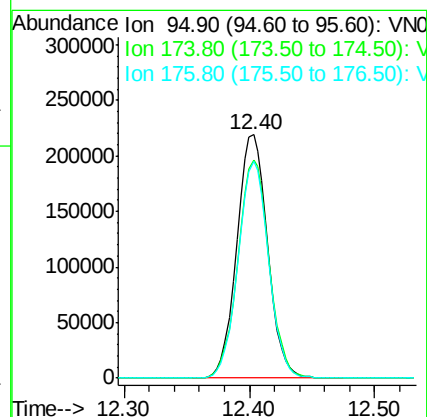
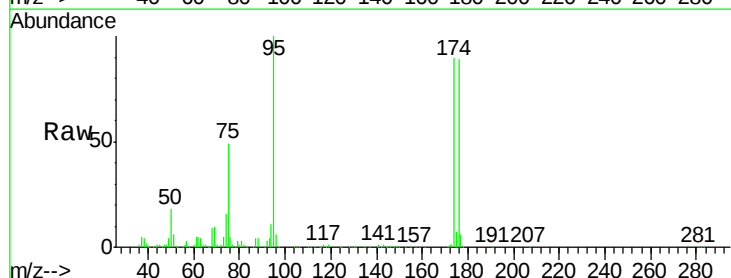
Tgt Ion: 95 Resp: 373266

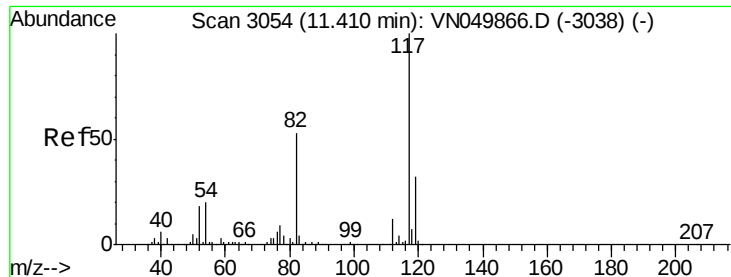
Ion Ratio Lower Upper

95 100

174 90.2 0.0 179.6

176 88.2 0.0 174.0

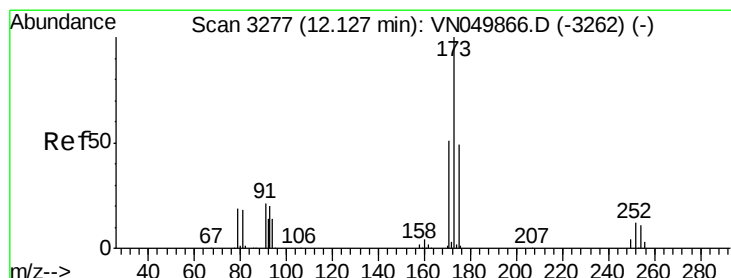
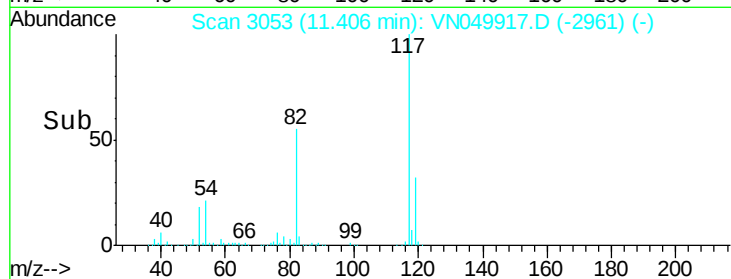
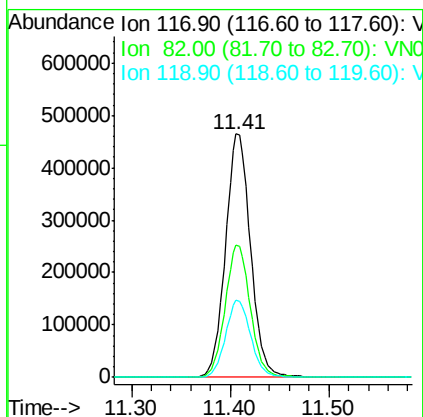
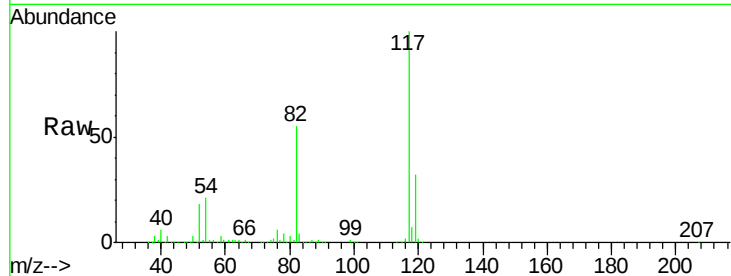




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

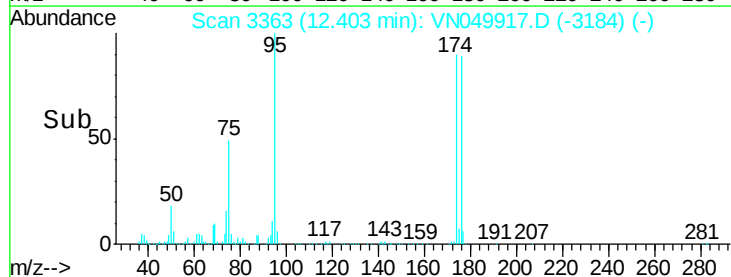
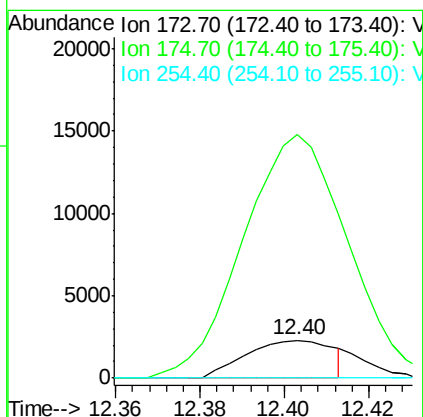
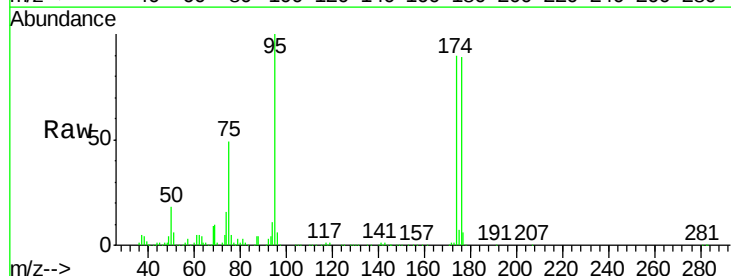
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#04

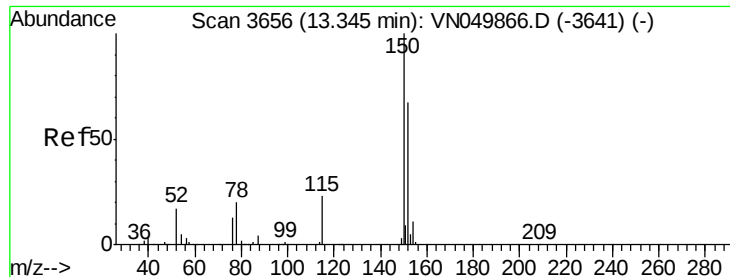
Tot Ion:117 Resp: 825975
Ion Ratio Lower Upper
117 100
82 54.5 41.9 62.9
119 31.5 25.4 38.2



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049917.D
Acq: 19 Jul 2018 15:33

Tgt Ion:173 Resp: 3259
Ion Ratio Lower Upper
173 100
175 656.5 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#04

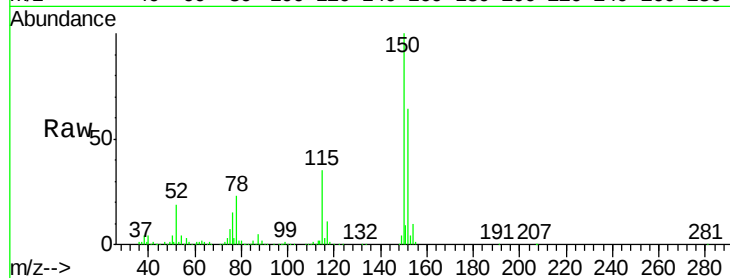
Tot Ion:152 Resp: 323774

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

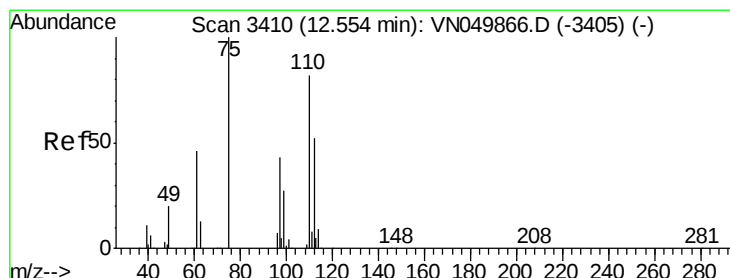
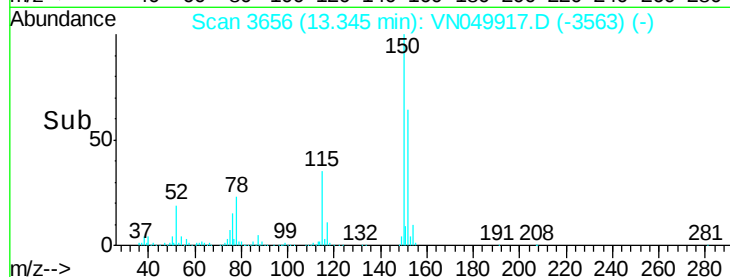
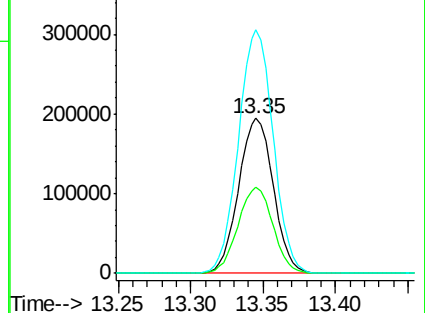
150 157.0 0.0 347.6



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: 30.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049917.D

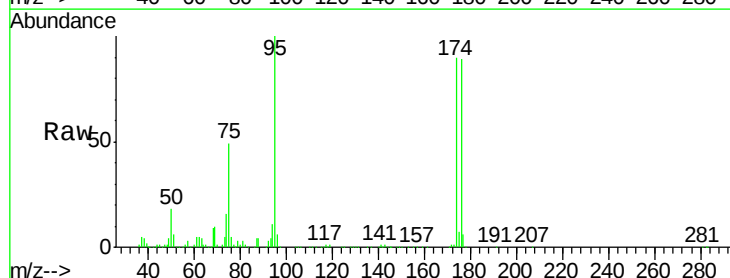
Acq: 19 Jul 2018 15:33

Tgt Ion: 75 Resp: 182314

Ion Ratio Lower Upper

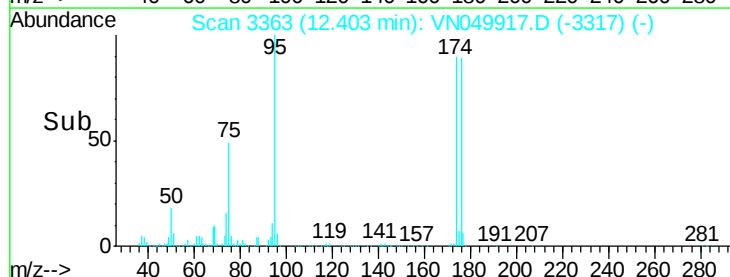
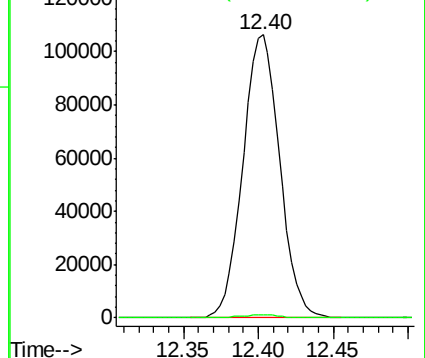
75 100

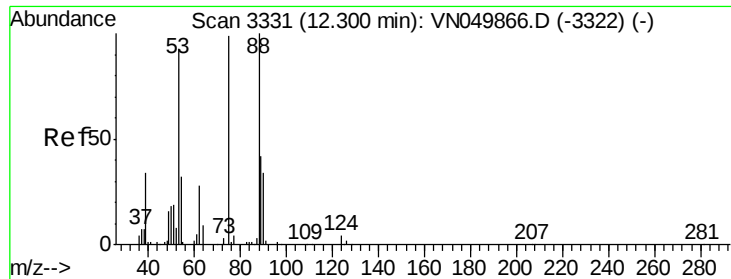
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 93.86 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#04

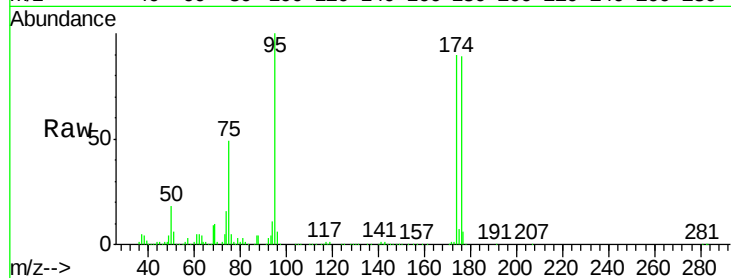
Tot Ion: 75 Resp: 182314

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

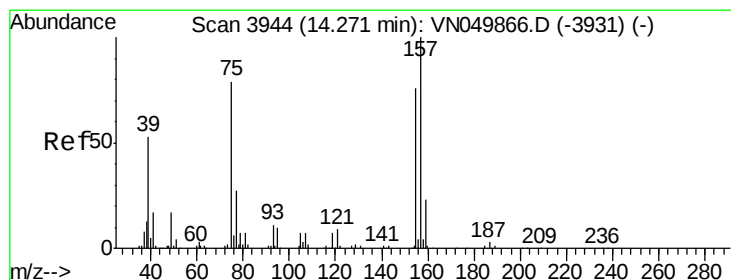
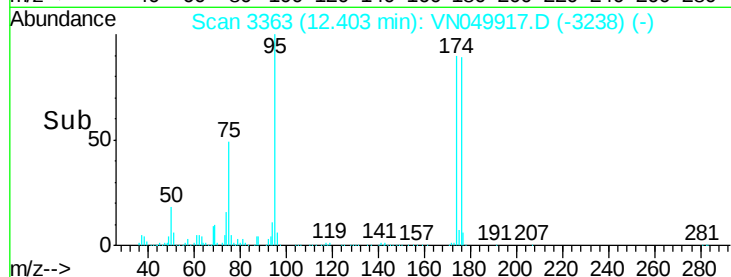
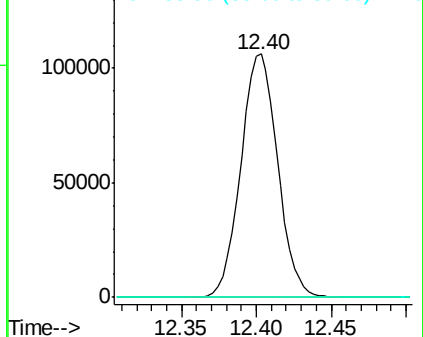
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.29 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049917.D

Acq: 19 Jul 2018 15:33

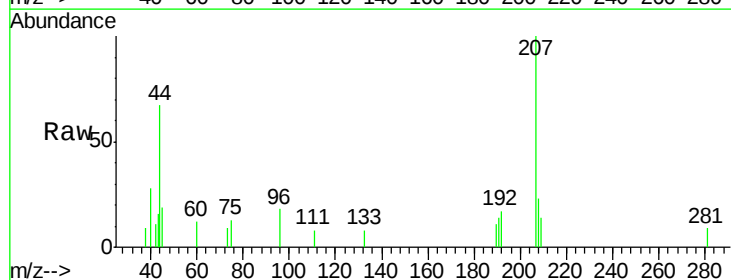
Tgt Ion: 75 Resp: 326

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

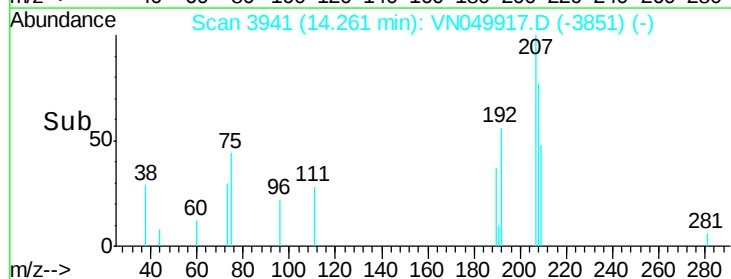
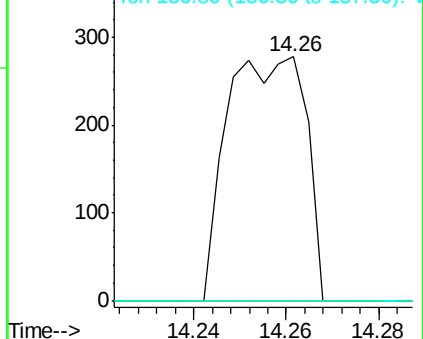
157 0.0 56.9 170.7#

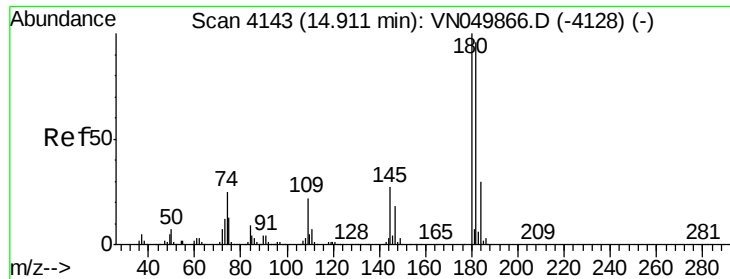


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

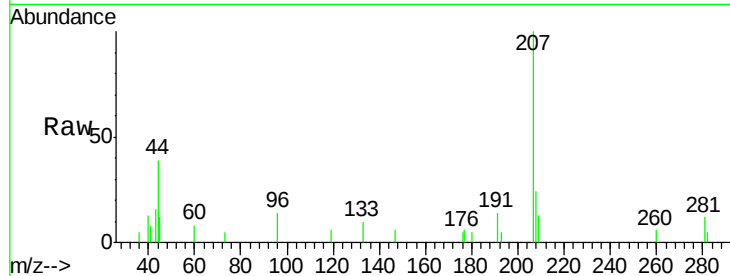




#93
 1,2,4-Trichlorobenzene
 Concen: 3.49 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049917.D
 Acq: 19 Jul 2018 15:33

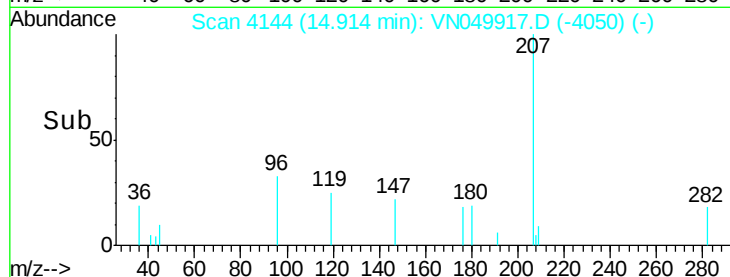
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#04

Tot Ion:180 Resp: 62
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 0.0 14.4 43.0#

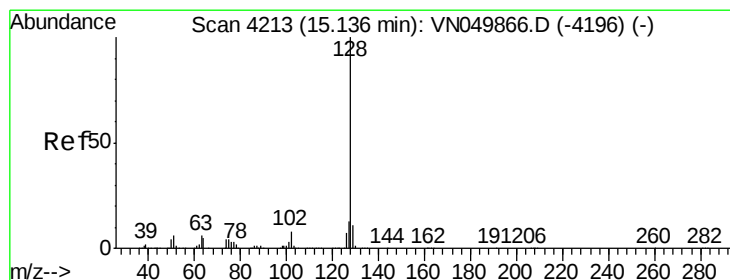


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

14.91

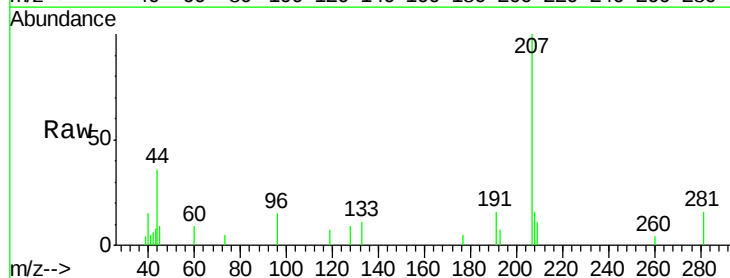


Time--> 14.90 14.91 14.92



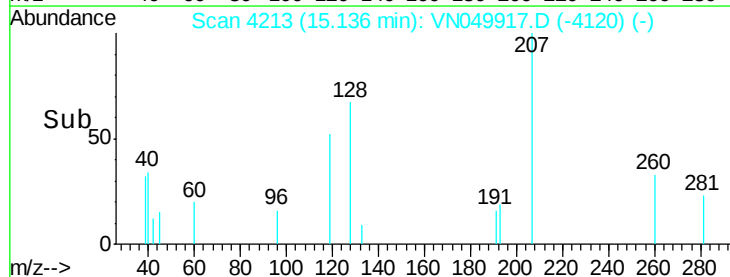
#95
 Naphthalene
 Concen: 4.52 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049917.D
 Acq: 19 Jul 2018 15:33

Tgt Ion:128 Resp: 472
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 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

15.14



Time--> 15.12 15.14 15.16