

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050336.D
 Acq On : 4 Aug 2018 1:45
 Operator : MD\SY
 Sample : PB111719ZHE#16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#16

Quant Time: Aug 04 05:35:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	636050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1072803	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	942228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	385782	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	459358	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	7.59	113	401018	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
50) Toluene-d8	10.09	98	1473535	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
62) 4-Bromofluorobenzene	12.40	95	430331	40.58	ug/l	0.00
Spiked Amount			Recovery	=	81.16%	

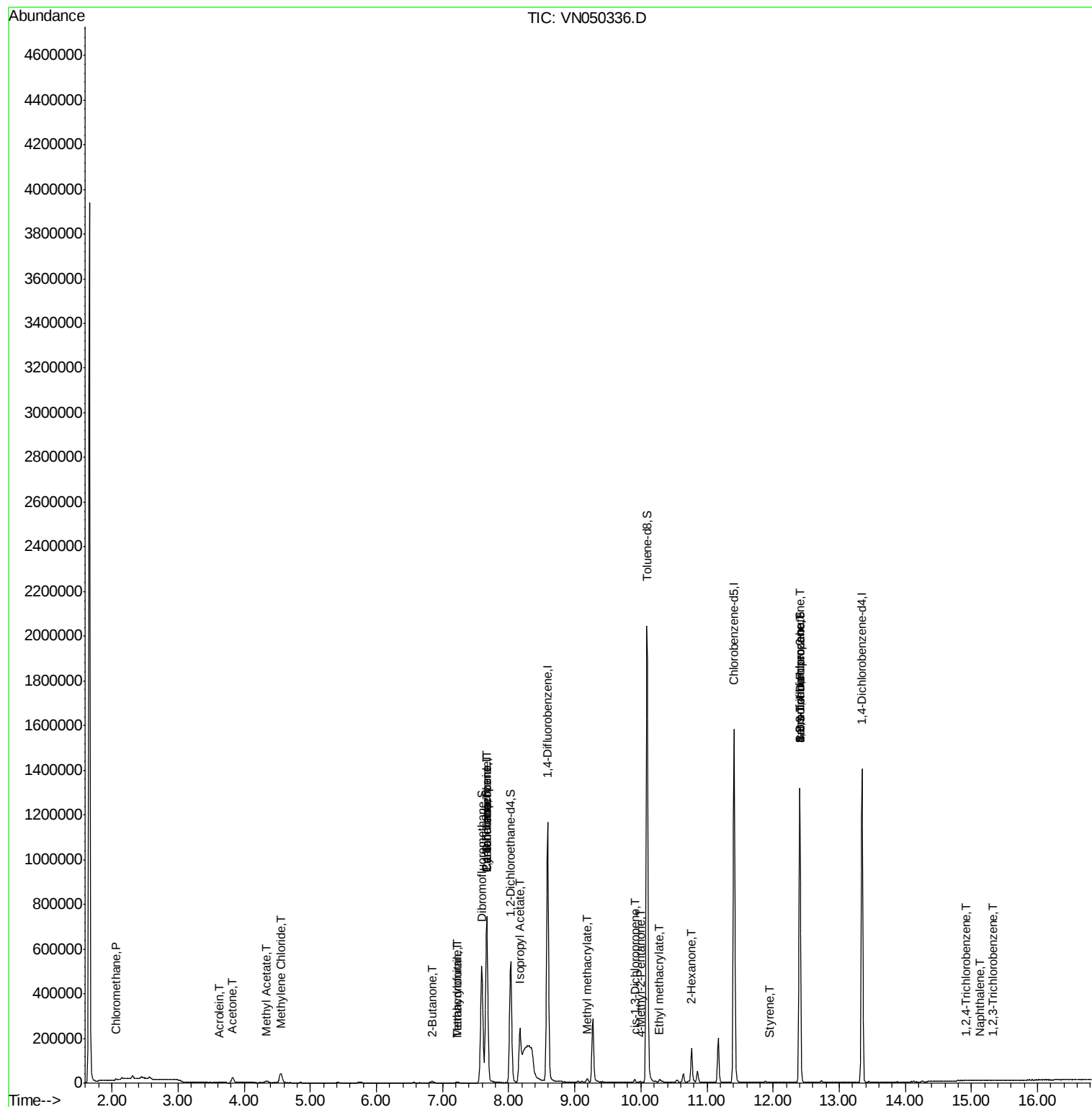
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3457	0.35	ug/l	92
5) Bromomethane	2.56	94	4423	Below Cal		97
13) Acrolein	3.61	56	646	1.23	ug/l	84
16) Acetone	3.83	43	41730	15.90	ug/l	97
18) Methyl Acetate	4.33	43	14926	0.21	ug/l	96
20) Methylene Chloride	4.55	84	33876	3.13	ug/l	96
25) 2-Butanone	6.85	43	6400	1.89	ug/l #	82
29) Tetrahydrofuran	7.22	42	1072	0.49	ug/l	91
31) Cyclohexane	7.67	56	11425	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44089	3.65	ug/l #	49
38) Carbon Tetrachloride	7.67	117	58545	4.56	ug/l #	16
41) Methacrylonitrile	7.22	41	787	2.92	ug/l #	36
43) Isopropyl Acetate	8.17	43	307587	18.65	ug/l	93
48) Methyl methacrylate	9.18	41	8833	1.22	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	3326	0.40	ug/l #	83
54) cis-1,3-Dichloropropene	9.90	75	2828	0.21	ug/l #	71
56) Ethyl methacrylate	10.28	69	156	2.04	ug/l #	1
59) 2-Hexanone	10.77	43	21304	8.60	ug/l #	57
70) Styrene	11.96	104	409	0.94	ug/l #	78
71) Bromoform	12.40	173	3166	0.48	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.57	83	29	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	211679	29.53	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	211679	93.65	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	350	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	308	3.13	ug/l #	84
95) Naphthalene	15.13	128	1055	4.47	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.33	180	146	2.22	ug/l #	78

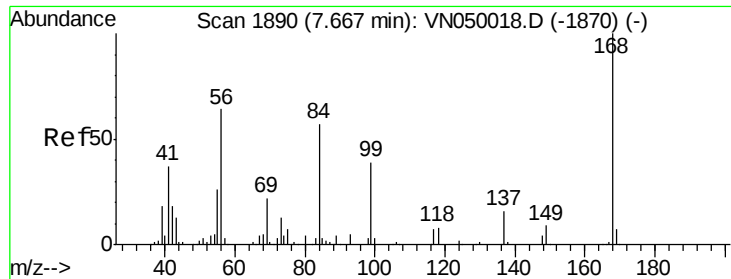
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080318\
Data File : VN050336.D
Acq On : 4 Aug 2018 1:45
Operator : MD\SY
Sample : PB111719ZHE#16
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#16

Quant Time: Aug 04 05:35:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 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: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

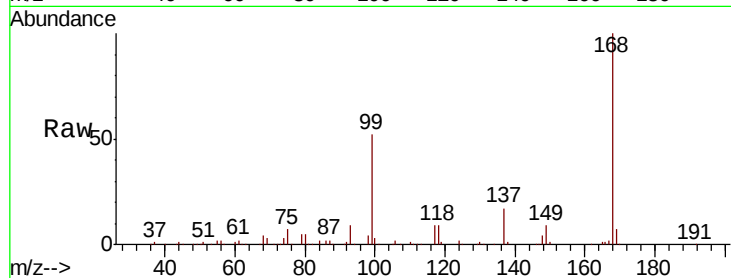
PB111719ZHE#16

Tot Ion:168 Resp: 636050

Ion Ratio Lower Upper

168 100

99 52.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

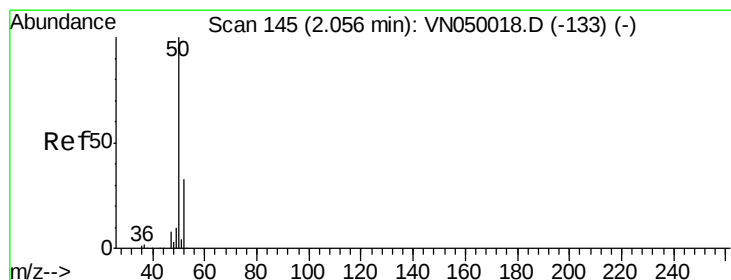
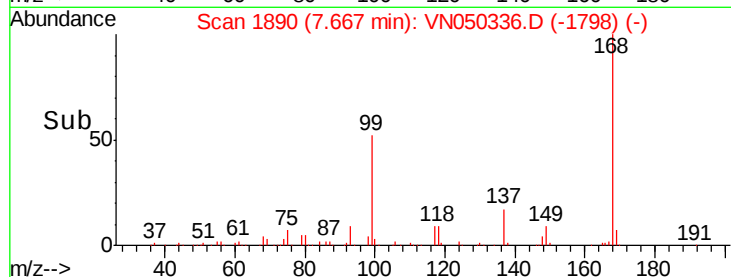
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: 0.35 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050336.D

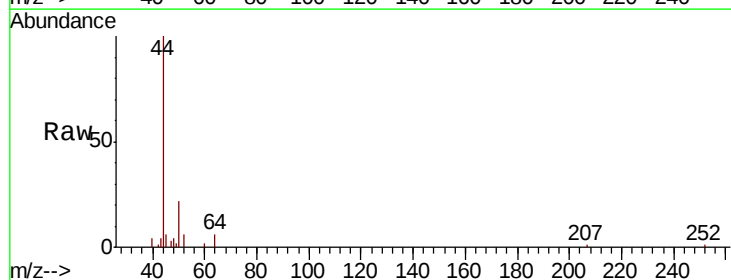
Acq: 4 Aug 2018 1:45

Tgt Ion: 50 Resp: 3457

Ion Ratio Lower Upper

50 100

52 27.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

3000

2500

2000

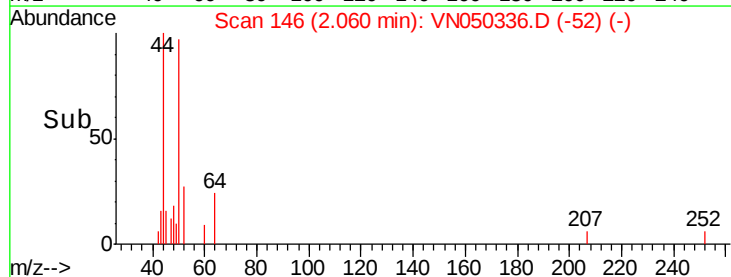
1500

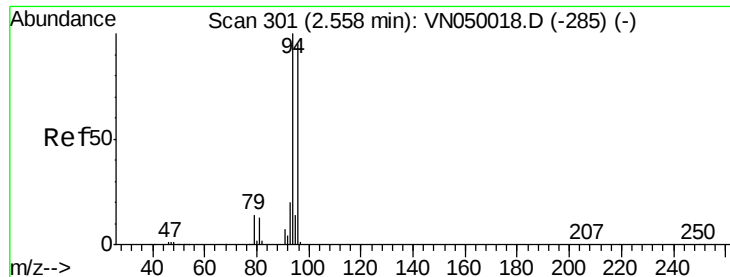
1000

500

0

Time--> 2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

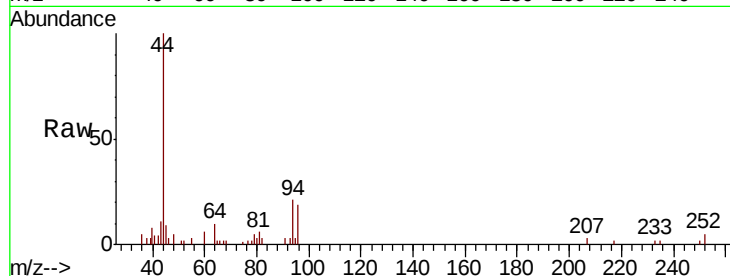
PB111719ZHE#16

Tot Ion: 94 Resp: 4423

Ion Ratio Lower Upper

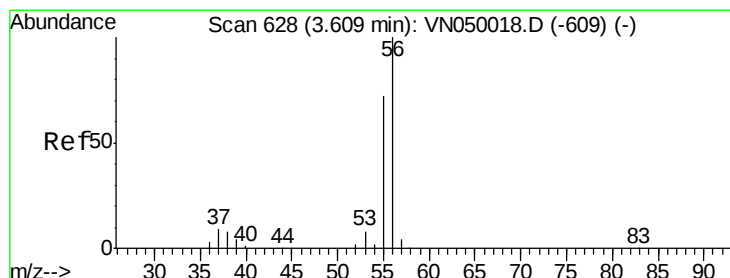
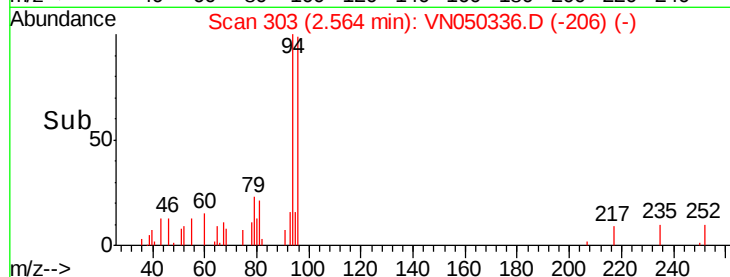
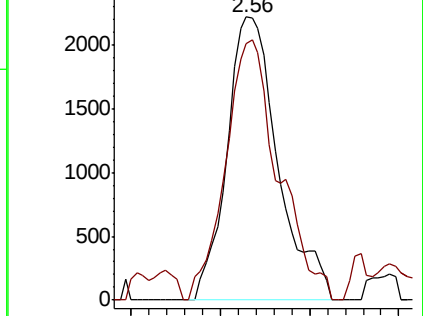
94 100

96 90.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 1.23 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050336.D

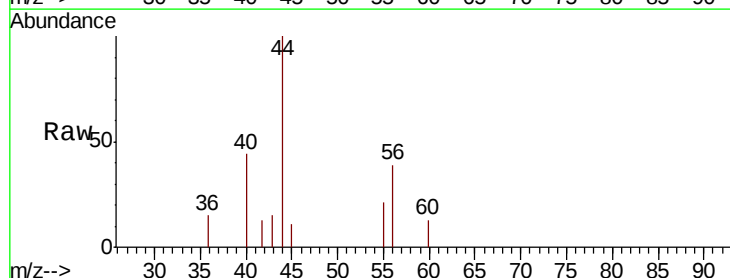
Acq: 4 Aug 2018 1:45

Tgt Ion: 56 Resp: 646

Ion Ratio Lower Upper

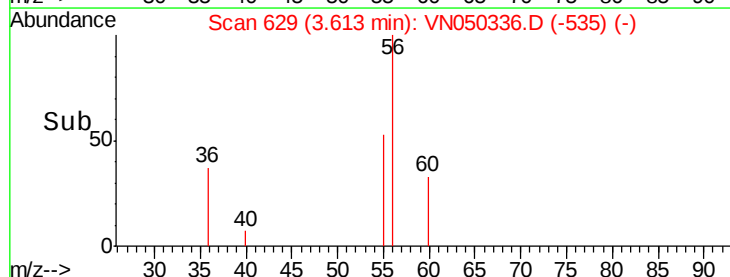
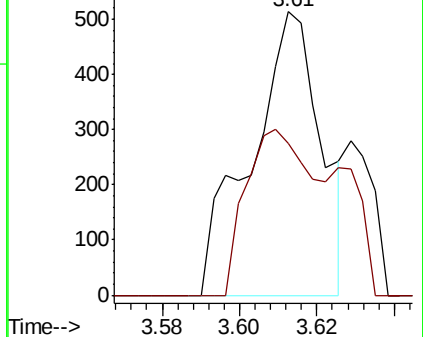
56 100

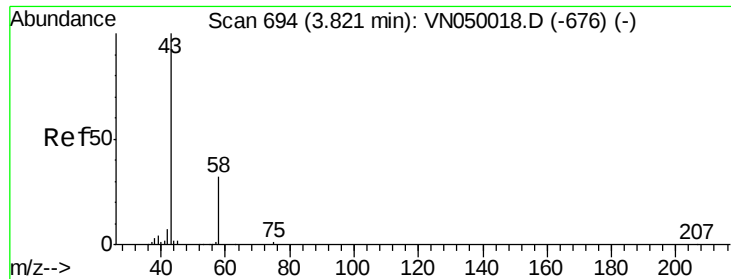
55 56.8 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 15.90 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

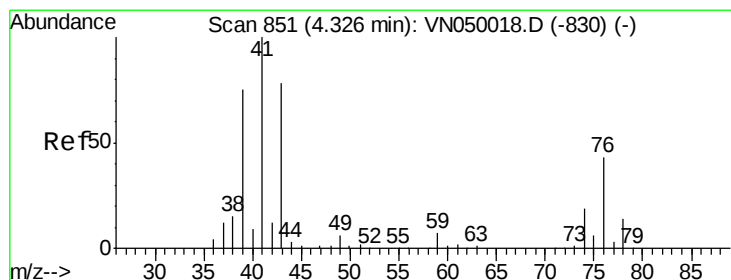
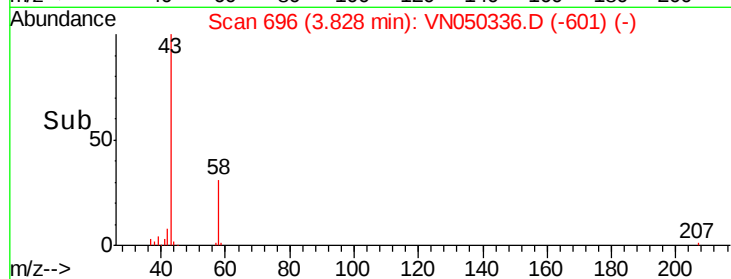
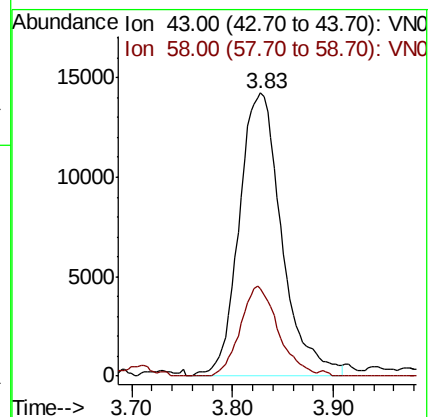
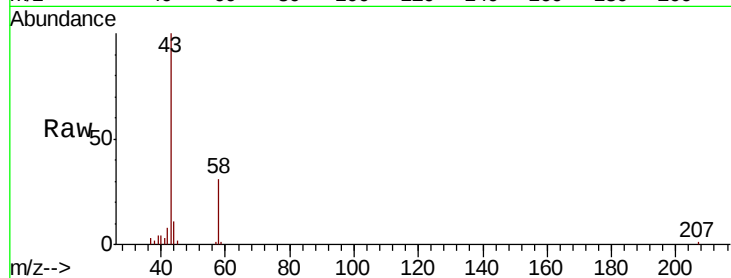
PB111719ZHE#16

Tot Ion: 43 Resp: 41730

Ion Ratio Lower Upper

43 100

58 30.7 25.8 38.8



#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.01 min

Lab File: VN050336.D

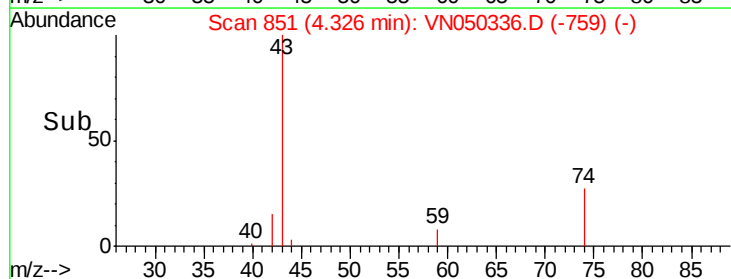
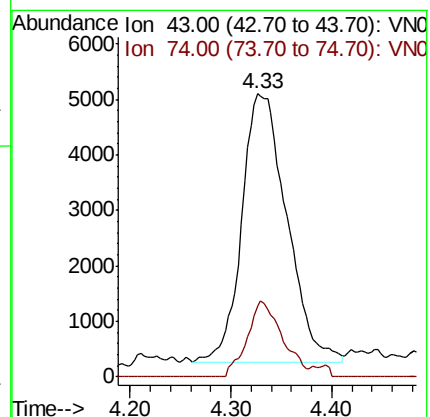
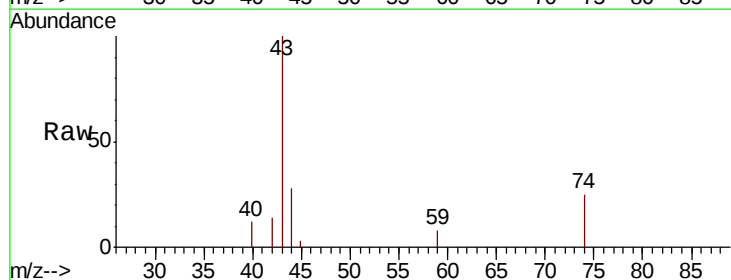
Acq: 4 Aug 2018 1:45

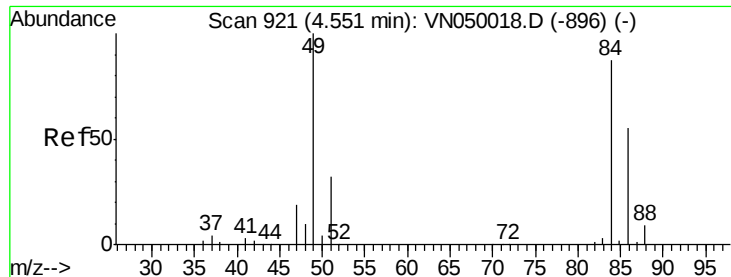
Tgt Ion: 43 Resp: 14926

Ion Ratio Lower Upper

43 100

74 22.2 19.2 28.8

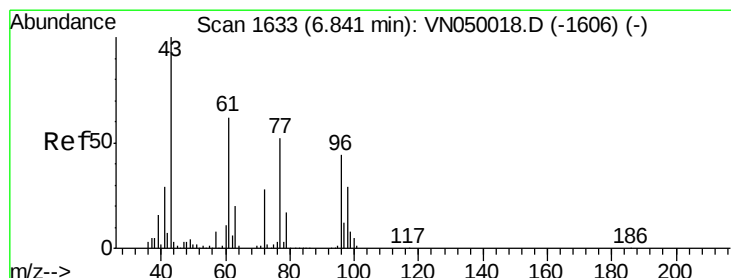
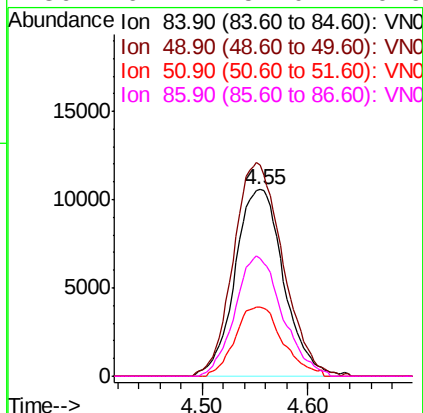
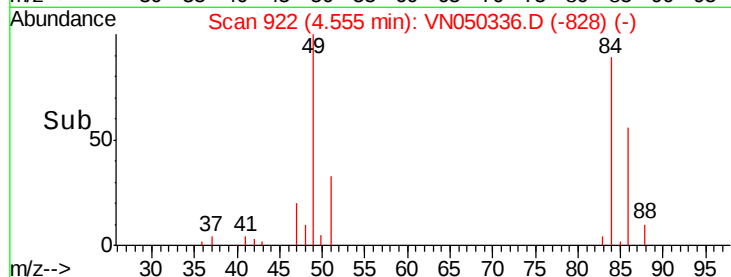
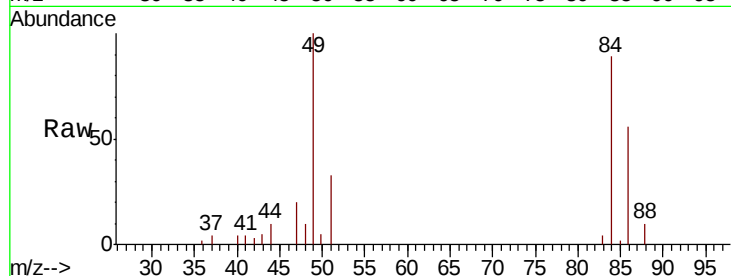




#20
Methvlene Chloride
Concen: 3.13 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050336.D
Acq: 4 Aug 2018 1:45

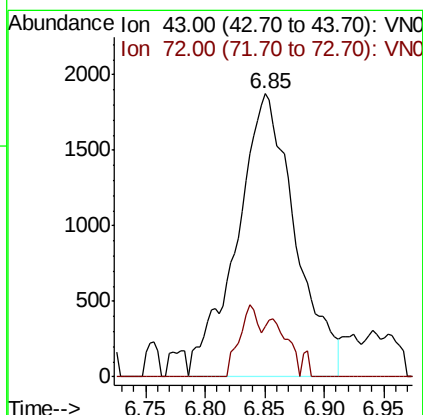
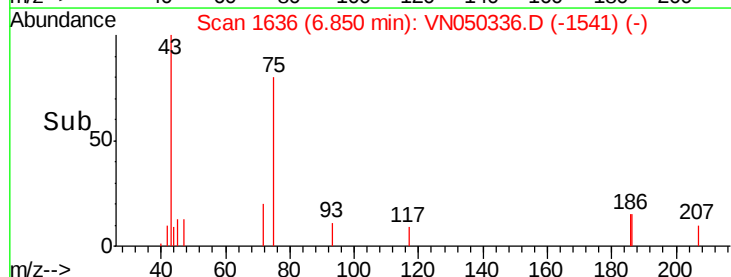
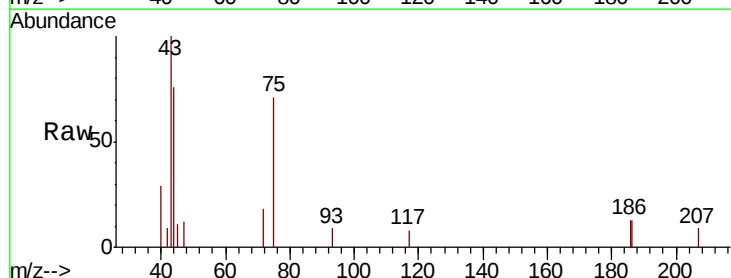
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#16

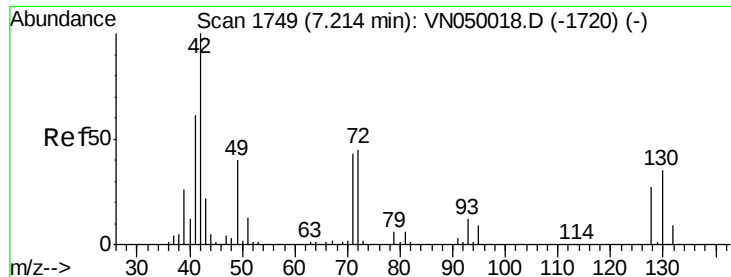
Tot Ion: 84 Resp: 33876
Ion Ratio Lower Upper
84 100
49 112.9 94.8 142.2
51 37.1 28.3 42.5
86 62.7 51.0 76.6



#25
2-Butanone
Concen: 1.89 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050336.D
Acq: 4 Aug 2018 1:45

Tgt Ion: 43 Resp: 6400
Ion Ratio Lower Upper
43 100
72 17.8 21.5 32.3#

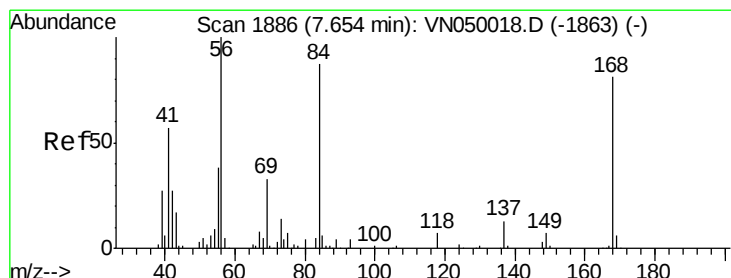
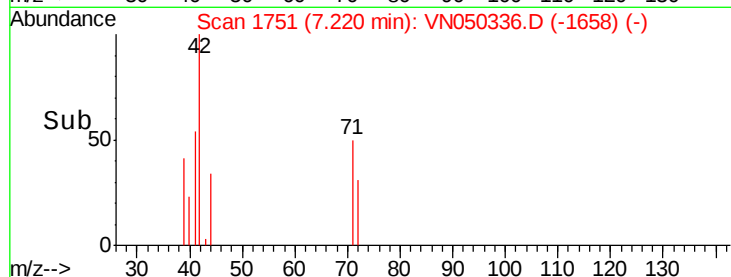
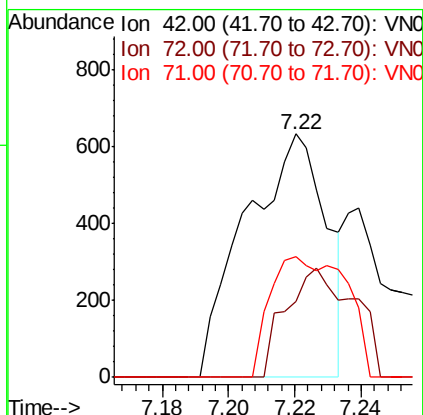
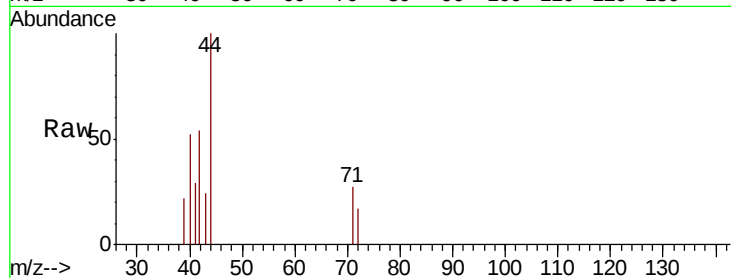




#29
Tetrahydrofuran
Concen: 0.49 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050336.D
Acq: 4 Aug 2018 1:45

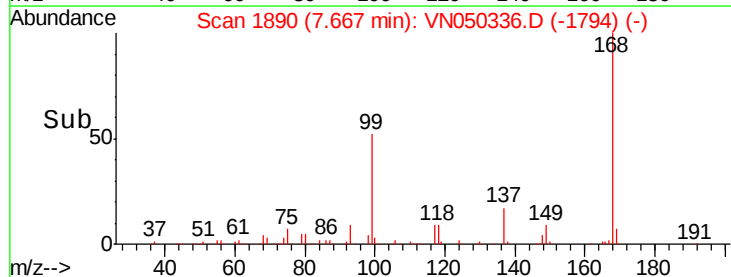
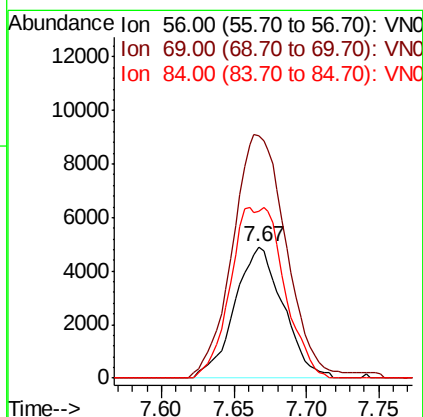
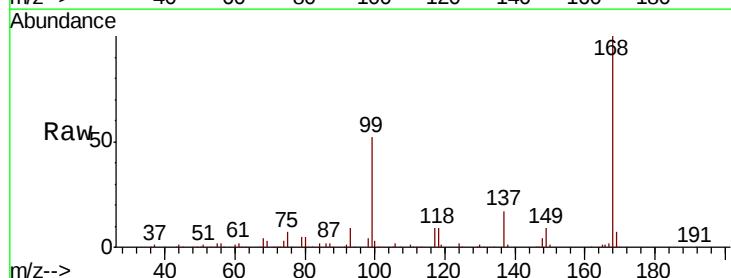
Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#16

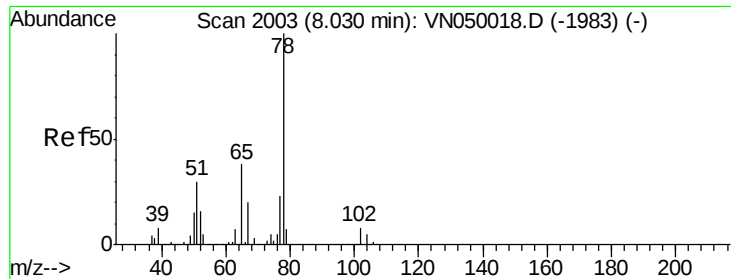
Tot Ion: 42 Resp: 1072
Ion Ratio Lower Upper
42 100
72 37.8 35.9 53.9
71 46.7 33.7 50.5



#31
Cyclohexane
Concen: 0.87 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050336.D
Acq: 4 Aug 2018 1:45

Tgt Ion: 56 Resp: 11425
Ion Ratio Lower Upper
56 100
69 184.8 26.2 39.4#
84 127.4 67.4 101.0#

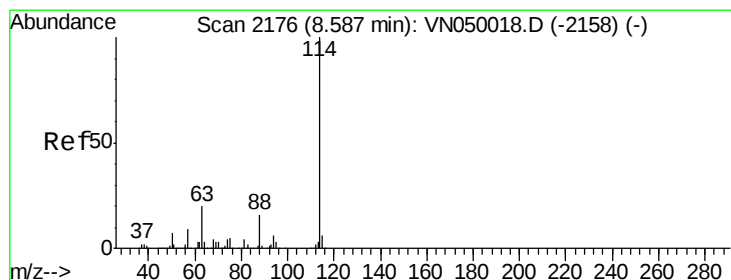
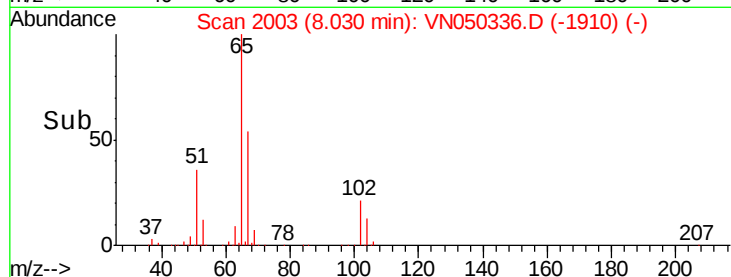
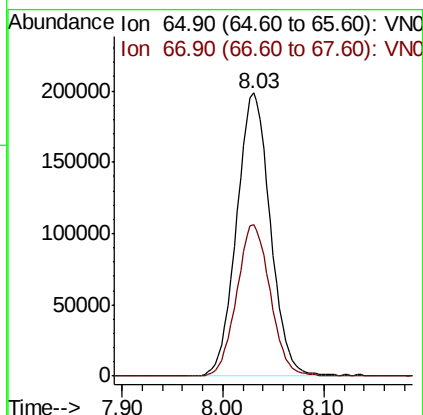
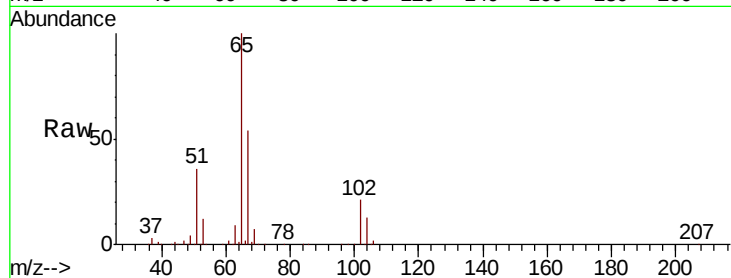




#33
 1,2-Dichloroethane-d4
 Concen: 51.76 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

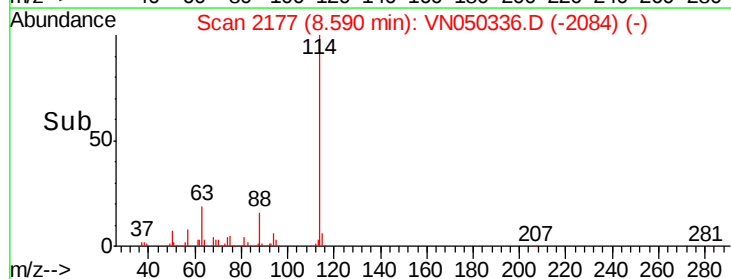
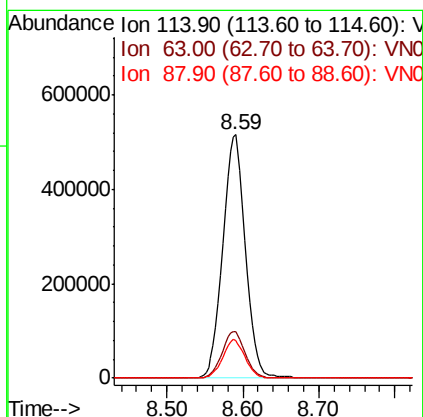
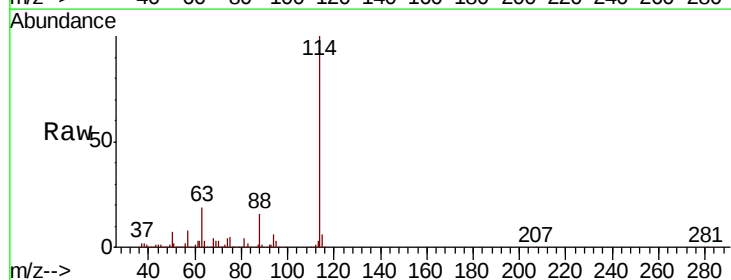
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#16

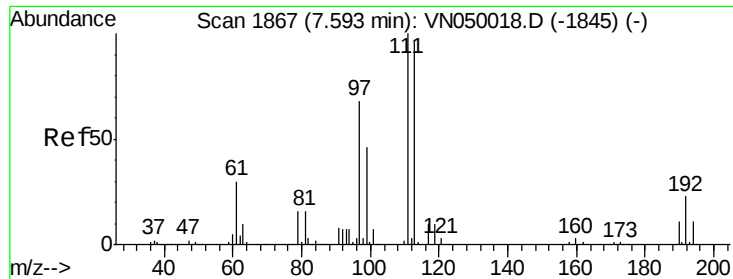
Tot Ion: 65 Resp: 459358
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

Tgt Ion: 114 Resp: 1072803
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 15.6 0.0 31.2

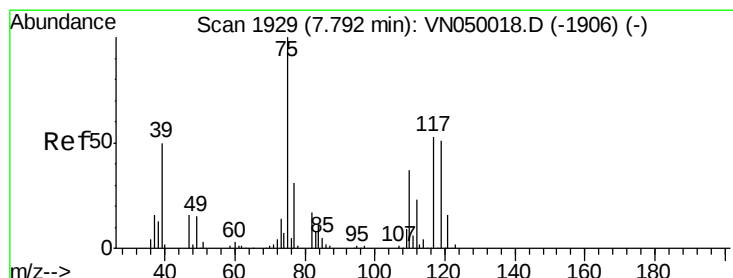
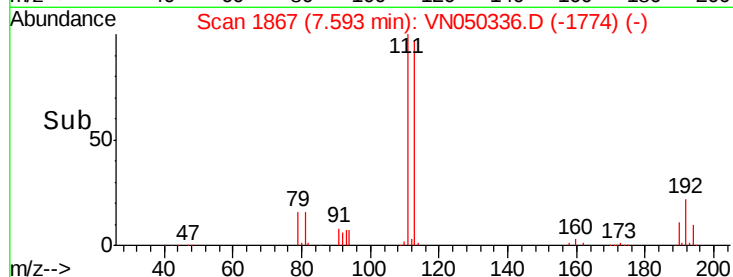
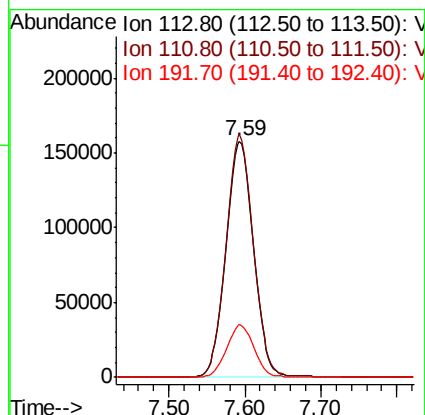
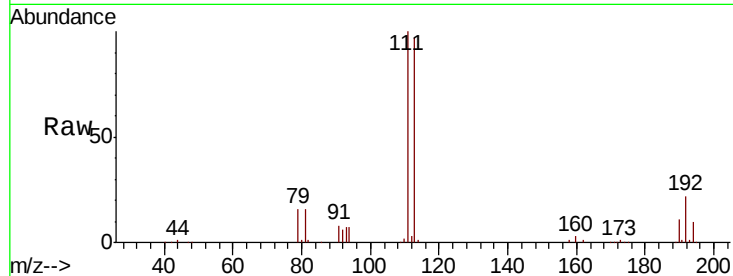




#35
 Dibromofluoromethane
 Concen: 45.78 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

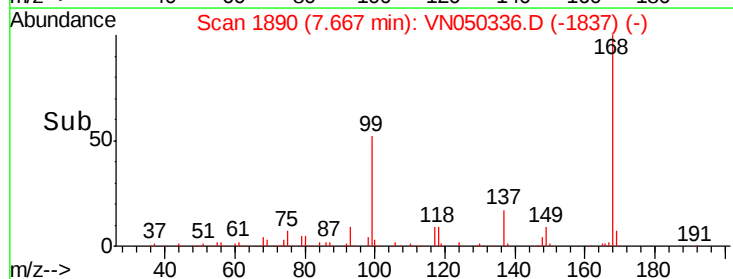
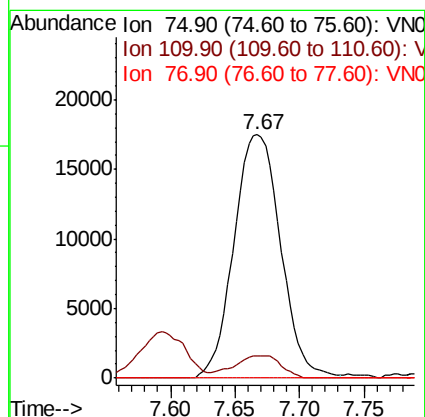
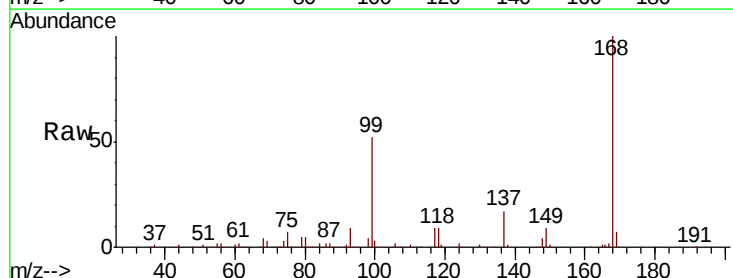
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#16

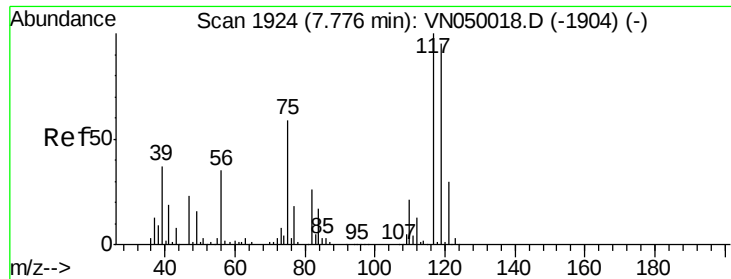
Tot Ion:113 Resp: 401018
 Ion Ratio Lower Upper
 113 100
 111 101.6 80.7 121.1
 192 22.0 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.65 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

Tgt Ion: 75 Resp: 44089
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.56 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#16

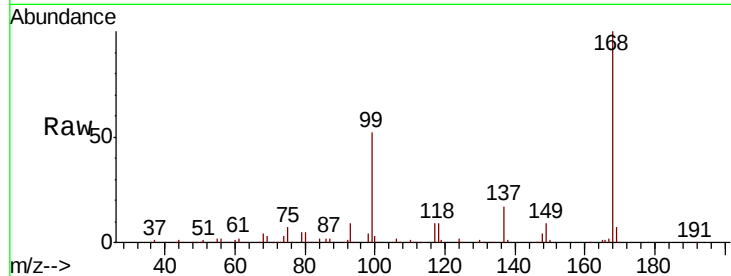
Tot Ion:117 Resp: 58545

Ion Ratio Lower Upper

117 100

119 5.8 77.4 116.0#

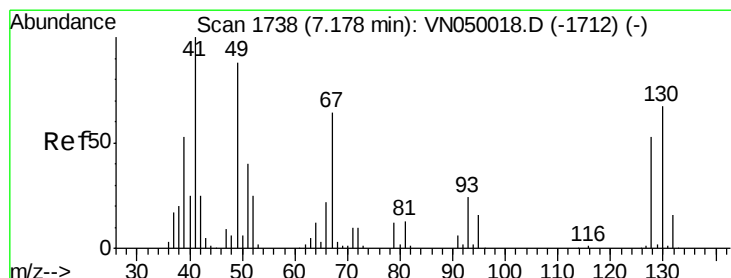
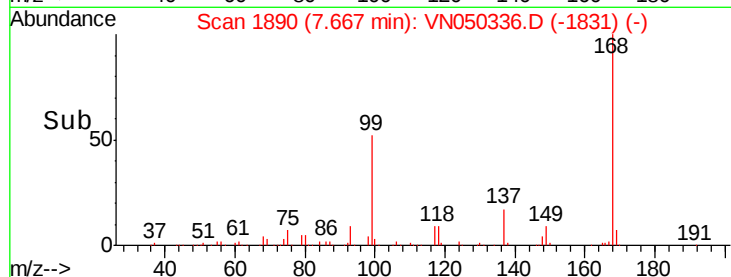
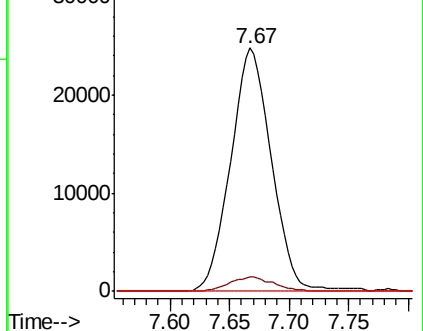
121 0.0 23.9 35.9#



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



#41

Methacrylonitrile

Concen: 2.92 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.05 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Tgt Ion: 41 Resp: 787

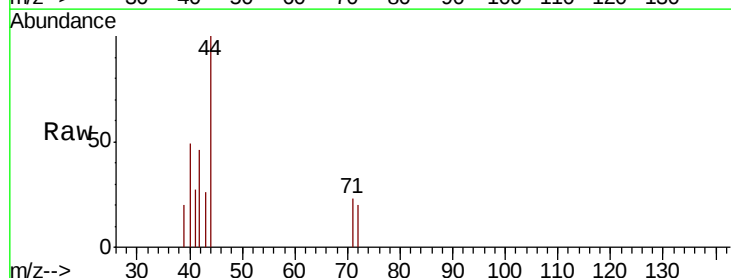
Ion Ratio Lower Upper

41 100

39 66.6 55.8 83.6

67 0.0 84.3 126.5#

52 0.0 34.2 51.2#

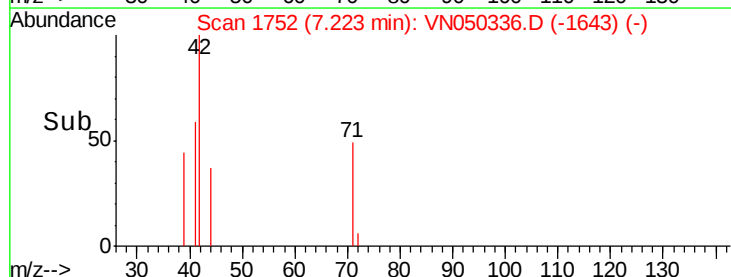
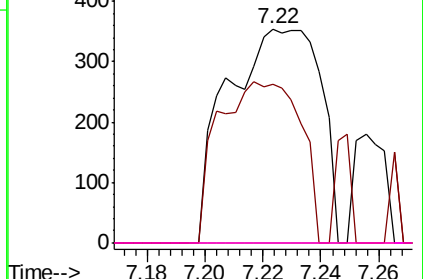


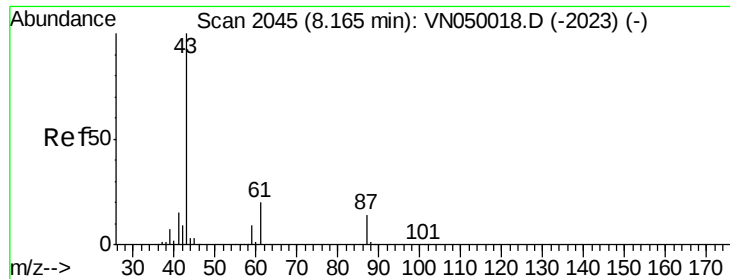
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



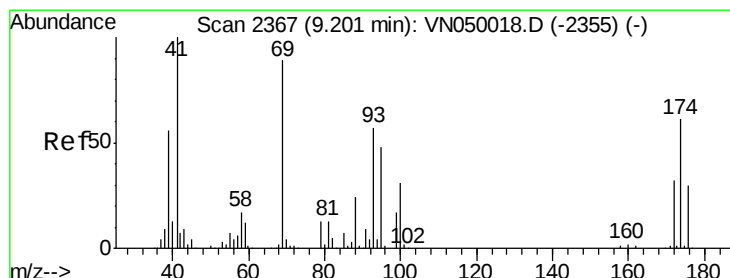
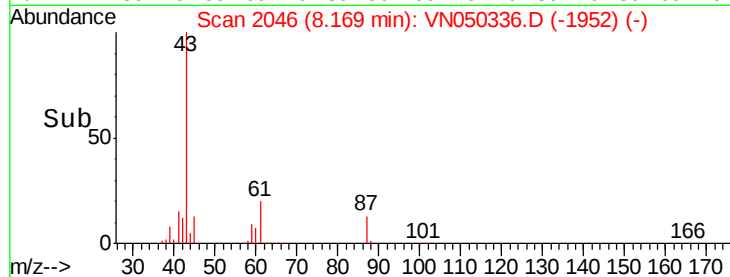
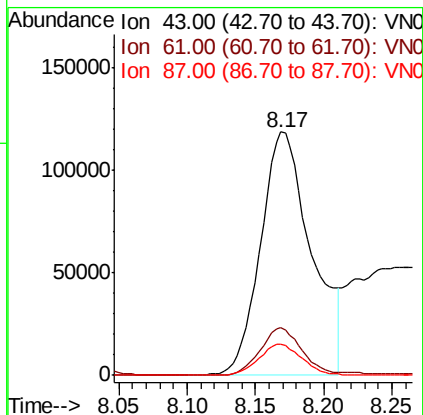
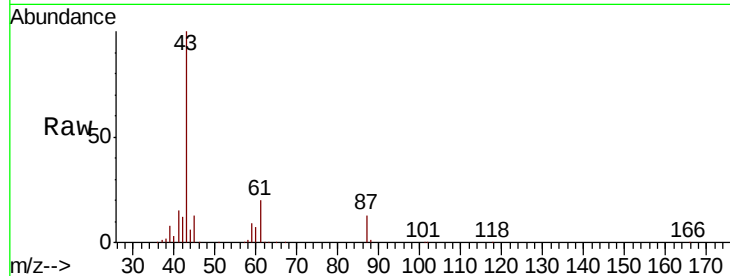


#43

Isopropyl Acetate
 Concen: 18.65 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#16

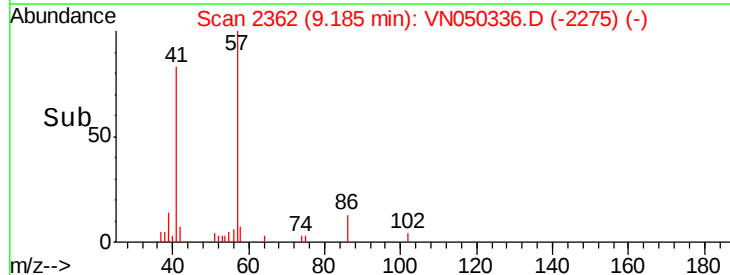
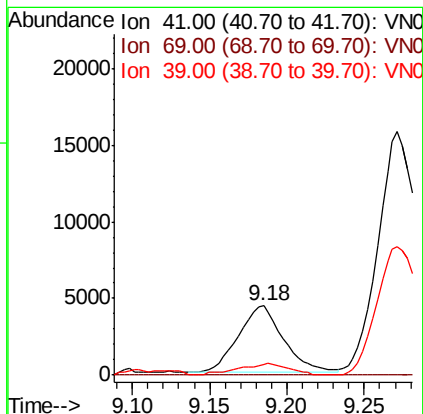
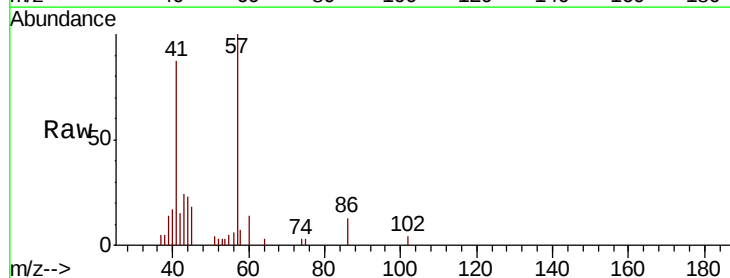
Tot Ion	43	Resp	307587
Ion Ratio	Lower	Upper	
43	100		
61	16.1	15.8	23.6
87	10.8	10.3	15.5

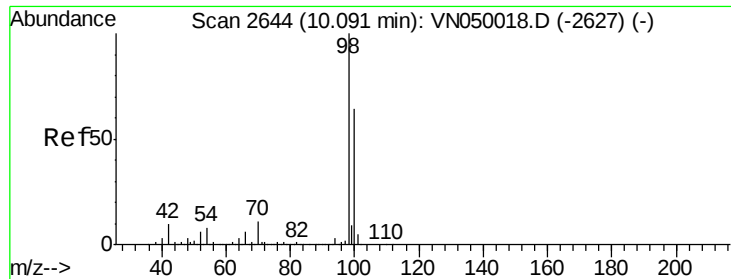


#48

Methyl methacrylate
 Concen: 1.22 ug/l
 RT: 9.18 min Scan# 2362
 Delta R.T. -0.02 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

Tgt Ion	41	Resp	8833
Ion Ratio	Lower	Upper	
41	100		
69	0.0	70.6	105.8#
39	19.1	43.9	65.9#





#50

Toluene-d8

Concen: 45.76 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

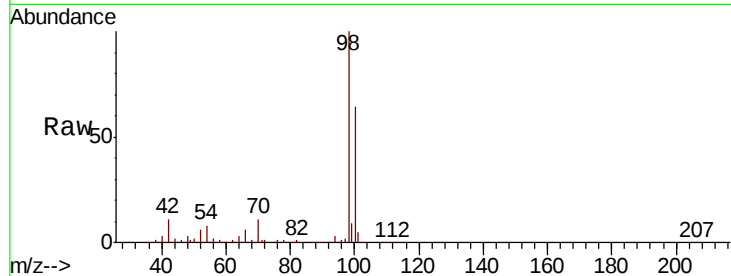
PB111719ZHE#16

Tot Ion: 98 Resp: 1473535

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050018.D (-2627) (-)

10.09

800000

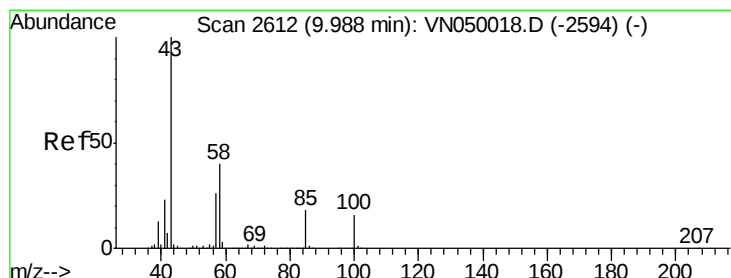
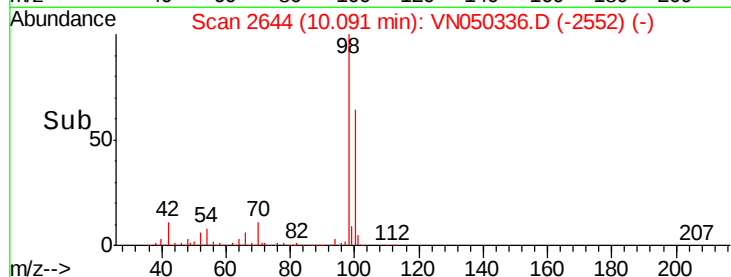
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.40 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050336.D

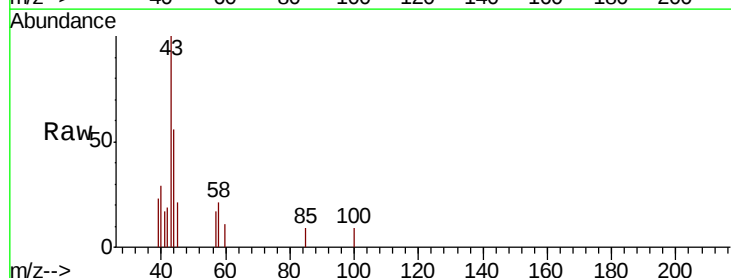
Acq: 4 Aug 2018 1:45

Tgt Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

58 29.5 31.9 47.9#



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050018.D (-2594) (-)

9.99

3000

2500

2000

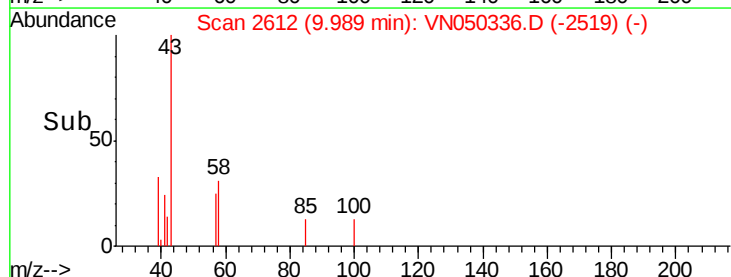
1500

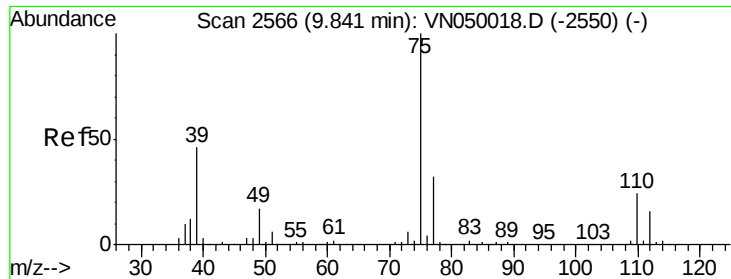
1000

500

0

Time-->

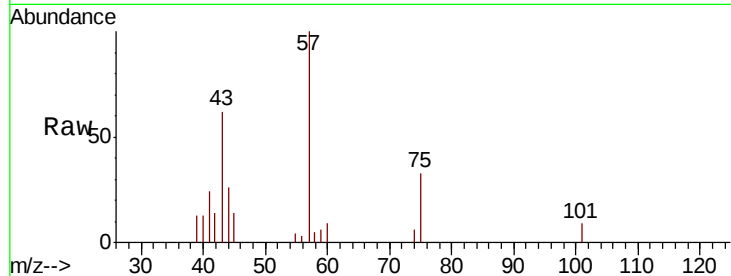




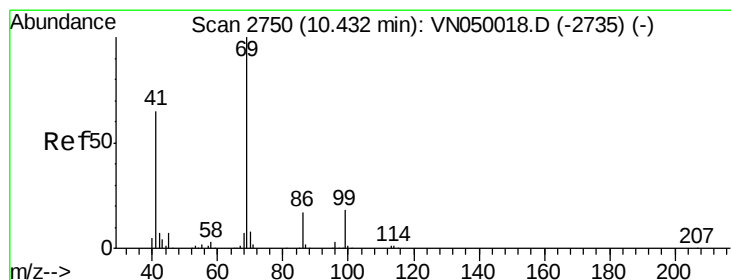
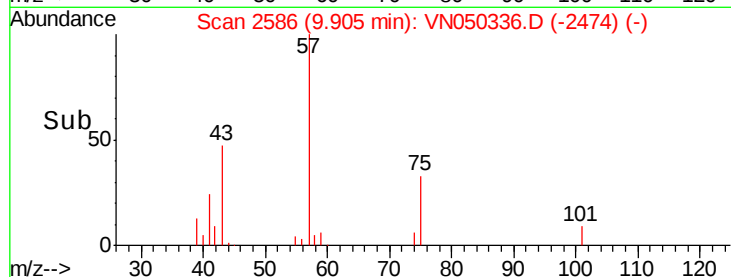
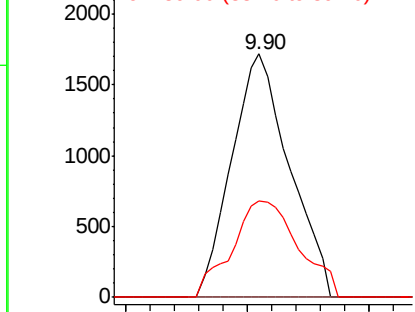
#54
 cis-1,3-Dichloropropene
 Concen: 0.21 ug/l
 RT: 9.90 min Scan# 2586
 Delta R.T. 0.06 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111719ZHE#16

Tot Ion: 75 Resp: 2828
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 39.5 36.6 55.0

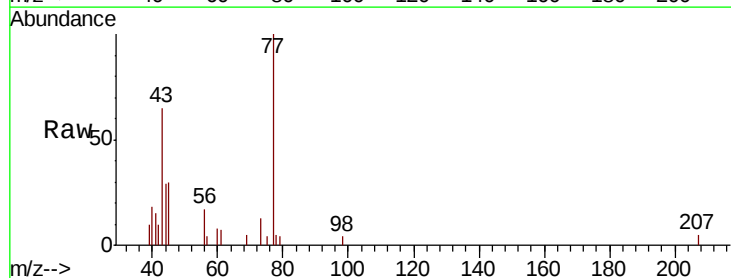


Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO

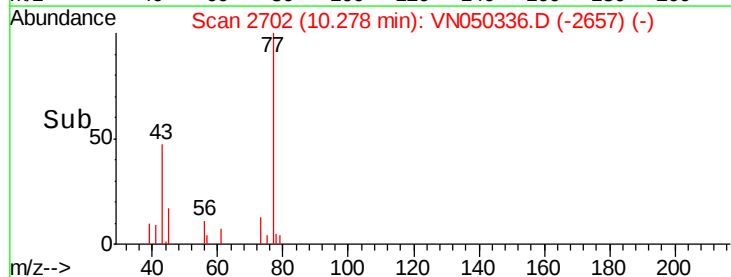
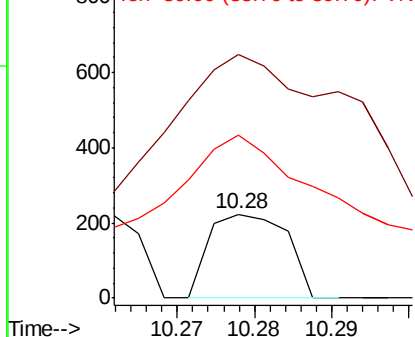


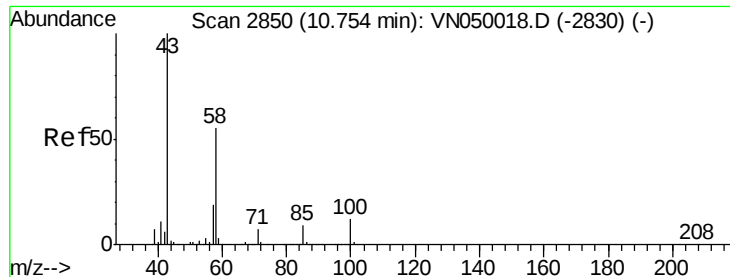
#56
 Ethyl methacrylate
 Concen: 2.04 ug/l
 RT: 10.28 min Scan# 2702
 Delta R.T. -0.15 min
 Lab File: VN050336.D
 Acq: 4 Aug 2018 1:45

Tgt Ion: 69 Resp: 156
 Ion Ratio Lower Upper
 69 100
 41 805.8 51.0 76.4#
 39 476.9 26.6 40.0#



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#59

2-Hexanone

Concen: 8.60 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

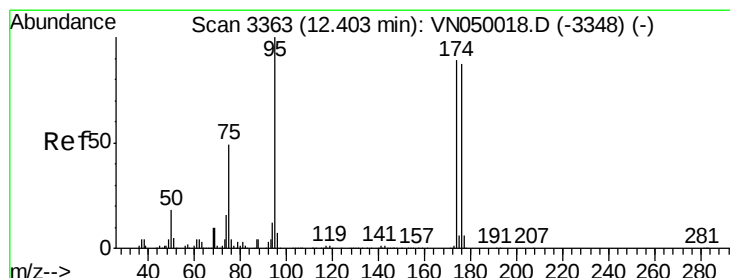
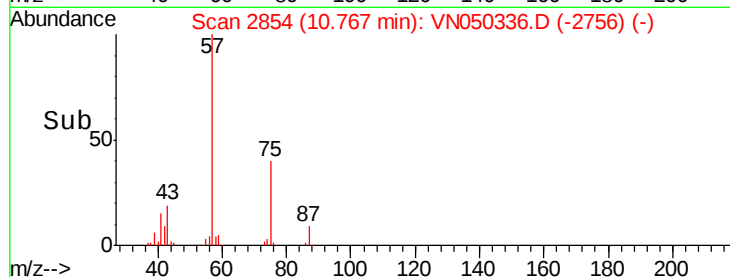
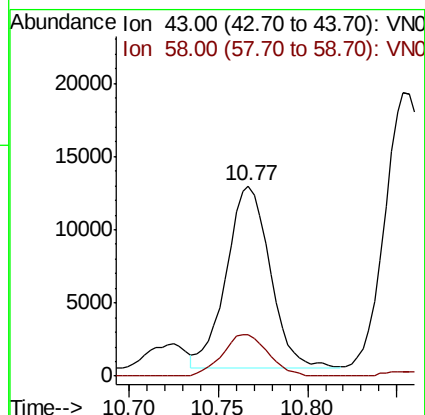
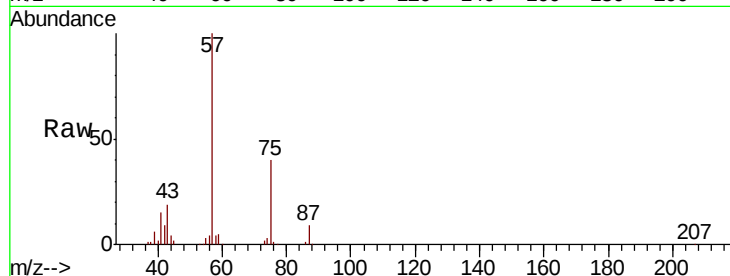
PB111719ZHE#16

Tot Ion: 43 Resp: 21304

Ion Ratio Lower Upper

43 100

58 23.6 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 40.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

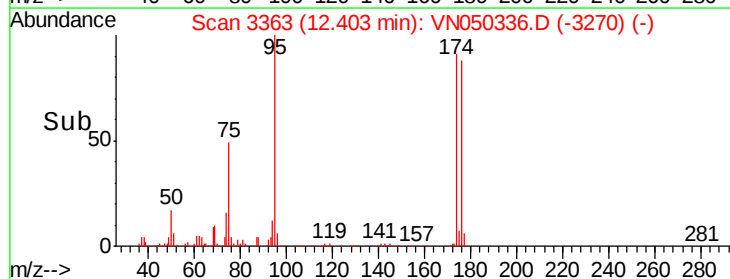
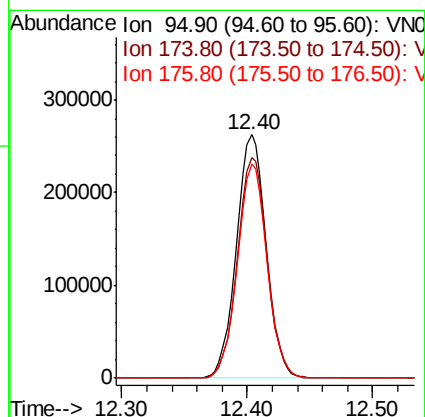
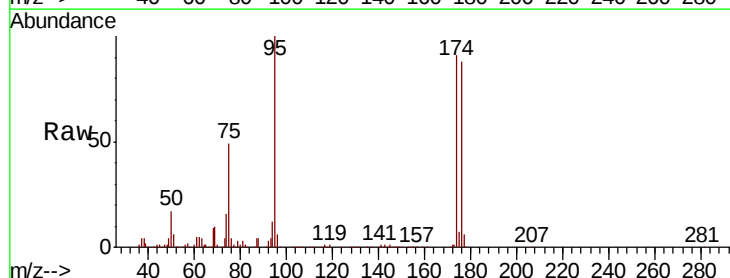
Tgt Ion: 95 Resp: 430331

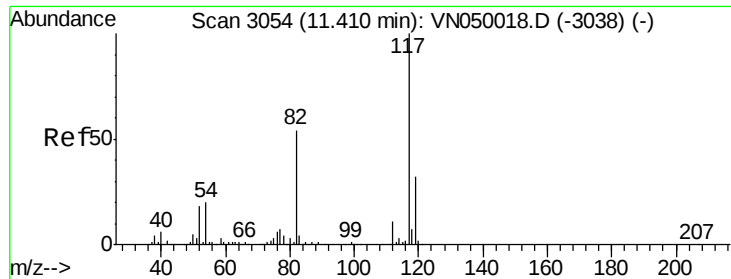
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.2

176 87.6 0.0 173.4

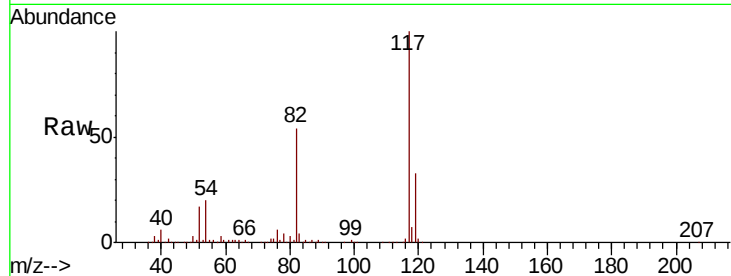




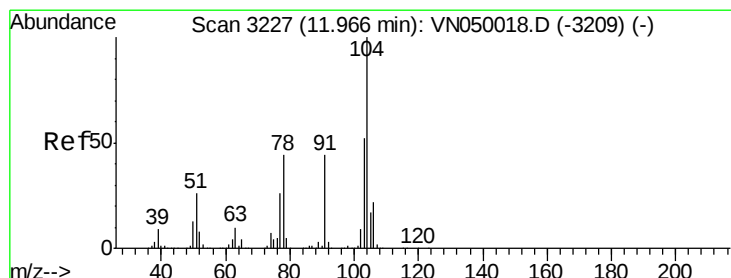
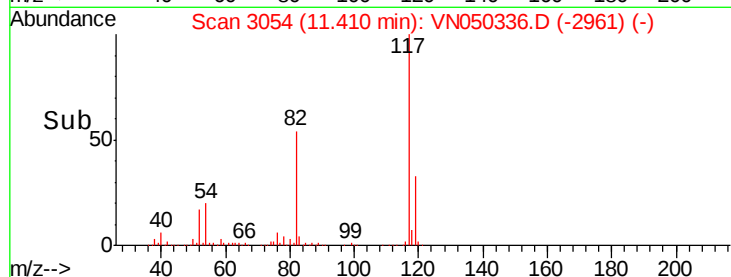
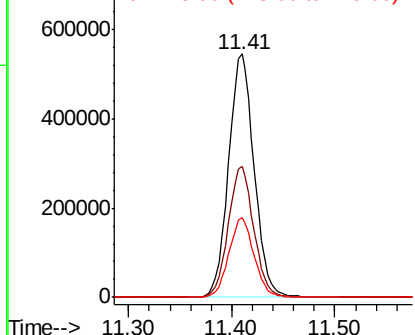
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050336.D
Acq: 4 Aug 2018 1:45

Instrument :
MSVOA_N
ClientSampleId :
PB111719ZHE#16

Tot Ion:117 Resp: 942228
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.9 26.1 39.1

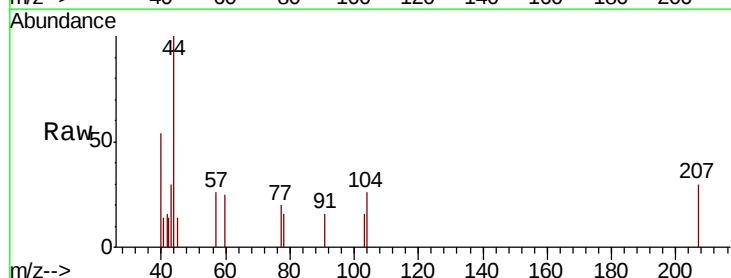


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

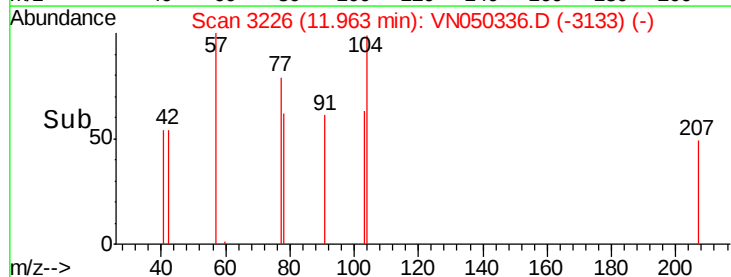
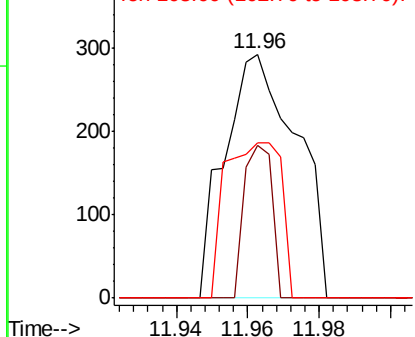


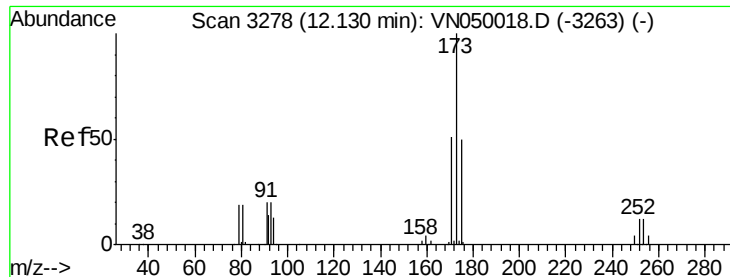
#70
Styrene
Concen: 0.94 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050336.D
Acq: 4 Aug 2018 1:45

Tgt Ion:104 Resp: 409
Ion Ratio Lower Upper
104 100
78 24.2 39.3 58.9#
103 49.4 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.48 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#16

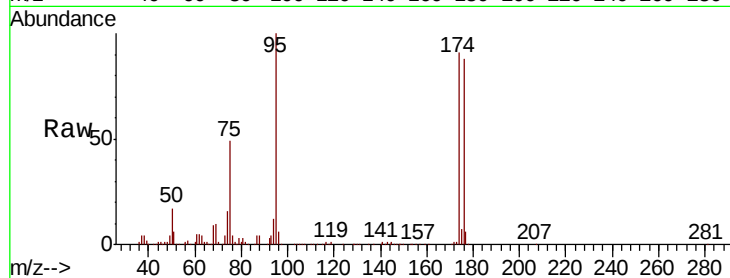
Tot Ion:173 Resp: 3166

Ion Ratio Lower Upper

173 100

175 852.7 24.1 72.2#

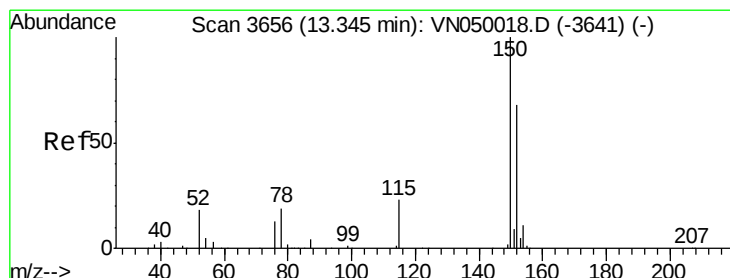
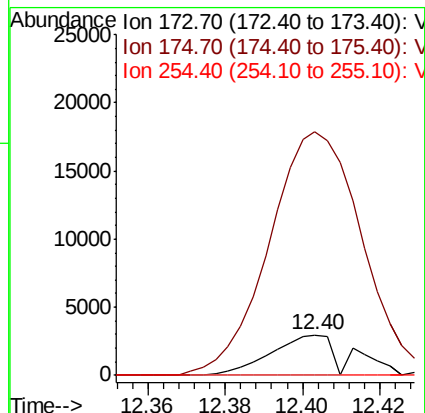
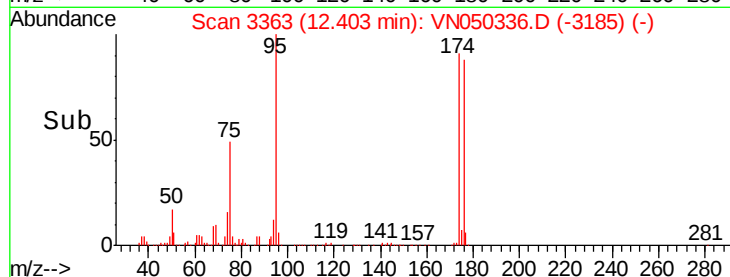
254 0.0 0.2 0.2#



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: VN050336.D

Acq: 4 Aug 2018 1:45

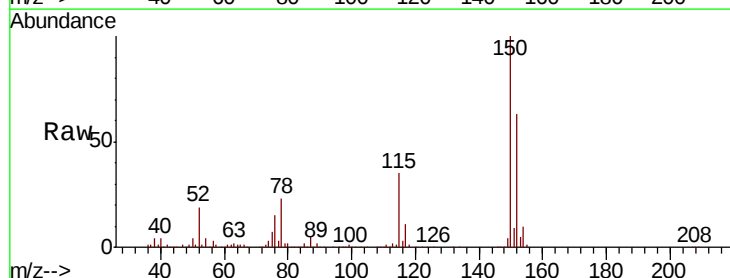
Tgt Ion:152 Resp: 385782

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

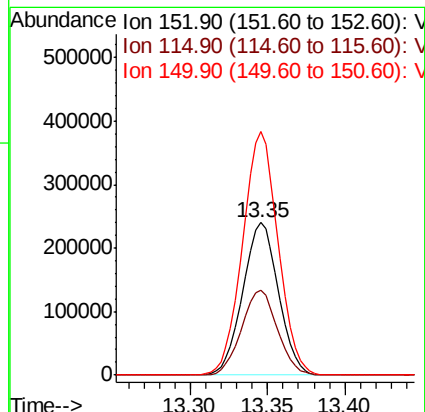
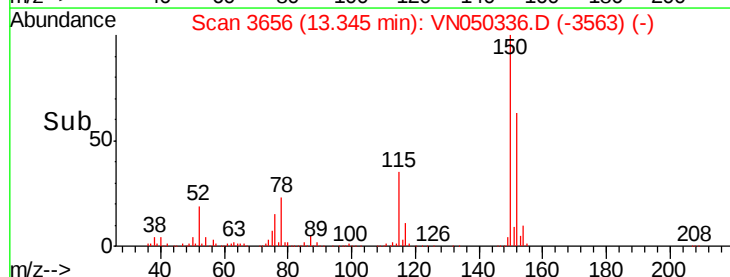
150 158.5 0.0 348.6

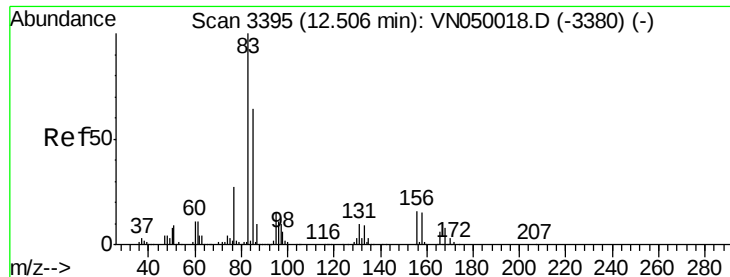


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.57 min Scan# 3414

Delta R.T. 0.06 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#16

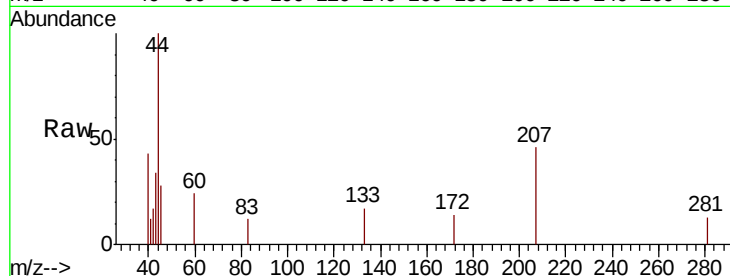
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

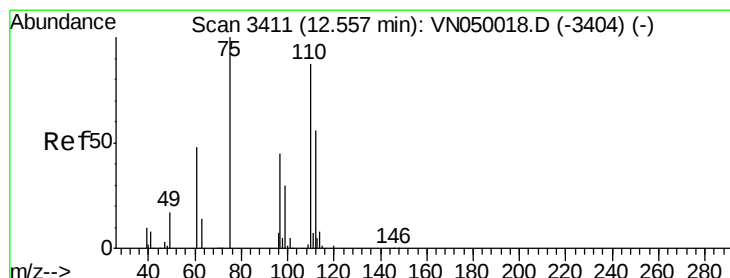
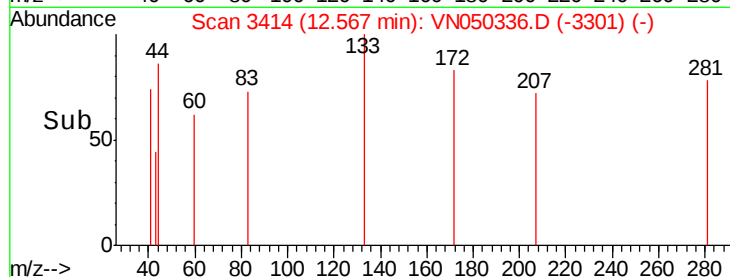
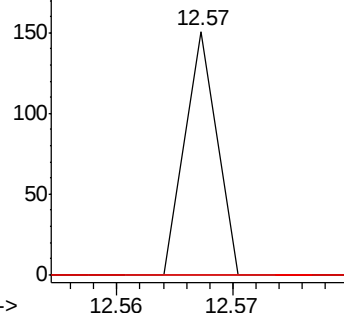
83 100

131 0.0 5.1 15.3#

85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.53 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050336.D

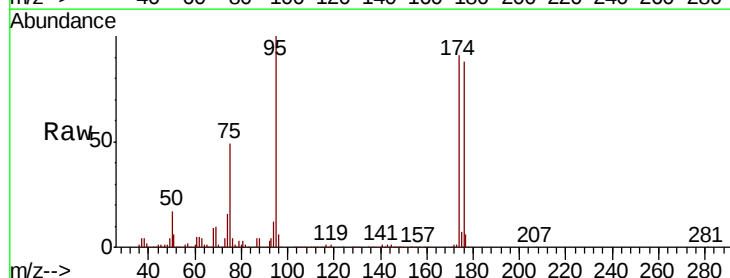
Acq: 4 Aug 2018 1:45

Tgt Ion: 75 Resp: 211679

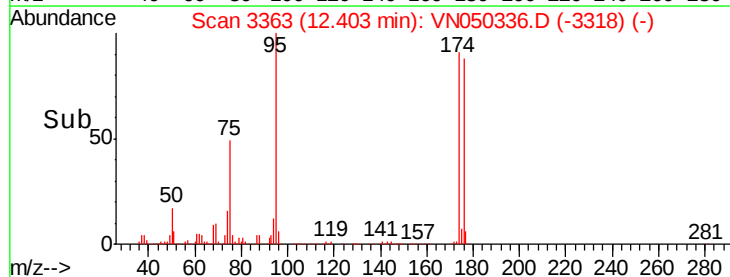
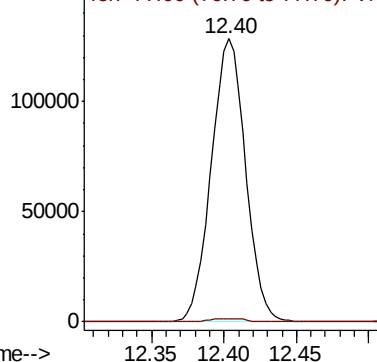
Ion Ratio Lower Upper

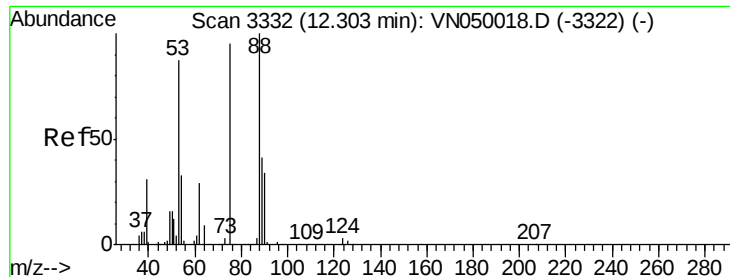
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 93.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#16

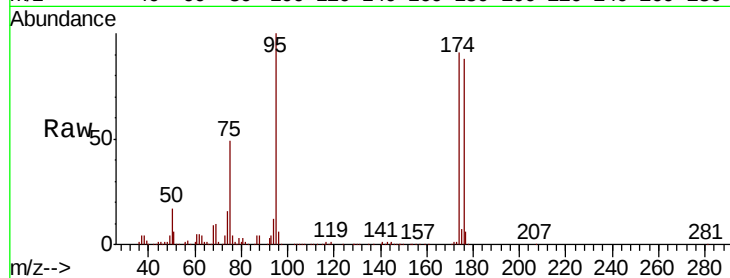
Tot Ion: 75 Resp: 211679

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

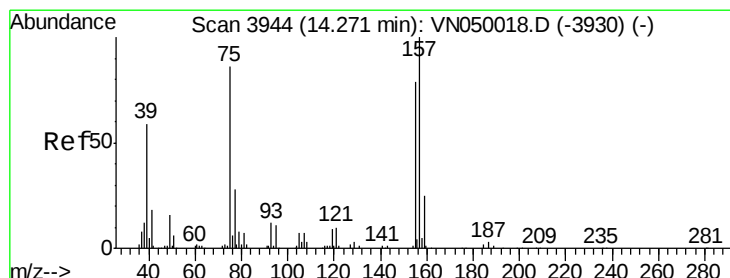
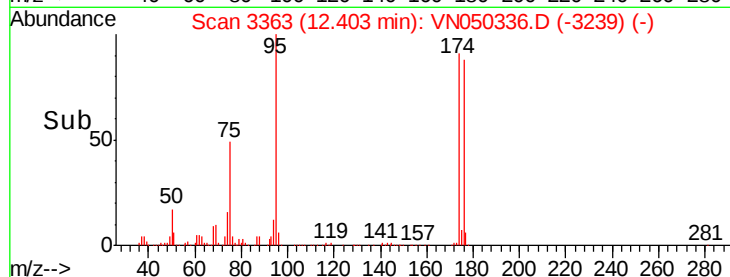
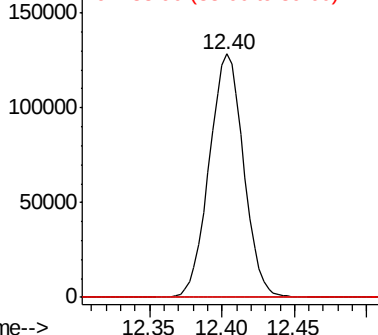
89 0.0 36.0 54.0#



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: Below Cal

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

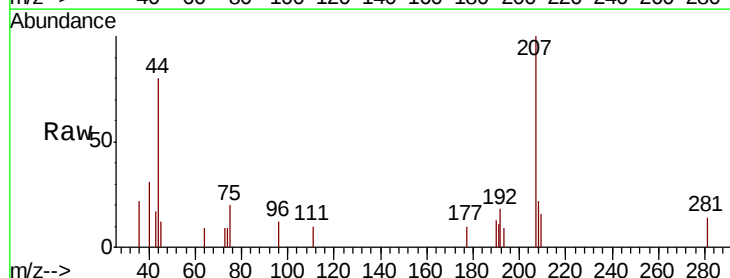
Tgt Ion: 75 Resp: 350

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

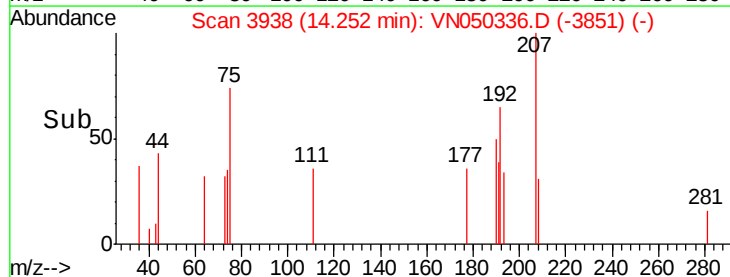
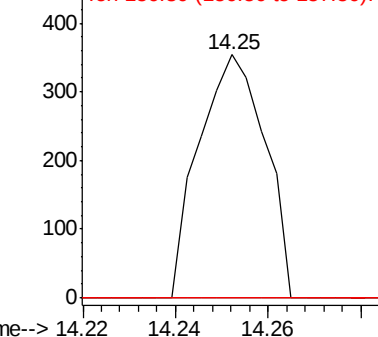
157 0.0 57.2 171.6#

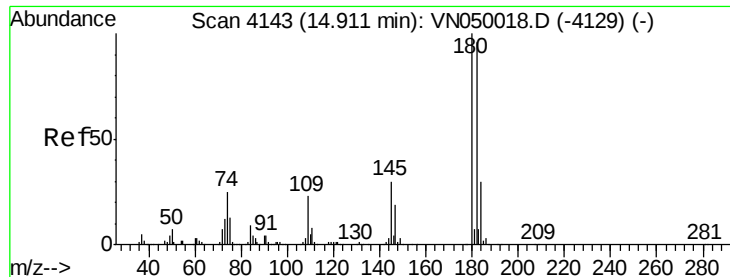


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 3.13 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#16

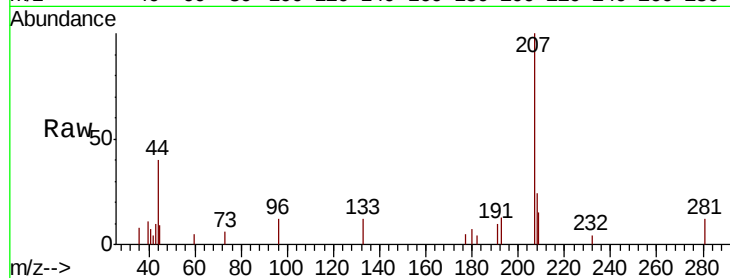
Tot Ion:180 Resp: 308

Ion Ratio Lower Upper

180 100

182 98.1 46.7 140.1

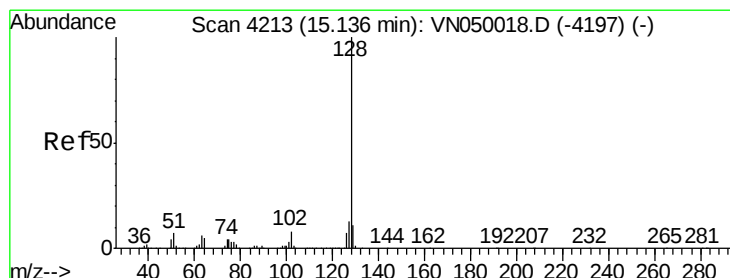
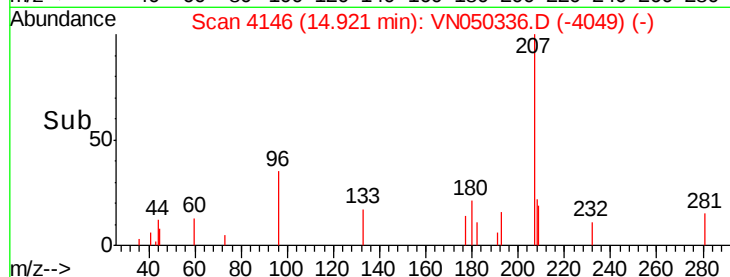
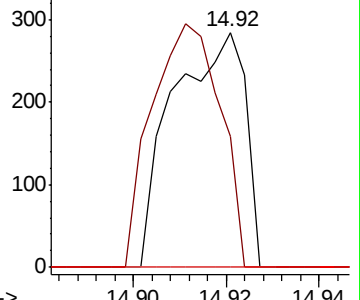
145 0.0 13.8 41.4#



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



#95

Naphthalene

Concen: 4.47 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

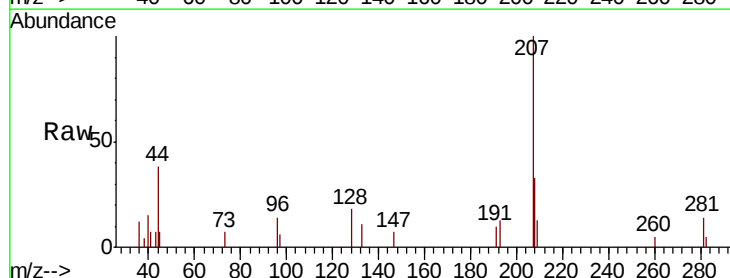
Tgt Ion:128 Resp: 1055

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

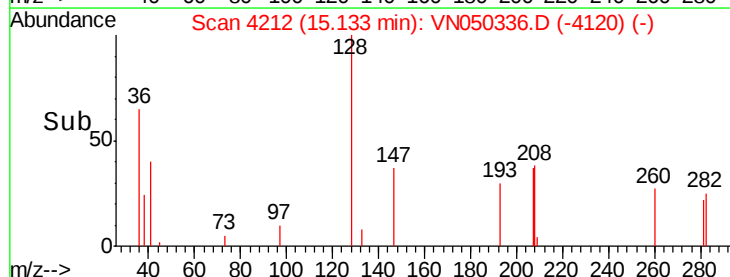
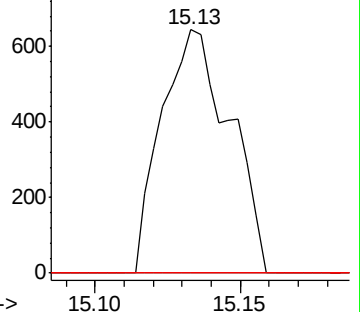
129 0.0 8.8 13.2#

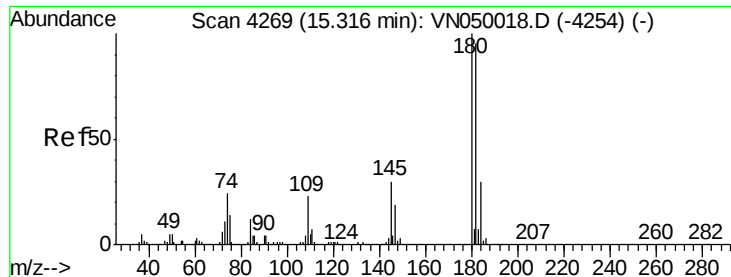


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 2.22 ug/l

RT: 15.33 min Scan# 4272

Delta R.T. 0.01 min

Lab File: VN050336.D

Acq: 4 Aug 2018 1:45

Instrument :

MSVOA_N

ClientSampleId :

PB111719ZHE#16

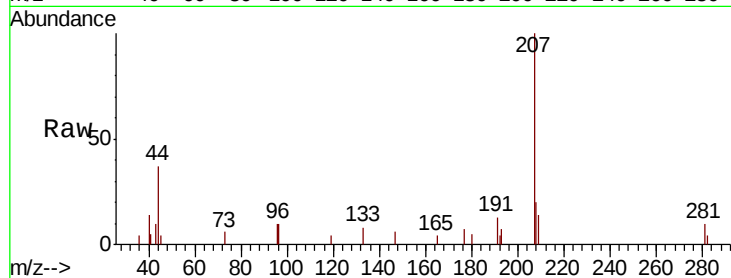
Tot Ion:180 Resp: 146

Ion Ratio Lower Upper

180 100

182 107.5 48.1 144.4

145 0.0 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

