

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050446.D
 Acq On : 7 Aug 2018 21:13
 Operator : MD\SY
 Sample : PB111815TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111815TB

Quant Time: Aug 08 05:30:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	874977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1340060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1181390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	613538	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	530496	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
35) Dibromofluoromethane	7.59	113	488002	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
50) Toluene-d8	10.09	98	1890281	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
62) 4-Bromofluorobenzene	12.40	95	605525	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	

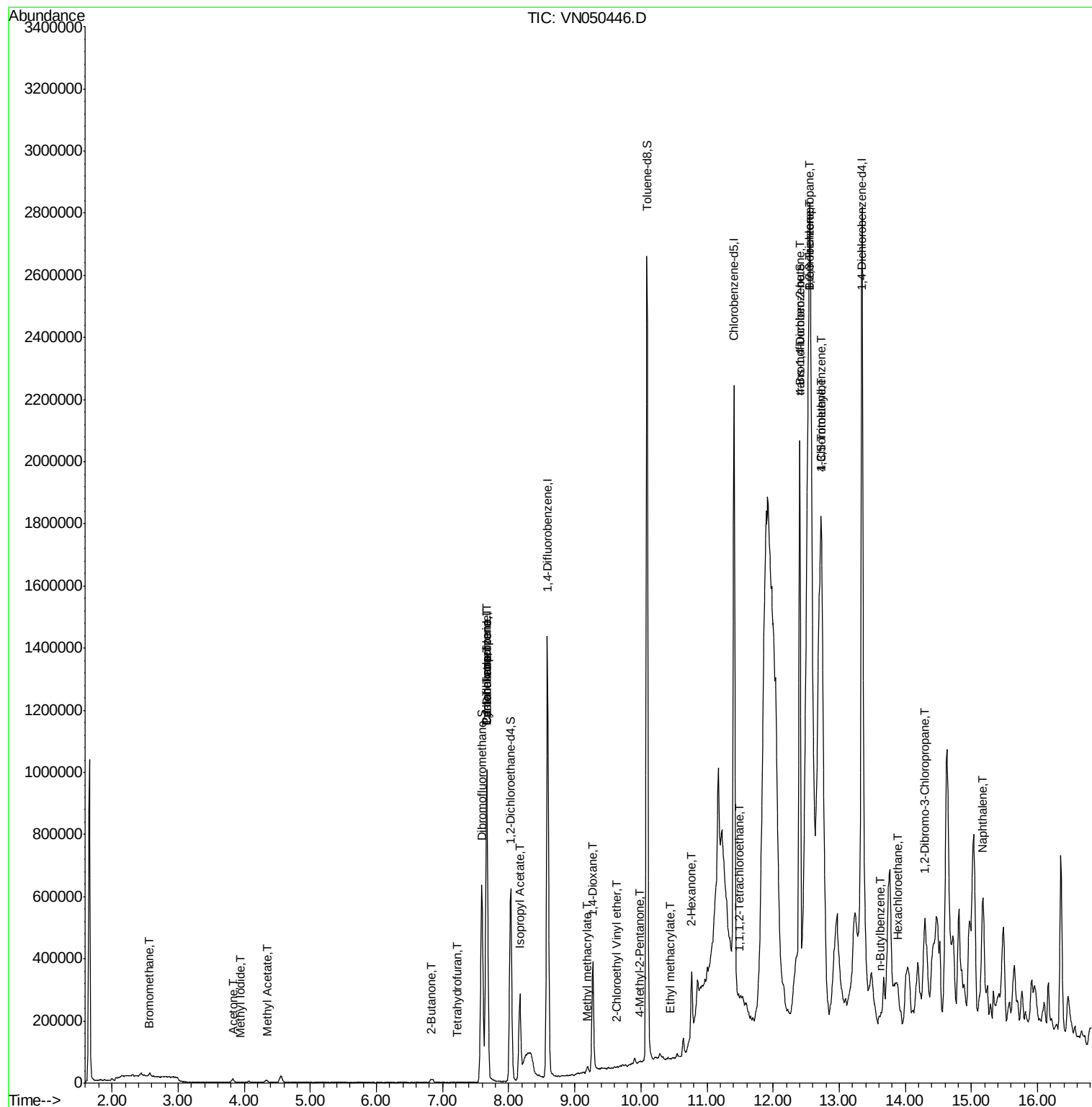
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4592	Below Cal		97
5) Bromomethane	2.57	94	7795	1.44 ug/l		88
10) Methyl Iodide	3.94	142	928	0.21 ug/l #		87
16) Acetone	3.83	43	20414	5.50 ug/l		94
18) Methyl Acetate	4.33	43	13736	1.33 ug/l		96
20) Methylene Chloride	4.55	84	16001	Below Cal		98
25) 2-Butanone	6.84	43	2984	0.52 ug/l #		83
29) Tetrahydrofuran	7.23	42	1556	0.50 ug/l #		59
31) Cyclohexane	7.67	56	14668	0.25 ug/l #		1
36) 1,1-Dichloropropene	7.67	75	58415	3.97 ug/l #		49
38) Carbon Tetrachloride	7.67	117	78273	5.10 ug/l #		17
43) Isopropyl Acetate	8.17	43	339140	18.53 ug/l		98
48) Methyl methacrylate	9.18	41	10080	1.10 ug/l #		22
49) 1,4-Dioxane	9.28	88	105	0.74 ug/l #		1
51) 4-Methyl-2-Pentanone	9.99	43	3019	0.23 ug/l #		75
56) Ethyl methacrylate	10.43	69	293	1.73 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.65	63	471	7.46 ug/l		90
59) 2-Hexanone	10.77	43	28576	3.11 ug/l #		59
66) 1,1,1,2-Tetrachloroethane	11.49	131	2557	0.24 ug/l #		8
76) 1,2,3-Trichloropropane	12.55	75	90735	8.17 ug/l #		100
77) Bromobenzene	12.55	156	3665024	297.04 ug/l #		1
80) 1,3,5-Trimethylbenzene	12.73	105	81343	2.18 ug/l #		35
81) trans-1,4-Dichloro-2-buten	12.40	75	286804	90.74 ug/l #		13
82) 4-Chlorotoluene	12.73	91	17998	0.56 ug/l #		41
89) n-Butylbenzene	13.61	91	8311	0.26 ug/l		73
90) Hexachloroethane	13.89	117	3339	0.50 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	14.30	75	6584	2.92 ug/l #		1
95) Naphthalene	15.17	128	37802	4.80 ug/l #		36

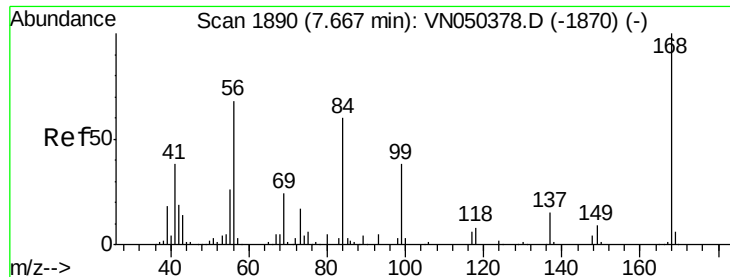
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN080718\
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Quant Time: Aug 08 05:30:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

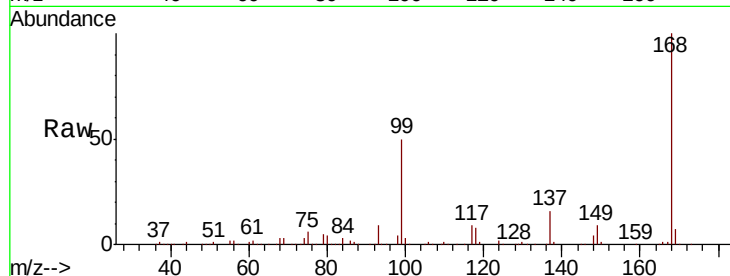
PB111815TB

Tot Ion:168 Resp: 874977

Ion Ratio Lower Upper

168 100

99 50.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

400000

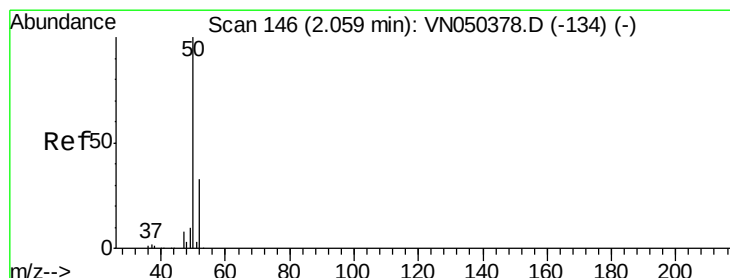
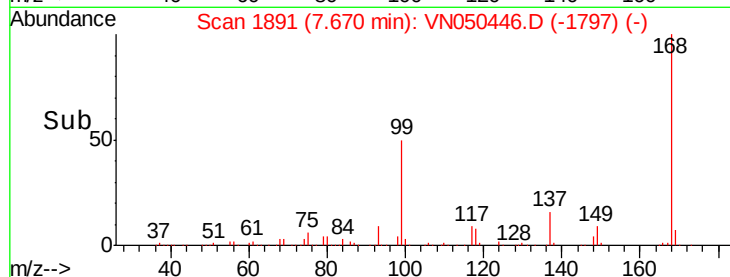
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050446.D

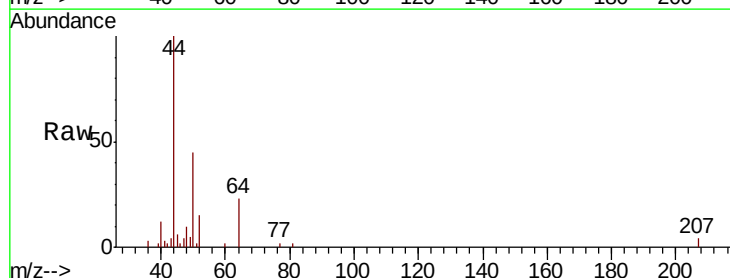
Acq: 7 Aug 2018 21:13

Tgt Ion: 50 Resp: 4592

Ion Ratio Lower Upper

50 100

52 34.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050378.D (-134) (-)

Ion 51.90 (51.60 to 52.60): VN050378.D (-134) (-)

2.06

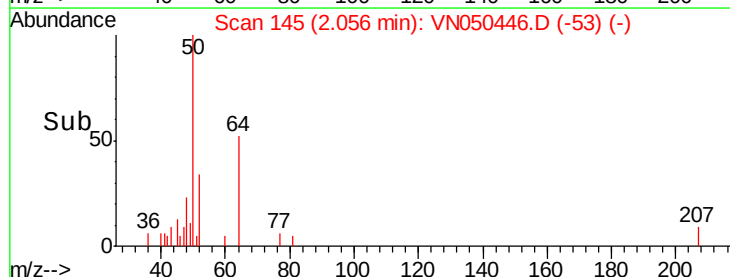
3000

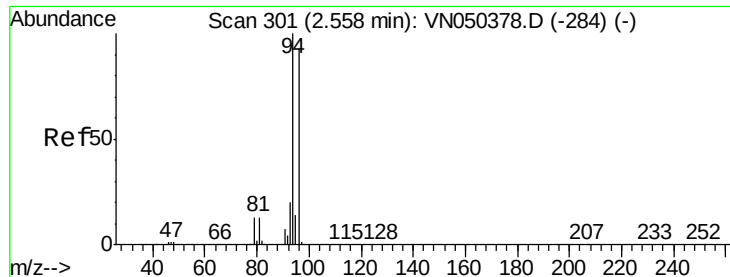
2000

1000

0

Time-->





#5

Bromomethane

Concen: 1.44 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

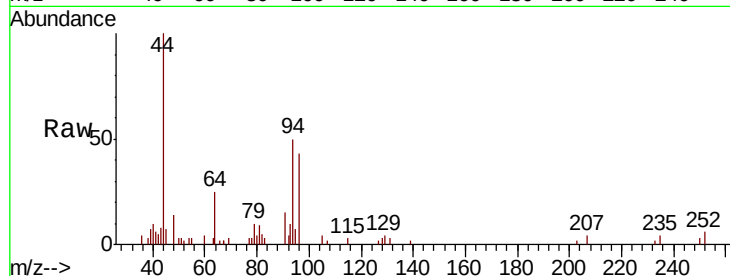
PB111815TB

Tot Ion: 94 Resp: 7795

Ion Ratio Lower Upper

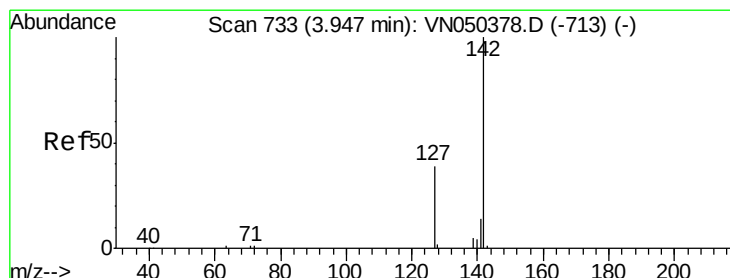
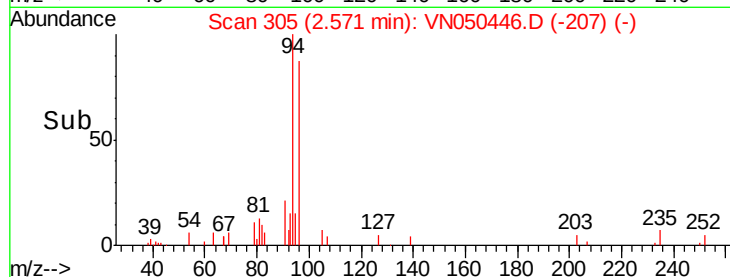
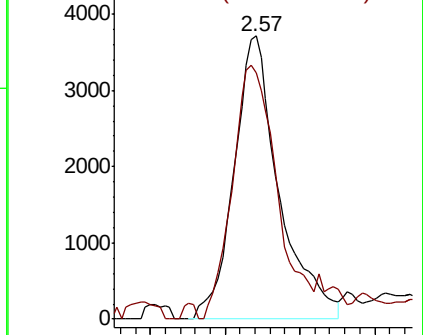
94 100

96 81.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.21 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

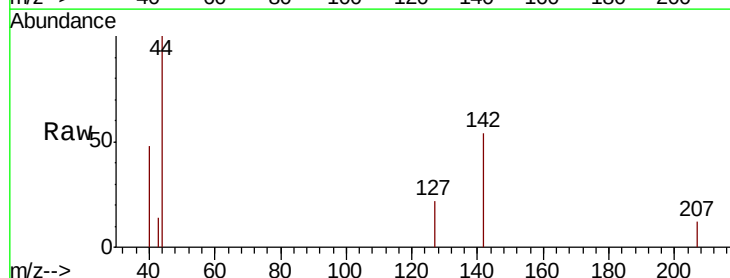
Tgt Ion: 142 Resp: 928

Ion Ratio Lower Upper

142 100

127 45.2 33.4 50.2

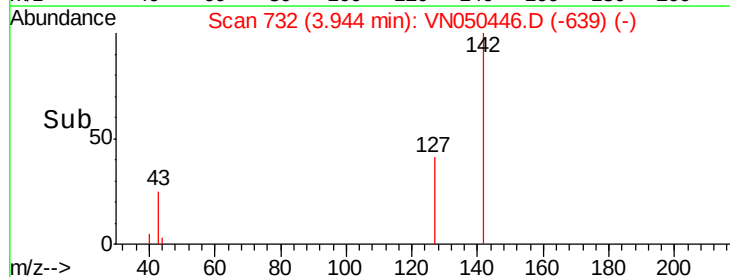
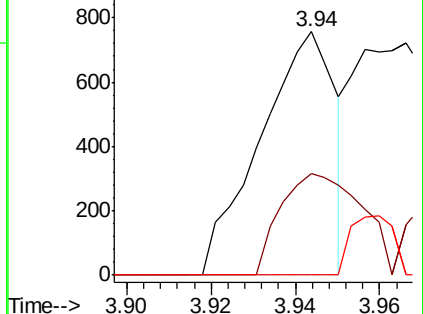
141 0.0 11.6 17.4#

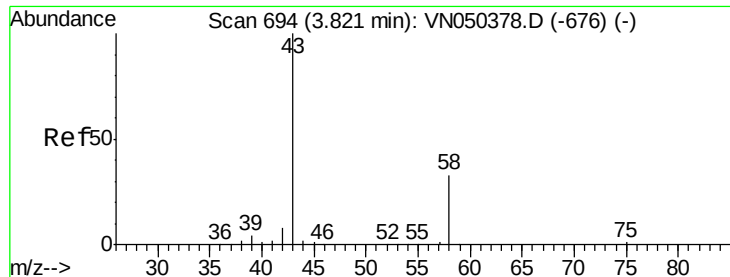


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 5.50 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

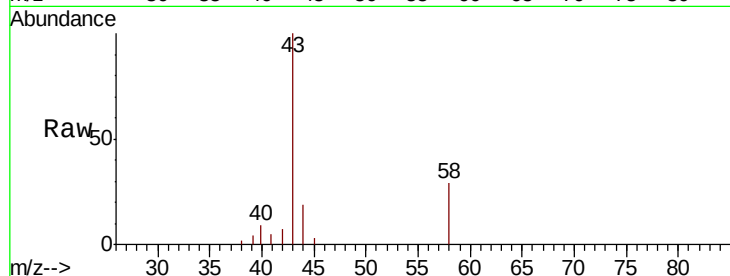
PB111815TB

Tot Ion: 43 Resp: 20414

Ion Ratio Lower Upper

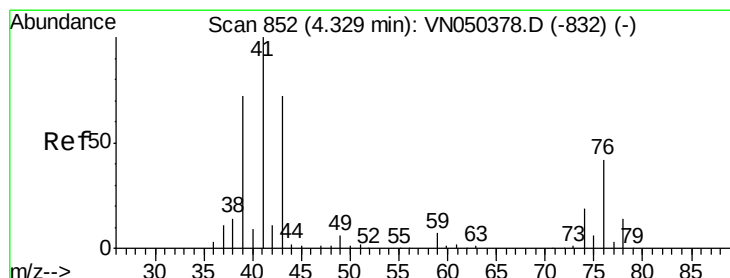
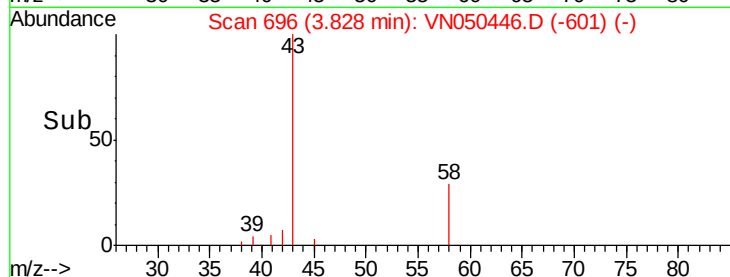
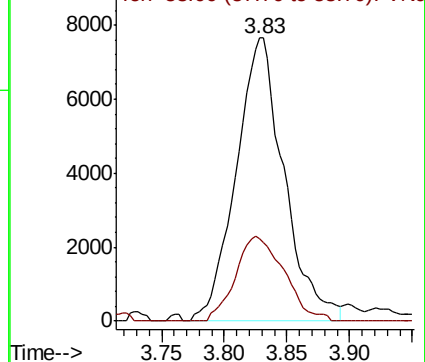
43 100

58 28.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.33 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050446.D

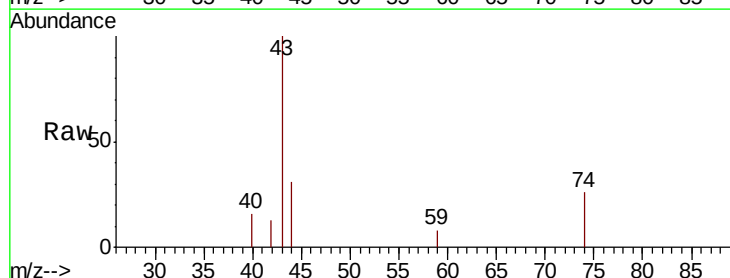
Acq: 7 Aug 2018 21:13

Tgt Ion: 43 Resp: 13736

Ion Ratio Lower Upper

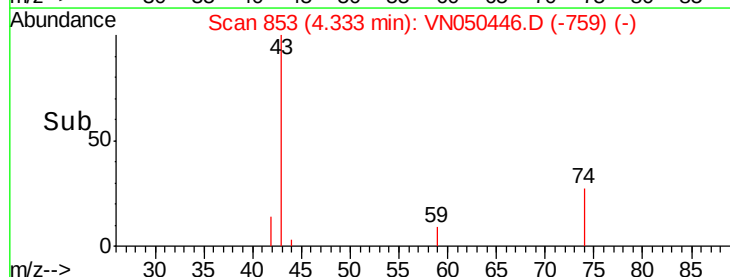
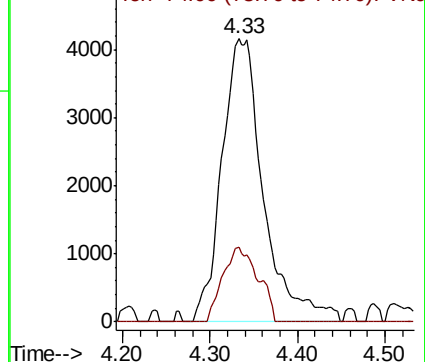
43 100

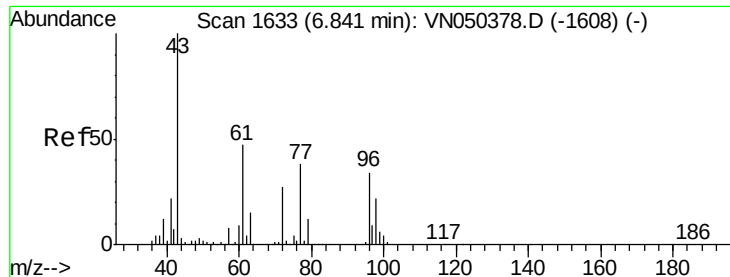
74 22.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#25

2-Butanone

Concen: 0.52 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

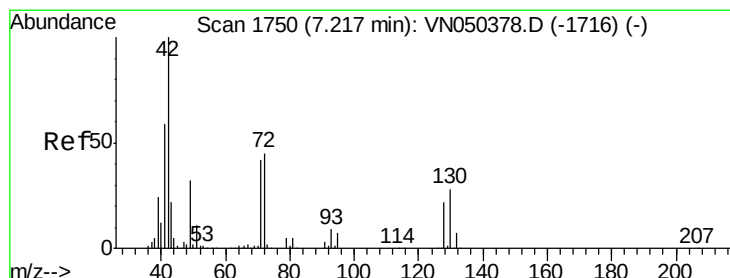
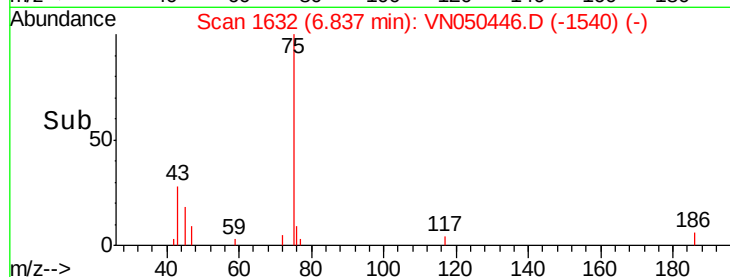
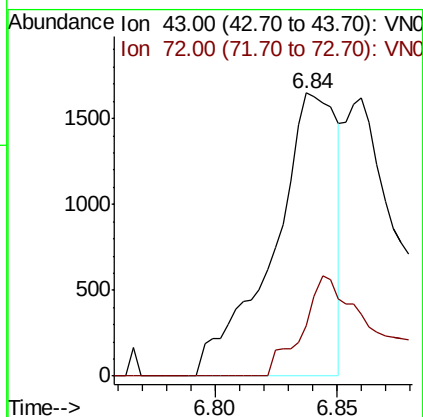
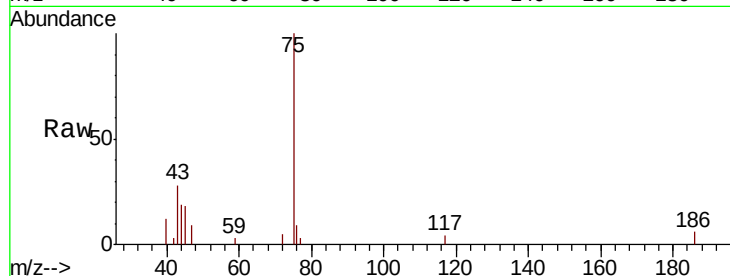
PB111815TB

Tot Ion: 43 Resp: 2984

Ion Ratio Lower Upper

43 100

72 18.0 21.5 32.3#



#29

Tetrahydrofuran

Concen: 0.50 ug/l

RT: 7.23 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

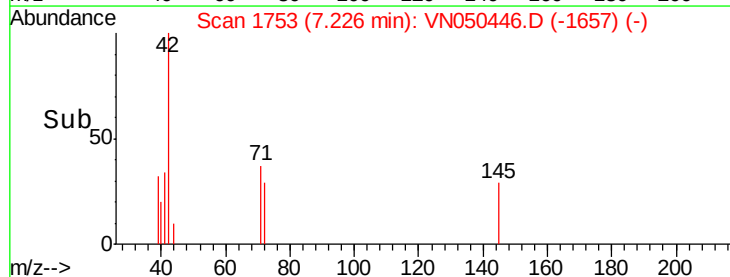
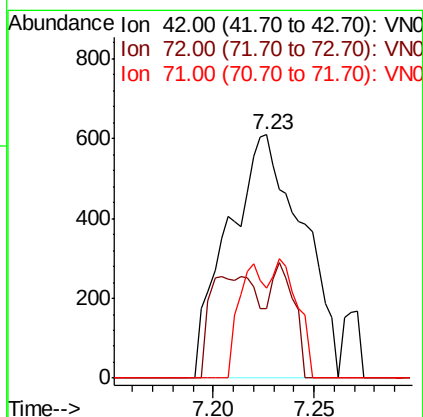
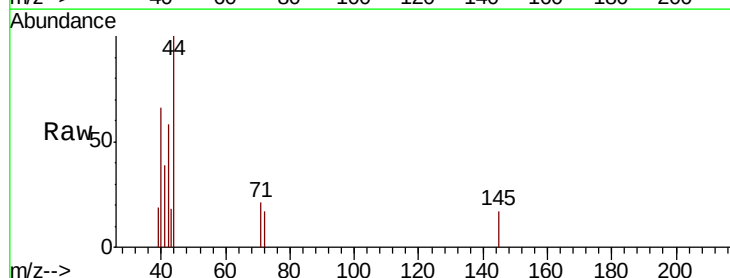
Tgt Ion: 42 Resp: 1556

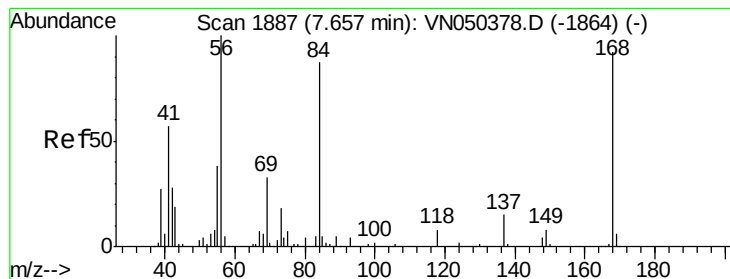
Ion Ratio Lower Upper

42 100

72 16.6 35.9 53.9#

71 17.2 33.7 50.5#





#31

Cyclohexane

Concen: 0.25 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

PB111815TB

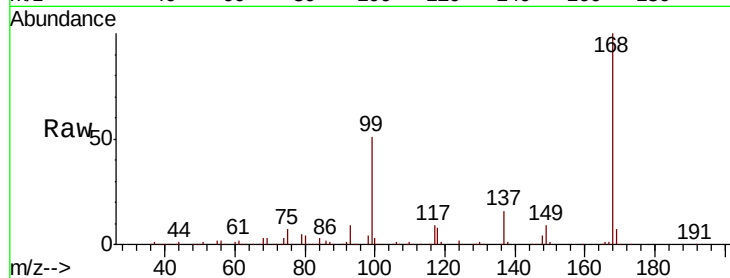
Tot Ion: 56 Resp: 14668

Ion Ratio Lower Upper

56 100

69 192.8 26.2 39.4#

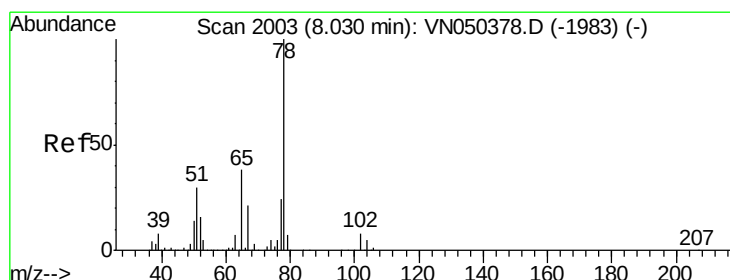
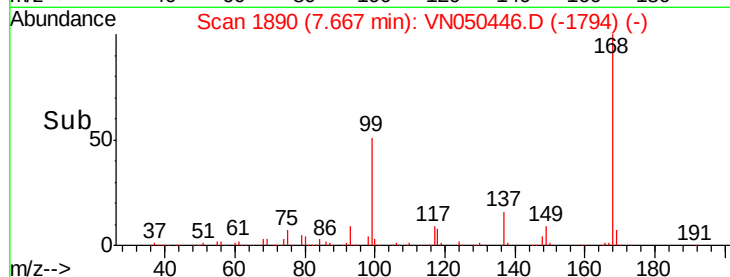
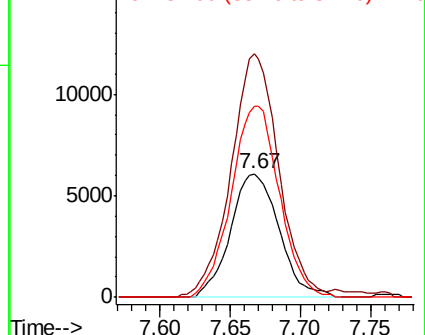
84 154.1 67.4 101.0#



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: 45.38 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050446.D

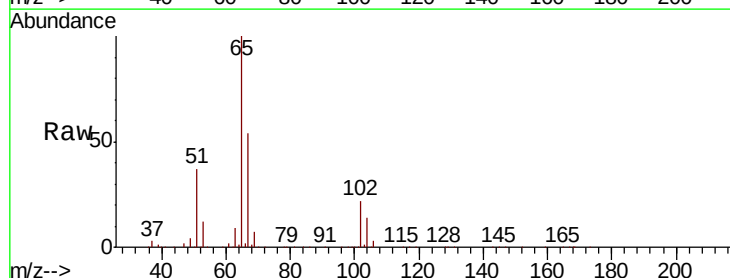
Acq: 7 Aug 2018 21:13

Tgt Ion: 65 Resp: 530496

Ion Ratio Lower Upper

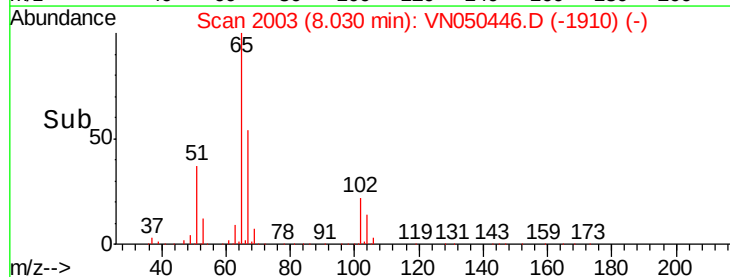
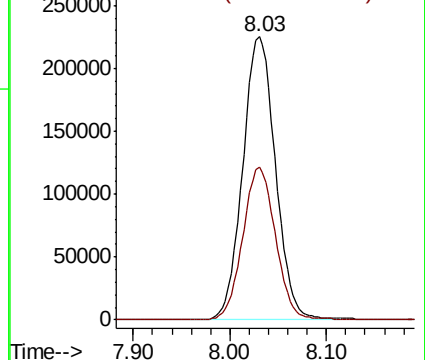
65 100

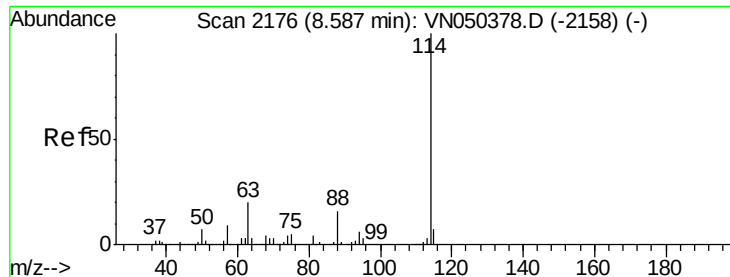
67 54.2 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

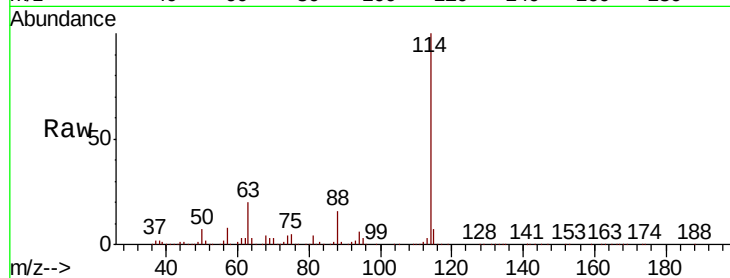




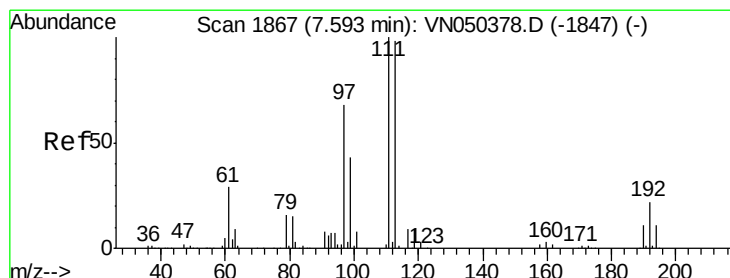
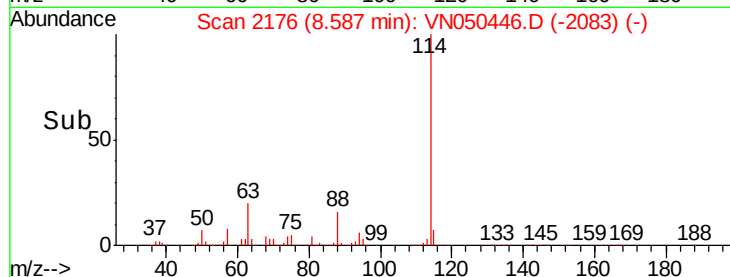
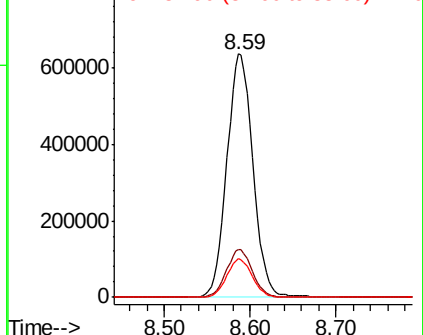
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111815TB

Tot Ion:114 Resp: 1340060
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.7 0.0 31.2

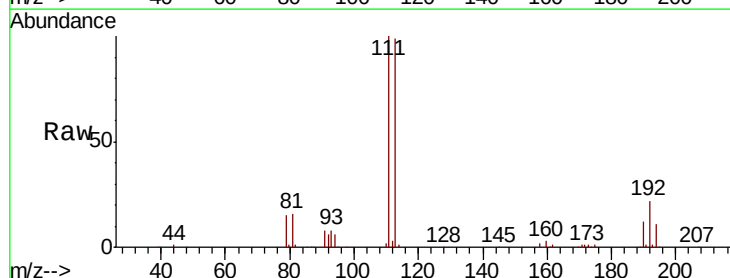


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

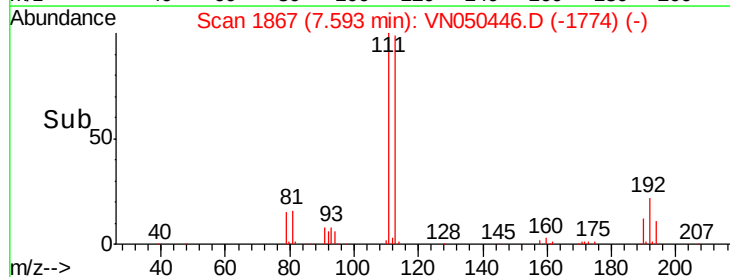
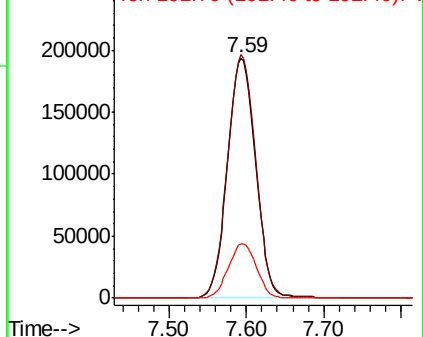


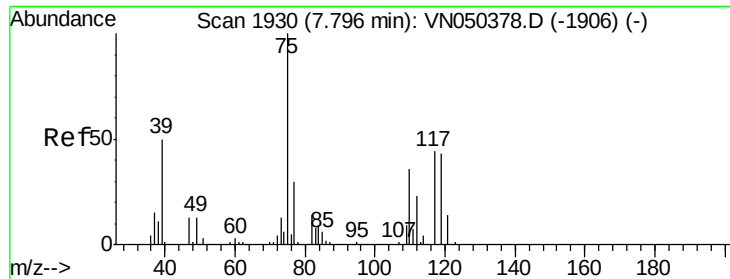
#35
 Dibromofluoromethane
 Concen: 45.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

Tgt Ion:113 Resp: 488002
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 22.6 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

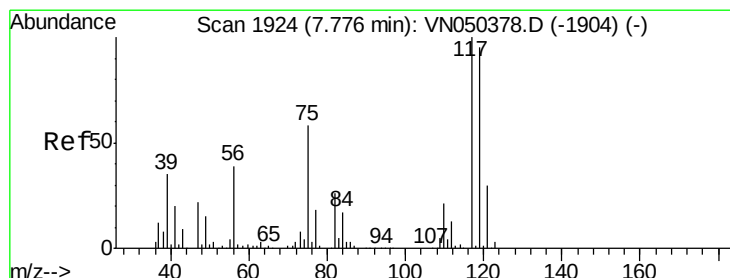
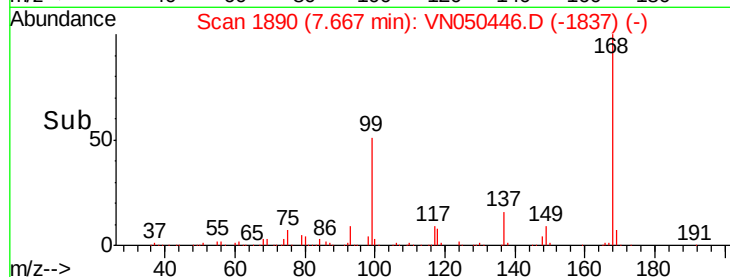
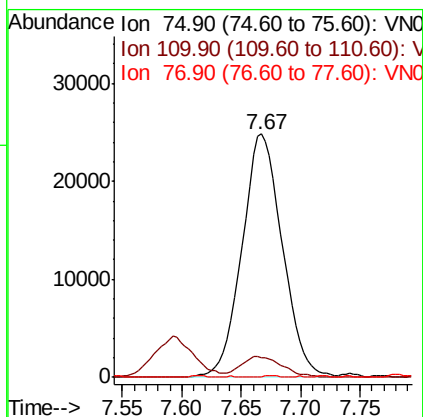
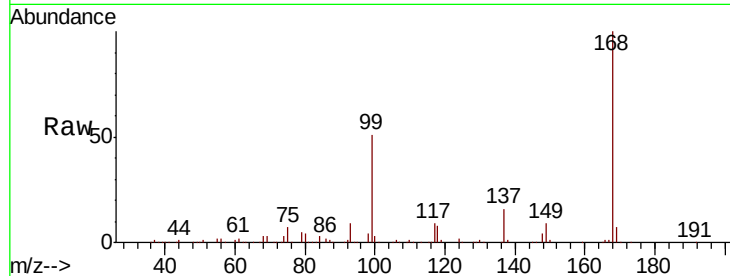




#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

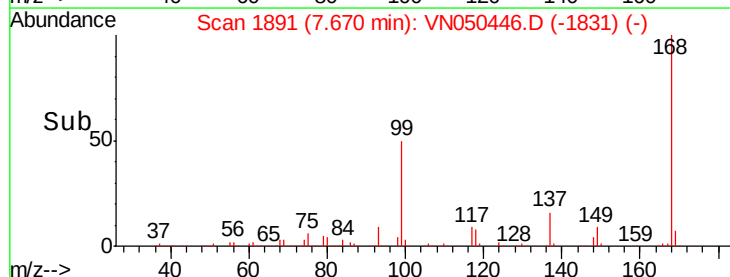
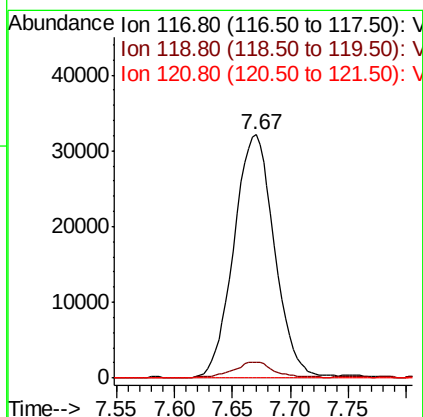
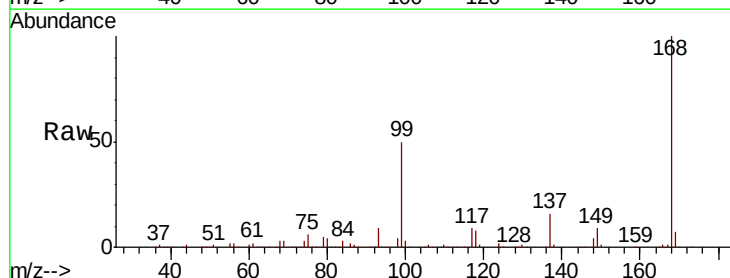
Instrument :
 MSVOA_N
 ClientSampleId :
 PB111815TB

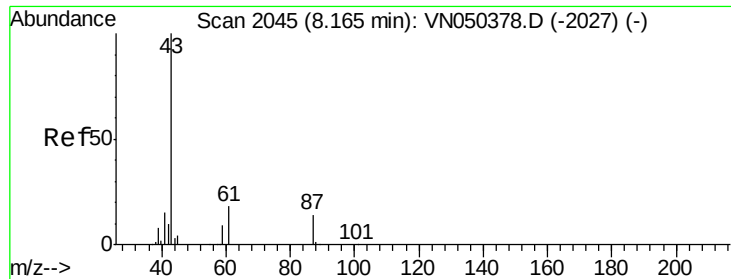
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.4	55.2#
77	0.3	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 5.10 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.4	116.0#
121	0.0	23.9	35.9#





#43

Isopropyl Acetate

Concen: 18.53 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

PB111815TB

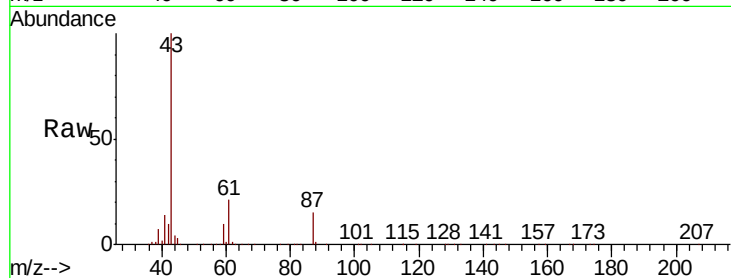
Tot Ion: 43 Resp: 339140

Ion Ratio Lower Upper

43 100

61 20.4 15.8 23.6

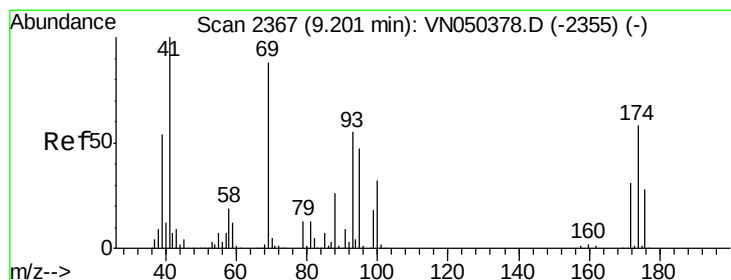
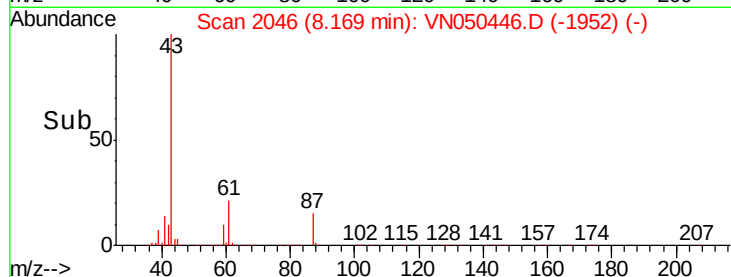
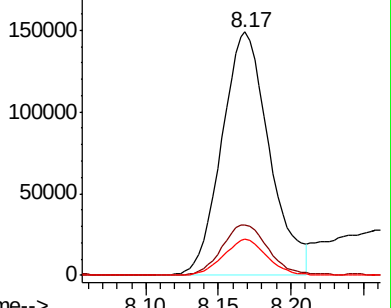
87 13.8 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 1.10 ug/l

RT: 9.18 min Scan# 2362

Delta R.T. -0.02 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

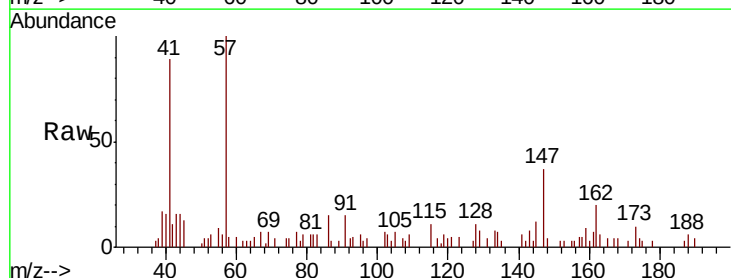
Tgt Ion: 41 Resp: 10080

Ion Ratio Lower Upper

41 100

69 2.3 70.6 105.8#

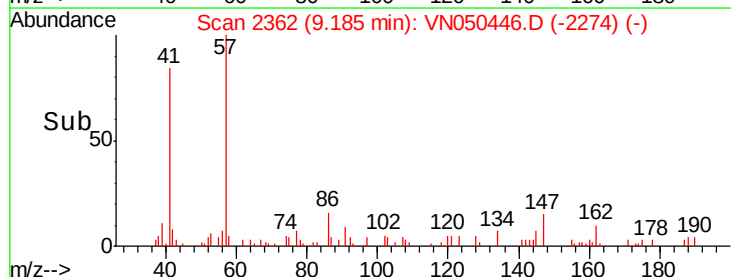
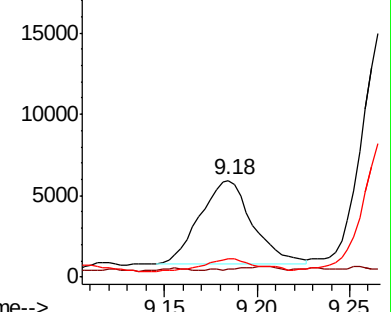
39 15.8 43.9 65.9#

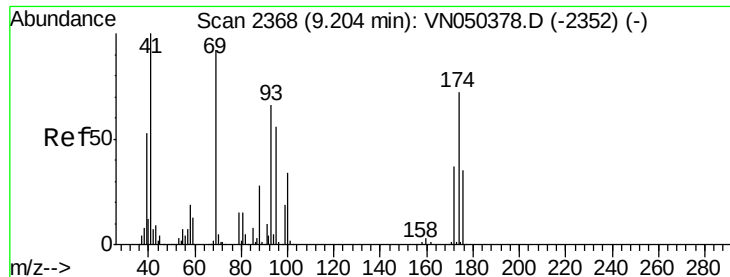


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.74 ug/l

RT: 9.28 min Scan# 2392

Delta R.T. 0.08 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

PB111815TB

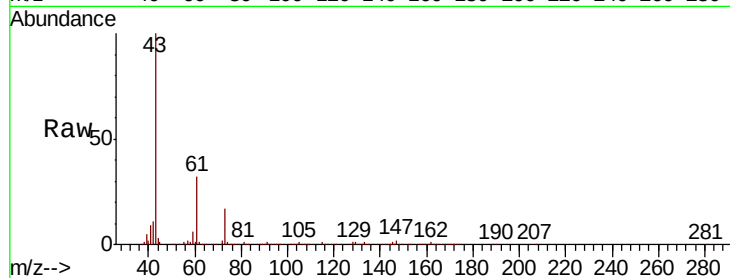
Tot Ion: 88 Resp: 105

Ion Ratio Lower Upper

88 100

43 338843.8 26.9 40.3#

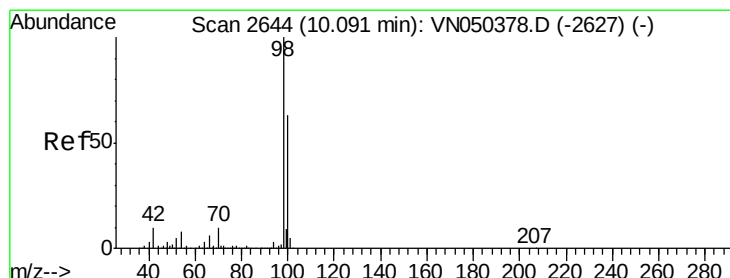
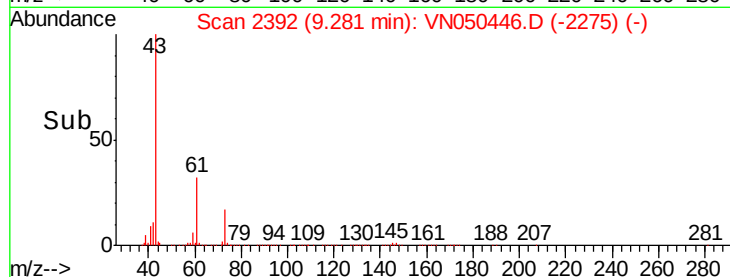
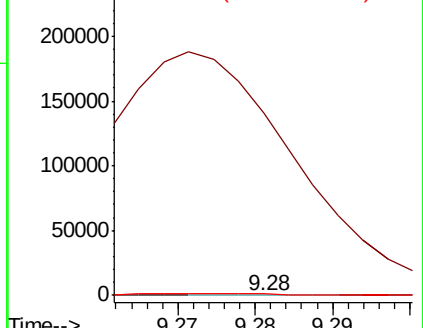
58 2220.0 57.3 85.9#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.76 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050446.D

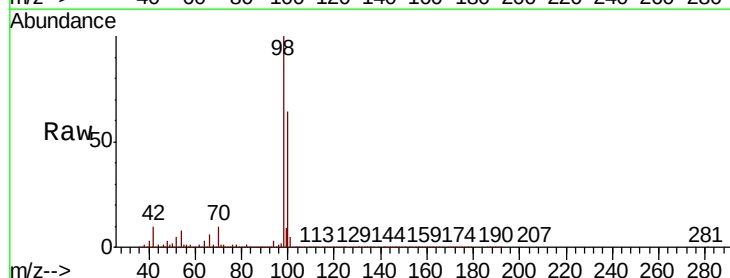
Acq: 7 Aug 2018 21:13

Tgt Ion: 98 Resp: 1890281

Ion Ratio Lower Upper

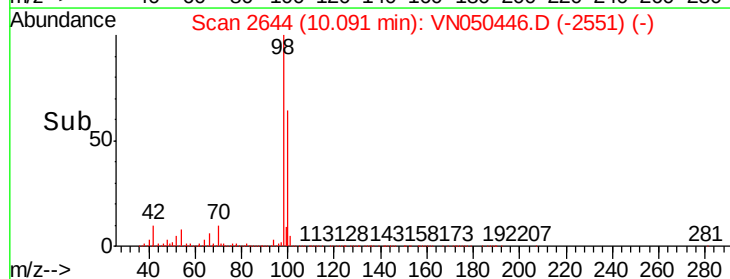
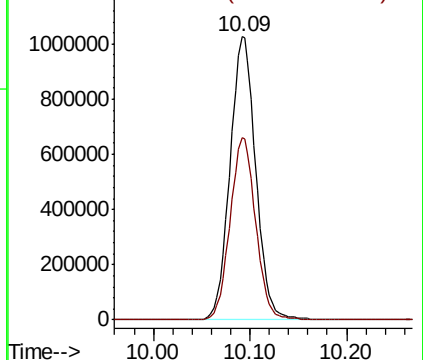
98 100

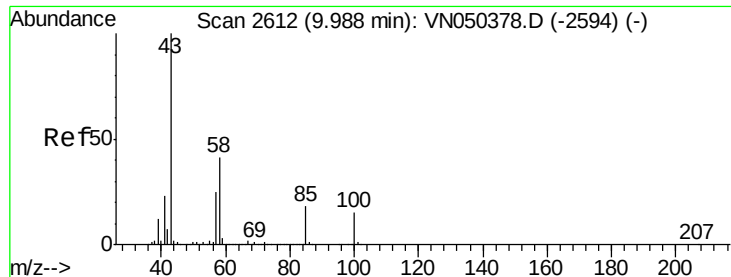
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

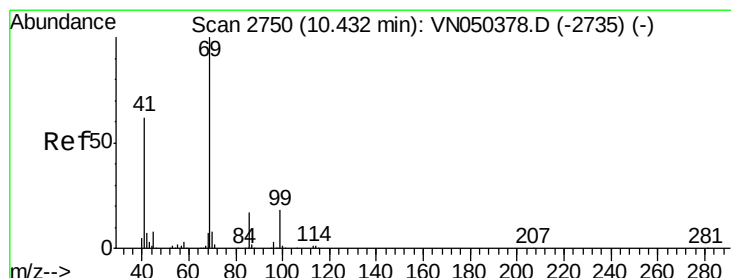
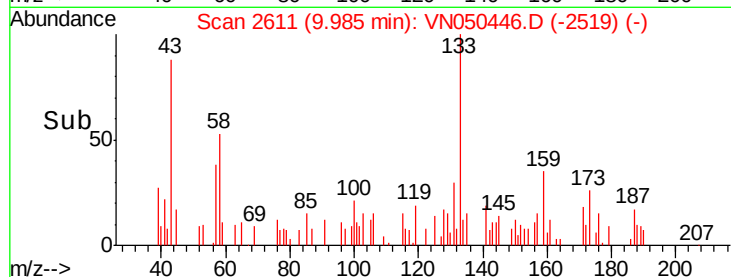
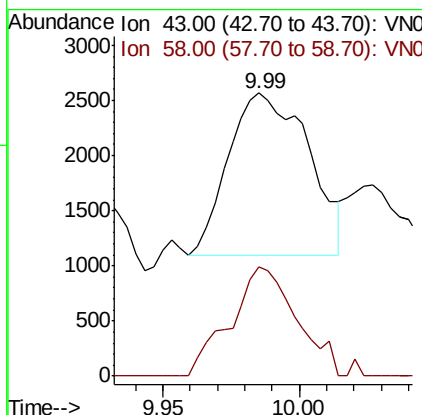
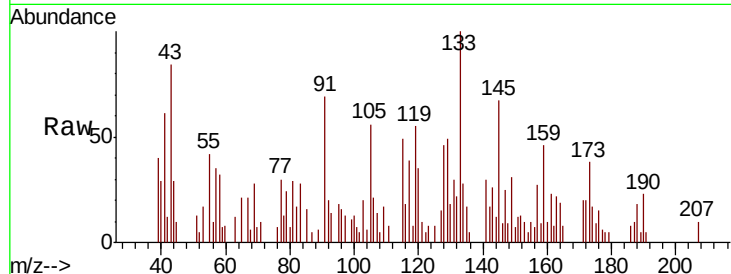




#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050446.D
Acq: 7 Aug 2018 21:13

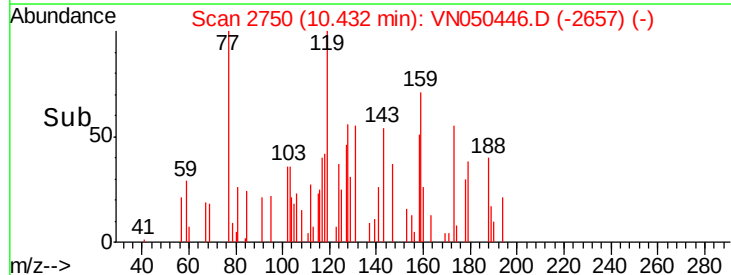
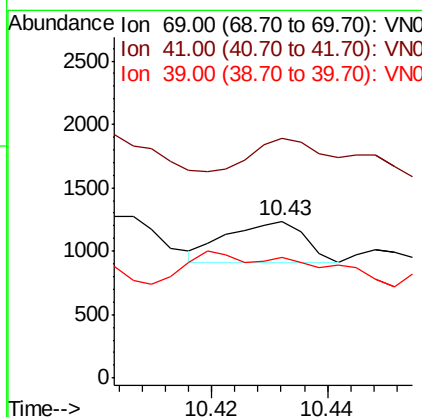
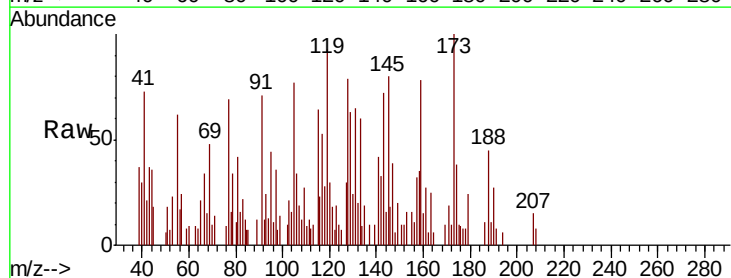
Instrument :
MSVOA_N
ClientSampleId :
PB111815TB

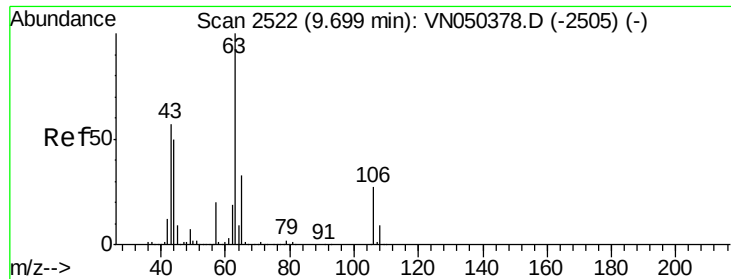
Tot Ion: 43 Resp: 3019
Ion Ratio Lower Upper
43 100
58 55.1 31.9 47.9#



#56
Ethyl methacrylate
Concen: 1.73 ug/l
RT: 10.43 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VN050446.D
Acq: 7 Aug 2018 21:13

Tgt Ion: 69 Resp: 293
Ion Ratio Lower Upper
69 100
41 119.1 51.0 76.4#
39 138.2 26.6 40.0#

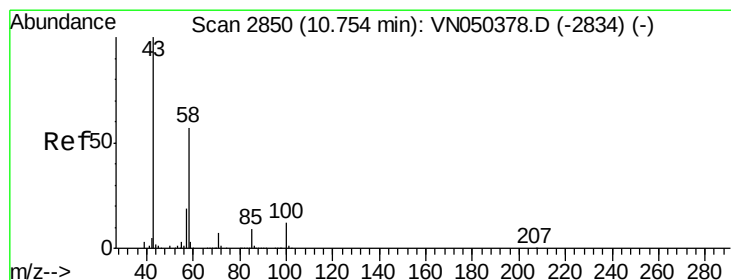
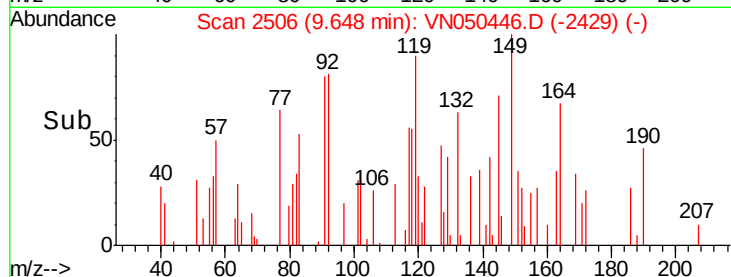
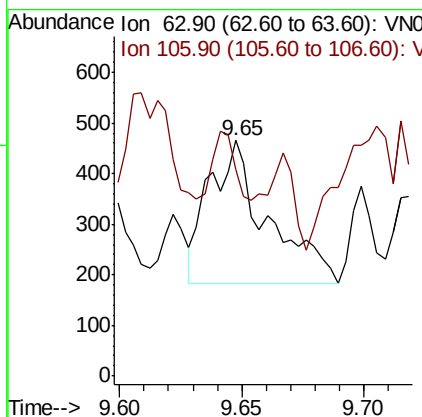
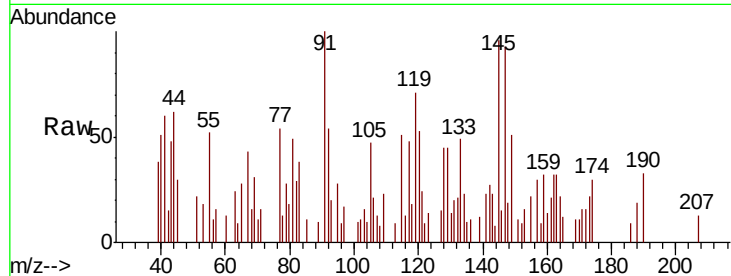




#58
 2-Chloroethyl Vinyl ether
 Concen: 7.46 ug/l
 RT: 9.65 min Scan# 2506
 Delta R.T. -0.05 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

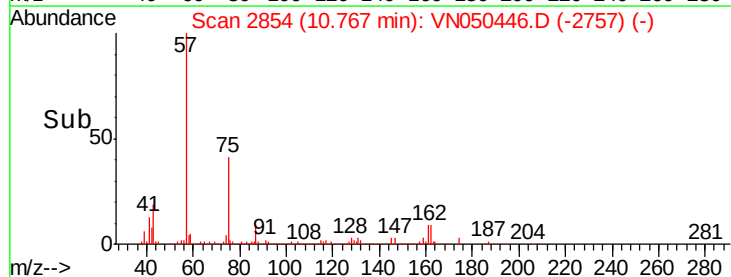
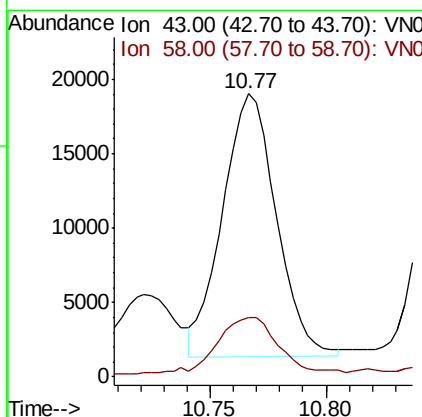
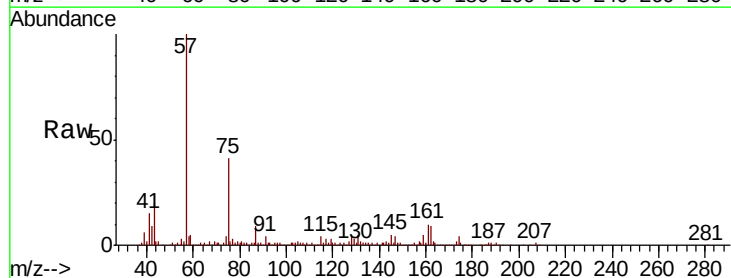
Instrument :
 MSVOA_N
 ClientSampled :
 PB111815TB

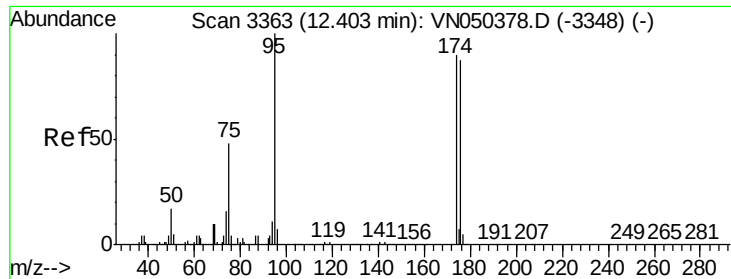
Tot Ion: 63 Resp: 471
 Ion Ratio Lower Upper
 63 100
 106 22.1 21.7 32.5



#59
 2-Hexanone
 Concen: 3.11 ug/l
 RT: 10.77 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

Tgt Ion: 43 Resp: 28576
 Ion Ratio Lower Upper
 43 100
 58 25.2 27.6 82.7#





#62

4-Bromofluorobenzene

Concen: 43.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

PB111815TB

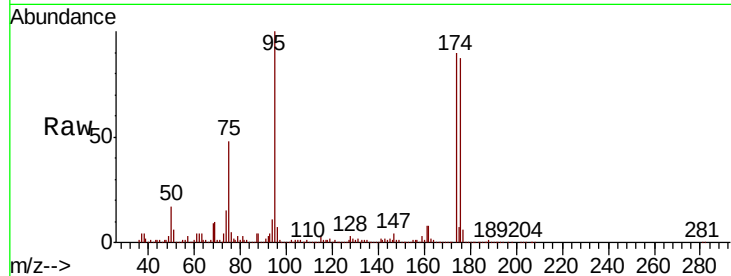
Tot Ion: 95 Resp: 605525

Ion Ratio Lower Upper

95 100

174 89.3 0.0 178.2

176 87.2 0.0 173.4

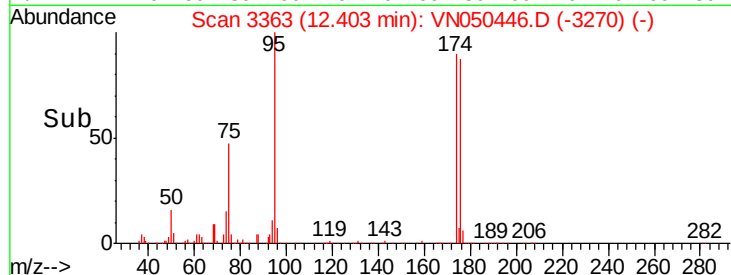


Abundance Ion 94.90 (94.60 to 95.60): VN050378.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050378.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050378.D (-3348) (-)

Time-->

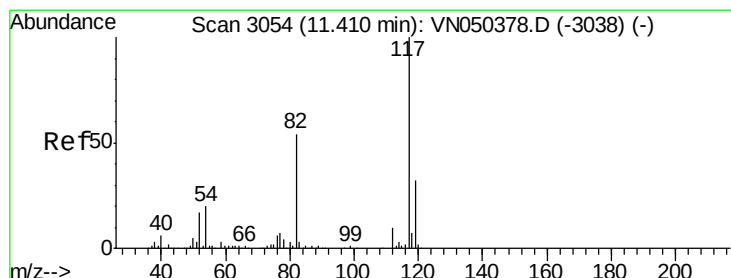


Abundance Ion 94.90 (94.60 to 95.60): VN050446.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN050446.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN050446.D (-3270) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

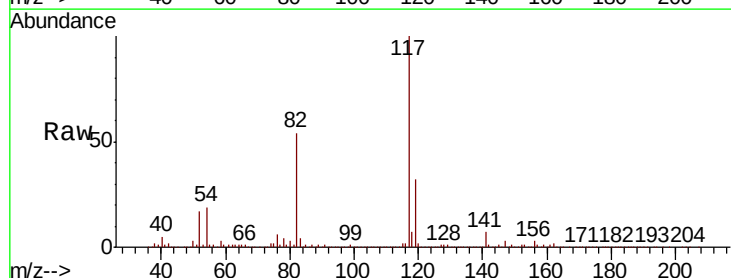
Tgt Ion: 117 Resp: 1181390

Ion Ratio Lower Upper

117 100

82 53.6 43.7 65.5

119 31.9 26.1 39.1

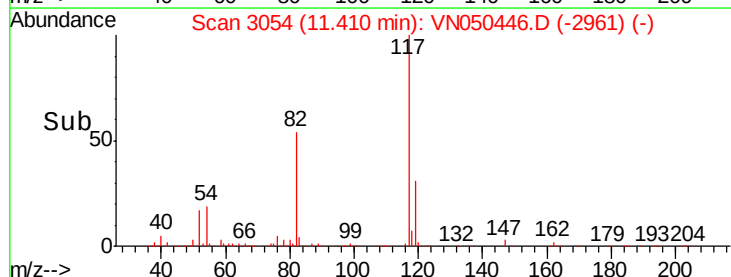


Abundance Ion 116.90 (116.60 to 117.60): VN050378.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN050378.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050378.D (-3038) (-)

Time-->

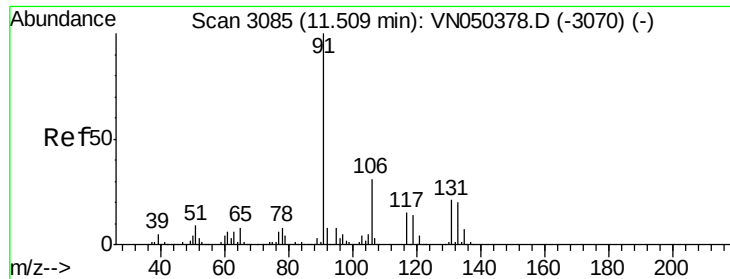


Abundance Ion 116.90 (116.60 to 117.60): VN050446.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN050446.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN050446.D (-2961) (-)

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 0.24 ug/l

RT: 11.49 min Scan# 3080

Delta R.T. -0.02 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

PB111815TB

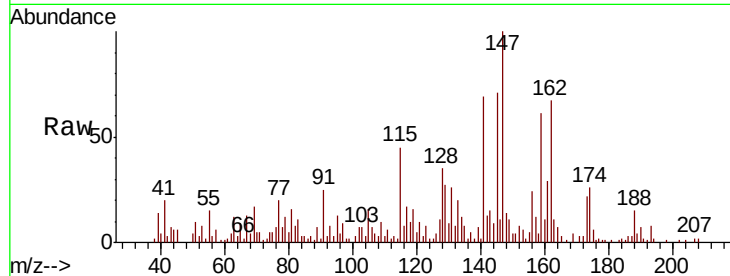
Tot Ion:131 Resp: 2557

Ion Ratio Lower Upper

131 100

133 0.0 47.3 141.9#

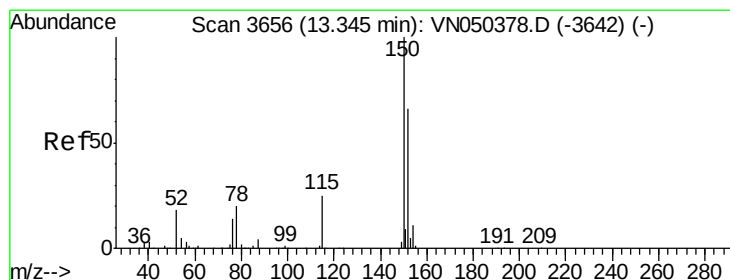
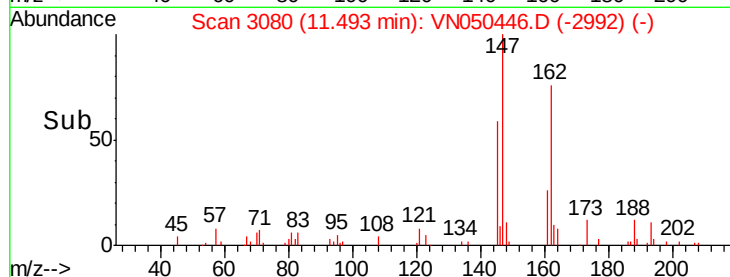
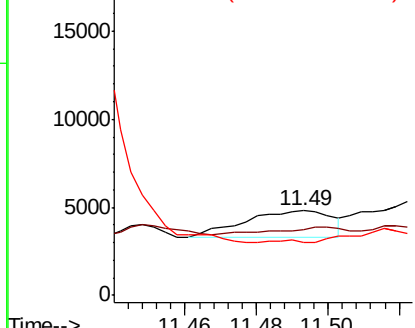
119 0.0 32.9 98.7#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): 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: VN050446.D

Acq: 7 Aug 2018 21:13

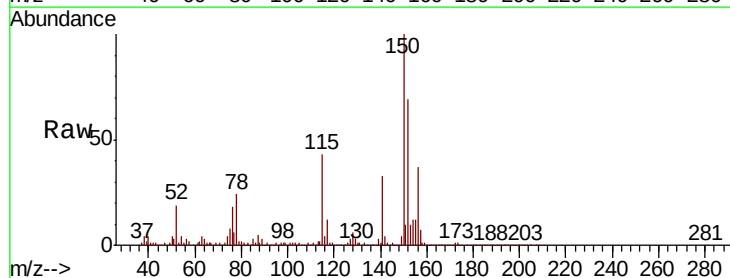
Tgt Ion:152 Resp: 613538

Ion Ratio Lower Upper

152 100

115 71.4 27.8 83.3

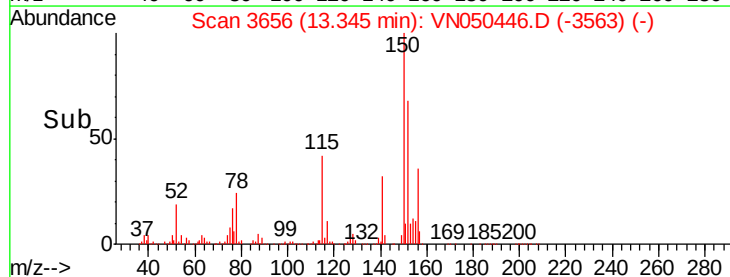
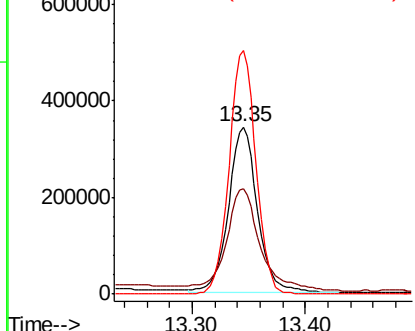
150 134.4 0.0 348.6

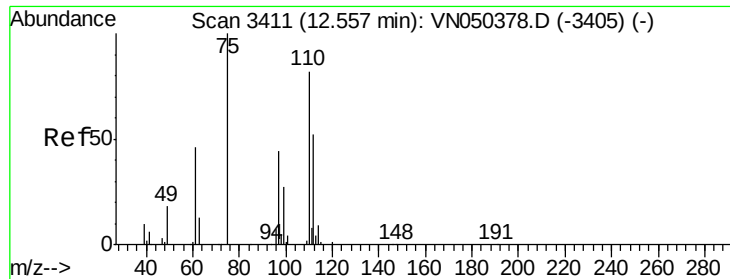


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 8.17 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

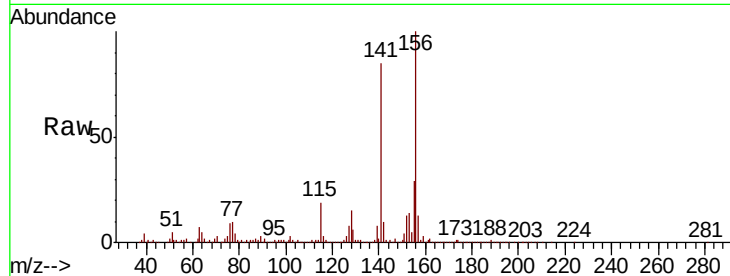
PB111815TB

Tot Ion: 75 Resp: 90735

Ion Ratio Lower Upper

75 100

77 359.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

200000

150000

100000

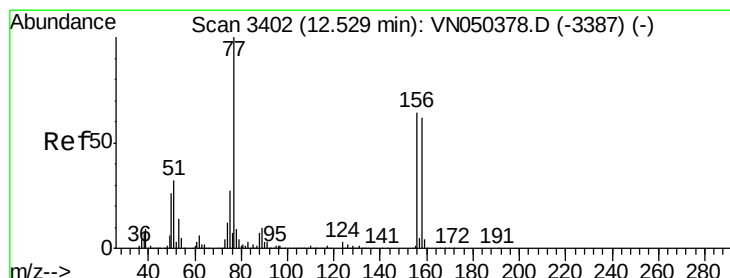
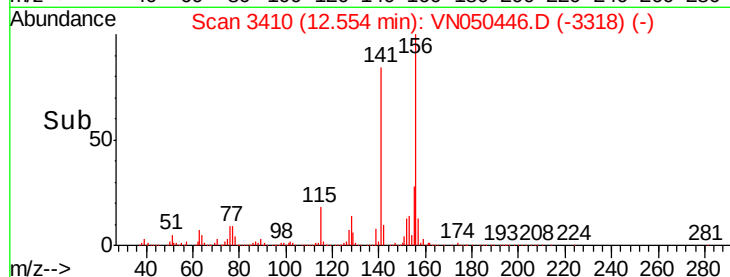
50000

0

12.40 12.50 12.60

12.55

Time-->



#77

Bromobenzene

Concen: 297.04 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.03 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

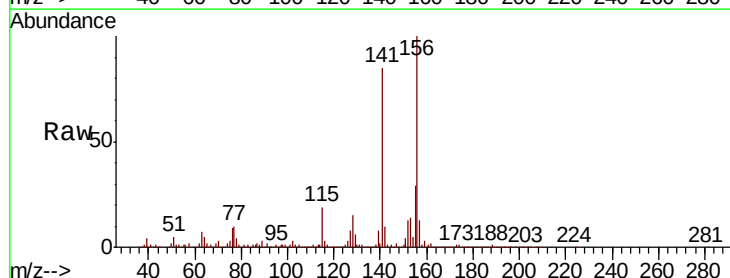
Tgt Ion: 156 Resp: 3665024

Ion Ratio Lower Upper

156 100

77 8.7 91.7 275.1#

158 0.0 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

800000

600000

400000

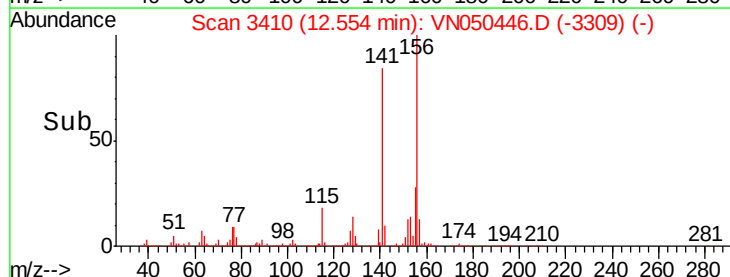
200000

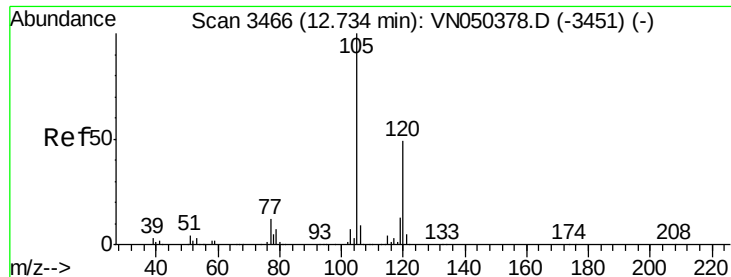
0

12.40 12.50 12.60

12.55

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 2.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

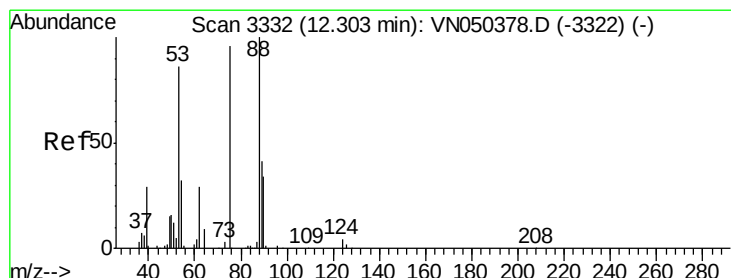
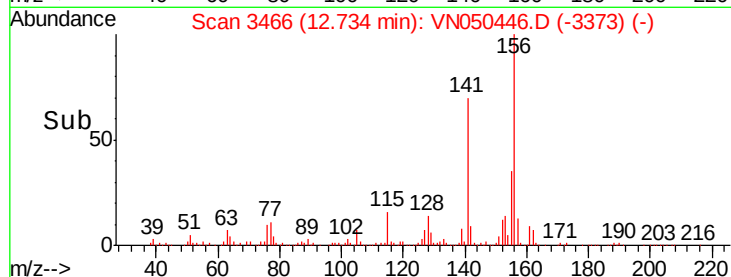
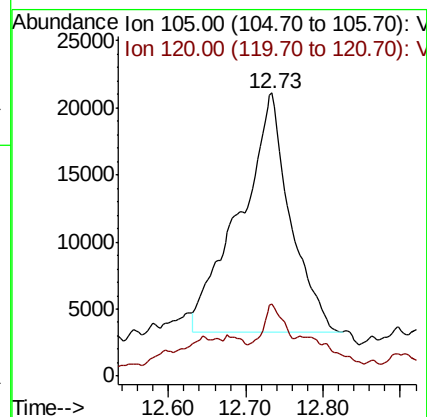
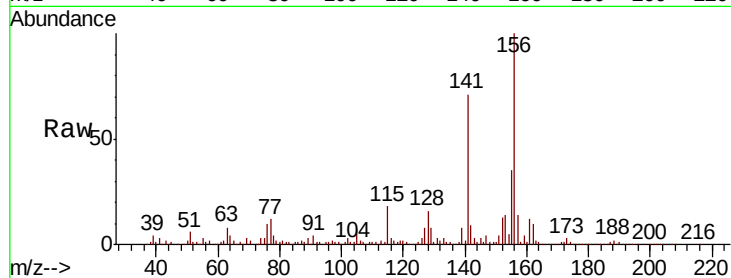
PB111815TB

Tot Ion:105 Resp: 81343

Ion Ratio Lower Upper

105 100

120 4.4 24.4 73.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

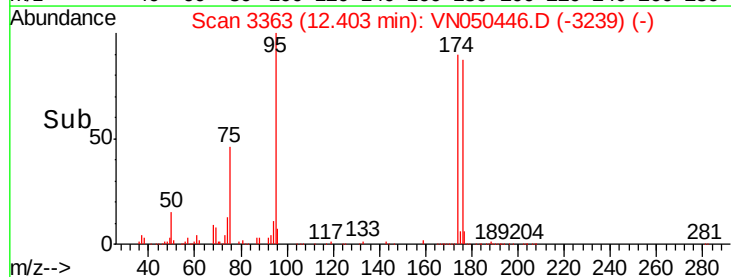
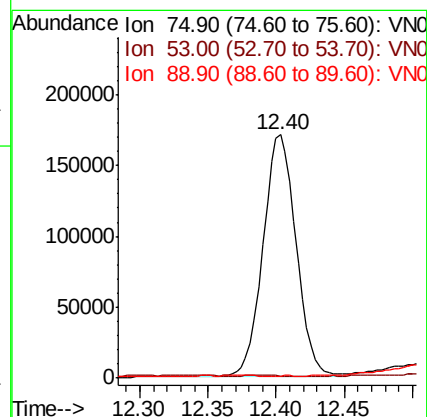
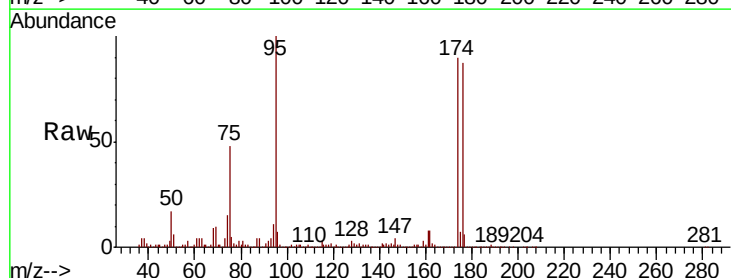
Tgt Ion: 75 Resp: 286804

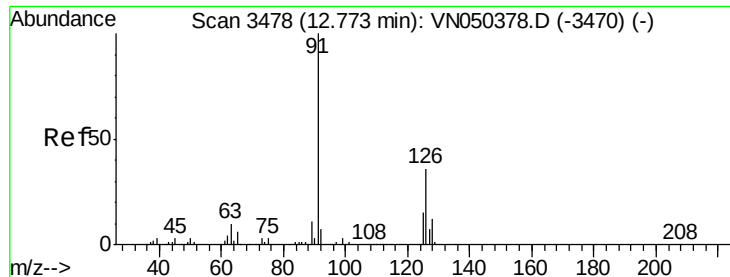
Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 36.0 54.0#





#82

4-Chlorotoluene

Concen: 0.56 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.04 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

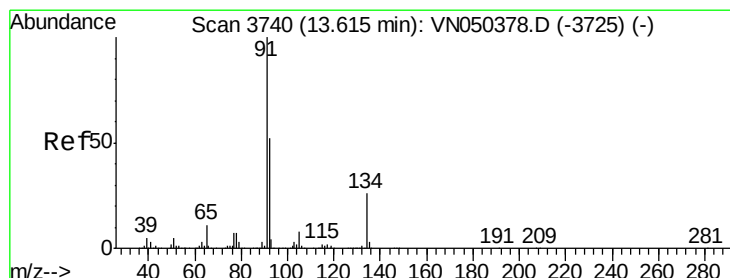
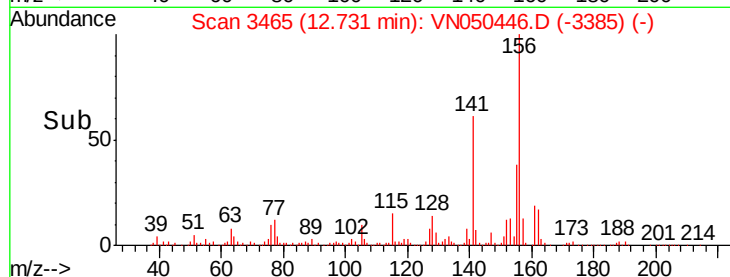
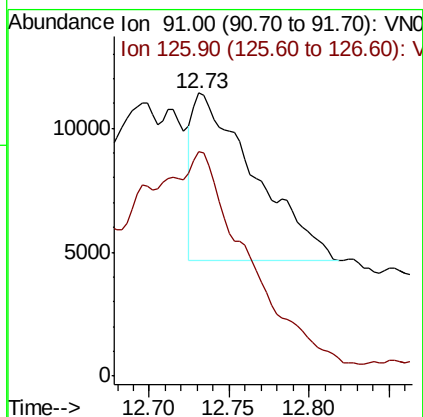
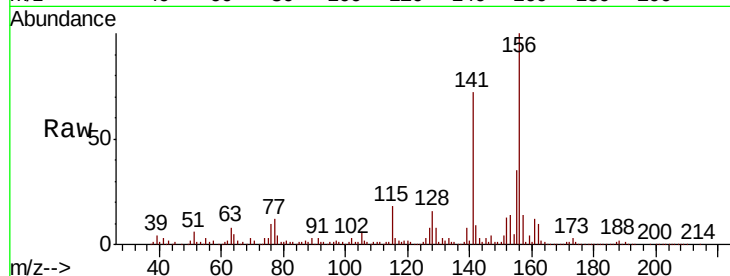
PB111815TB

Tot Ion: 91 Resp: 17998

Ion Ratio Lower Upper

91 100

126 0.0 17.0 51.0#



#89

n-Butylbenzene

Concen: 0.26 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.00 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

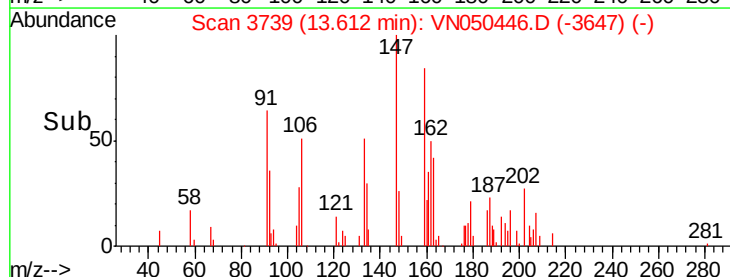
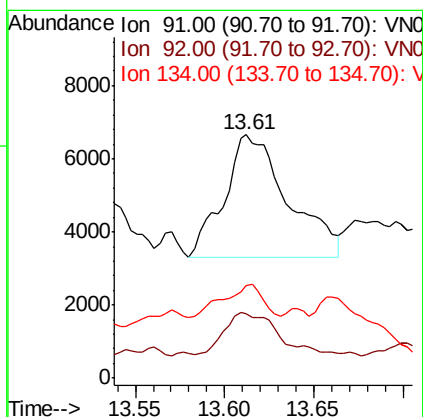
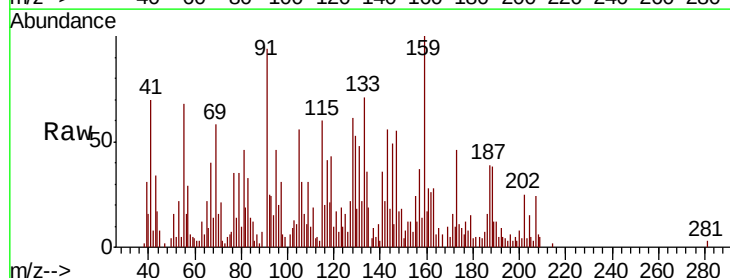
Tgt Ion: 91 Resp: 8311

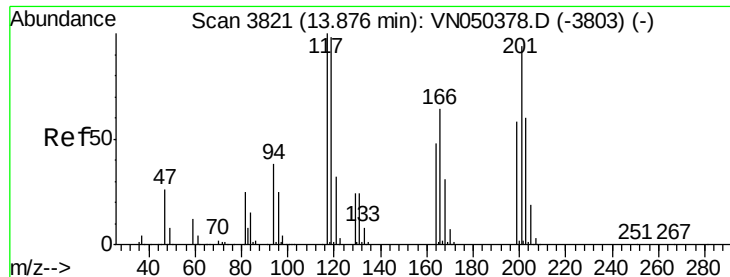
Ion Ratio Lower Upper

91 100

92 28.4 25.8 77.4

134 18.3 12.8 38.4





#90

Hexachloroethane

Concen: 0.50 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

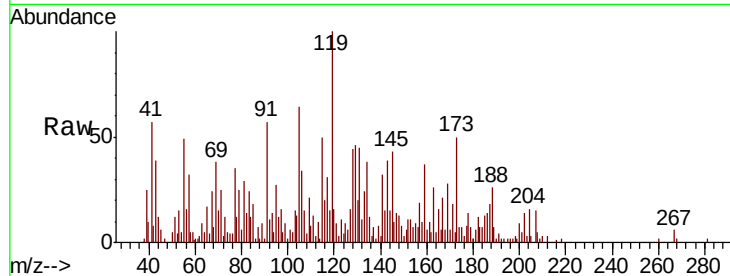
PB111815TB

Tot Ion:117 Resp: 3339

Ion Ratio Lower Upper

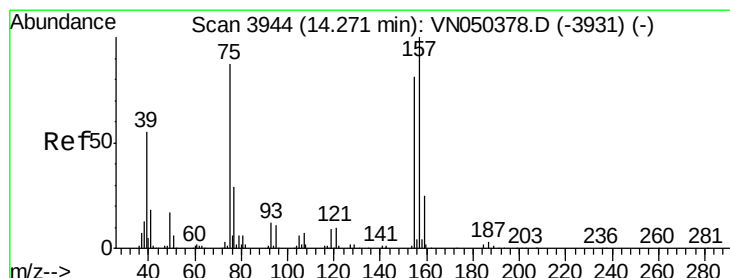
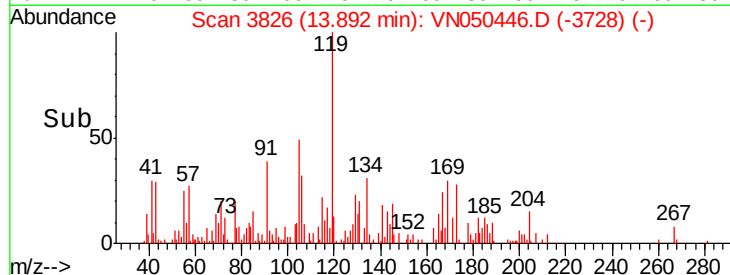
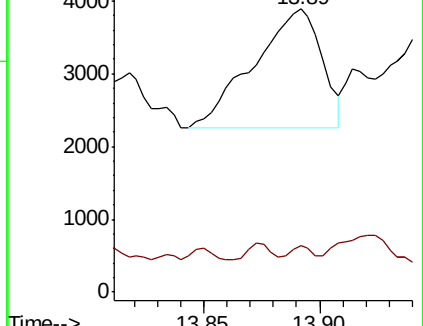
117 100

201 6.9 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.92 ug/l

RT: 14.30 min Scan# 3952

Delta R.T. 0.03 min

Lab File: VN050446.D

Acq: 7 Aug 2018 21:13

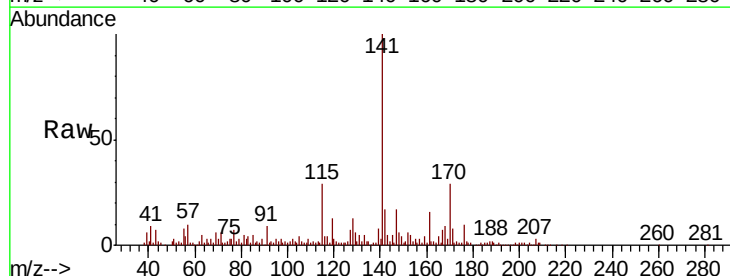
Tgt Ion: 75 Resp: 6584

Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

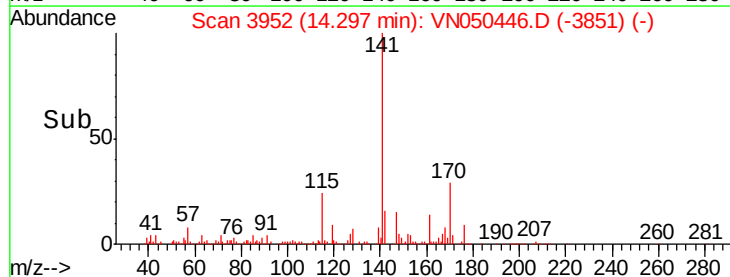
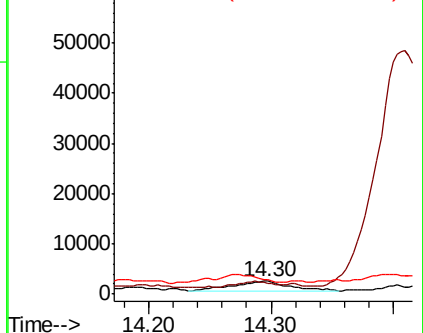
157 0.0 57.2 171.6#

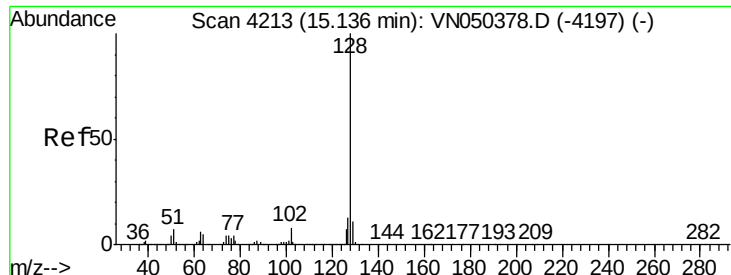


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95
 Naphthalene
 Concen: 4.80 ug/l
 RT: 15.17 min Scan# 4224
 Delta R.T. 0.04 min
 Lab File: VN050446.D
 Acq: 7 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111815TB

Tot Ion:128 Resp: 37802
 Ion Ratio Lower Upper
 128 100
 127 38.4 10.4 15.6#
 129 35.0 8.8 13.2#

