

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050618.D
 Acq On : 14 Aug 2018 22:35
 Operator : MD\SY
 Sample : VN0814WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Quant Time: Aug 15 07:25:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	611537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	959017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	811798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270849	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	412185	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	
35) Dibromofluoromethane	7.59	113	388537	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.09	98	1355845	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
62) 4-Bromofluorobenzene	12.40	95	344937	36.23	ug/l	0.00
Spiked Amount			Recovery	=	72.46%	

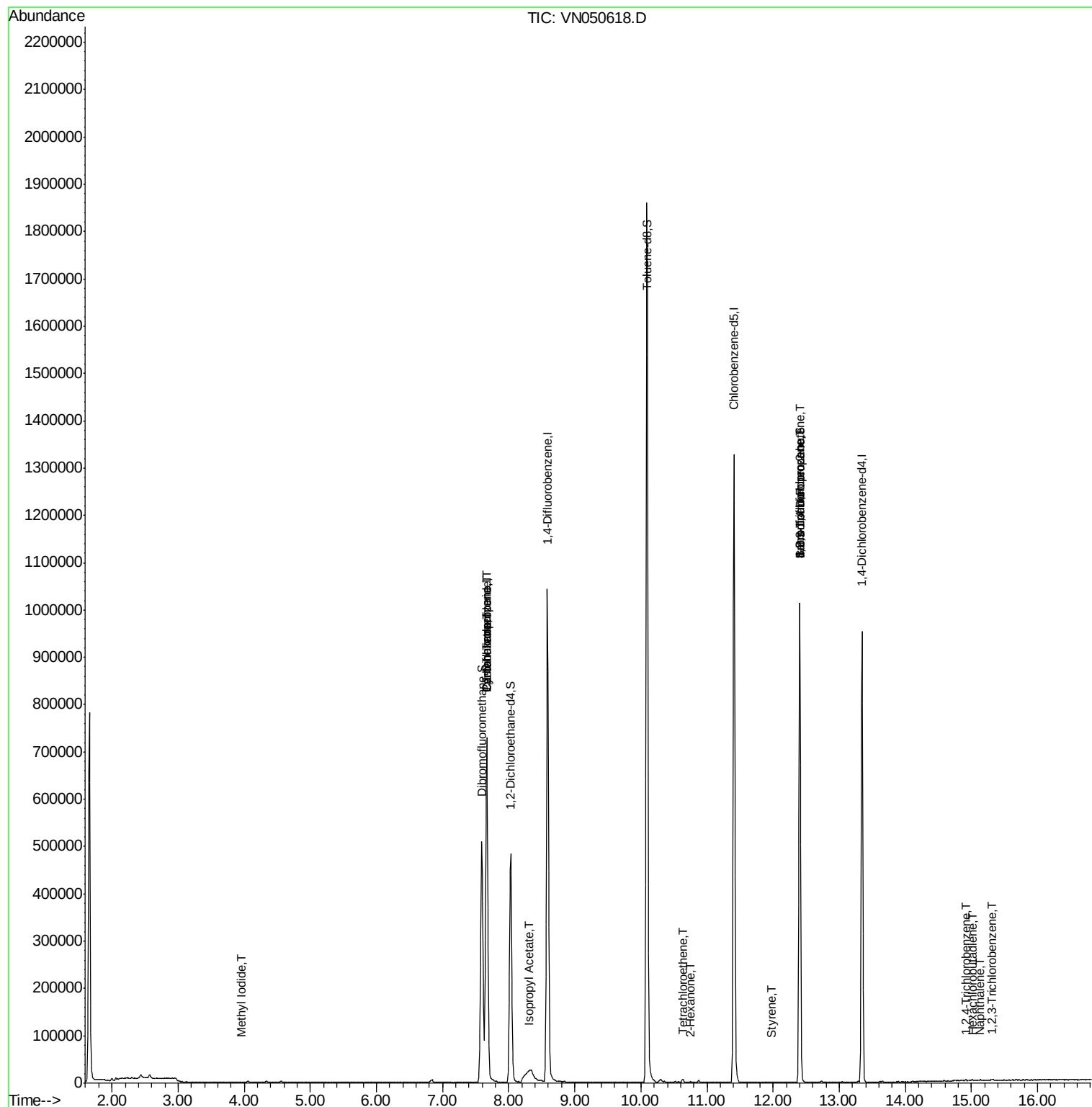
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2815	Below Cal		95
5) Bromomethane	2.57	94	4273	Below Cal		89
6) Chloroethane	2.69	64	125	Below Cal	#	43
10) Methyl Iodide	3.97	142	1490	7.197	ug/l #	72
16) Acetone	3.82	43	730	Below Cal		94
18) Methyl Acetate	4.33	43	4762	Below Cal	#	68
20) Methylene Chloride	4.55	84	1829	Below Cal	#	81
31) Cyclohexane	7.66	56	10648	0.569	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42912	4.020	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54809	4.949	ug/l #	16
43) Isopropyl Acetate	8.30	43	36116	3.284	ug/l #	60
59) 2-Hexanone	10.75	43	1000	0.208	ug/l #	45
64) Tetrachloroethene	10.63	164	1630	0.216	ug/l	92
70) Styrene	11.98	104	266	0.953	ug/l #	51
71) Bromoform	12.40	173	2671	0.532	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	305	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	164781	37.397	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	164781	135.257	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	976	2.863	ug/l #	74
94) Hexachlorobutadiene	15.01	225	592	0.202	ug/l #	62
95) Naphthalene	15.13	128	2198	4.056	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	998	2.148	ug/l #	75

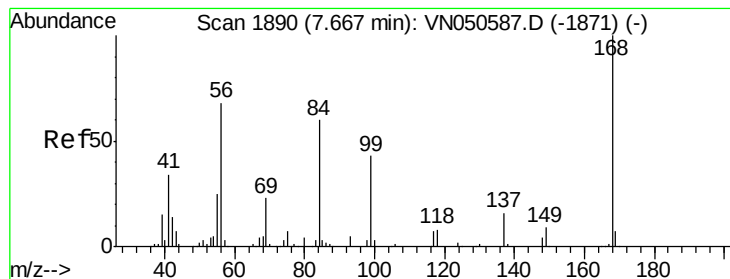
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

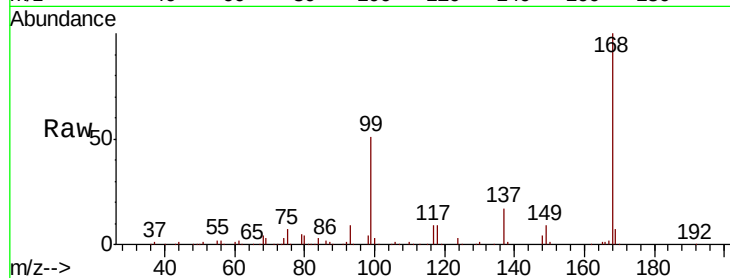
VN0814WBL02

Tgt Ion:168 Resp: 611537

Ion Ratio Lower Upper

168 100

99 51.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

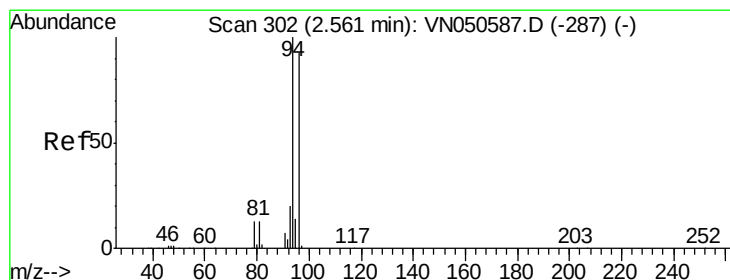
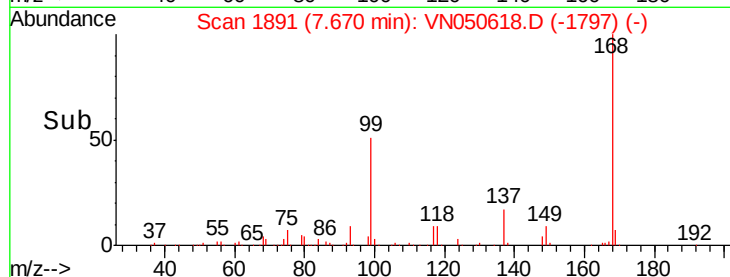
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050618.D

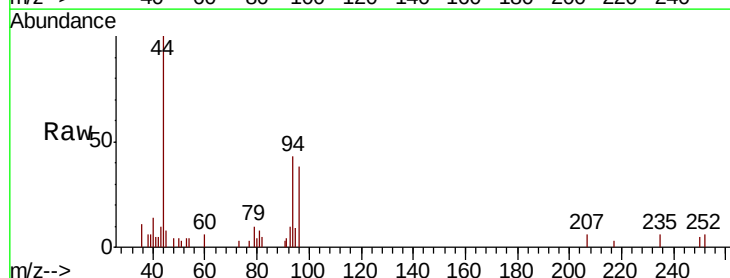
Acq: 14 Aug 2018 22:35

Tgt Ion: 94 Resp: 4273

Ion Ratio Lower Upper

94 100

96 81.5 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

2000

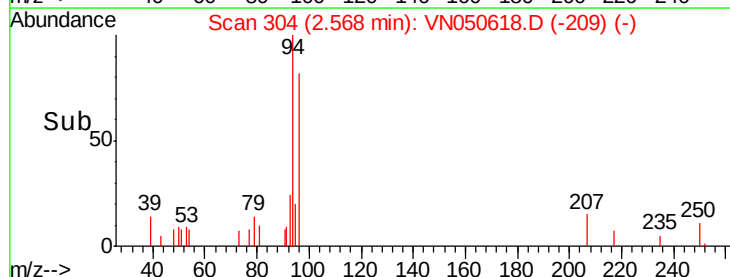
1500

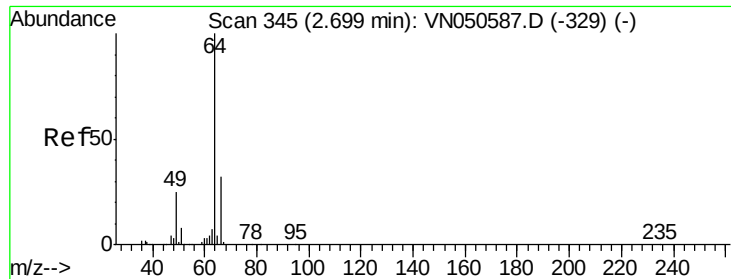
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

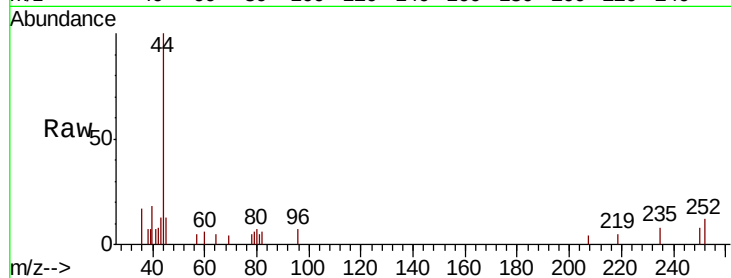
VN0814WBL02

Tgt Ion: 64 Resp: 125

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050587.D (-329) (-)

200

150

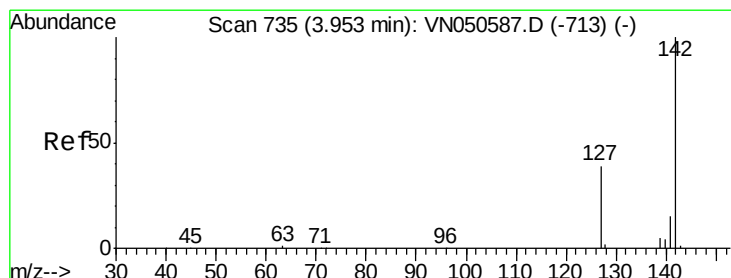
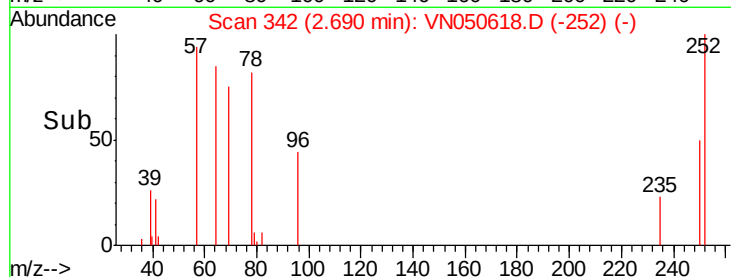
100

50

0

2.68 2.69 2.70

Time-->



#10

Methyl Iodide

Concen: 7.197 ug/l

RT: 3.97 min Scan# 739

Delta R.T. 0.01 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

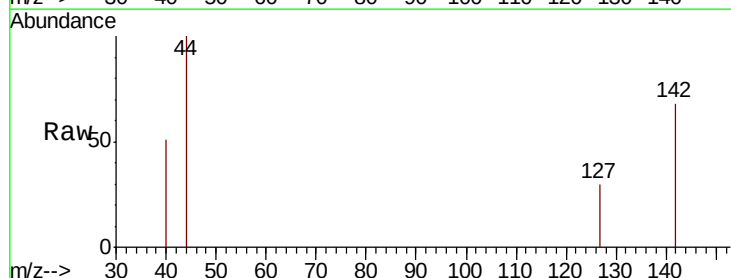
Tgt Ion: 142 Resp: 1490

Ion Ratio Lower Upper

142 100

127 24.7 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN050587.D (-713) (-)

Ion 126.80 (126.50 to 127.50): VN050587.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050587.D (-713) (-)

800

600

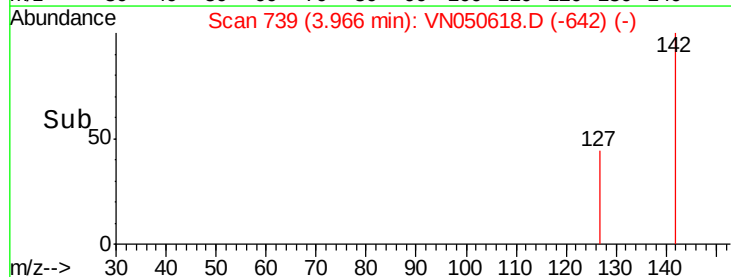
400

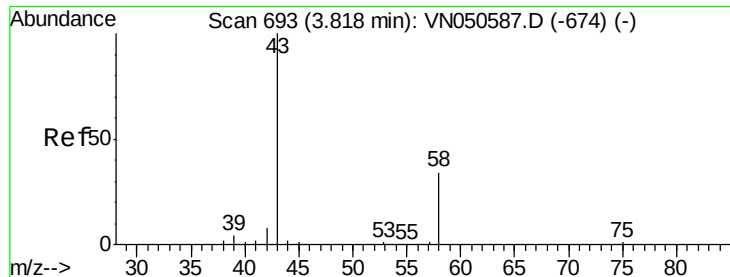
200

0

3.90 3.95 4.00

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

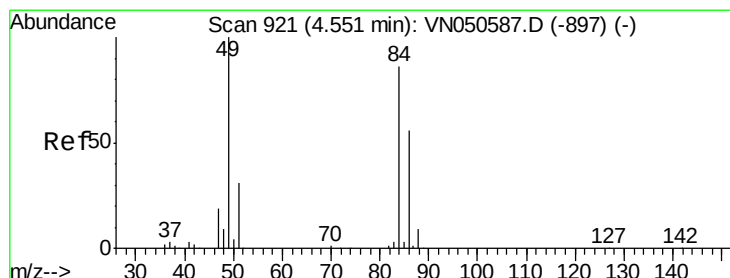
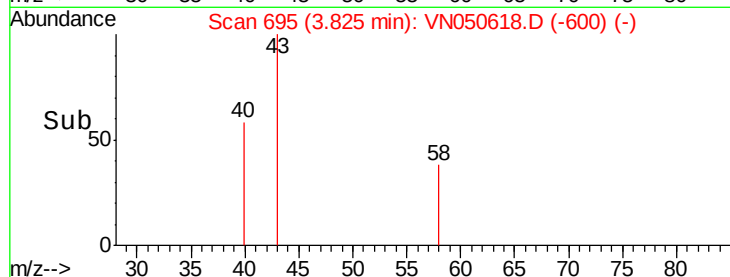
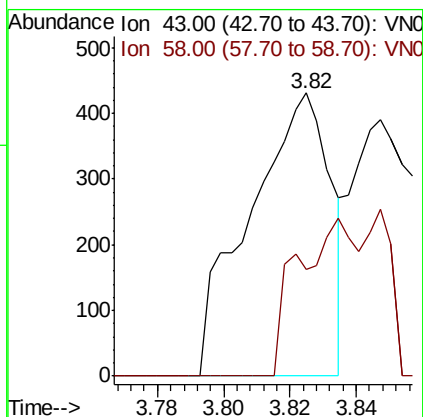
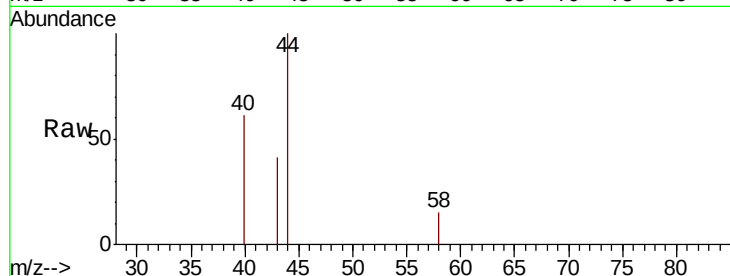
VN0814WBL02

Tgt Ion: 43 Resp: 730

Ion Ratio Lower Upper

43 100

58 37.6 27.1 40.7



#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Tgt Ion: 84 Resp: 1829

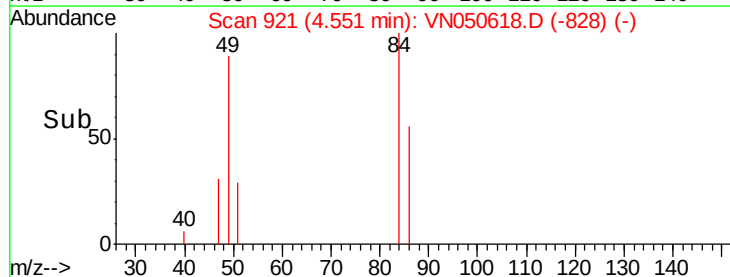
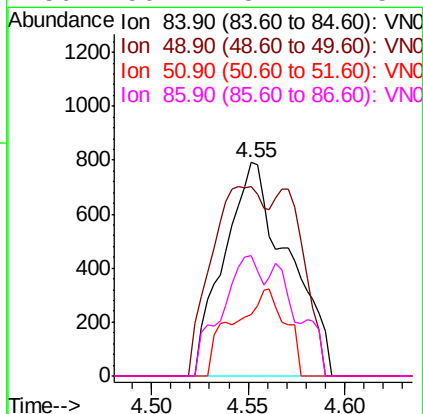
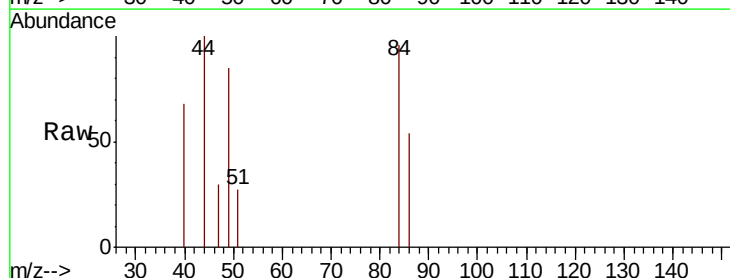
Ion Ratio Lower Upper

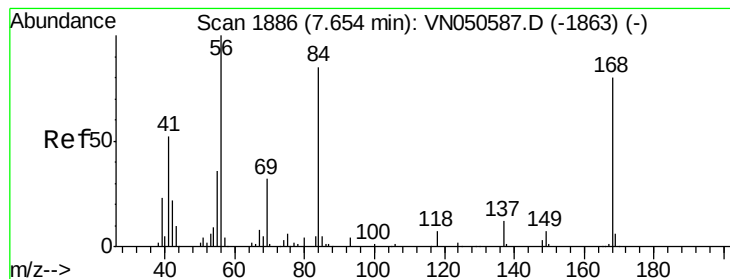
84 100

49 88.8 92.6 138.8#

51 28.5 28.6 43.0#

86 56.2 52.2 78.2





#31

Cyclohexane

Concen: 0.569 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

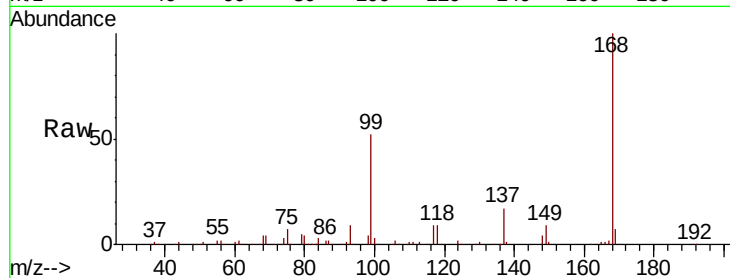
Tgt Ion: 56 Resp: 10648

Ion Ratio Lower Upper

56 100

69 220.4 25.8 38.6#

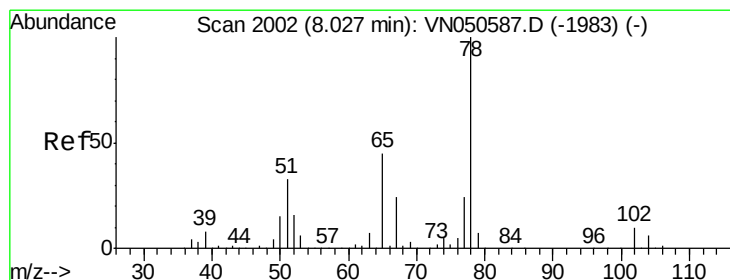
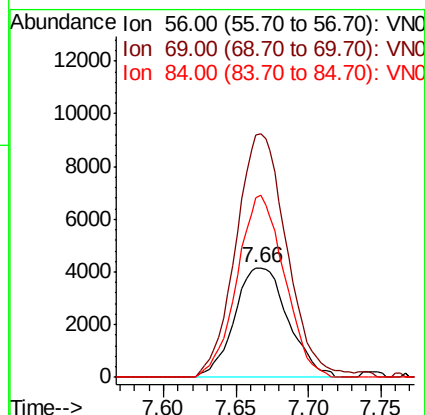
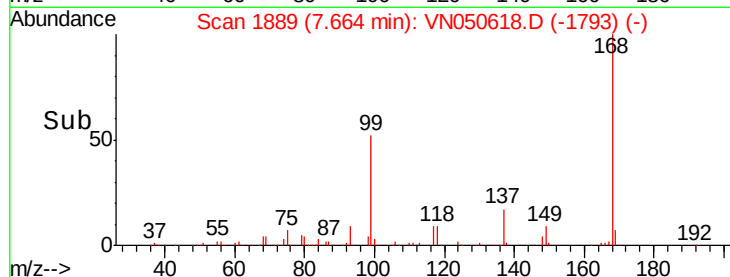
84 163.3 67.8 101.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.472 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050618.D

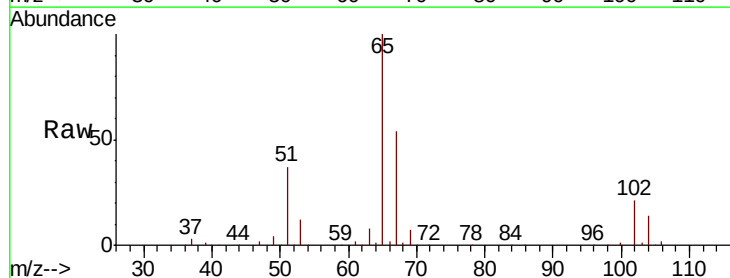
Acq: 14 Aug 2018 22:35

Tgt Ion: 65 Resp: 412185

Ion Ratio Lower Upper

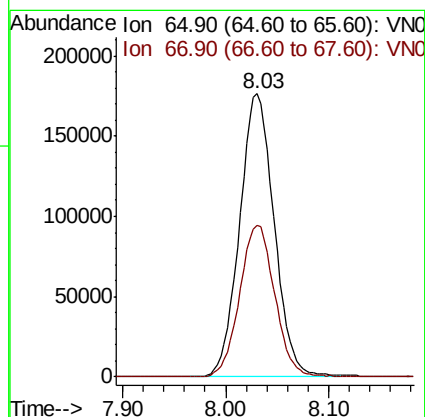
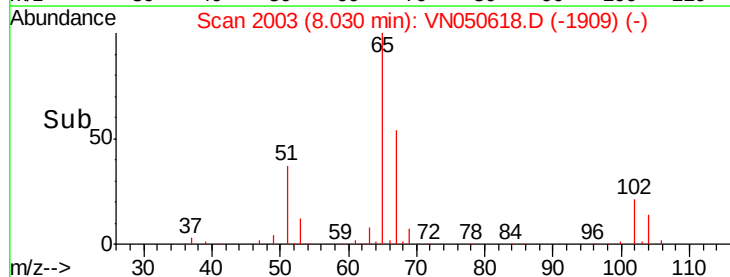
65 100

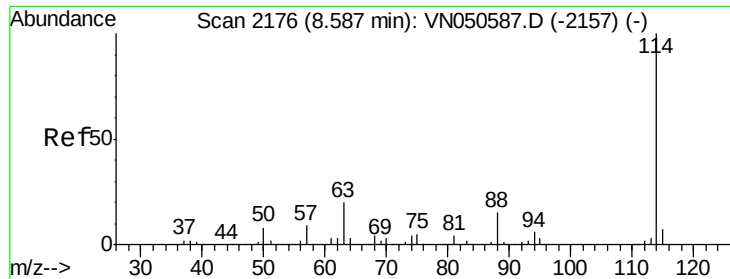
67 54.3 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

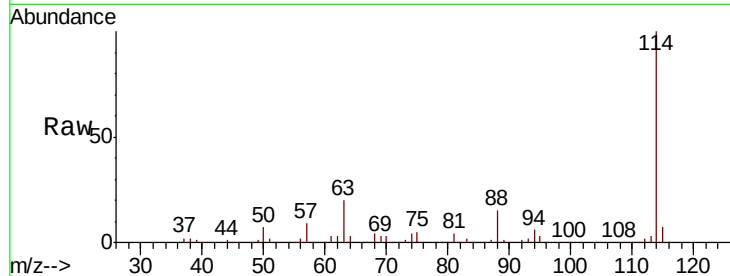




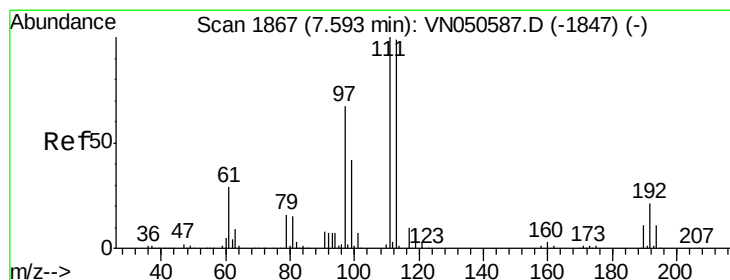
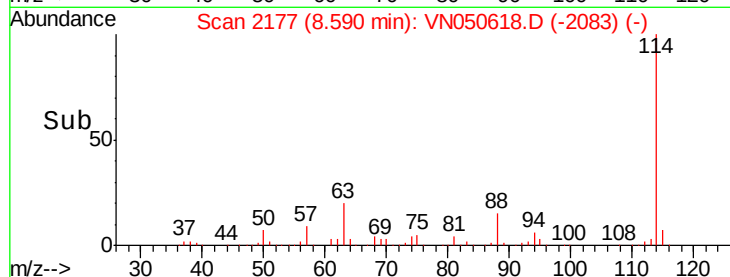
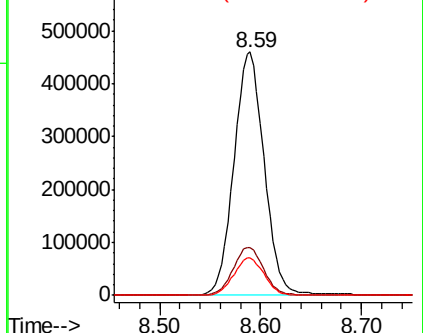
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Tgt Ion:114 Resp: 959017
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.4 0.0 30.8

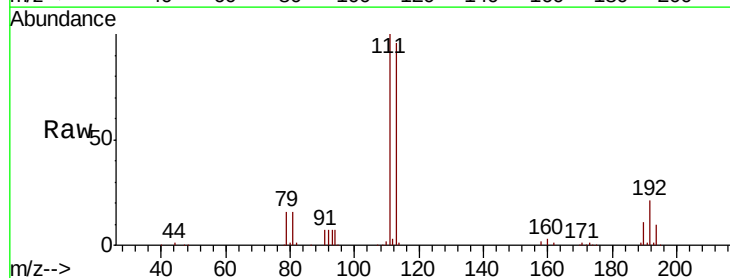


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

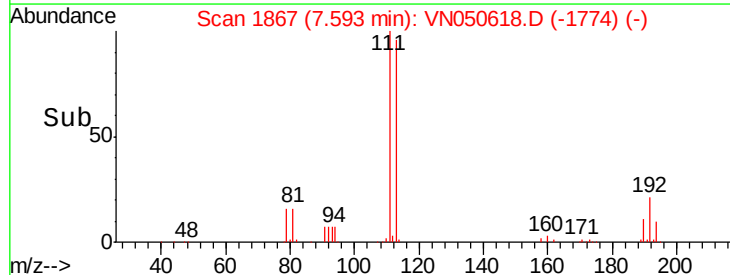
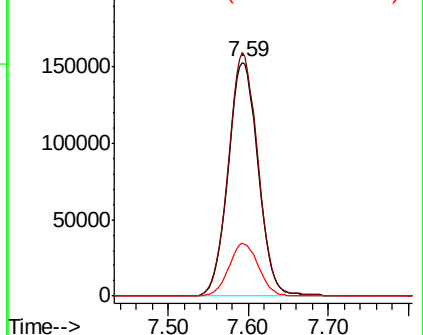


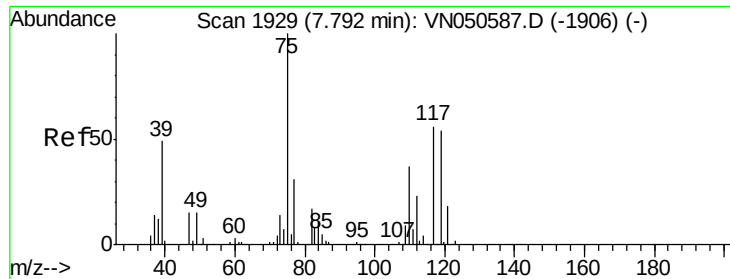
#35
 Dibromofluoromethane
 Concen: 50.746 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Tgt Ion:113 Resp: 388537
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 22.4 17.6 26.4



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: 4.020 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

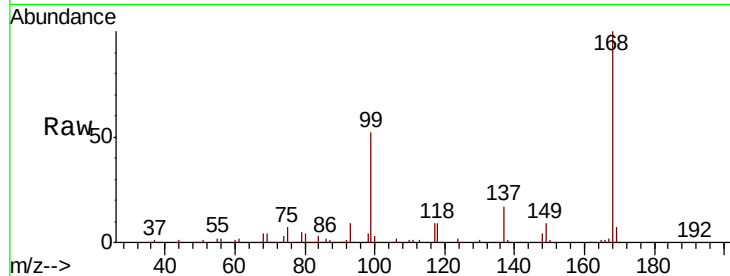
Tgt Ion: 75 Resp: 42912

Ion Ratio Lower Upper

75 100

110 8.1 18.3 54.9#

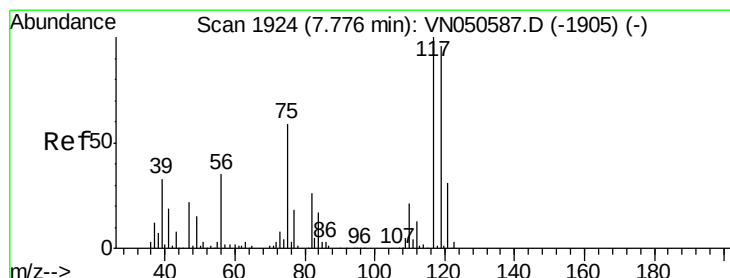
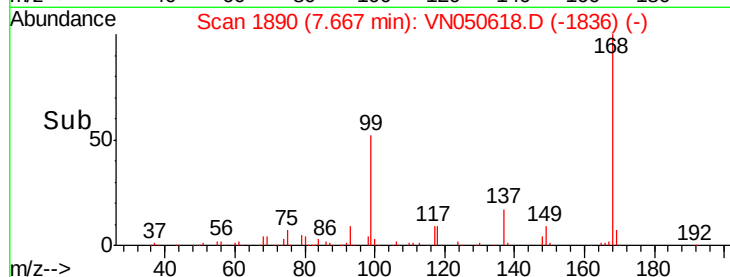
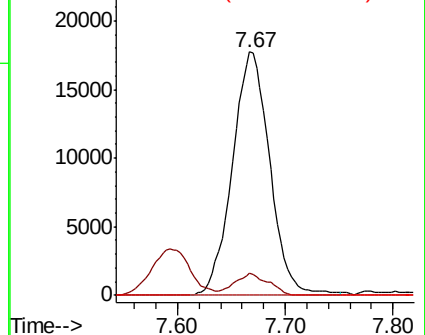
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-1906) (-)

Ion 109.90 (109.60 to 110.60): VN050587.D (-1906) (-)

Ion 76.90 (76.60 to 77.60): VN050587.D (-1906) (-)



#38

Carbon Tetrachloride

Concen: 4.949 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

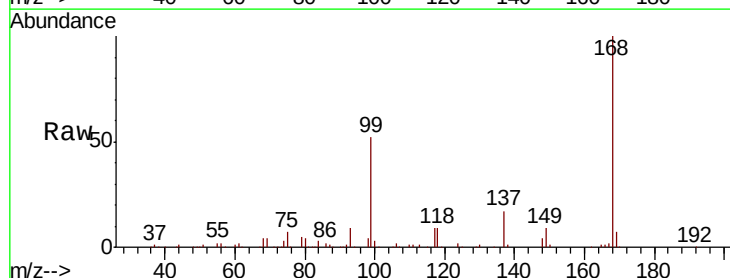
Tgt Ion: 117 Resp: 54809

Ion Ratio Lower Upper

117 100

119 5.2 76.6 115.0#

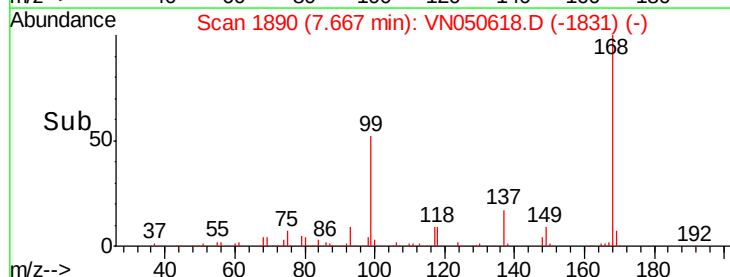
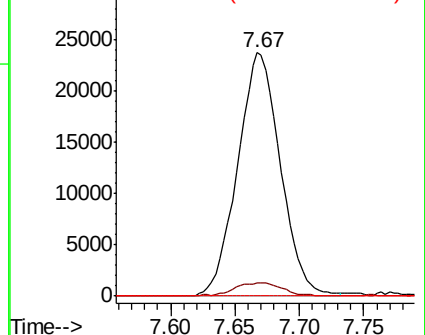
121 0.0 25.0 37.6#

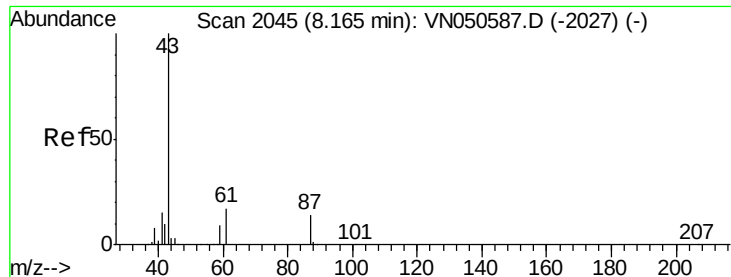


Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-1905) (-)

Ion 118.80 (118.50 to 119.50): VN050587.D (-1905) (-)

Ion 120.80 (120.50 to 121.50): VN050587.D (-1905) (-)





#43

Isopropyl Acetate

Concen: 3.284 ug/l

RT: 8.30 min Scan# 2088

Delta R.T. 0.14 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

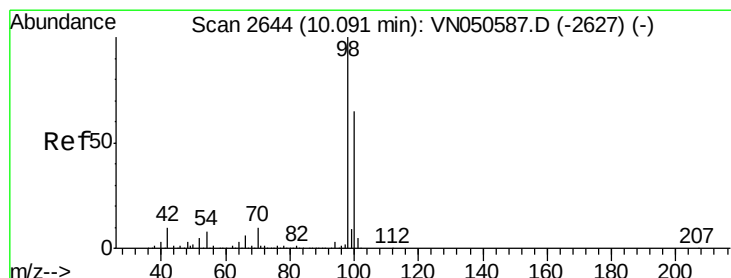
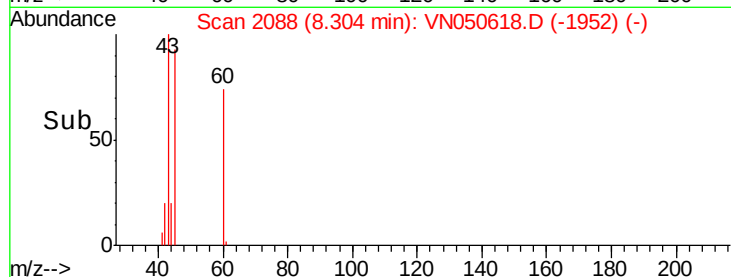
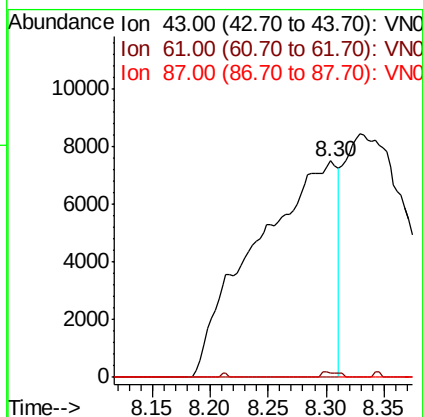
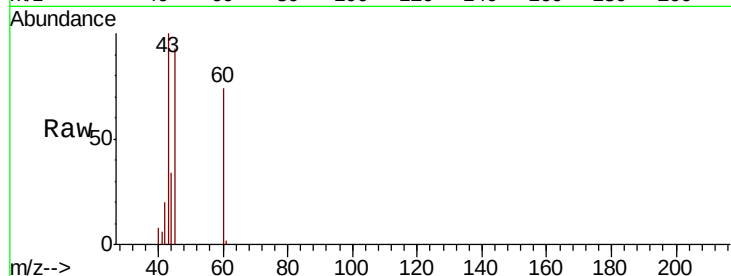
Tgt Ion: 43 Resp: 36116

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

87 0.0 10.9 16.3#



#50

Toluene-d8

Concen: 47.053 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050618.D

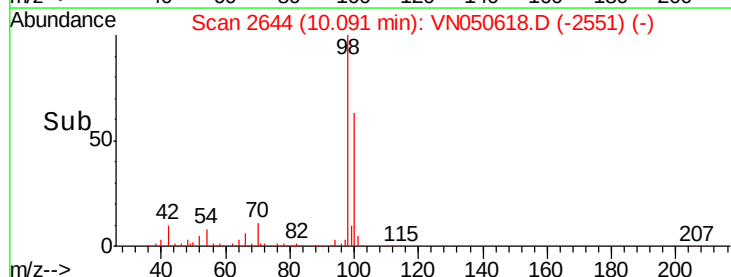
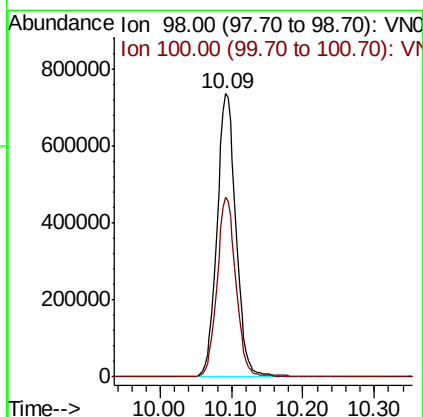
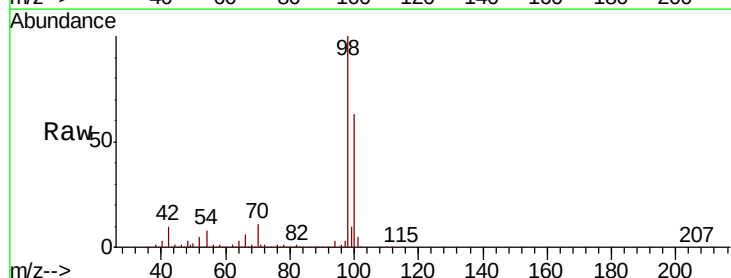
Acq: 14 Aug 2018 22:35

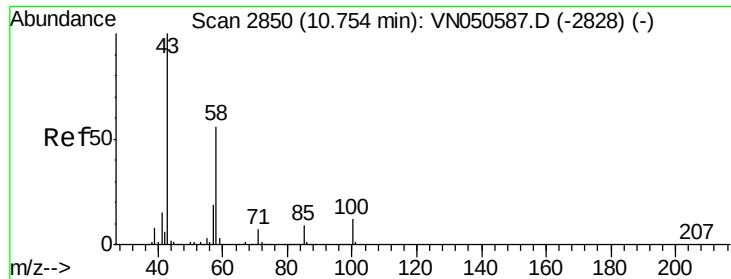
Tgt Ion: 98 Resp: 1355845

Ion Ratio Lower Upper

98 100

100 63.0 51.8 77.8





#59

2-Hexanone

Concen: 0.208 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

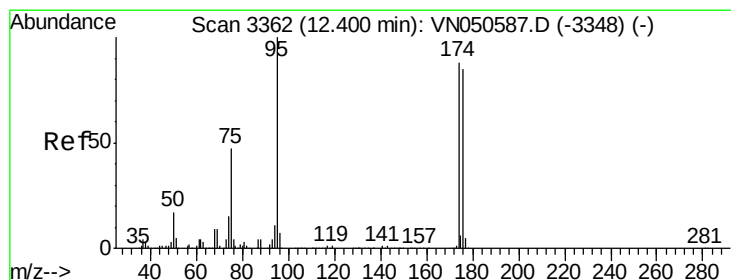
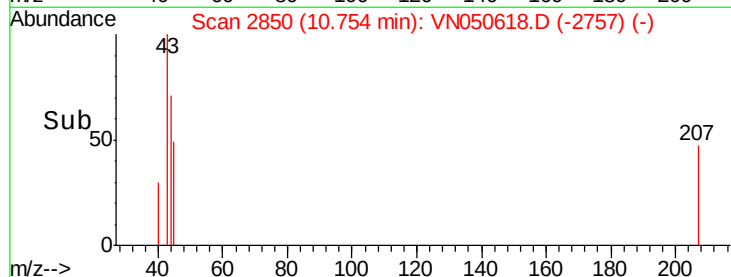
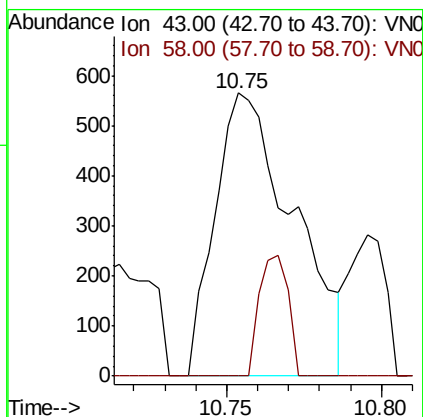
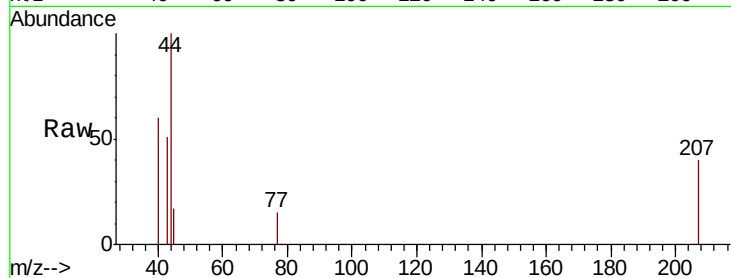
VN0814WBL02

Tgt Ion: 43 Resp: 1000

Ion Ratio Lower Upper

43 100

58 15.6 28.0 84.0#



#62

4-Bromofluorobenzene

Concen: 36.235 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

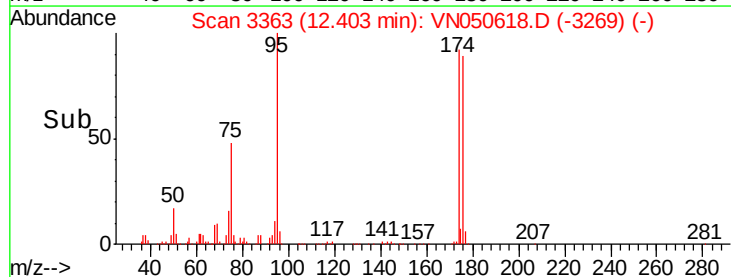
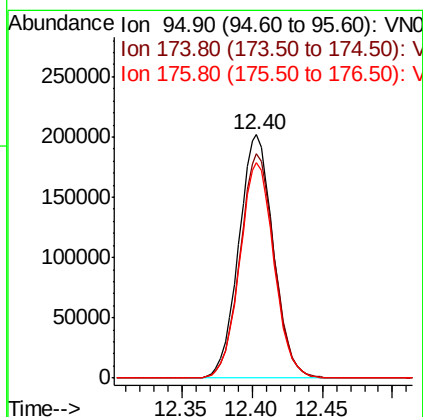
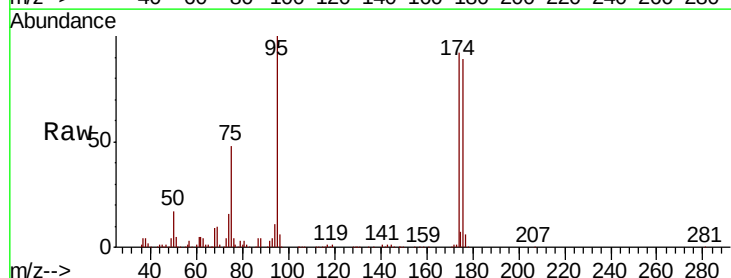
Tgt Ion: 95 Resp: 344937

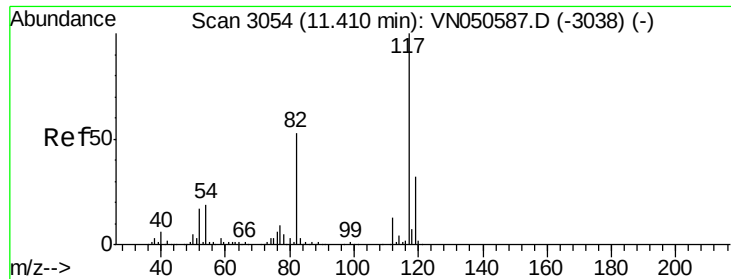
Ion Ratio Lower Upper

95 100

174 92.1 0.0 177.8

176 88.1 0.0 175.0

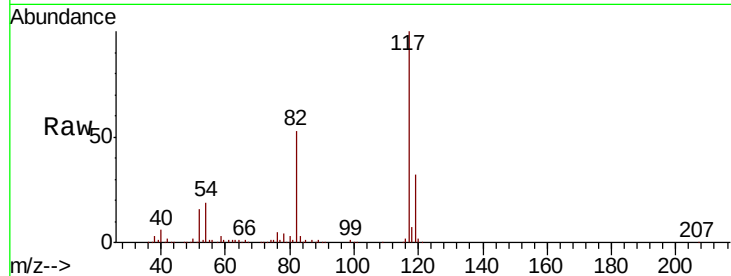




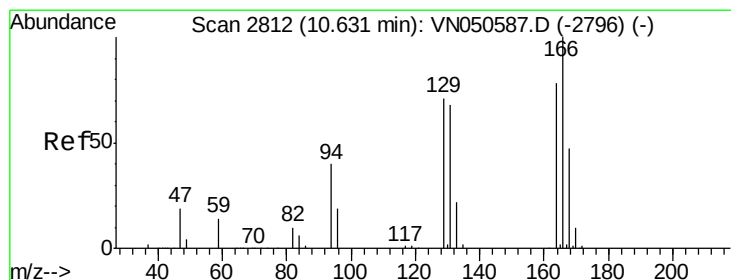
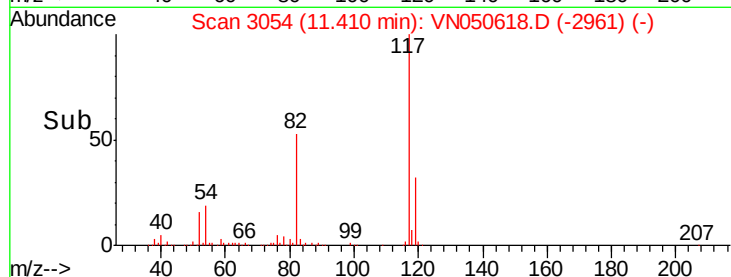
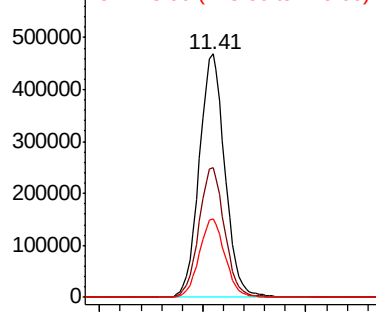
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050618.D
Acq: 14 Aug 2018 22:35

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL02

Tgt Ion:117 Resp: 811798
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 32.1 25.8 38.8

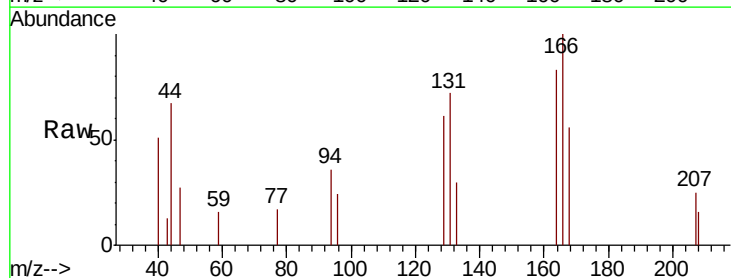


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

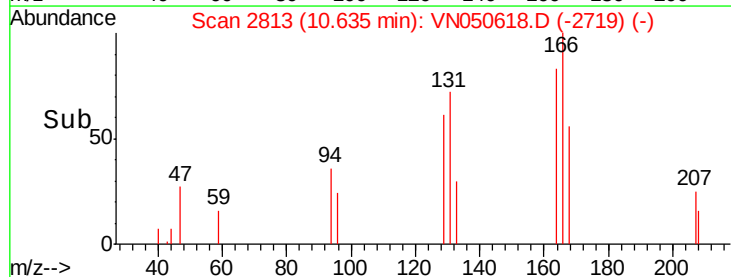
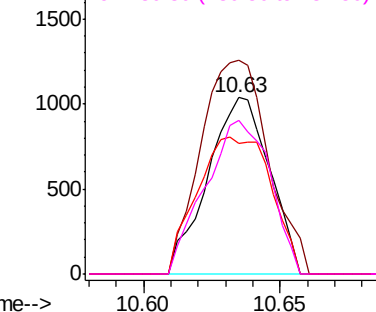


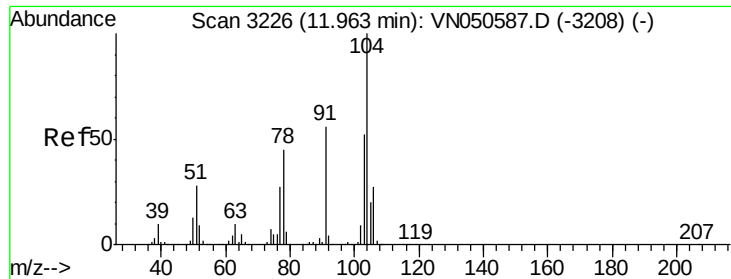
#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050618.D
Acq: 14 Aug 2018 22:35

Tgt Ion:164 Resp: 1630
Ion Ratio Lower Upper
164 100
166 121.1 102.1 153.1
129 73.8 72.7 109.1
131 86.8 69.9 104.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#70

Styrene

Concen: 0.953 ug/l

RT: 11.98 min Scan# 3230

Delta R.T. 0.01 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

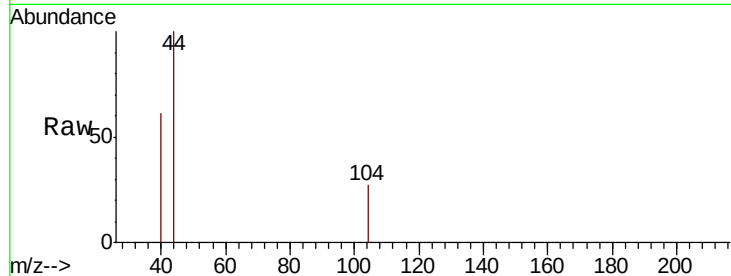
Tgt Ion:104 Resp: 266

Ion Ratio Lower Upper

104 100

78 11.7 39.1 58.7#

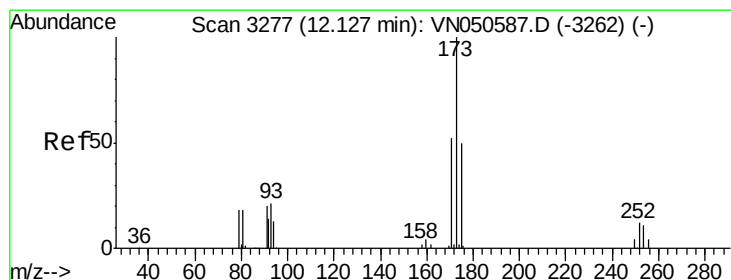
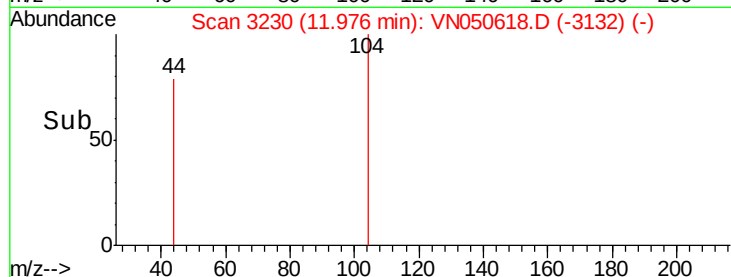
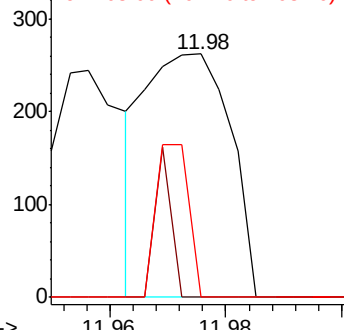
103 23.7 44.9 67.3#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.532 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

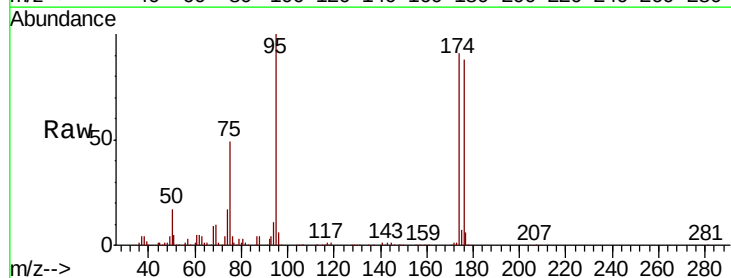
Tgt Ion:173 Resp: 2671

Ion Ratio Lower Upper

173 100

175 732.0 24.4 73.2#

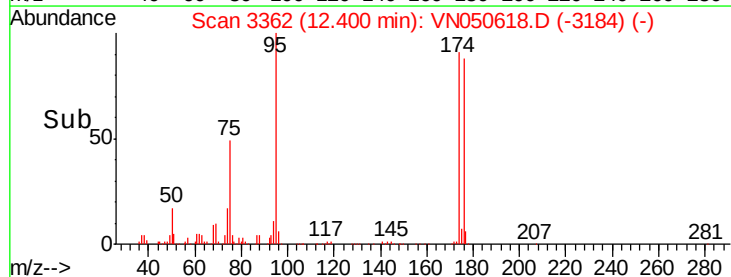
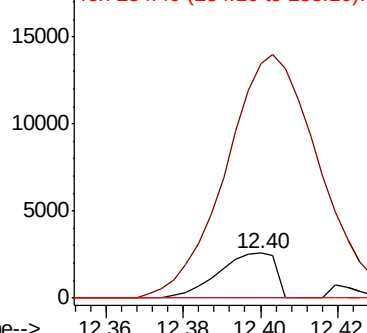
254 0.0 0.0 0.0

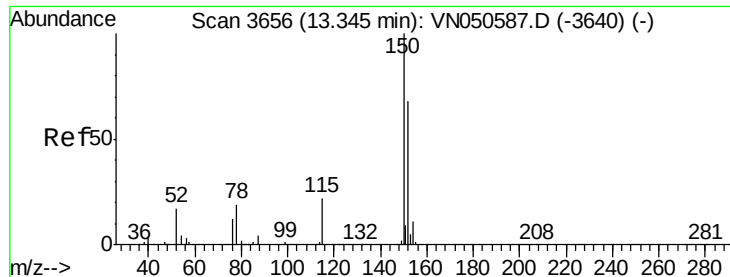


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

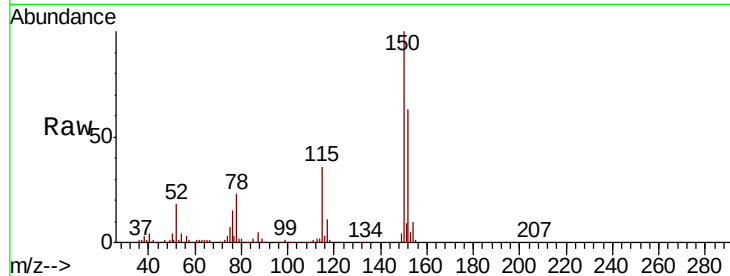
Tgt Ion:152 Resp: 270849

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.2

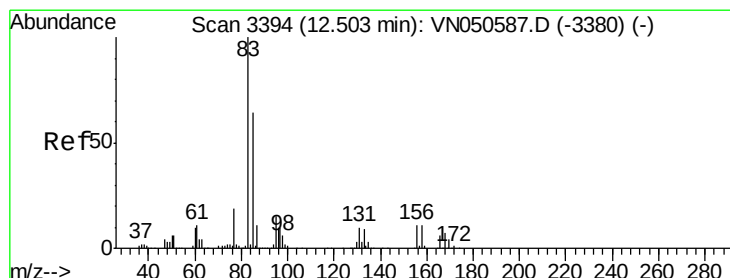
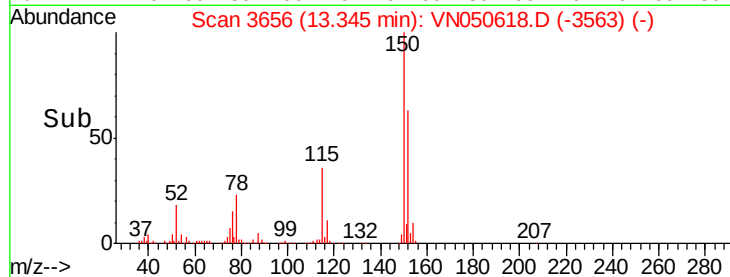
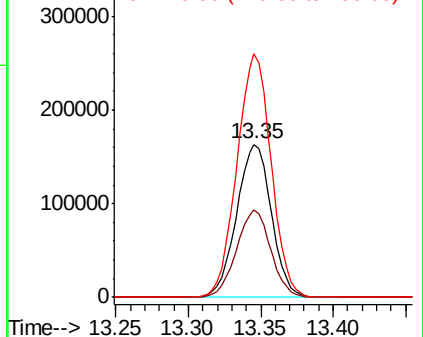
150 157.3 0.0 347.8



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: 12.40 min Scan# 3362

Delta R.T. -0.10 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

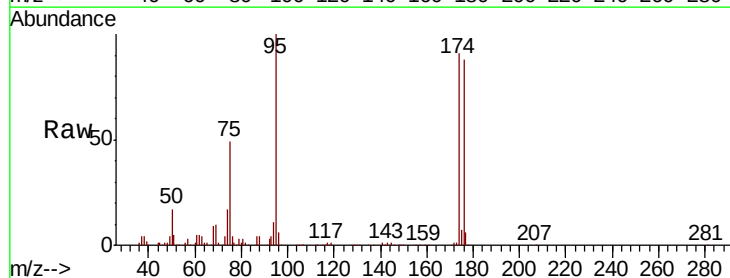
Tgt Ion: 83 Resp: 305

Ion Ratio Lower Upper

83 100

131 123.0 5.3 15.9#

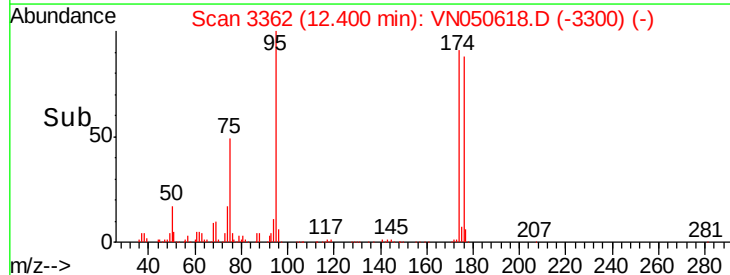
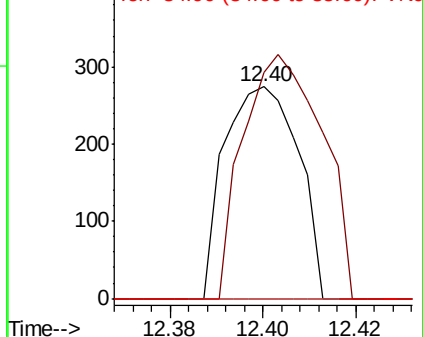
85 0.0 32.1 96.5#

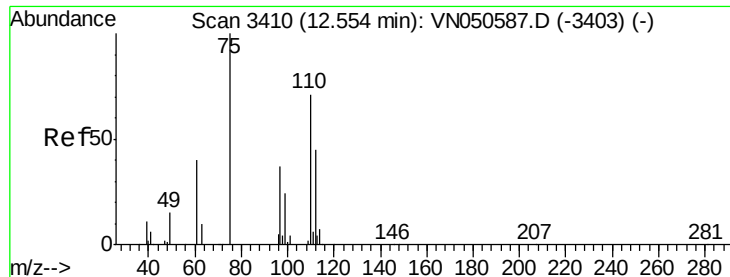


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.397 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampled :

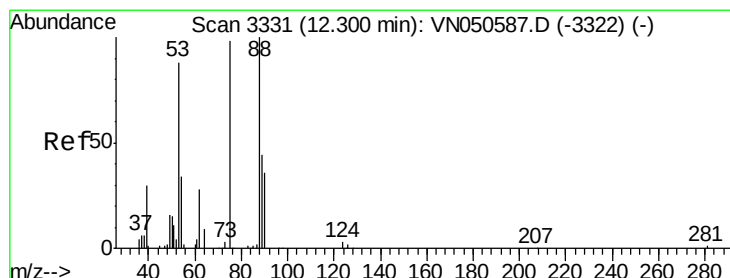
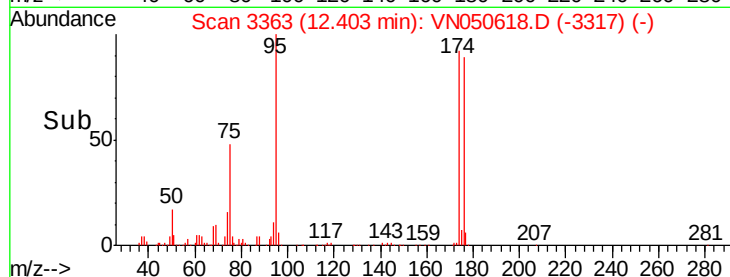
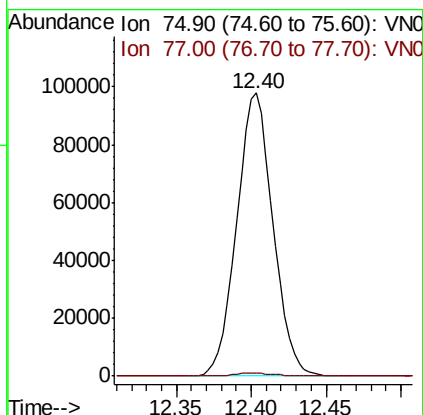
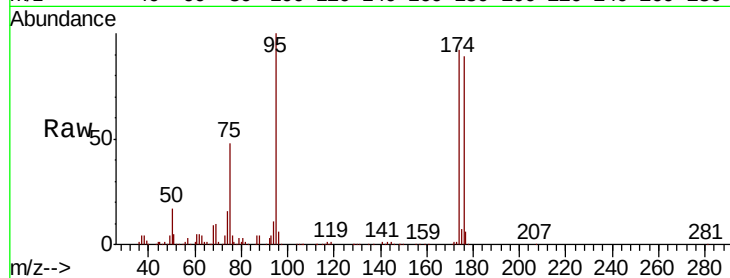
VN0814WBL02

Tgt Ion: 75 Resp: 164781

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 135.257 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

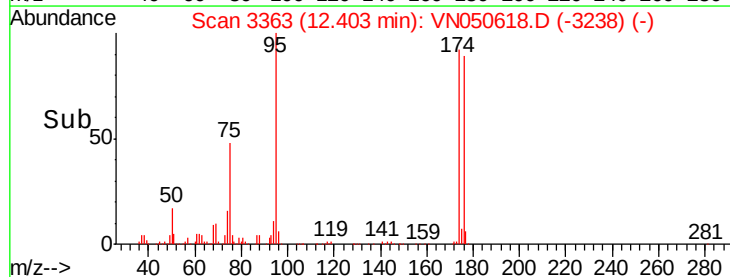
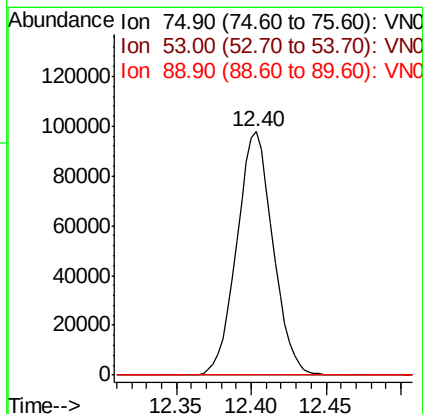
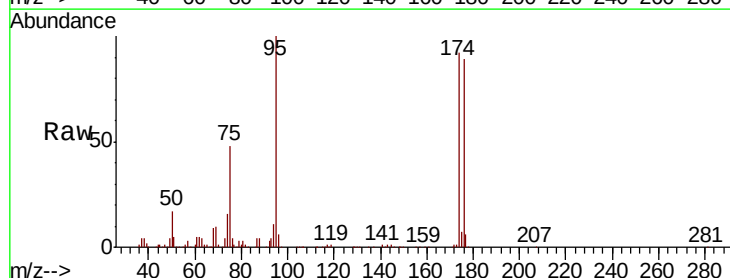
Tgt Ion: 75 Resp: 164781

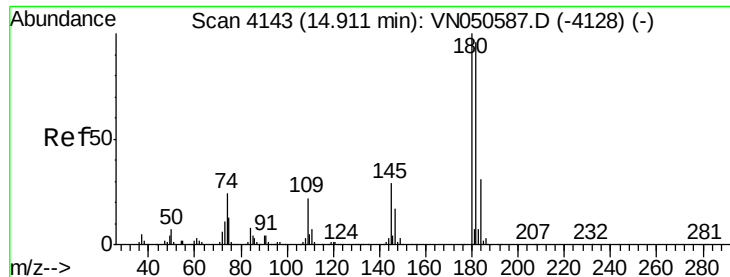
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#

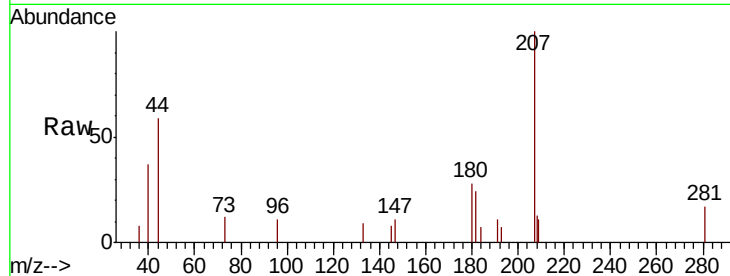




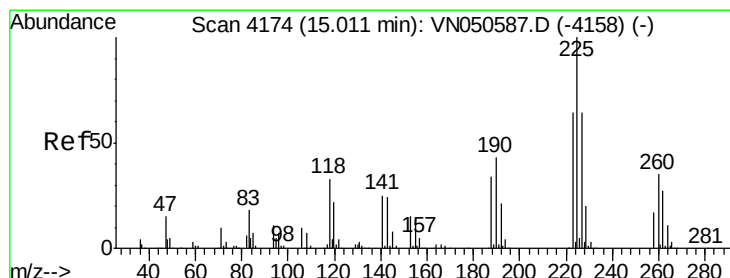
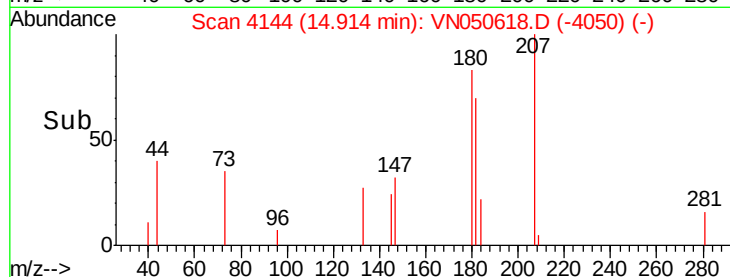
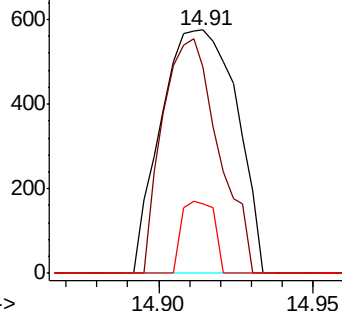
#93
 1,2,4-Trichlorobenzene
 Concen: 2.863 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL02

Tgt Ion:180 Resp: 976
 Ion Ratio Lower Upper
 180 100
 182 71.4 47.9 143.7
 145 12.8 14.4 43.4#

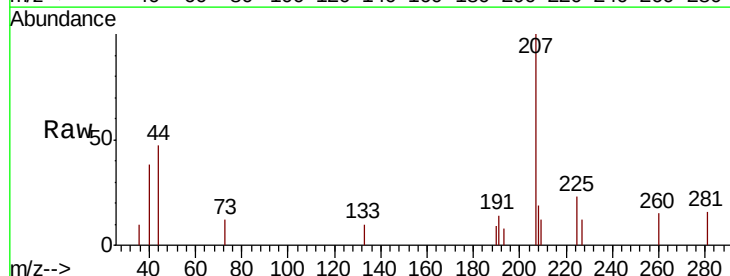


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

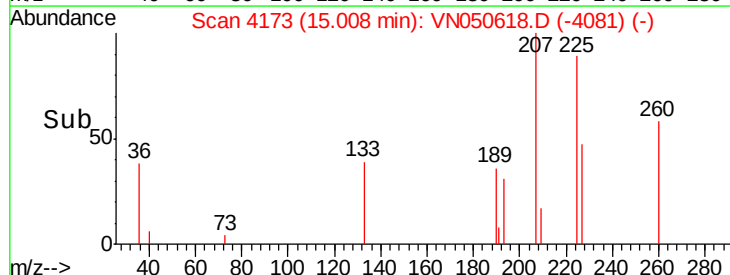
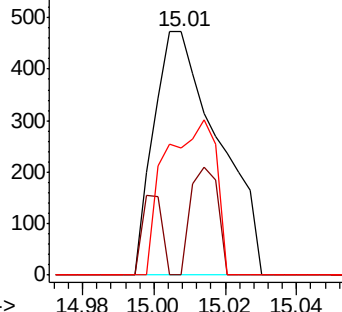


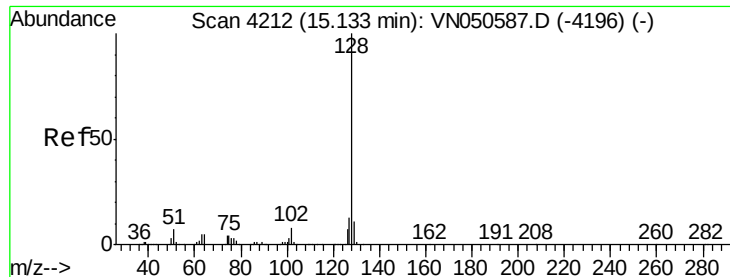
#94
 Hexachlorobutadiene
 Concen: 0.202 ug/l
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.00 min
 Lab File: VN050618.D
 Acq: 14 Aug 2018 22:35

Tgt Ion:225 Resp: 592
 Ion Ratio Lower Upper
 225 100
 223 18.6 32.1 96.3#
 227 50.0 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.056 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL02

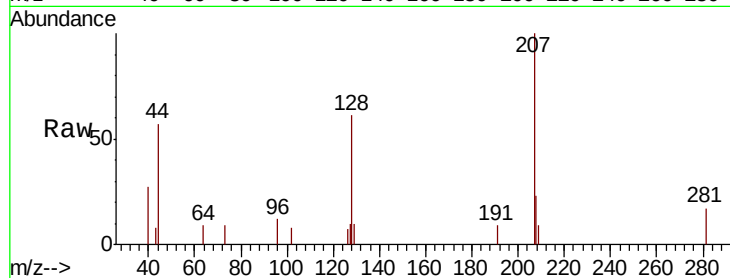
Tgt Ion:128 Resp: 2198

Ion Ratio Lower Upper

128 100

127 7.7 10.3 15.5#

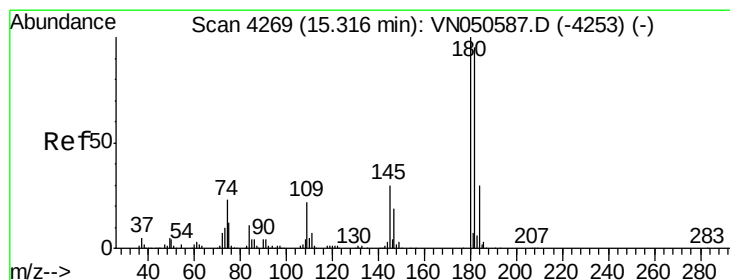
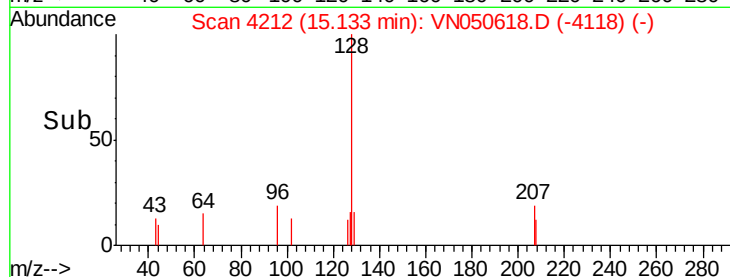
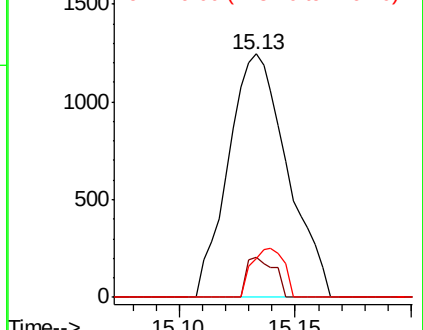
129 11.0 8.5 12.7



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: 2.148 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050618.D

Acq: 14 Aug 2018 22:35

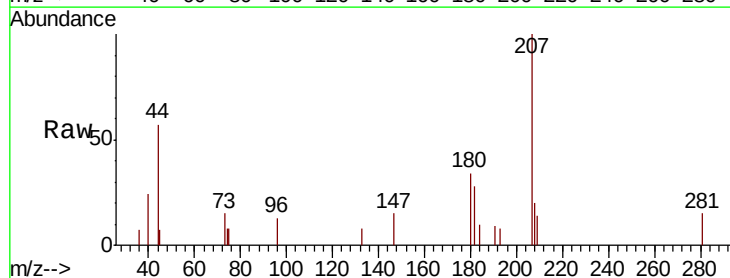
Tgt Ion:180 Resp: 998

Ion Ratio Lower Upper

180 100

182 116.2 47.3 141.8

145 12.4 14.6 44.0#



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

