

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050675.D
 Acq On : 16 Aug 2018 00:43
 Operator : MD\SY
 Sample : VN0815WBL03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL03

Quant Time: Aug 16 04:50:08 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	599967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	953065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	821830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	297395	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	411277	54.38	ug/l	0.00
Spiked Amount			Recovery	=	108.76%	
35) Dibromofluoromethane	7.59	113	386560	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.09	98	1334746	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
62) 4-Bromofluorobenzene	12.40	95	361669	38.23	ug/l	0.00
Spiked Amount			Recovery	=	76.46%	

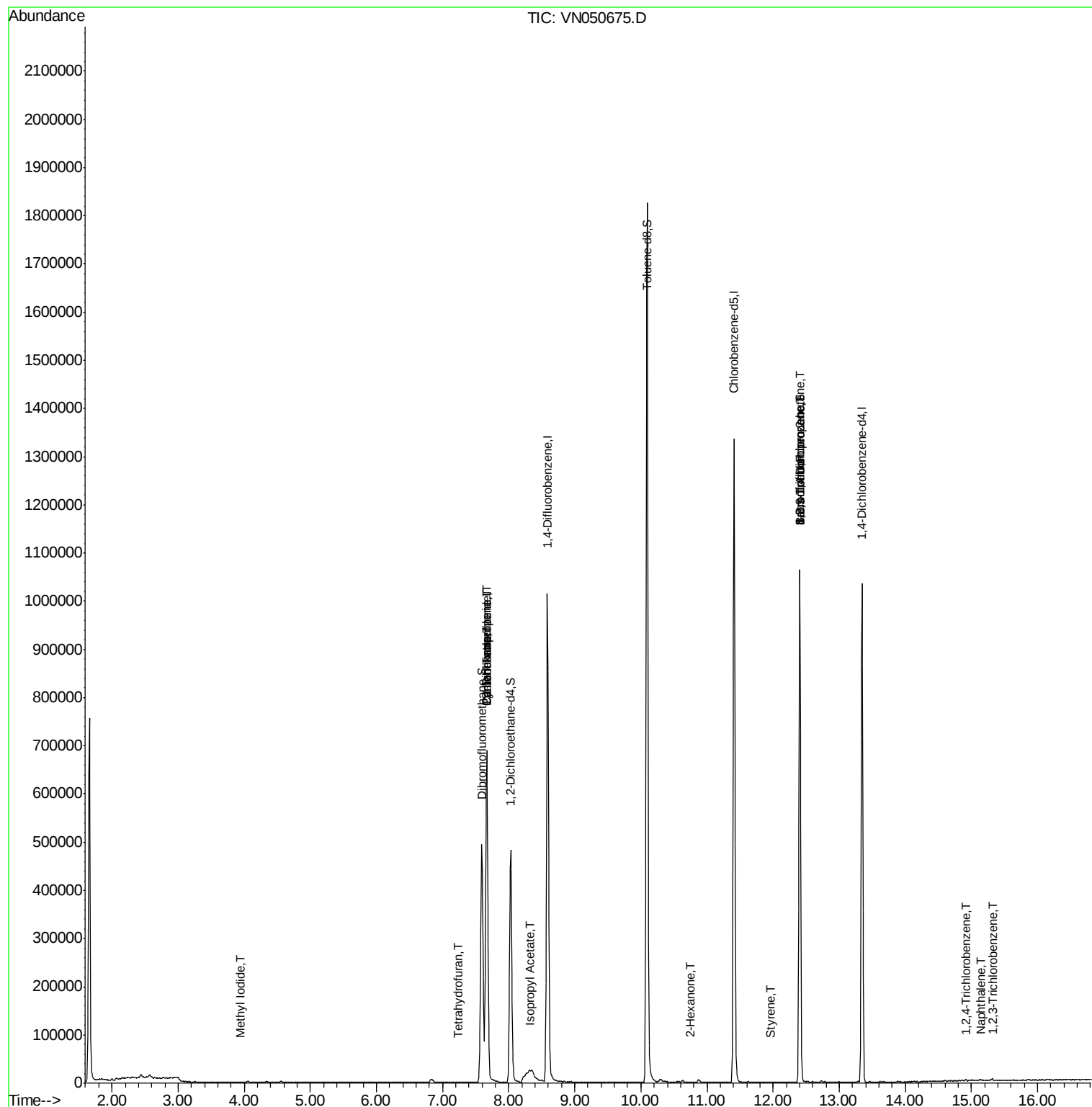
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2440	Below Cal		100
5) Bromomethane	2.57	94	3637	Below Cal		94
6) Chloroethane	2.71	64	97	Below Cal	#	43
10) Methyl Iodide	3.96	142	670	7.06	ug/l #	73
16) Acetone	3.83	43	1766	Below Cal		92
18) Methyl Acetate	4.34	43	3571	Below Cal	#	72
20) Methylene Chloride	4.55	84	1712	Below Cal	#	72
29) Tetrahydrofuran	7.23	42	558	0.34	ug/l #	51
31) Cyclohexane	7.67	56	10584	0.58	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40801	3.85	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54603	4.96	ug/l #	17
43) Isopropyl Acetate	8.32	43	43501	3.98	ug/l #	60
59) 2-Hexanone	10.76	43	1828	0.38	ug/l #	46
70) Styrene	11.96	104	289	0.95	ug/l #	75
71) Bromoform	12.40	173	3413	0.67	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	235	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	172062	35.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	172062	128.63	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	1260	2.90	ug/l #	88
95) Naphthalene	15.14	128	2956	4.10	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.32	180	1120	2.15	ug/l	87

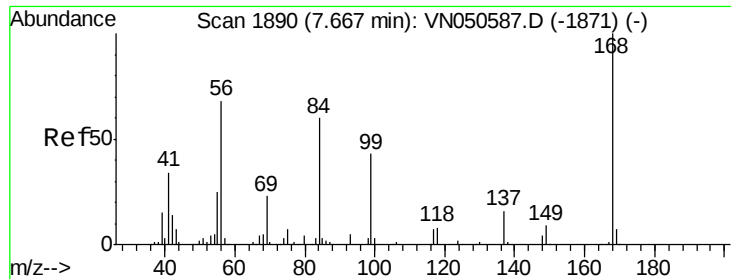
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampled :

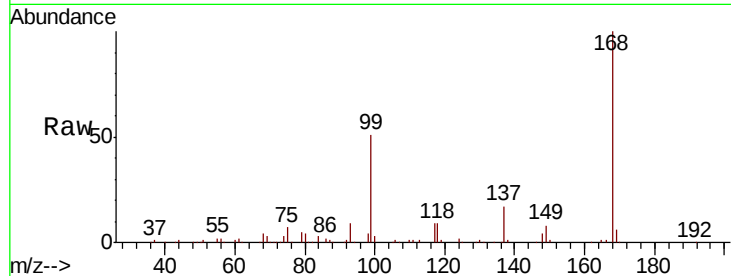
VN0815WBL03

Tot Ion:168 Resp: 599967

Ion Ratio Lower Upper

168 100

99 50.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

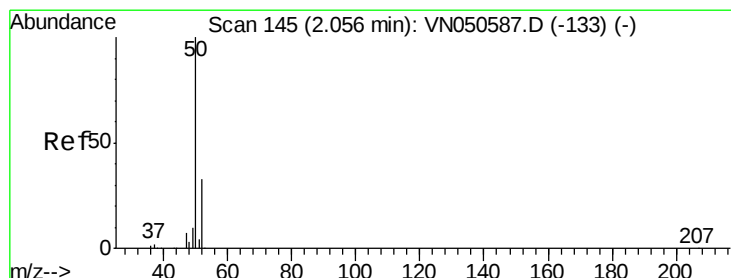
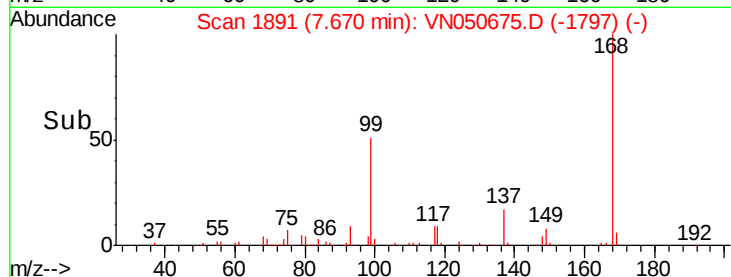
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050675.D

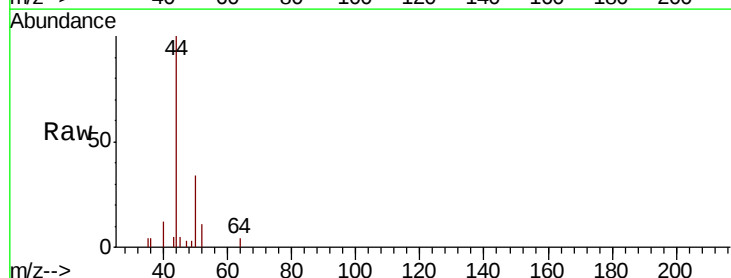
Acq: 16 Aug 2018 00:43

Tgt Ion: 50 Resp: 2440

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2000

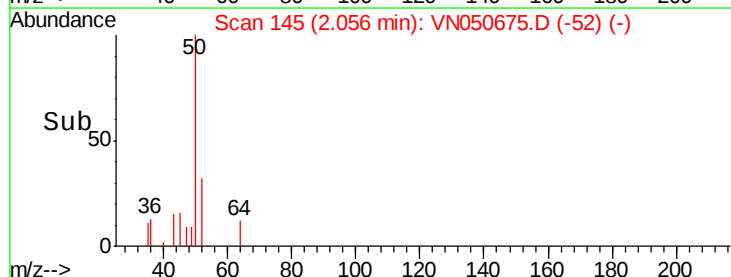
1500

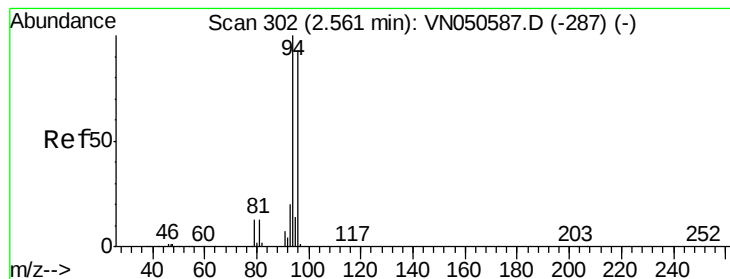
1000

500

0

Time--> 2.05 2.10





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

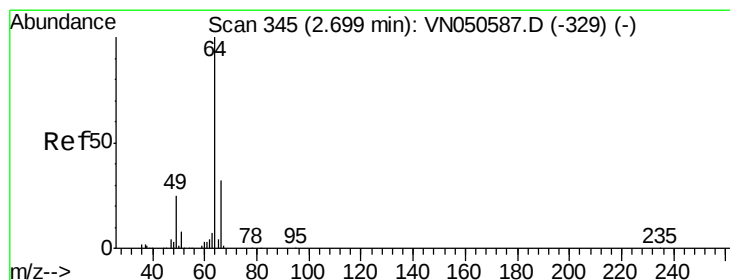
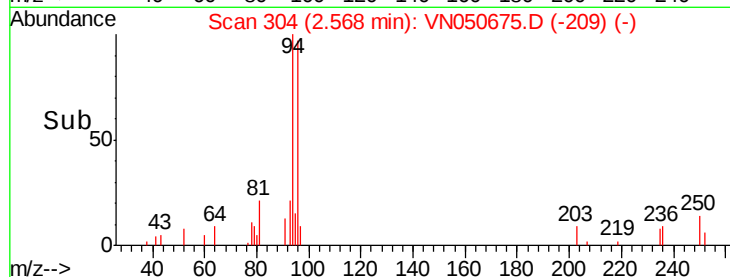
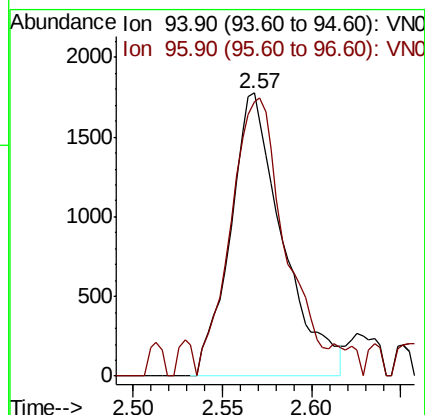
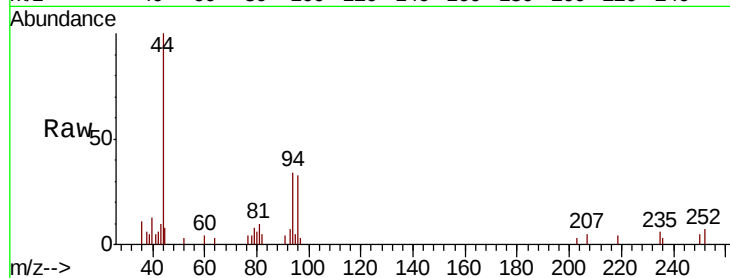
VN0815WBL03

Tot Ion: 94 Resp: 3637

Ion Ratio Lower Upper

94 100

96 86.9 74.0 111.0



#6

Chloroethane

Concen: Below Cal

RT: 2.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VN050675.D

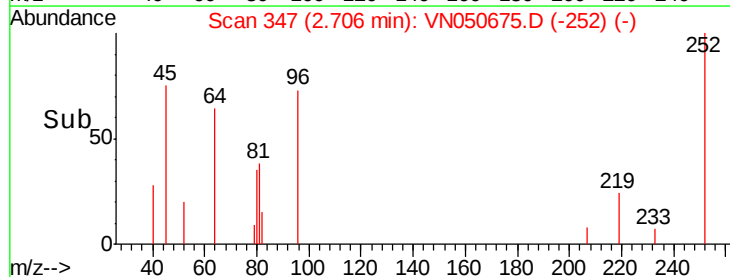
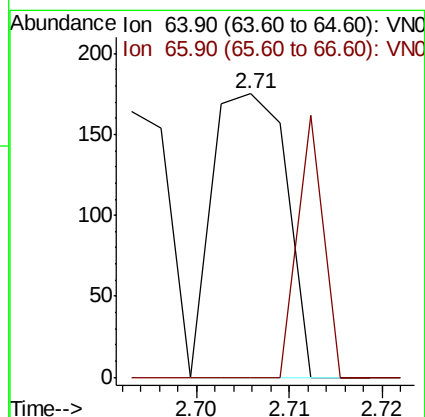
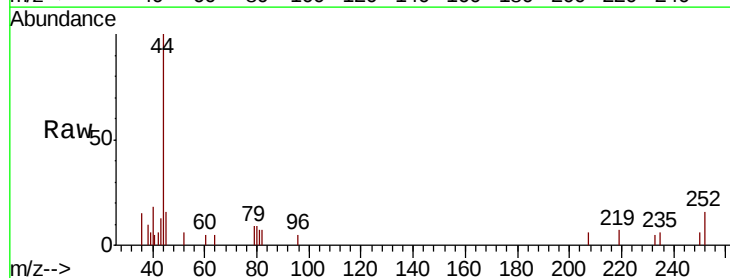
Acq: 16 Aug 2018 00:43

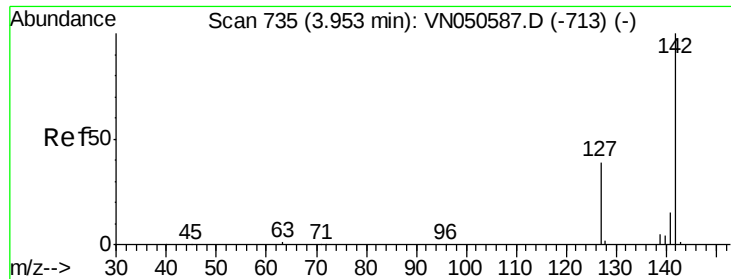
Tgt Ion: 64 Resp: 97

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#

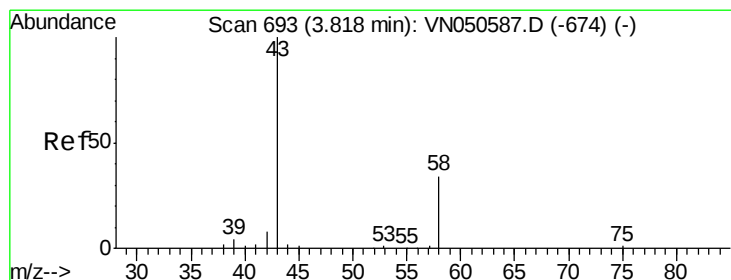
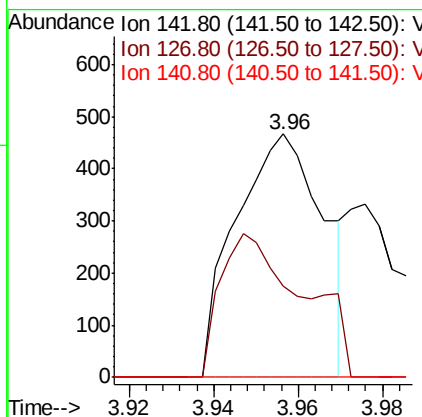
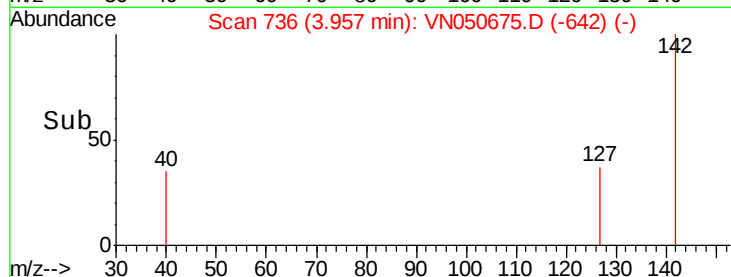
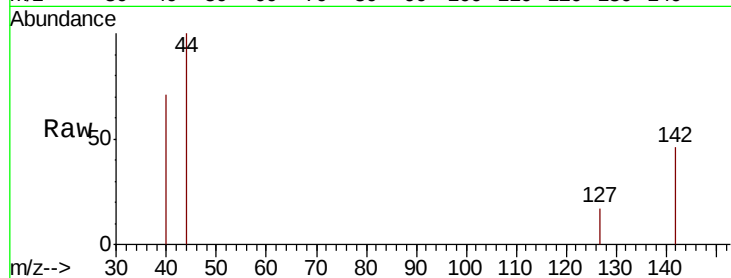




#10
Methvl Iodide
Concen: 7.06 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.00 min
Lab File: VN050675.D
Acq: 16 Aug 2018 00:43

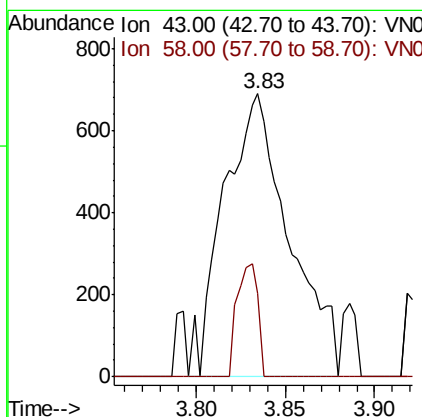
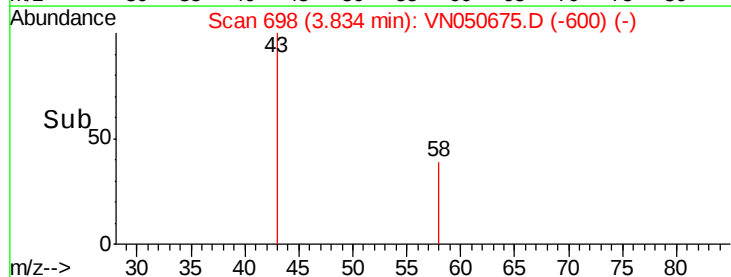
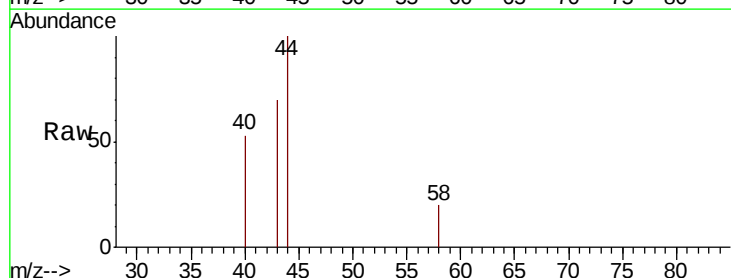
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL03

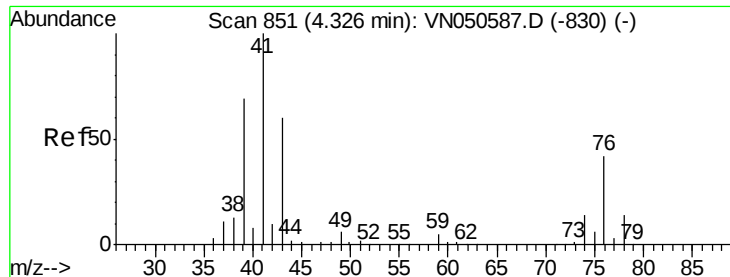
Tot Ion:142 Resp: 670
Ion Ratio Lower Upper
142 100
127 55.7 32.6 49.0#
141 0.0 11.5 17.3#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 698
Delta R.T. 0.02 min
Lab File: VN050675.D
Acq: 16 Aug 2018 00:43

Tgt Ion: 43 Resp: 1766
Ion Ratio Lower Upper
43 100
58 29.4 27.1 40.7

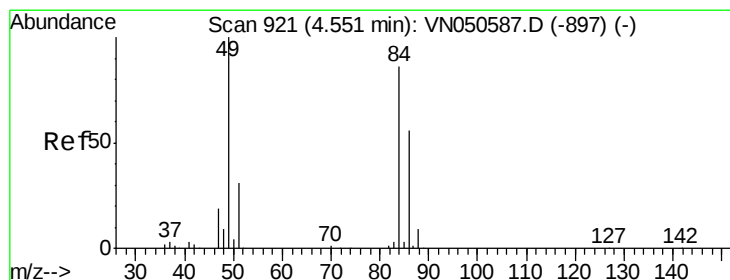
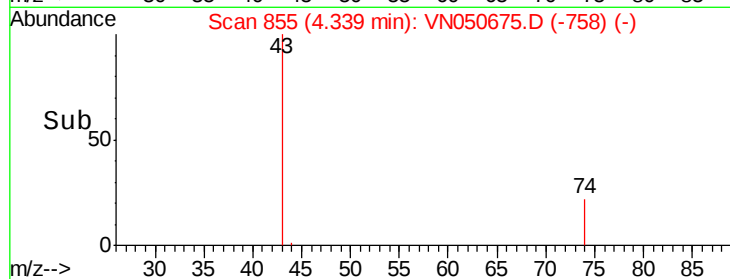
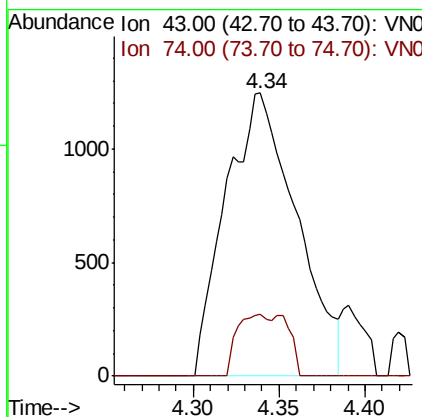
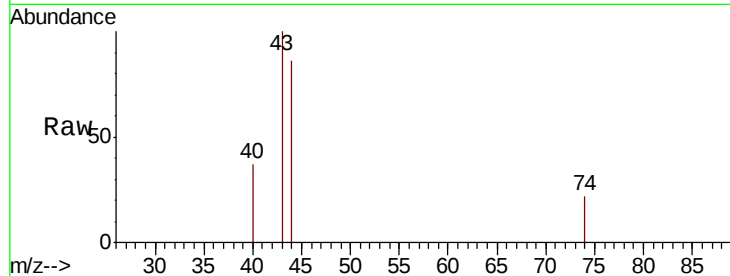




#18
Methvl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050675.D
Acq: 16 Aug 2018 00:43

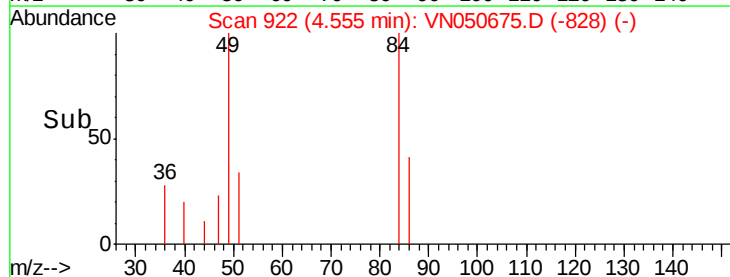
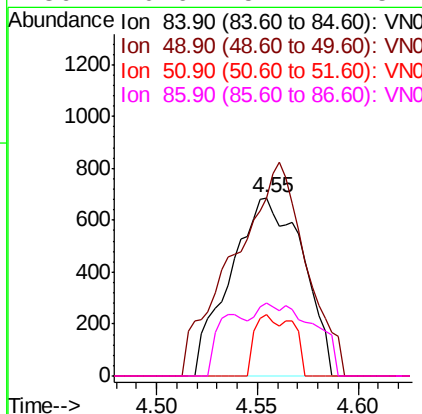
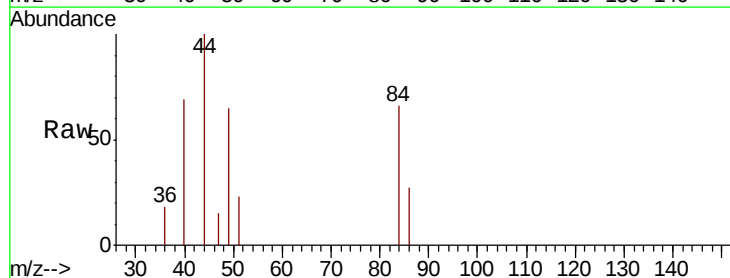
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBL03

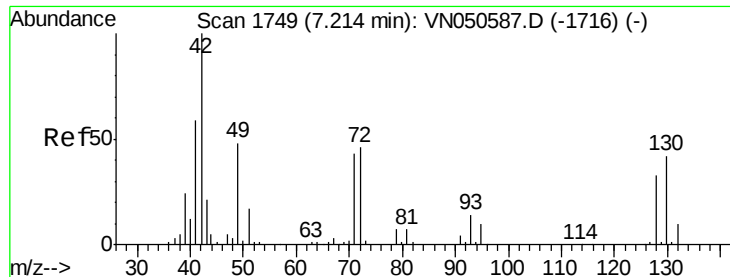
Tot Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
74 10.5 19.7 29.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050675.D
Acq: 16 Aug 2018 00:43

Tgt Ion: 84 Resp: 1712
Ion Ratio Lower Upper
84 100
49 77.7 92.6 138.8#
51 34.4 28.6 43.0
86 40.6 52.2 78.2#





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 7.23 min Scan# 1755

Delta R.T. 0.02 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL03

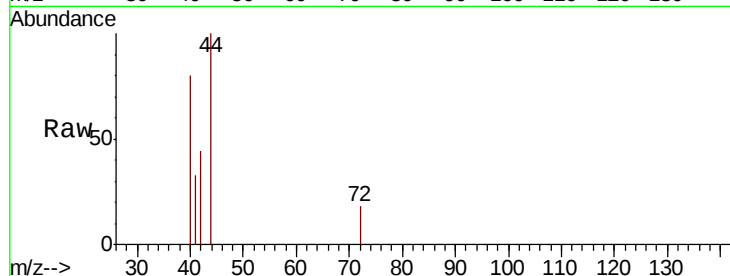
Tot Ion: 42 Resp: 558

Ion Ratio Lower Upper

42 100

72 5.4 35.8 53.6#

71 18.8 33.4 50.0#

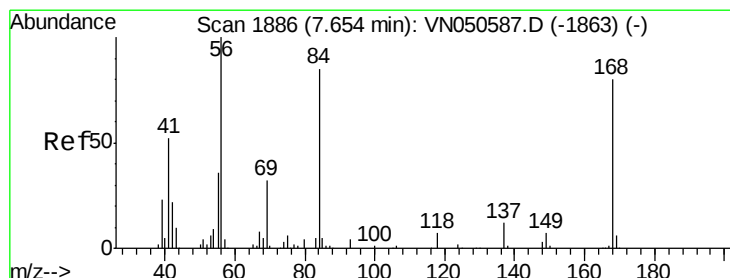
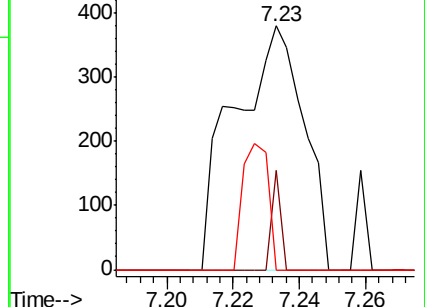
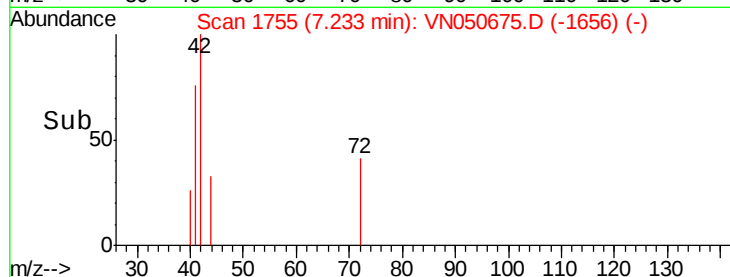


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time-->



#31

Cyclohexane

Concen: 0.58 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

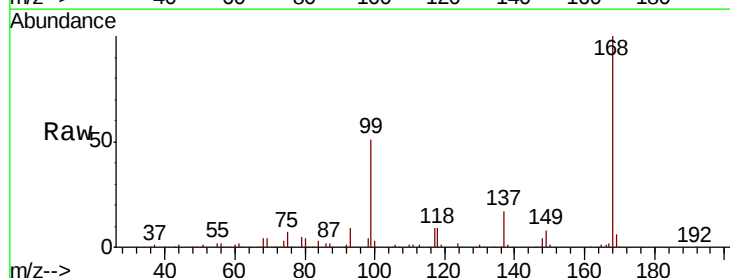
Tgt Ion: 56 Resp: 10584

Ion Ratio Lower Upper

56 100

69 198.1 25.8 38.6#

84 154.1 67.8 101.6#

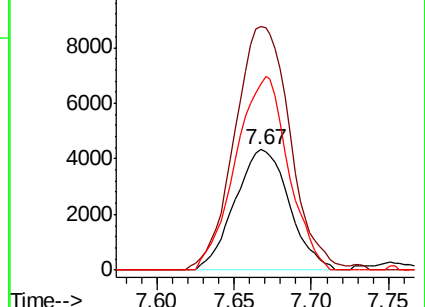
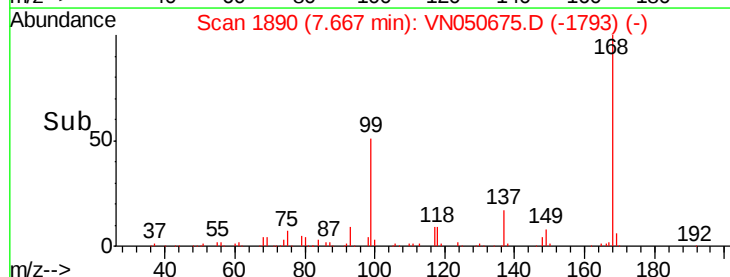


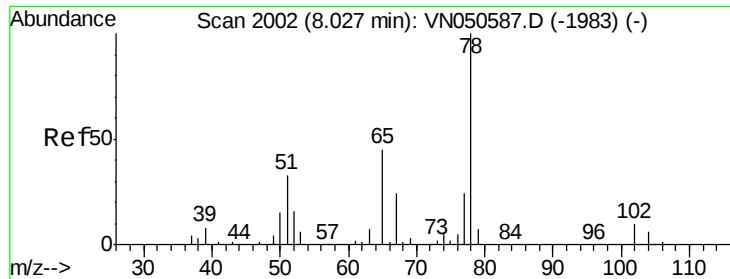
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Time-->

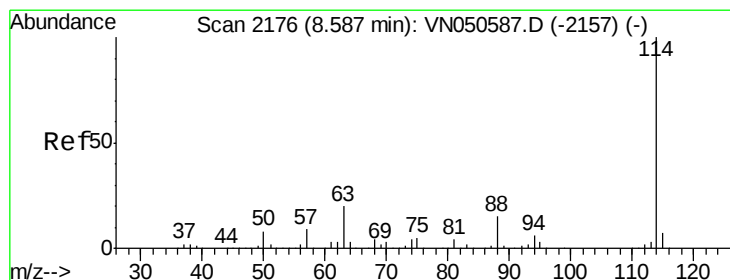
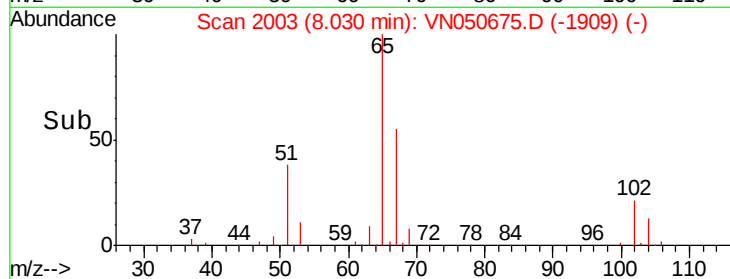
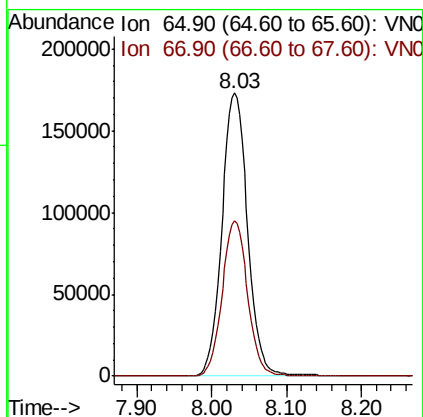
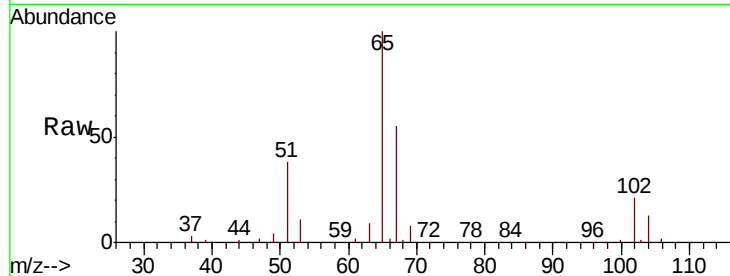




#33
 1,2-Dichloroethane-d4
 Concen: 54.38 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050675.D
 Acq: 16 Aug 2018 00:43

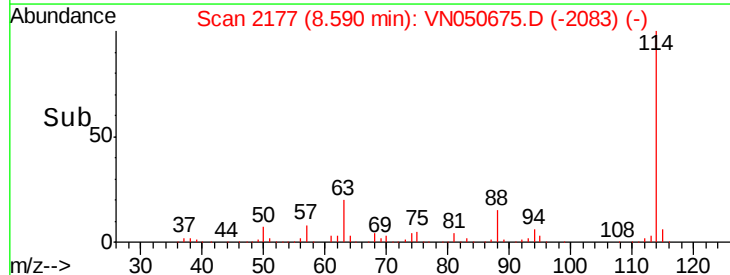
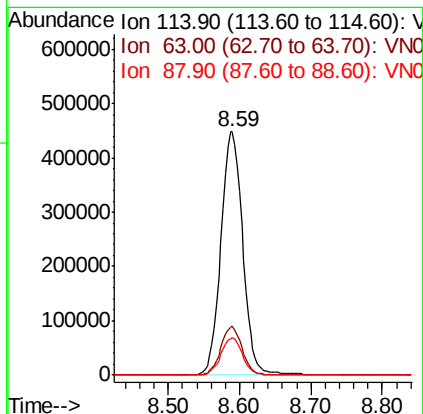
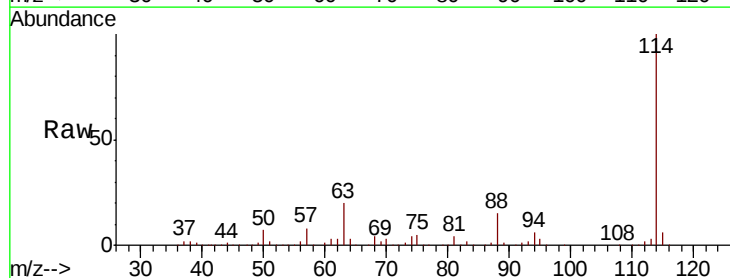
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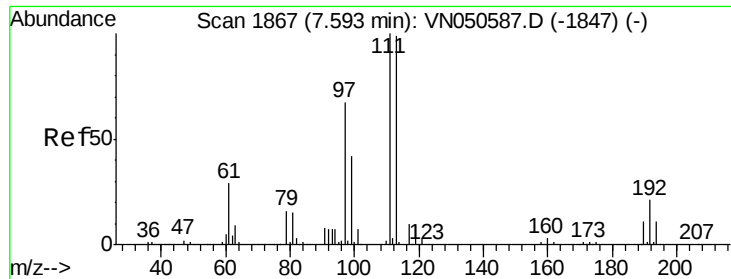
Tot Ion: 65 Resp: 411277
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050675.D
 Acq: 16 Aug 2018 00:43

Tgt Ion: 114 Resp: 953065
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.4 0.0 30.8

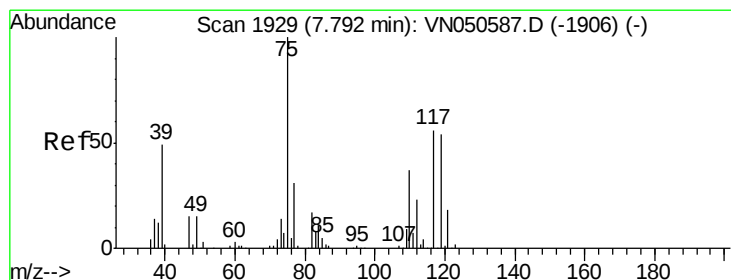
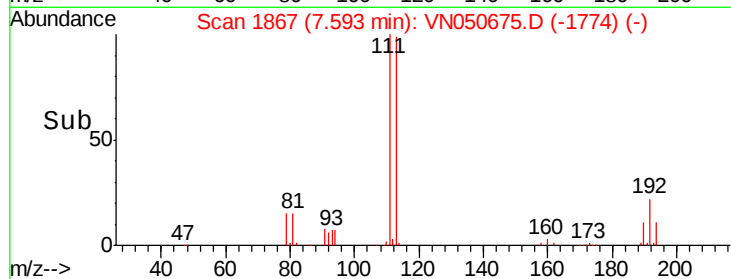
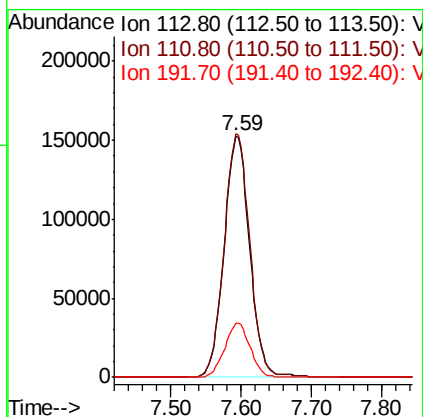
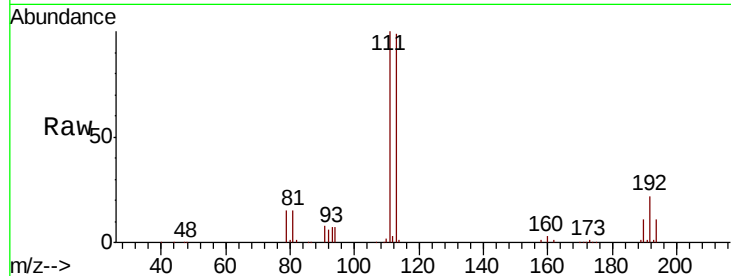




#35
Dibromofluoromethane
Concen: 50.80 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050675.D
Acq: 16 Aug 2018 00:43

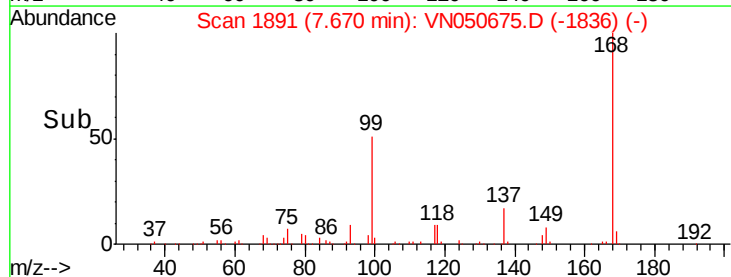
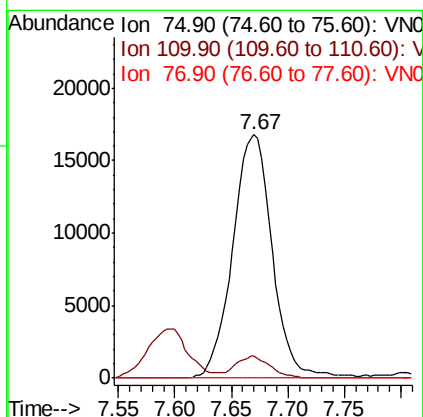
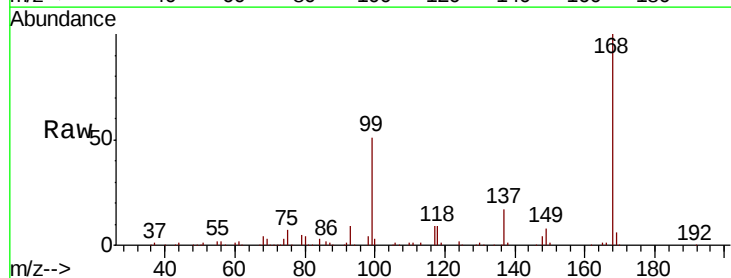
Instrument :
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VN0815WBL03

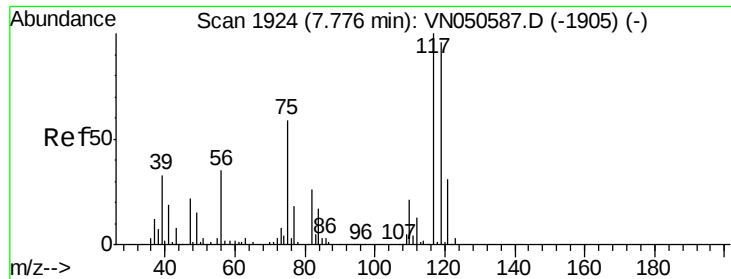
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.0	121.6
192	22.3	17.6	26.4



#36
1,1-Dichloropropene
Concen: 3.85 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.12 min
Lab File: VN050675.D
Acq: 16 Aug 2018 00:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	18.3	54.9#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 4.96 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL03

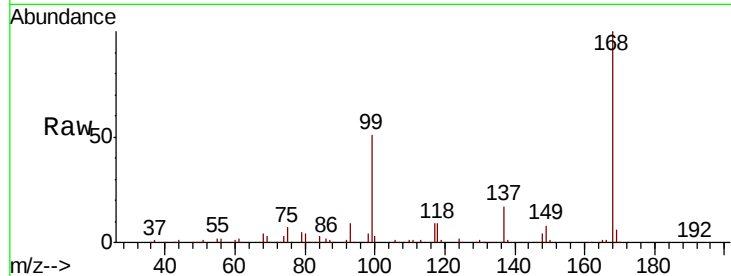
Tot Ion:117 Resp: 54603

Ion Ratio Lower Upper

117 100

119 6.0 76.6 115.0#

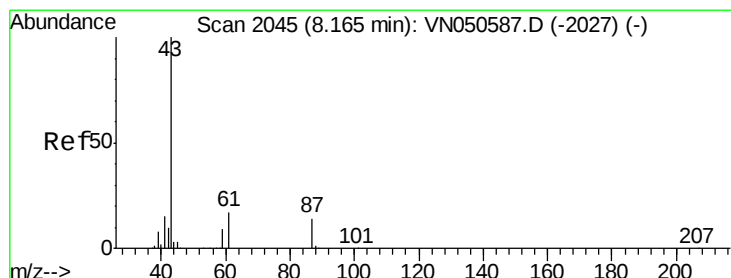
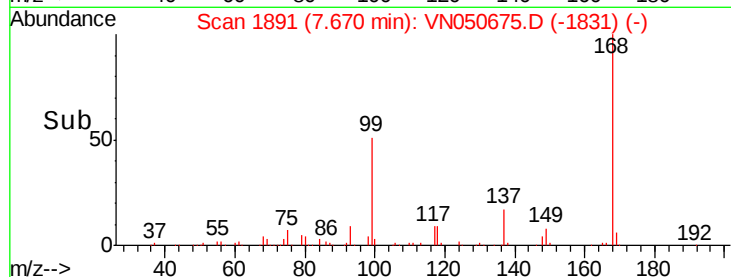
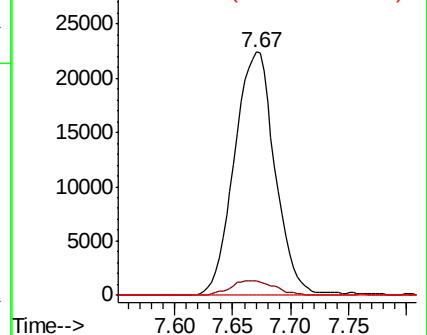
121 0.0 25.0 37.6#



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



#43

Isopropyl Acetate

Concen: 3.98 ug/l

RT: 8.32 min Scan# 2092

Delta R.T. 0.15 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

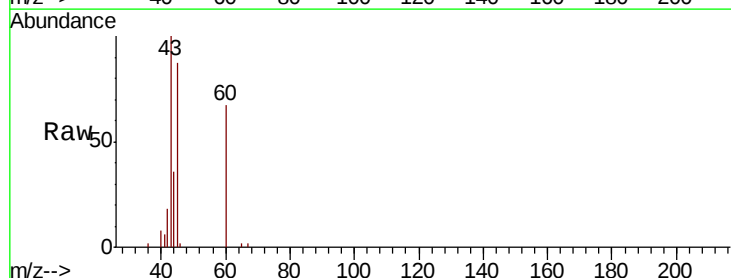
Tgt Ion: 43 Resp: 43501

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

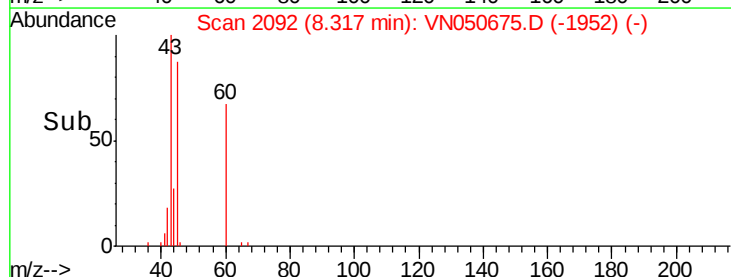
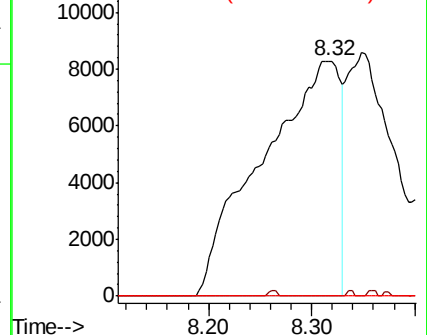
87 0.0 10.9 16.3#

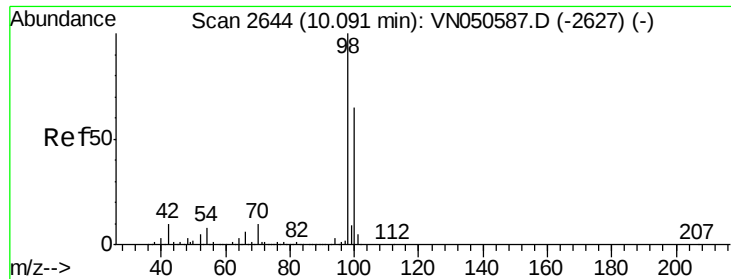


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 46.61 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

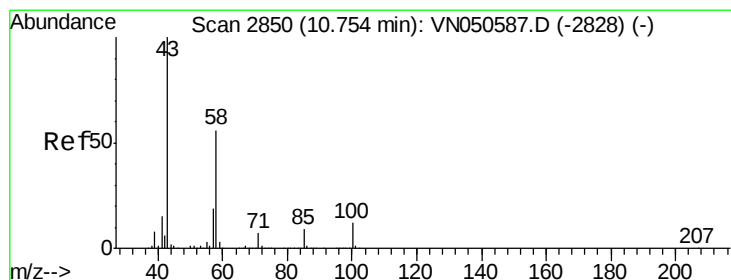
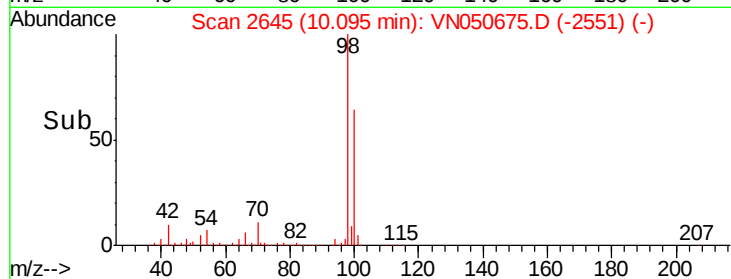
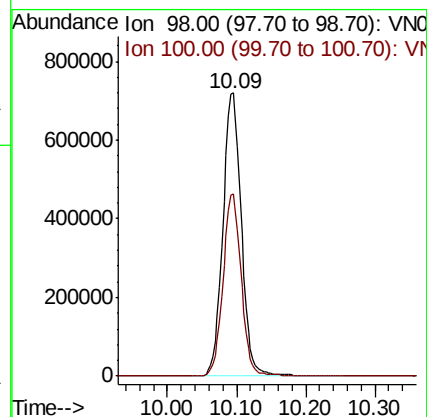
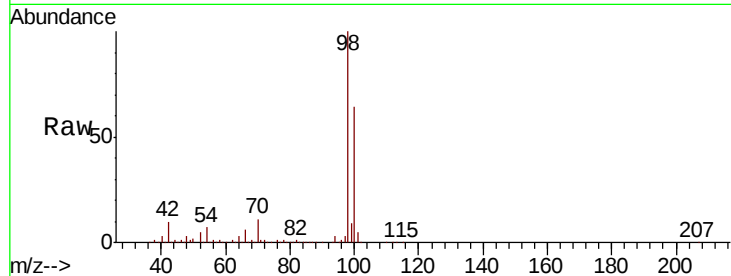
VN0815WBL03

Tot Ion: 98 Resp: 1334746

Ion Ratio Lower Upper

98 100

100 63.2 51.8 77.8



#59

2-Hexanone

Concen: 0.38 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN050675.D

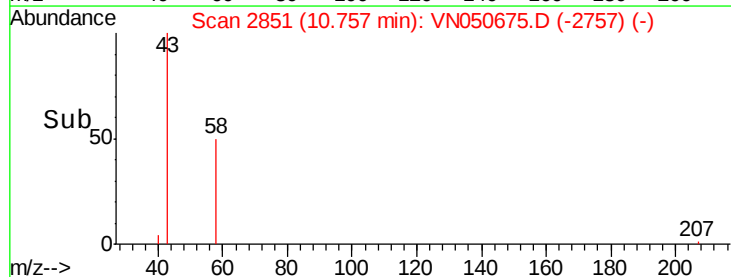
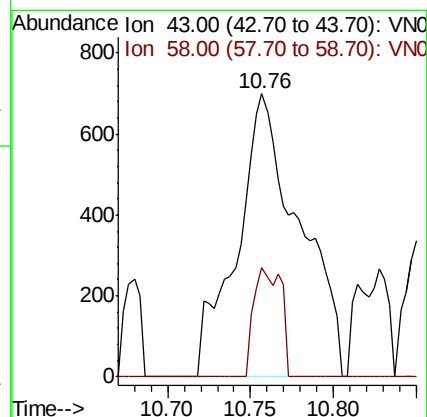
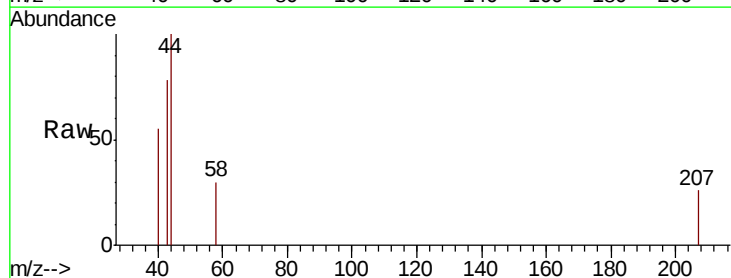
Acq: 16 Aug 2018 00:43

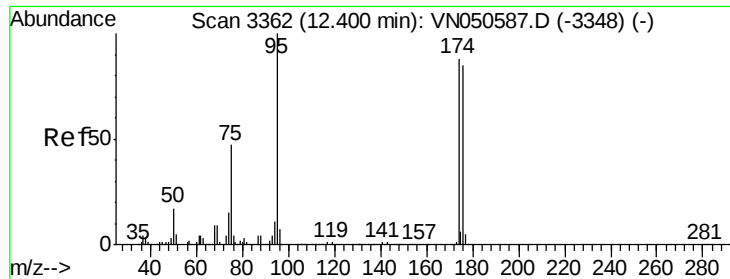
Tgt Ion: 43 Resp: 1828

Ion Ratio Lower Upper

43 100

58 16.8 28.0 84.0#





#62

4-Bromofluorobenzene

Concen: 38.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL03

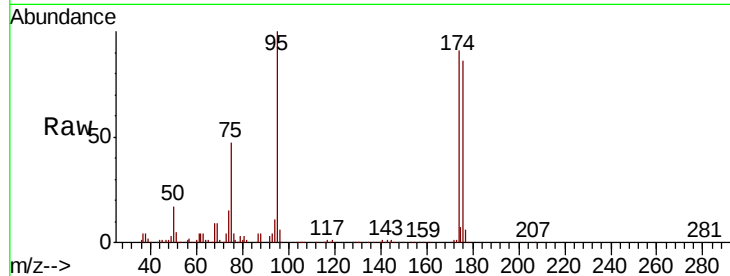
Tot Ion: 95 Resp: 361669

Ion Ratio Lower Upper

95 100

174 92.1 0.0 177.8

176 87.2 0.0 175.0



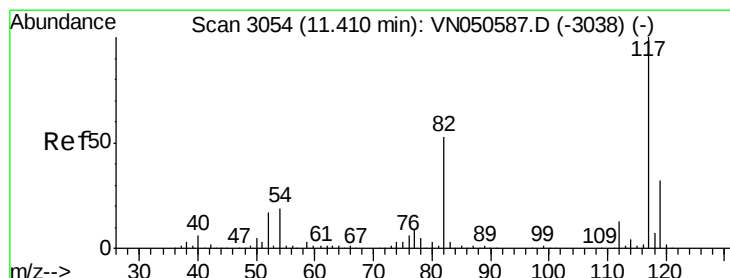
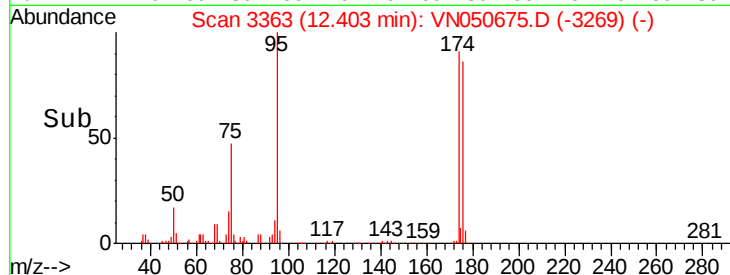
Abundance Ion 94.90 (94.60 to 95.60): VN050587.D (-3348) (-)

Ion 173.80 (173.50 to 174.50): VN050587.D (-3348) (-)

Ion 175.80 (175.50 to 176.50): VN050587.D (-3348) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

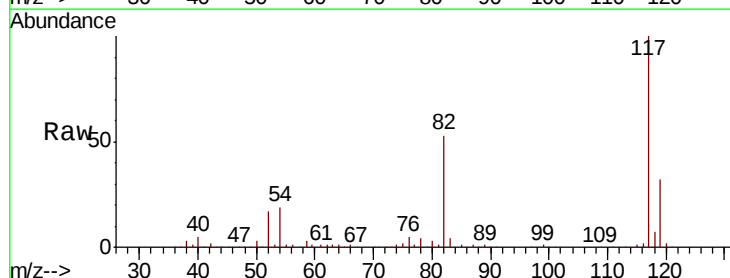
Tgt Ion: 117 Resp: 821830

Ion Ratio Lower Upper

117 100

82 53.3 42.4 63.6

119 32.1 25.8 38.8



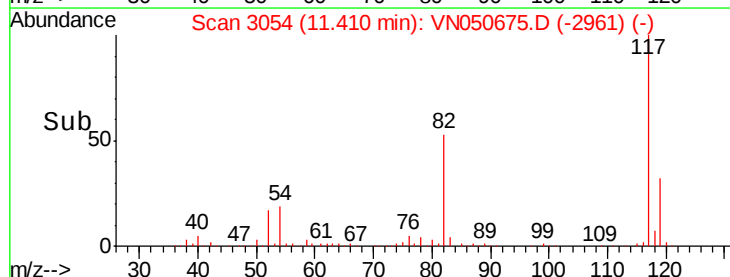
Abundance Ion 116.90 (116.60 to 117.60): VN050587.D (-3038) (-)

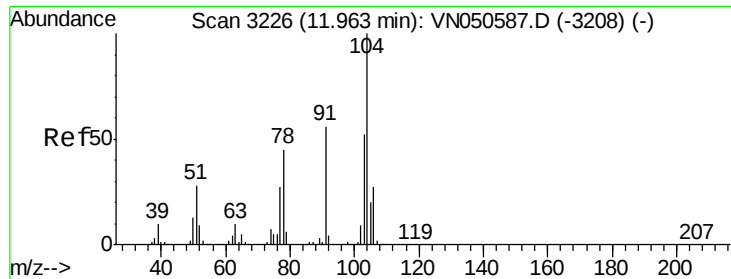
Ion 82.00 (81.70 to 82.70): VN050587.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN050587.D (-3038) (-)

11.41

Time-->





#70

Stvrene

Concen: 0.95 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL03

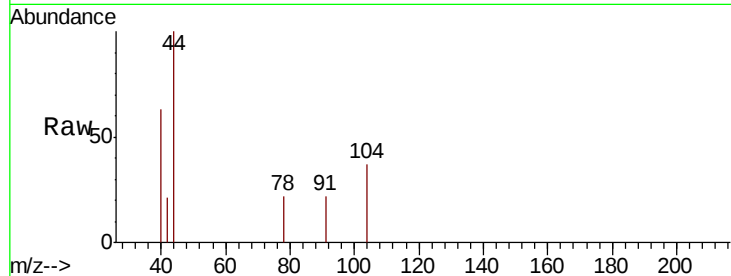
Tot Ion:104 Resp: 289

Ion Ratio Lower Upper

104 100

78 47.4 39.1 58.7

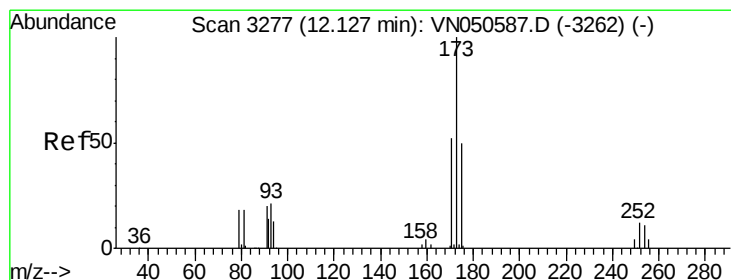
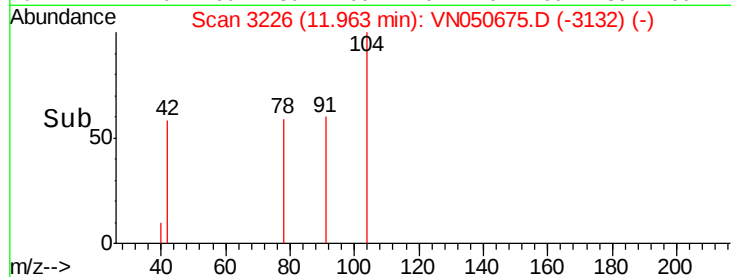
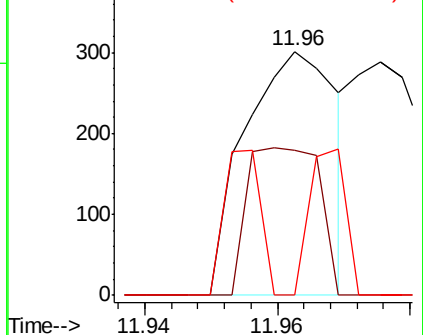
103 23.9 44.9 67.3#



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: 0.67 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

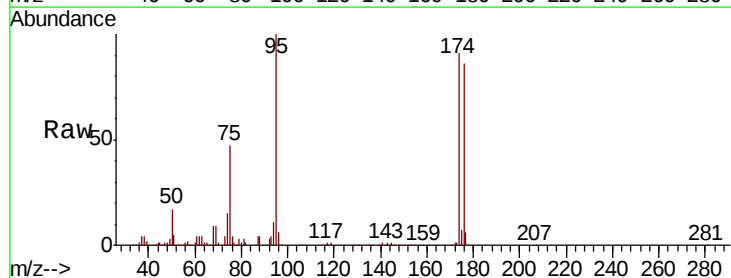
Tgt Ion:173 Resp: 3413

Ion Ratio Lower Upper

173 100

175 578.9 24.4 73.2#

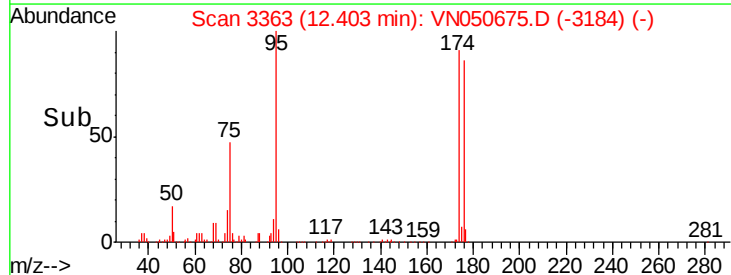
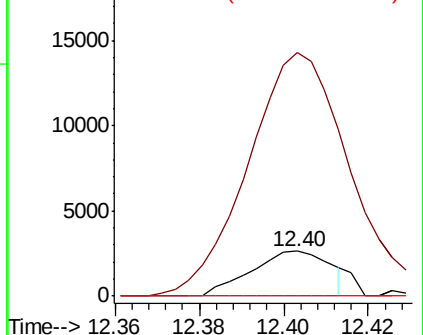
254 0.0 0.0 0.0

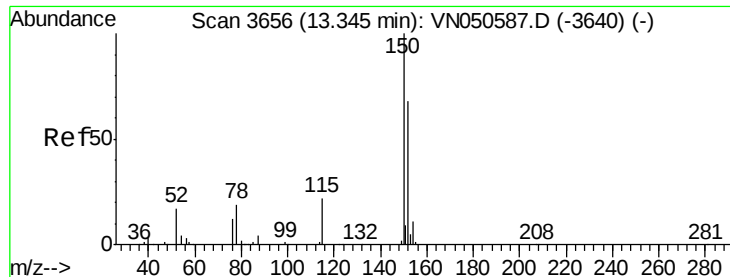


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL03

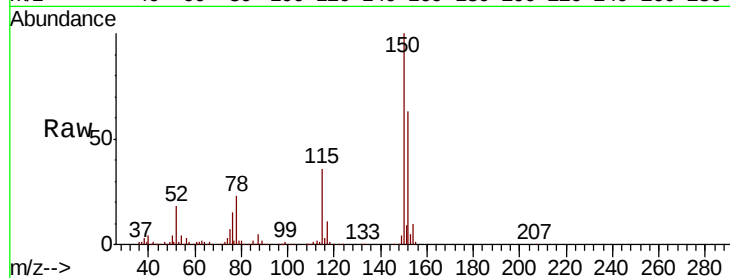
Tot Ion:152 Resp: 297395

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

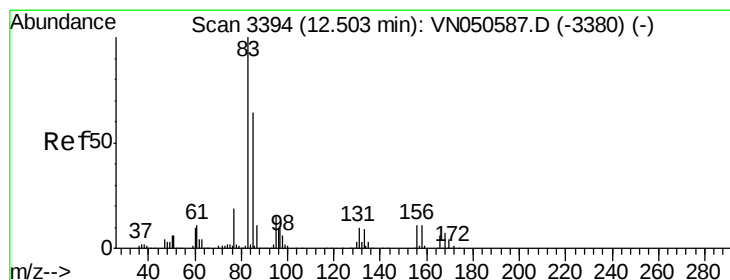
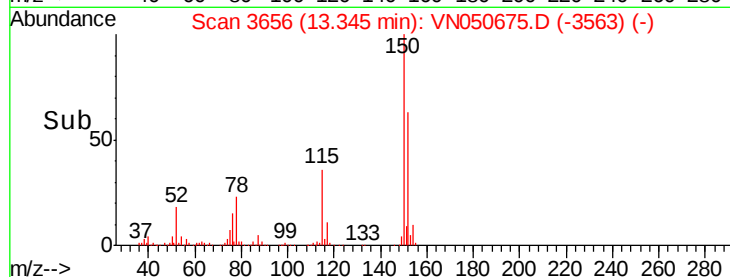
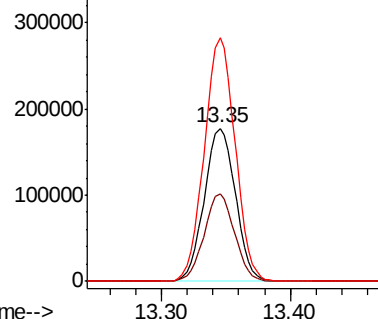
150 157.5 0.0 347.8



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: 12.50 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

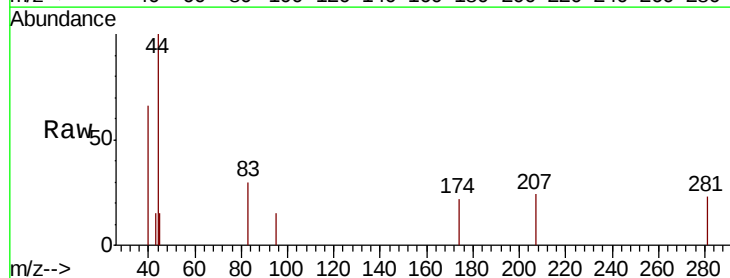
Tgt Ion: 83 Resp: 235

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

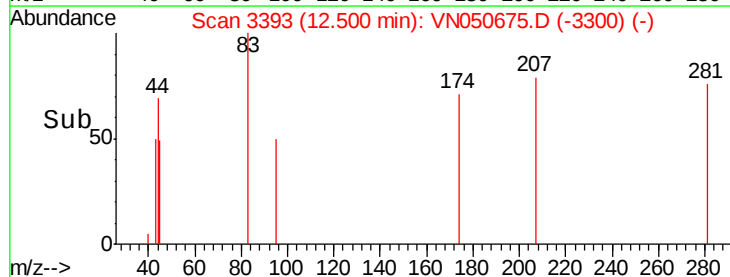
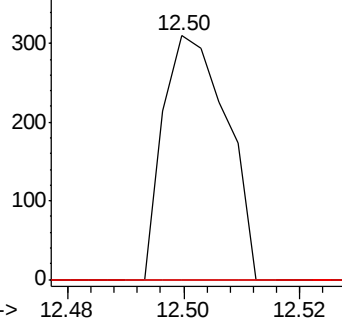
85 0.0 32.1 96.5#

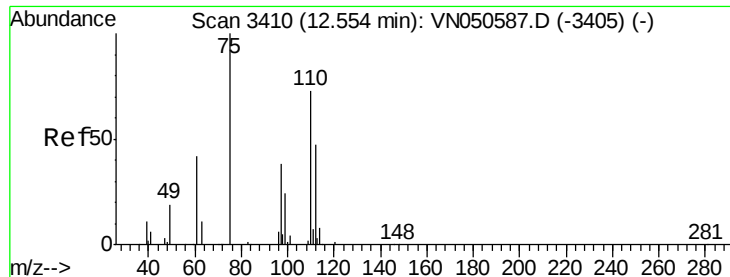


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

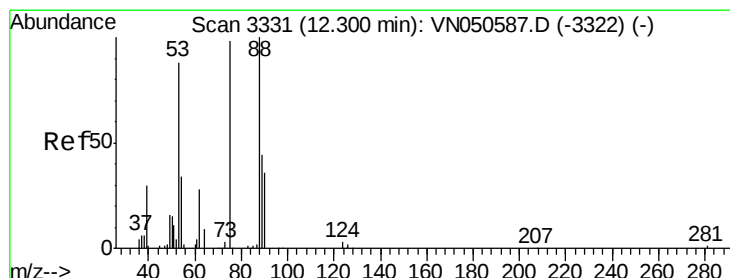
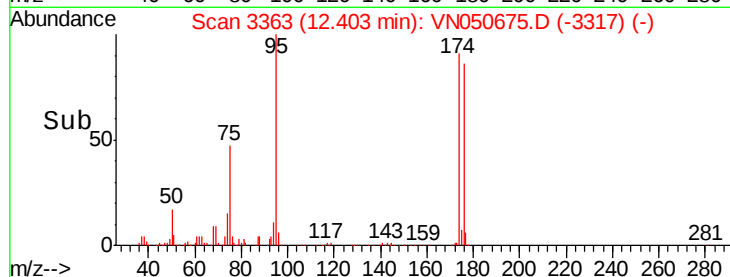
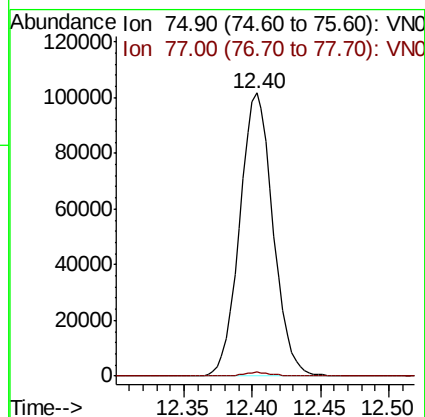
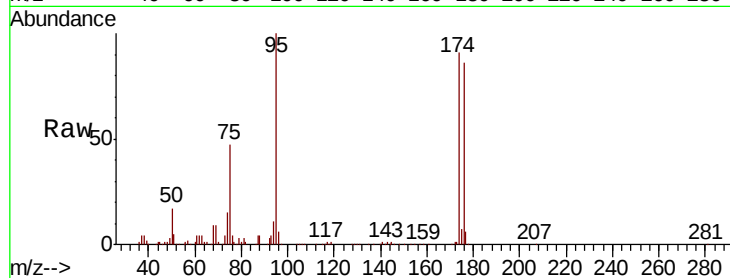
VN0815WBL03

Tot Ion: 75 Resp: 172062

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

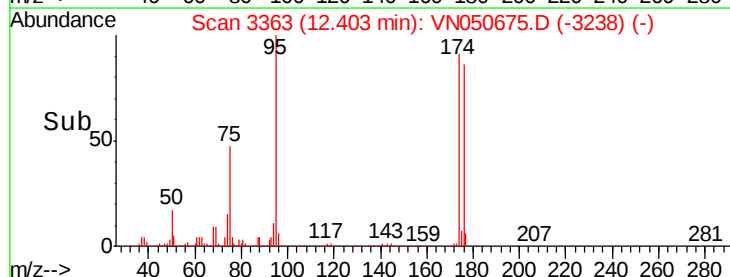
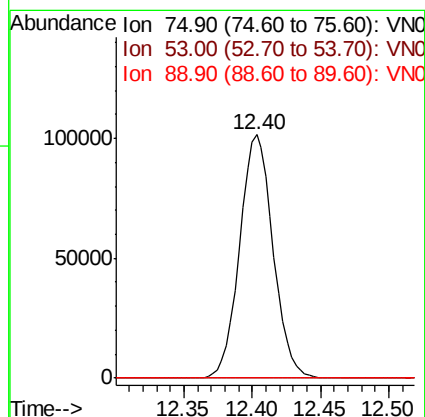
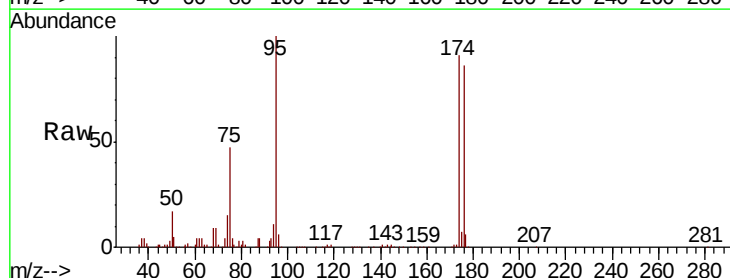
Tgt Ion: 75 Resp: 172062

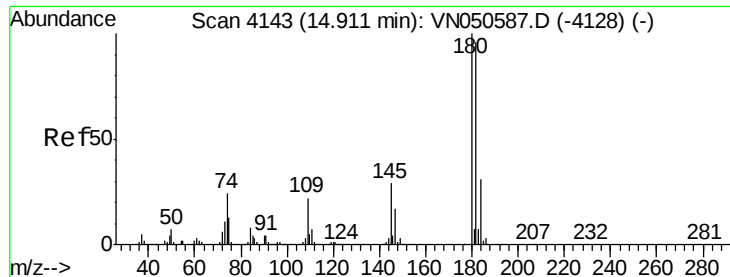
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#





#93

1,2,4-Trichlorobenzene

Concen: 2.90 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBL03

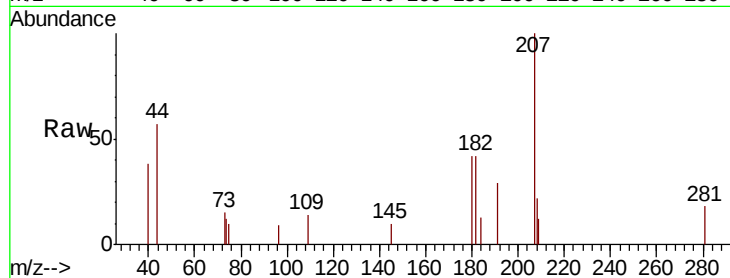
Tot Ion:180 Resp: 1260

Ion Ratio Lower Upper

180 100

182 90.1 47.9 143.7

145 11.2 14.4 43.4#

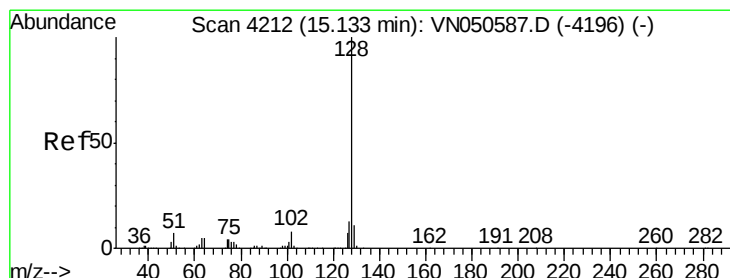
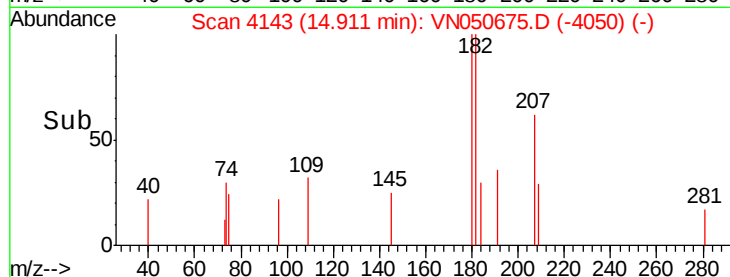
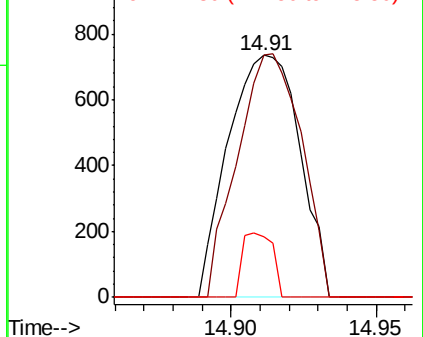


Abundance

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



#95

Naphthalene

Concen: 4.10 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN050675.D

Acq: 16 Aug 2018 00:43

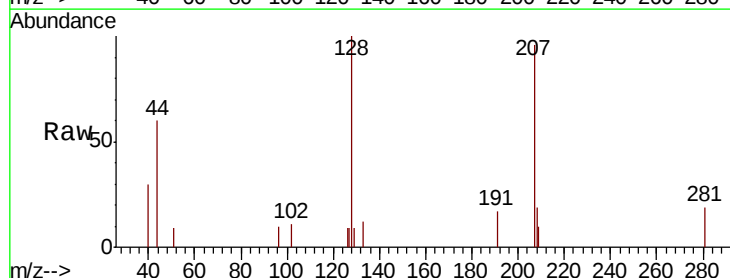
Tgt Ion:128 Resp: 2956

Ion Ratio Lower Upper

128 100

127 5.4 10.3 15.5#

129 2.1 8.5 12.7#

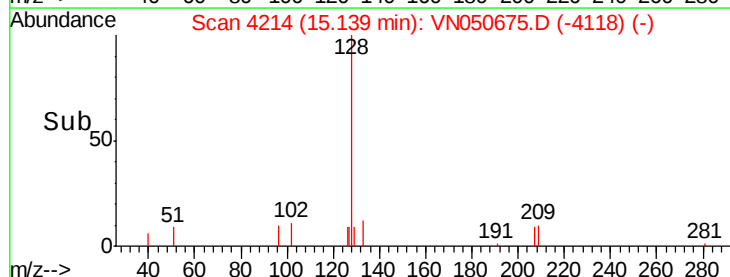
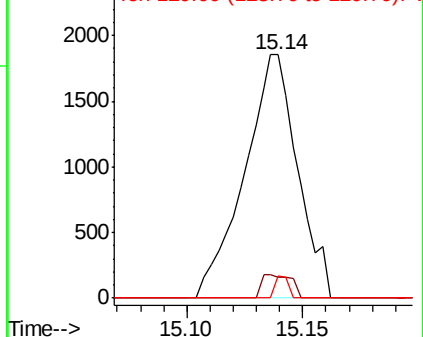


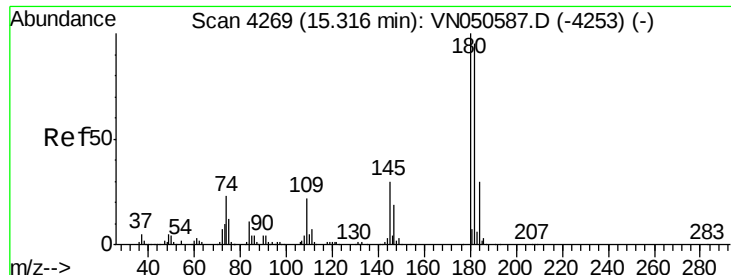
Abundance

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: 2.15 ug/l
 RT: 15.32 min Scan# 4271
 Delta R.T. 0.01 min
 Lab File: VN050675.D
 Acq: 16 Aug 2018 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.1	47.3	141.8
145	37.1	14.6	44.0

