

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049906.D
 Acq On : 19 Jul 2018 10:18
 Operator : MD\SY
 Sample : VN0719WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBL01

Quant Time: Jul 20 01:26:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	630372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	996873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301550	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	432552	49.92	ug/l	0.00
Spiked Amount			Recovery	=	99.84%	
35) Dibromofluoromethane	7.59	113	386105	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
50) Toluene-d8	10.09	98	1353066	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	
62) 4-Bromofluorobenzene	12.40	95	358158	34.11	ug/l	0.00
Spiked Amount			Recovery	=	68.22%	

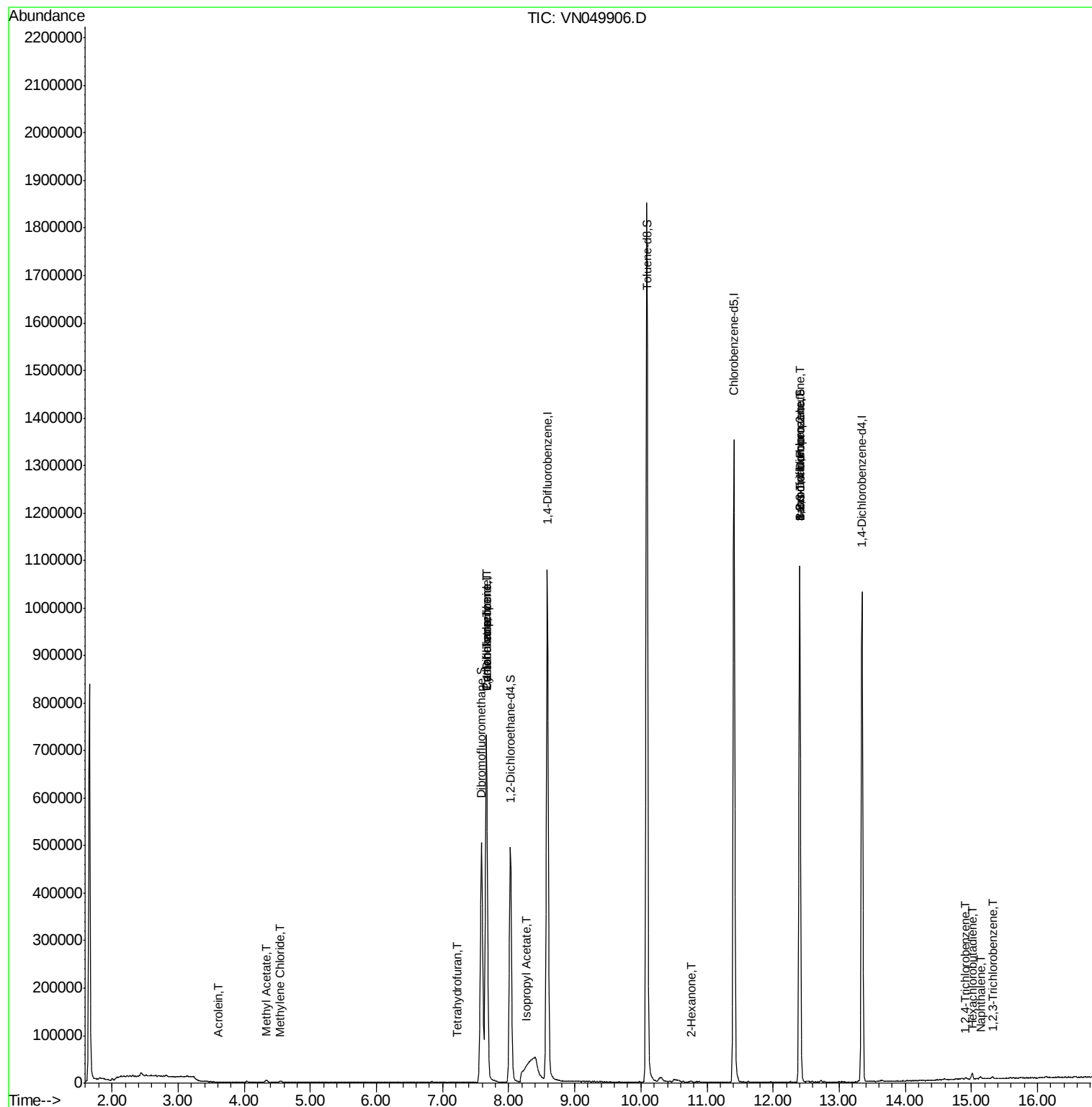
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	1070	Below Cal	#	74
13) Acrolein	3.62	56	203	0.51	ug/l #	15
18) Methyl Acetate	4.34	43	8353	0.37	ug/l	90
20) Methylene Chloride	4.55	84	2194	0.26	ug/l #	81
29) Tetrahydrofuran	7.22	42	960	0.48	ug/l #	51
31) Cyclohexane	7.66	56	11917	1.03	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	43129	3.89	ug/l #	48
38) Carbon Tetrachloride	7.67	117	56886	4.79	ug/l #	16
43) Isopropyl Acetate	8.26	43	45086	3.39	ug/l #	62
59) 2-Hexanone	10.76	43	1746	0.35	ug/l	82
71) Bromoform	12.40	173	3329	0.58	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	177632	31.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	177632	98.19	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	1779	3.75	ug/l	79
94) Hexachlorobutadiene	15.01	225	2676	0.75	ug/l #	70
95) Naphthalene	15.14	128	3821	4.73	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.31	180	1887	0.36	ug/l	91

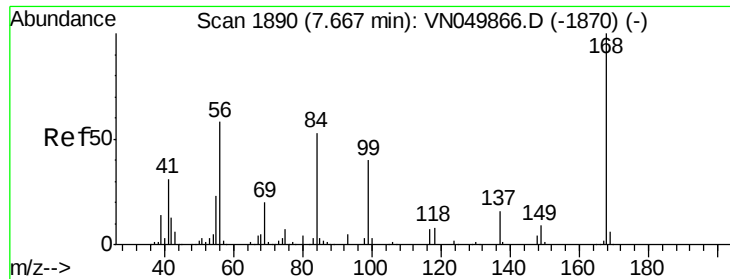
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

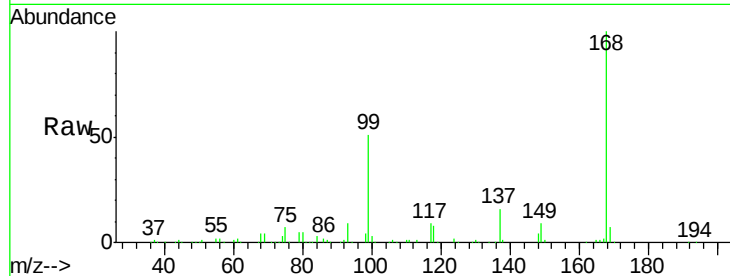
VN0719WBL01

Tot Ion:168 Resp: 630372

Ion Ratio Lower Upper

168 100

99 50.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049906.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049906.D (-1797) (-)

7.66

250000

200000

150000

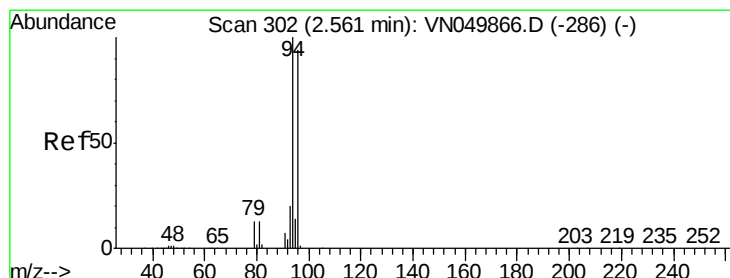
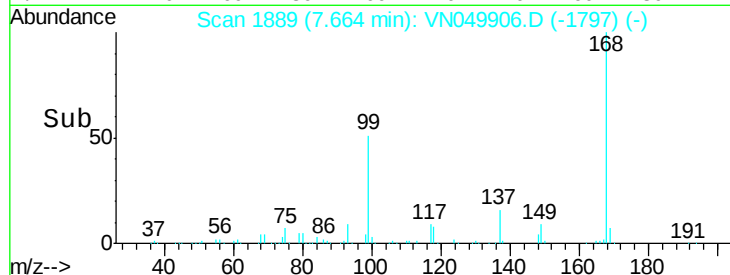
100000

50000

0

7.60 7.65 7.70 7.75 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049906.D

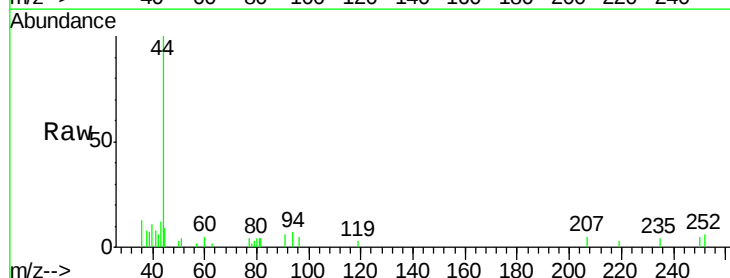
Acq: 19 Jul 2018 10:18

Tgt Ion: 94 Resp: 1070

Ion Ratio Lower Upper

94 100

96 69.1 75.7 113.5#



Abundance Ion 93.90 (93.60 to 94.60): VN049906.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049906.D (-209) (-)

2.57

500

400

300

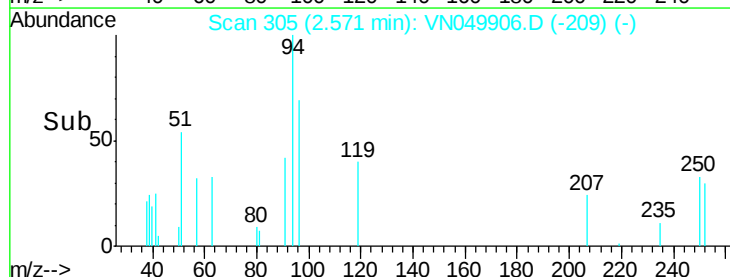
200

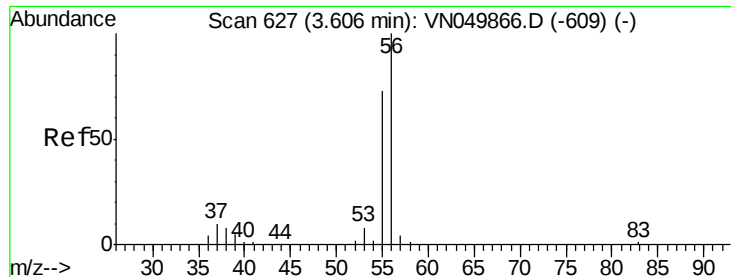
100

0

2.55 2.57 2.59 2.61 2.63 2.65

Time-->





#13

Acrolein

Concen: 0.51 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

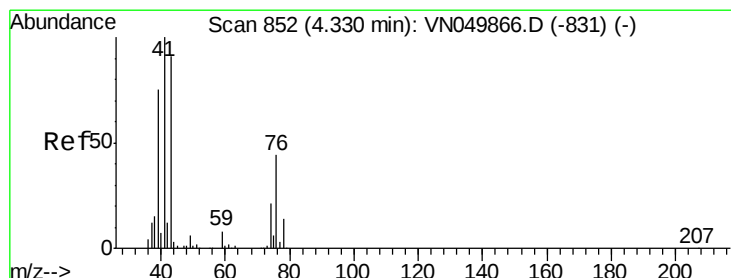
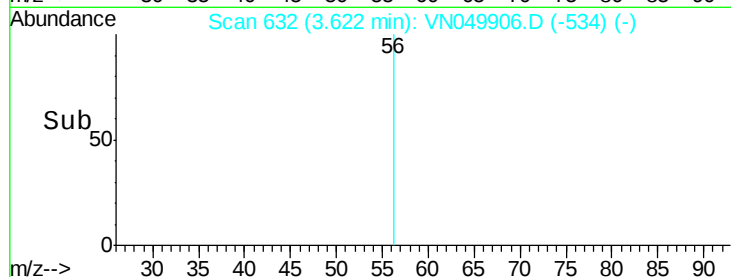
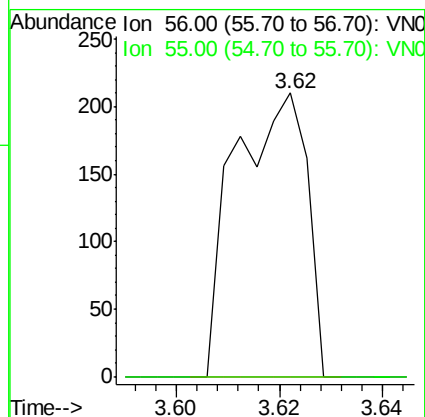
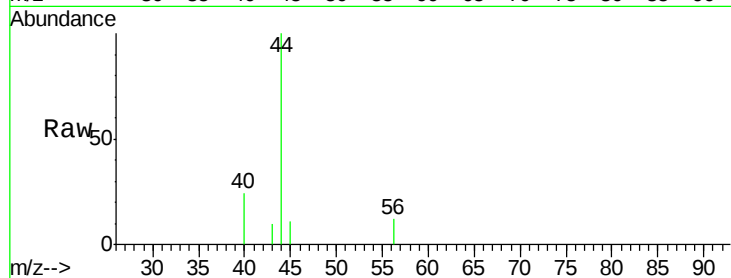
VN0719WBL01

Tot Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



#18

Methyl Acetate

Concen: 0.37 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049906.D

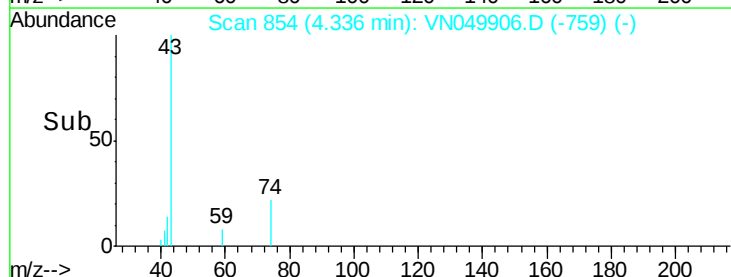
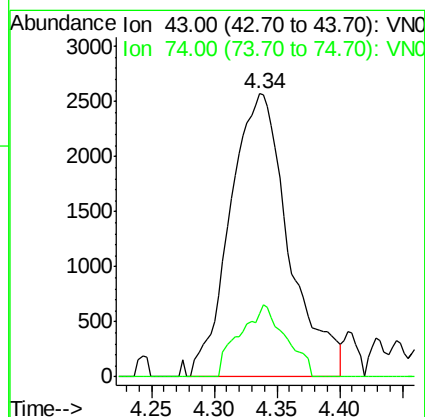
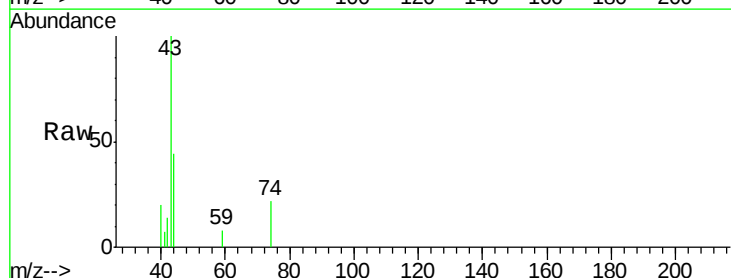
Acq: 19 Jul 2018 10:18

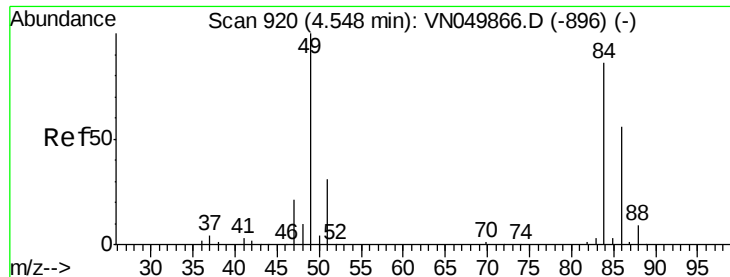
Tgt Ion: 43 Resp: 8353

Ion Ratio Lower Upper

43 100

74 19.8 19.8 29.8

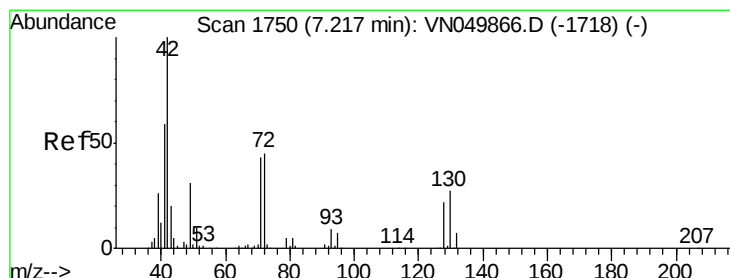
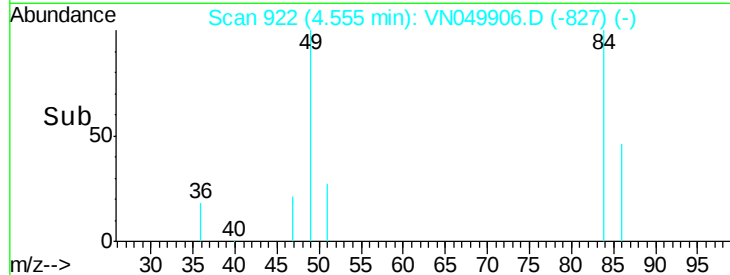
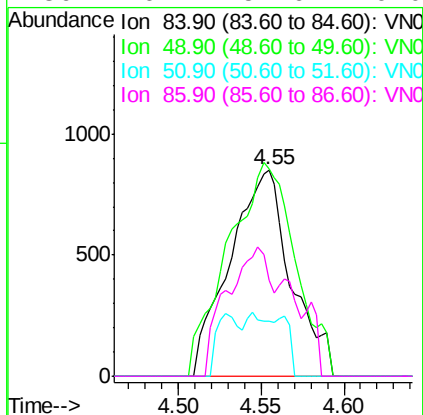
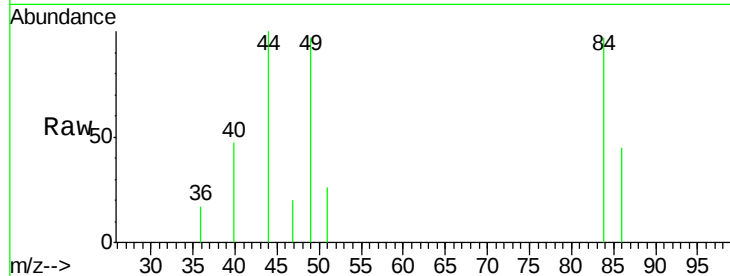




#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN049906.D
Acq: 19 Jul 2018 10:18

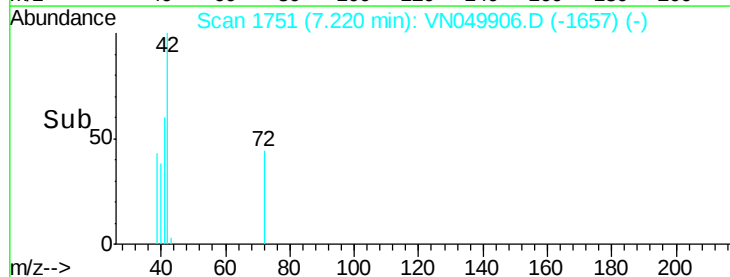
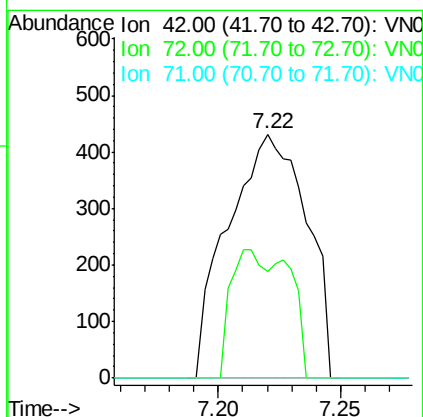
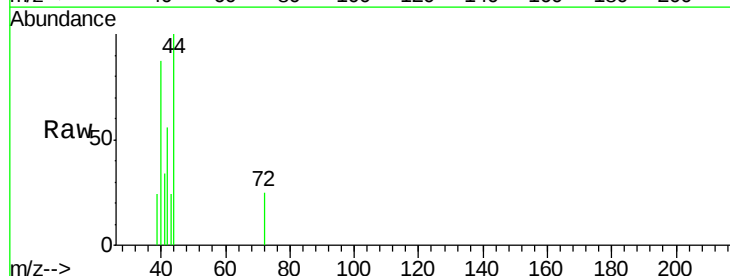
Instrument :
MSVOA_N
ClientSampled :
VN0719WBL01

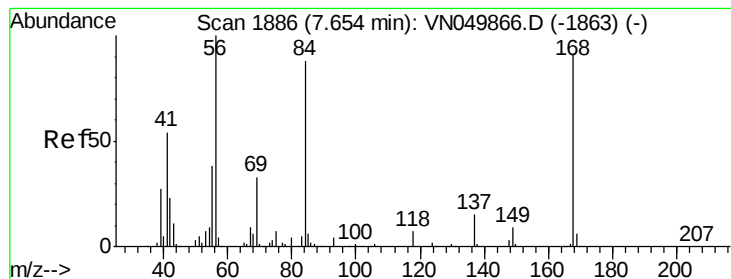
Tot Ion: 84 Resp: 2194
Ion Ratio Lower Upper
84 100
49 100.2 95.4 143.2
51 27.0 28.4 42.6#
86 46.4 52.6 79.0#



#29
Tetrahydrofuran
Concen: 0.48 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049906.D
Acq: 19 Jul 2018 10:18

Tgt Ion: 42 Resp: 960
Ion Ratio Lower Upper
42 100
72 24.0 35.6 53.4#
71 0.0 34.0 51.0#





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

VN0719WBL01

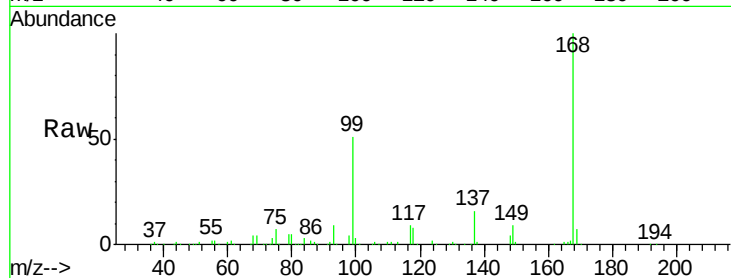
Tot Ion: 56 Resp: 11917

Ion Ratio Lower Upper

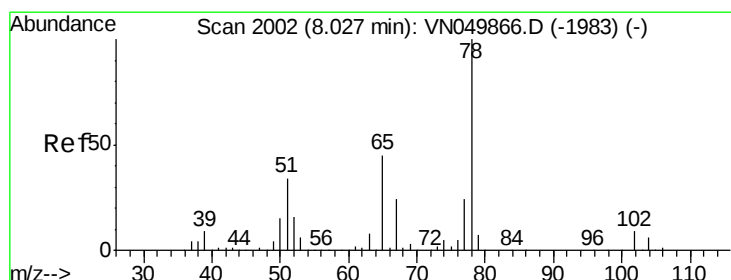
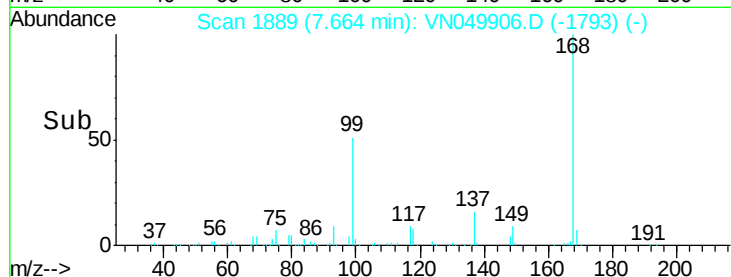
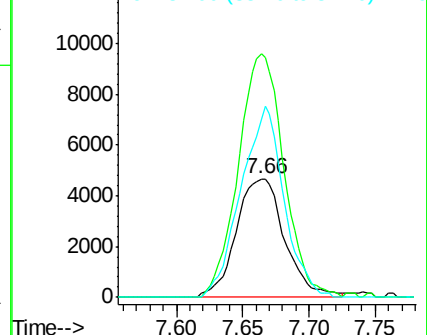
56 100

69 205.9 26.6 40.0#

84 151.3 69.0 103.6#



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: 49.92 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049906.D

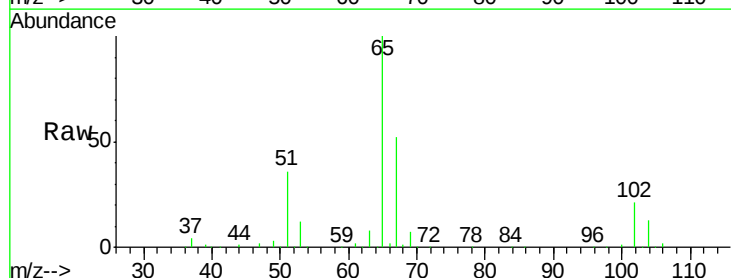
Acq: 19 Jul 2018 10:18

Tgt Ion: 65 Resp: 432552

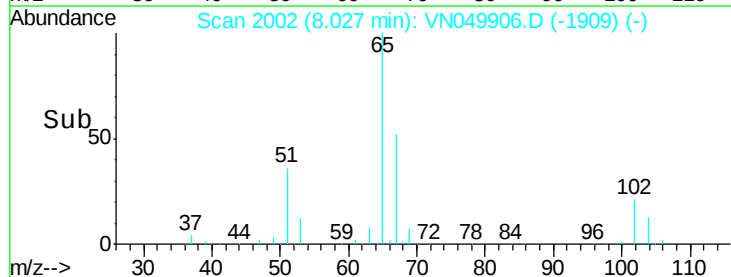
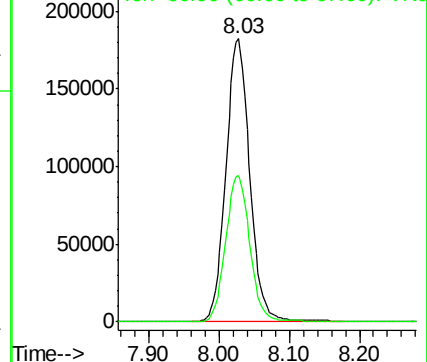
Ion Ratio Lower Upper

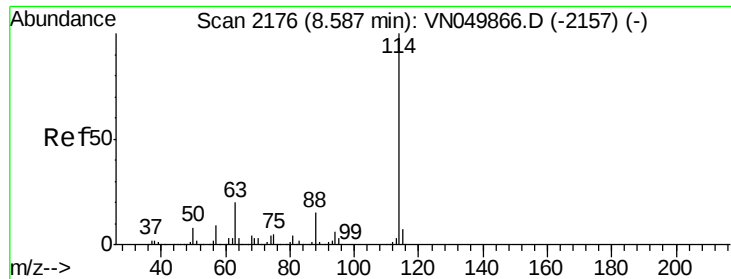
65 100

67 52.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

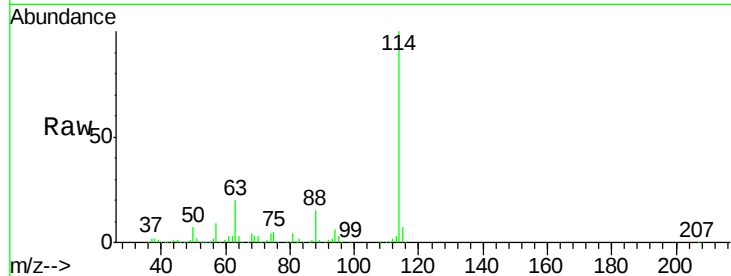




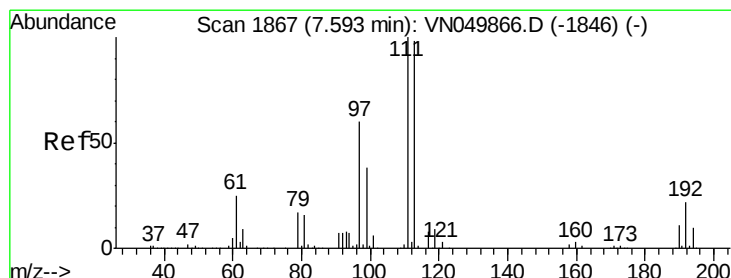
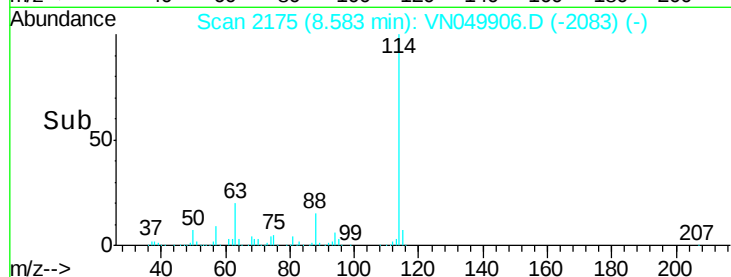
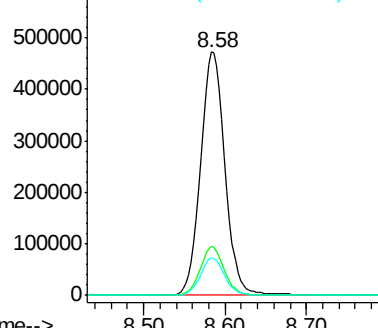
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN049906.D
 Acq: 19 Jul 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBL01

Tot Ion:114 Resp: 996873
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.8
 88 15.4 0.0 30.6

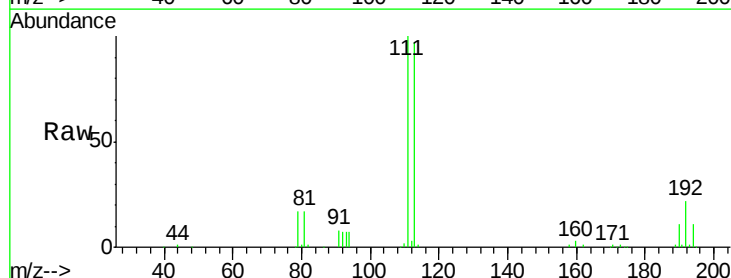


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

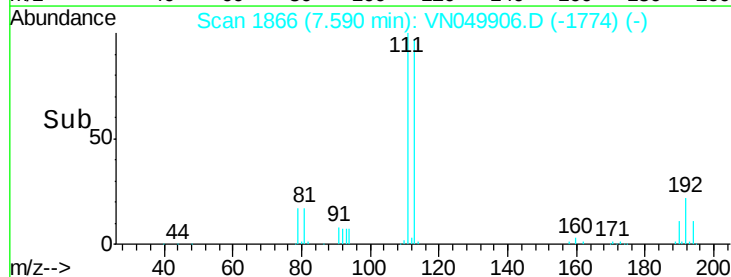
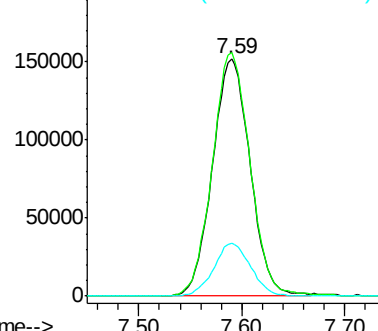


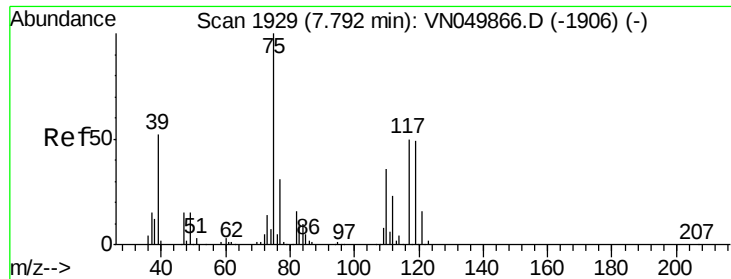
#35
 Dibromofluoromethane
 Concen: 46.14 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049906.D
 Acq: 19 Jul 2018 10:18

Tgt Ion:113 Resp: 386105
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 21.7 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

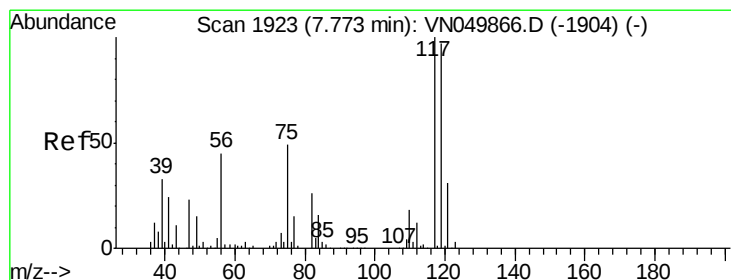
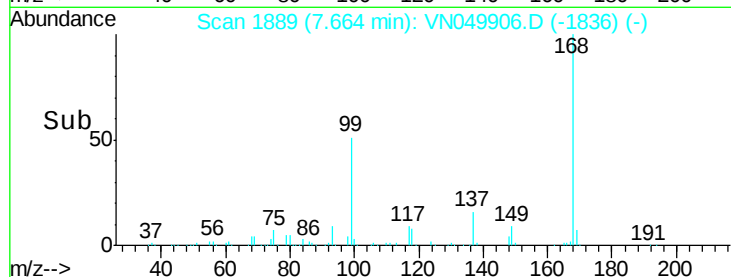
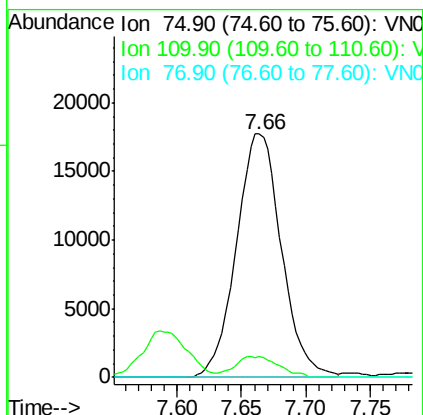
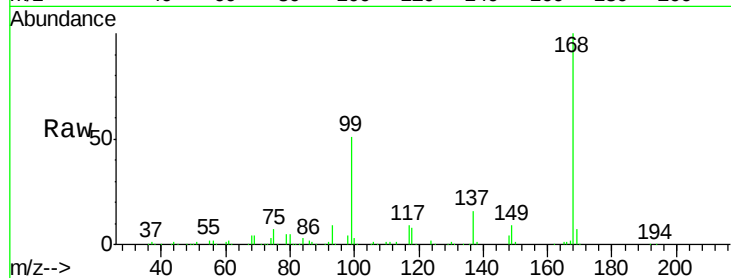




#36
 1,1-Dichloropropene
 Concen: 3.89 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049906.D
 Acq: 19 Jul 2018 10:18

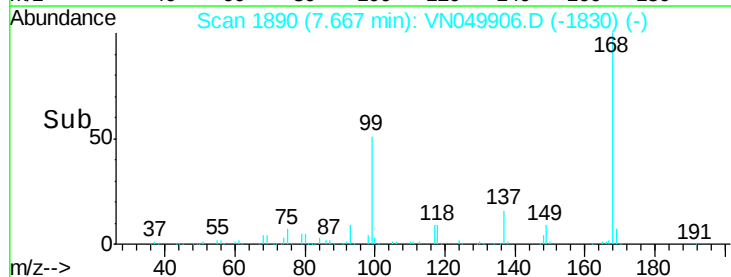
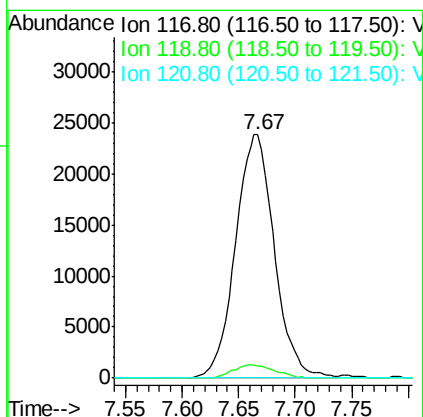
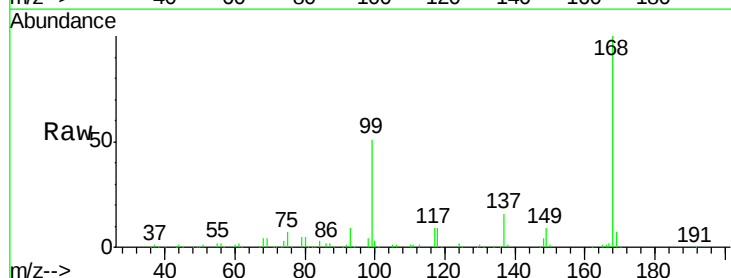
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBL01

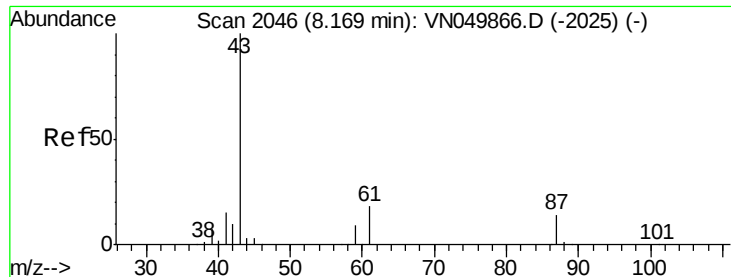
Tot Ion	75	Resp	43129
Ion Ratio	Lower	Upper	
75	100		
110	8.3	18.1	54.4#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 4.79 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049906.D
 Acq: 19 Jul 2018 10:18

Tgt Ion	117	Resp	56886
Ion Ratio	Lower	Upper	
117	100		
119	4.9	77.2	115.8#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 3.39 ug/l

RT: 8.26 min Scan# 2075

Delta R.T. 0.09 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

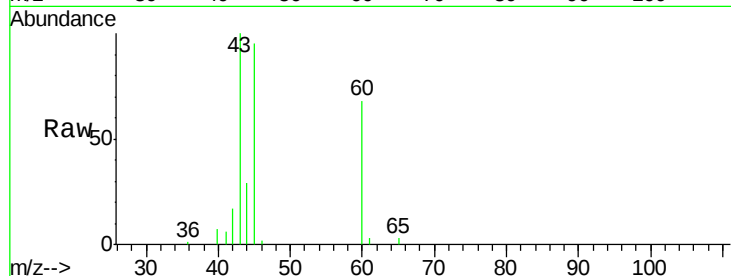
Tot Ion: 43 Resp: 45086

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

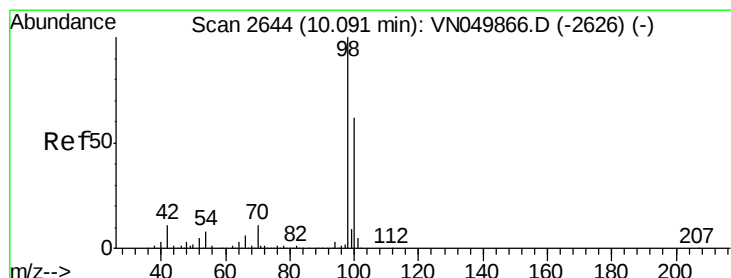
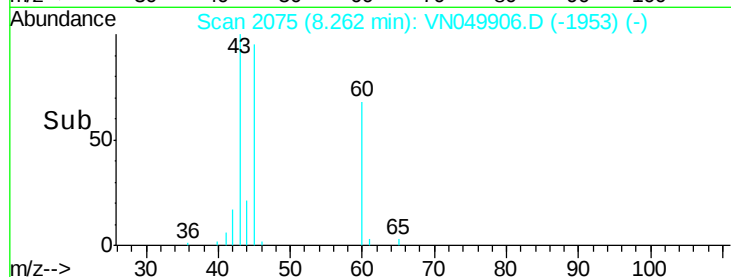
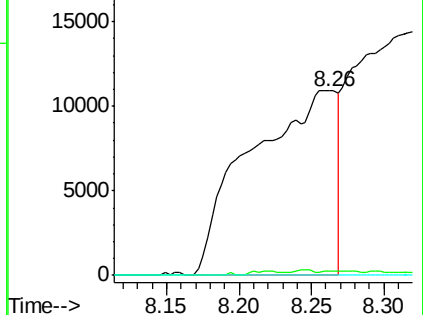
87 0.0 10.0 15.0#



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



#50

Toluene-d8

Concen: 44.37 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049906.D

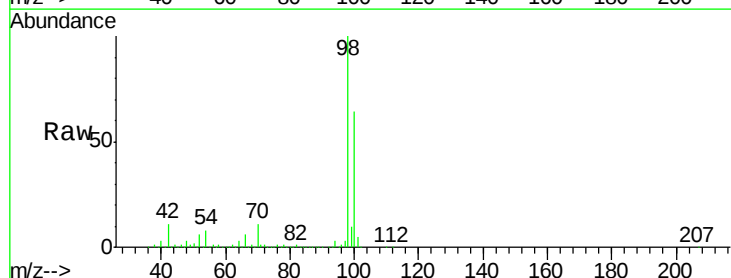
Acq: 19 Jul 2018 10:18

Tgt Ion: 98 Resp: 1353066

Ion Ratio Lower Upper

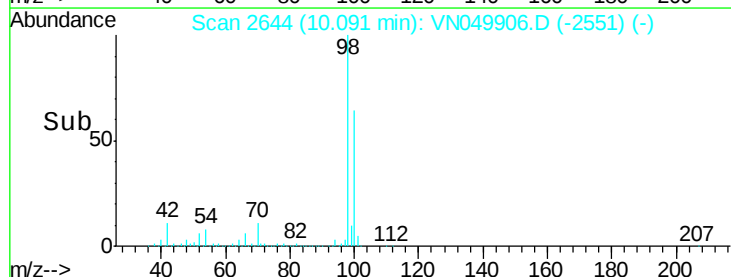
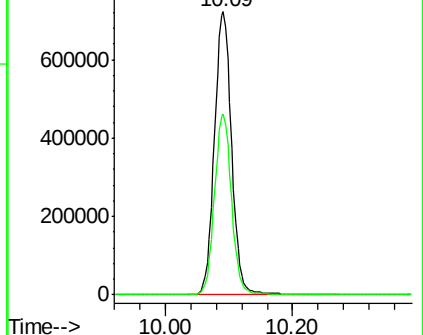
98 100

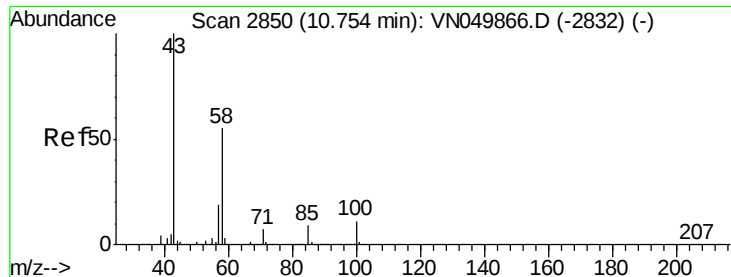
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#59

2-Hexanone

Concen: 0.35 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

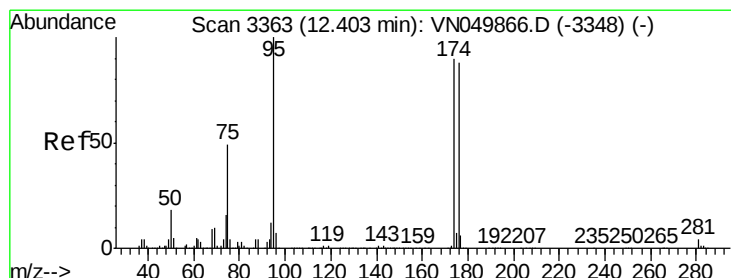
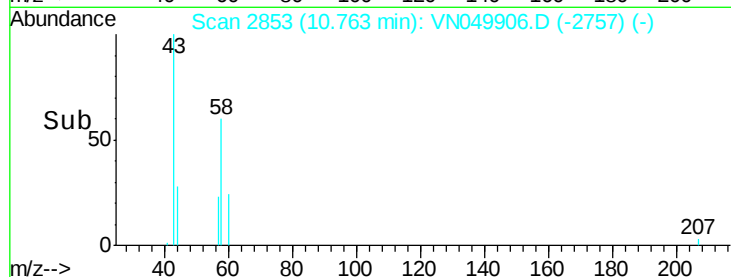
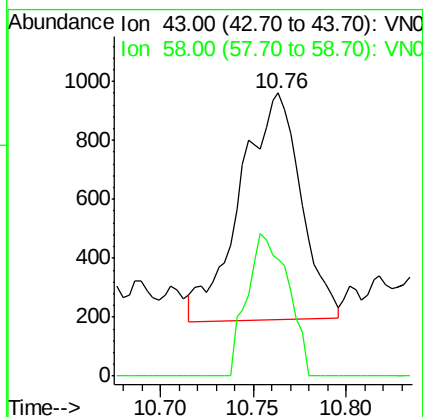
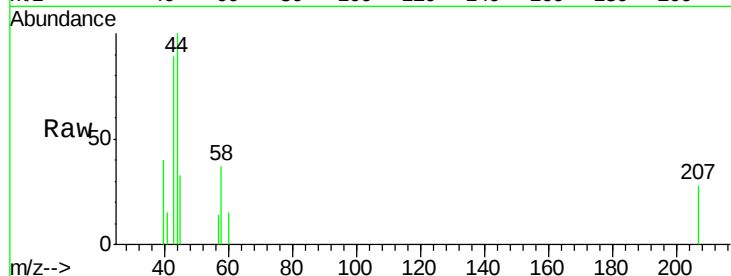
VN0719WBL01

Tot Ion: 43 Resp: 1746

Ion Ratio Lower Upper

43 100

58 42.7 27.8 83.4



#62

4-Bromofluorobenzene

Concen: 34.11 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

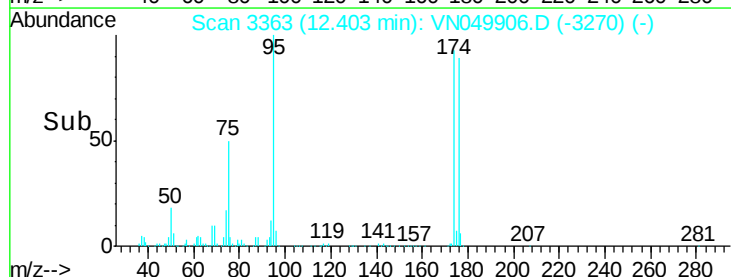
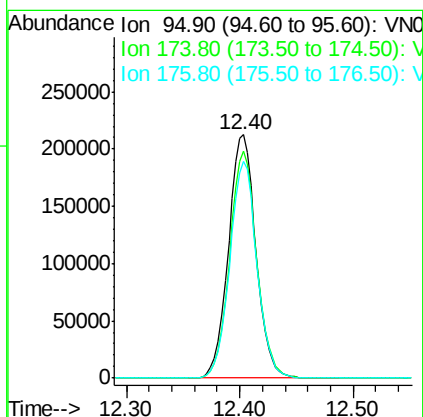
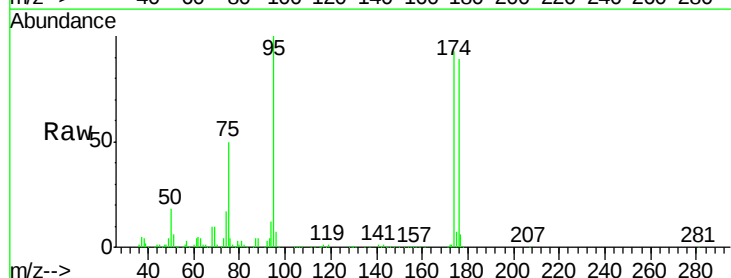
Tgt Ion: 95 Resp: 358158

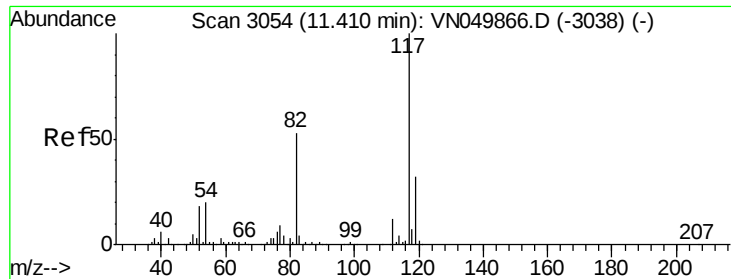
Ion Ratio Lower Upper

95 100

174 91.9 0.0 179.6

176 87.9 0.0 174.0

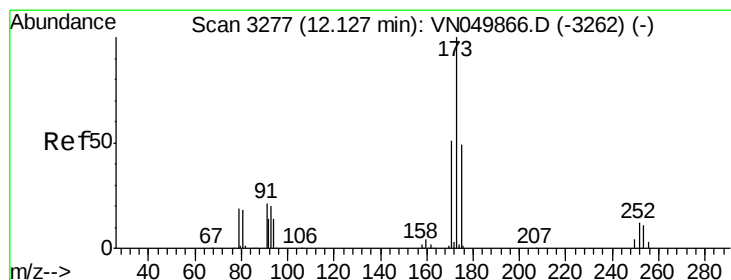
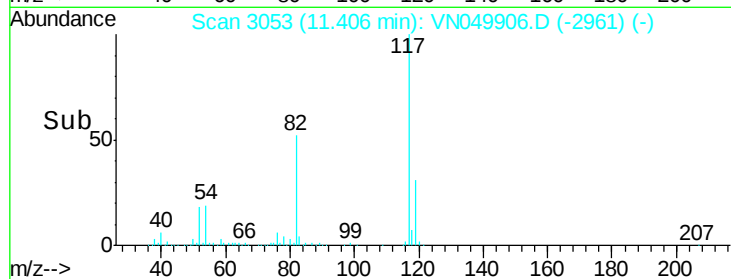
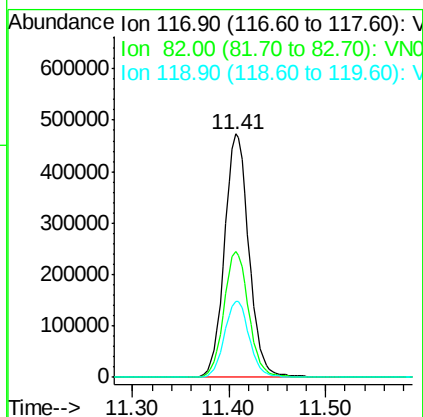
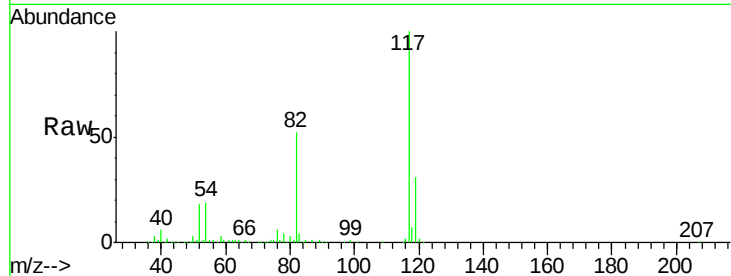




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049906.D
Acq: 19 Jul 2018 10:18

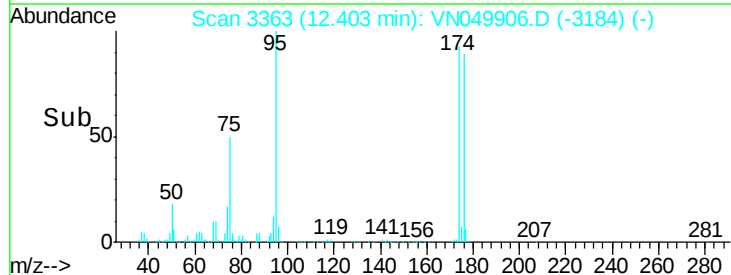
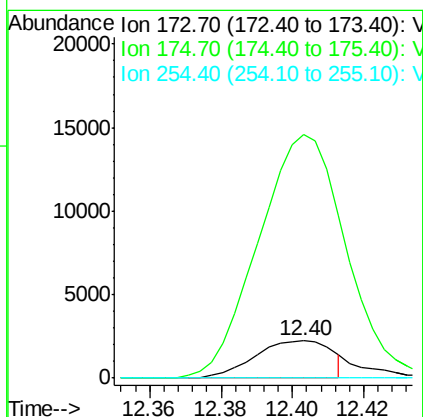
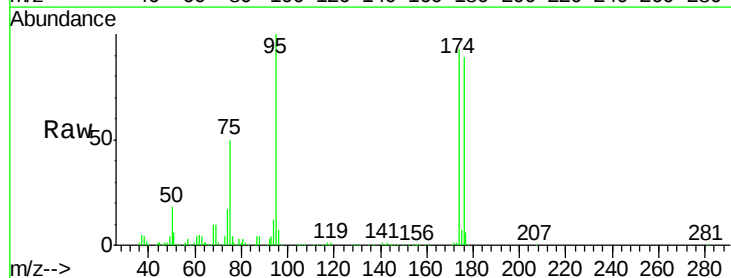
Instrument :
MSVOA_N
ClientSampleId :
VN0719WBL01

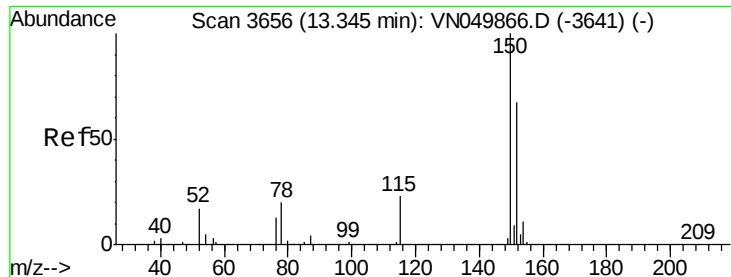
Tot Ion:117 Resp: 827597
Ion Ratio Lower Upper
117 100
82 52.0 41.9 62.9
119 31.4 25.4 38.2



#71
Bromoform
Concen: 0.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049906.D
Acq: 19 Jul 2018 10:18

Tgt Ion:173 Resp: 3329
Ion Ratio Lower Upper
173 100
175 633.0 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

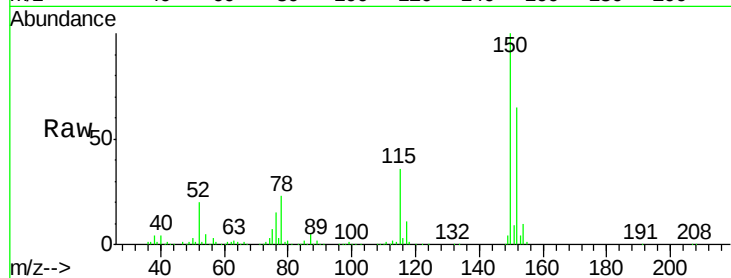
Tot Ion:152 Resp: 301550

Ion Ratio Lower Upper

152 100

115 54.8 28.1 84.2

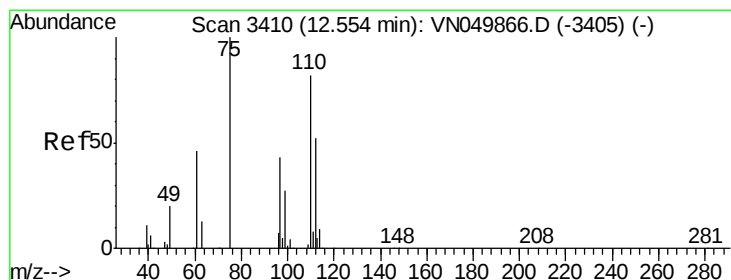
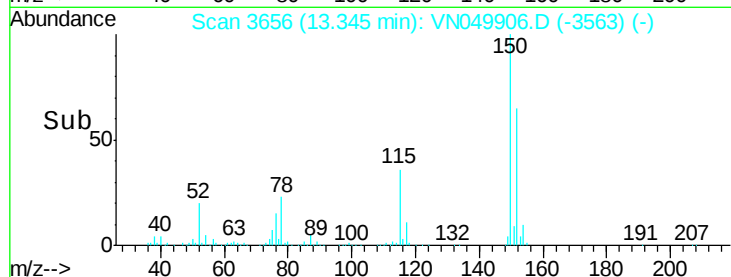
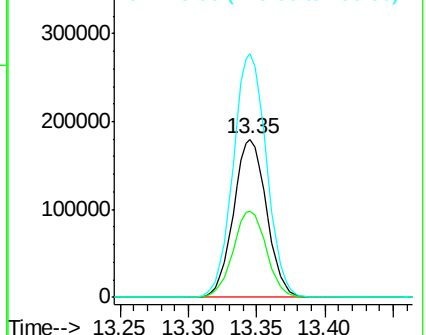
150 155.6 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 31.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049906.D

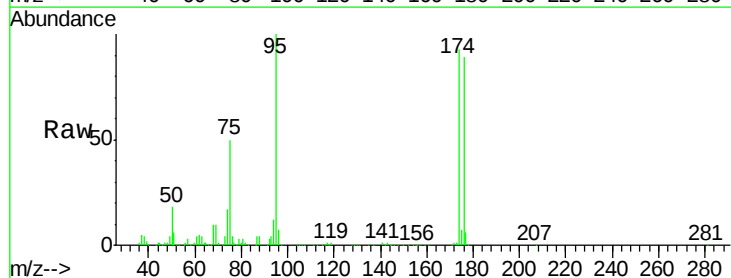
Acq: 19 Jul 2018 10:18

Tgt Ion: 75 Resp: 177632

Ion Ratio Lower Upper

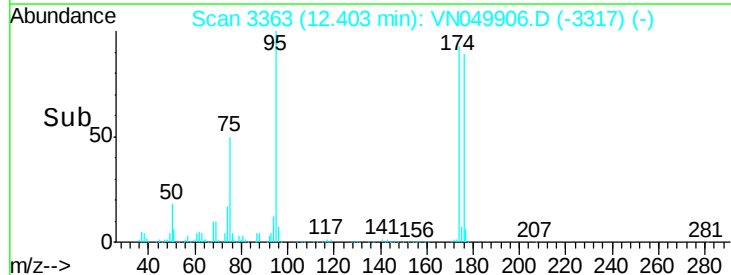
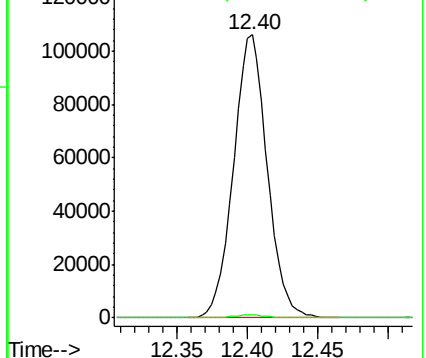
75 100

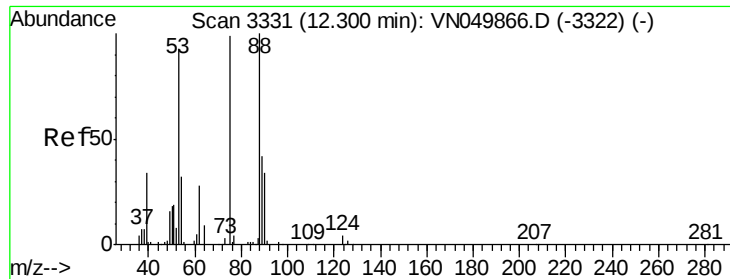
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 98.19 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

VN0719WBL01

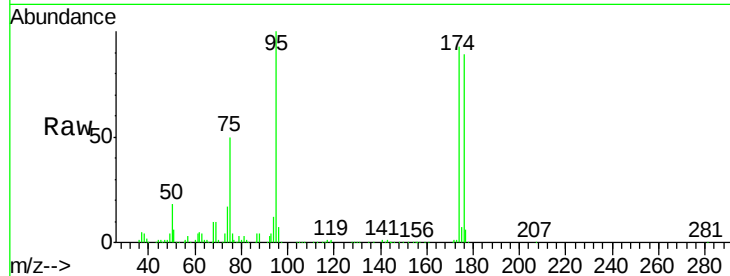
Tot Ion: 75 Resp: 177632

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

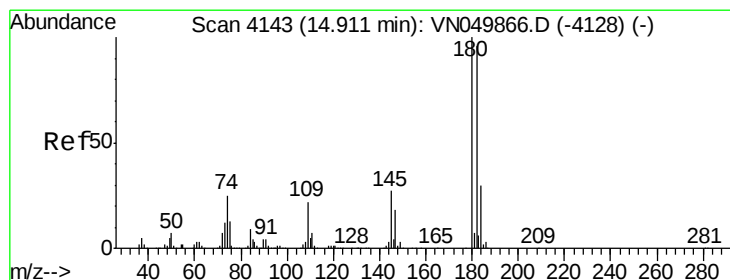
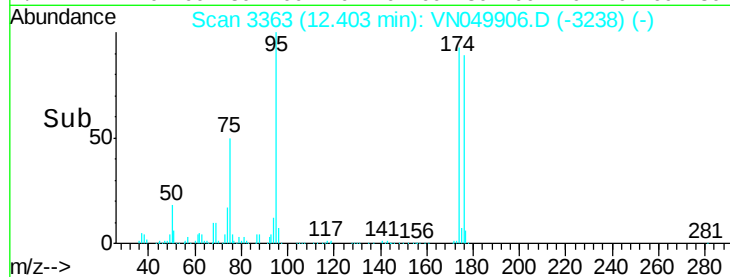
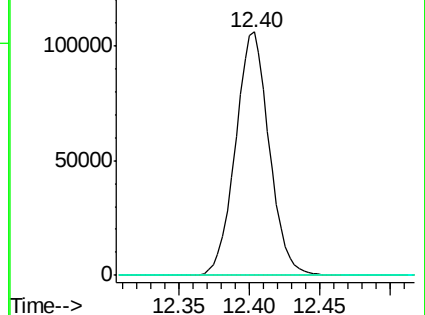
89 0.0 35.9 53.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.75 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

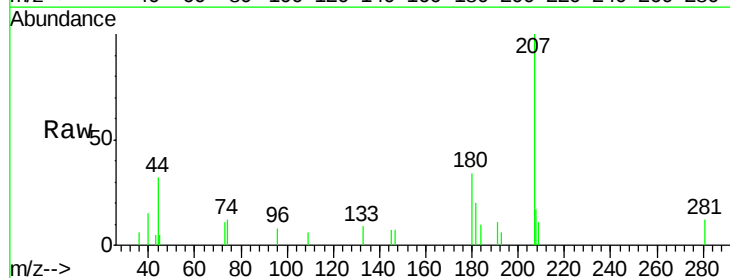
Tgt Ion: 180 Resp: 1779

Ion Ratio Lower Upper

180 100

182 74.5 47.3 141.9

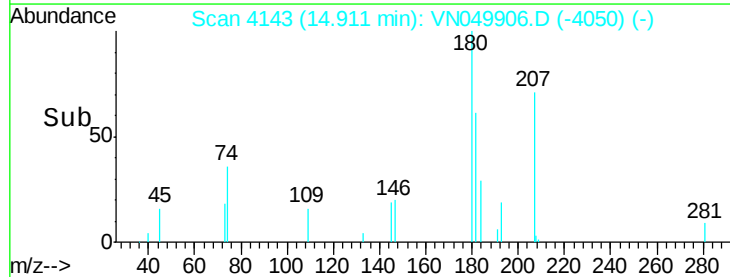
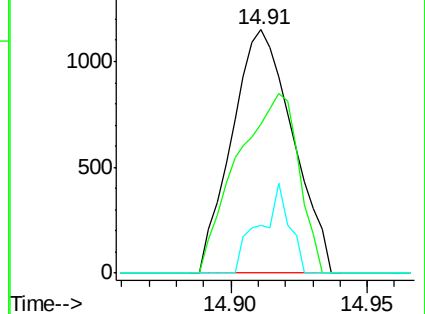
145 17.9 14.4 43.0

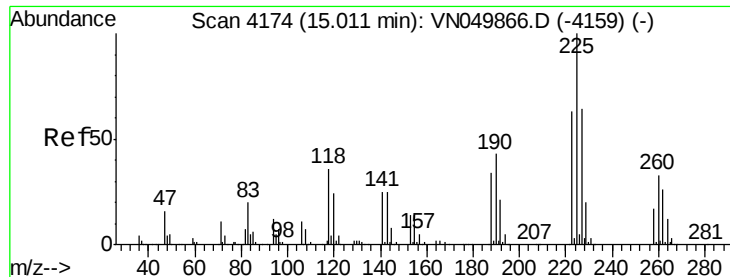


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.75 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. -0.00 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VN0719WBL01

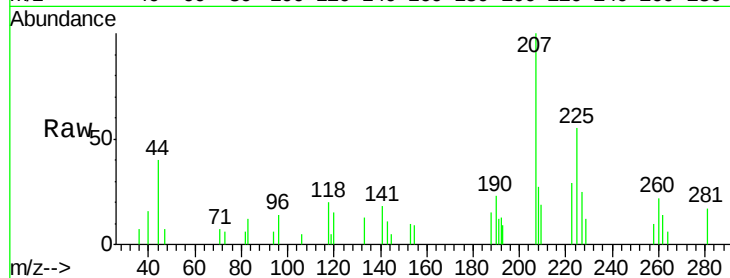
Tot Ion:225 Resp: 2676

Ion Ratio Lower Upper

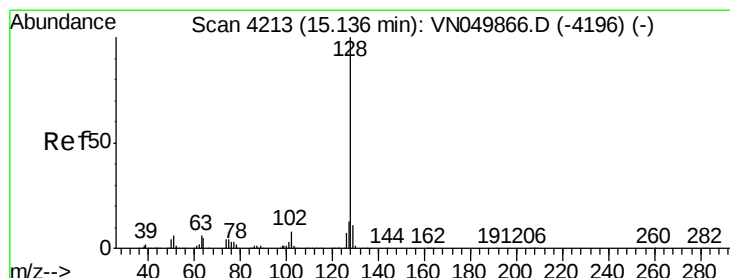
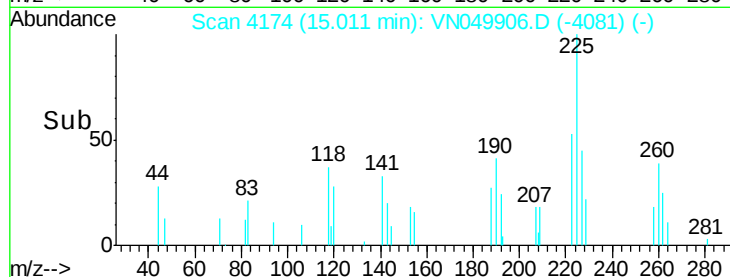
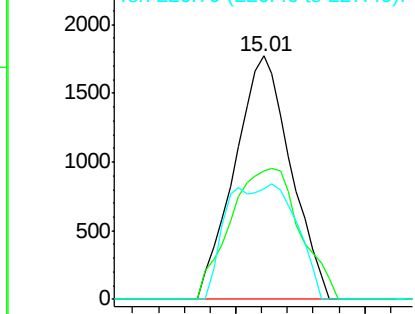
225 100

223 66.9 30.9 92.7

227 22.5 31.8 95.4#



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: 4.73 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049906.D

Acq: 19 Jul 2018 10:18

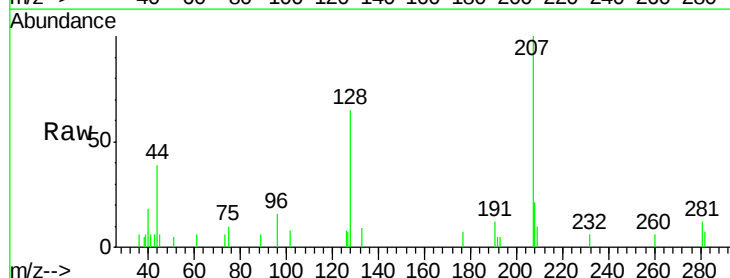
Tgt Ion:128 Resp: 3821

Ion Ratio Lower Upper

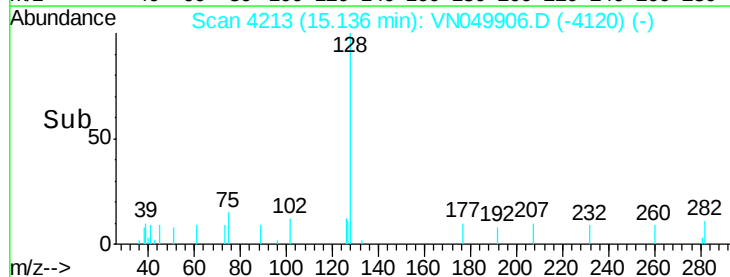
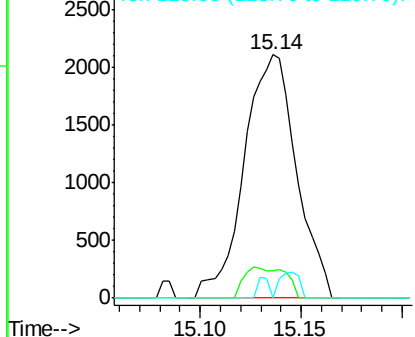
128 100

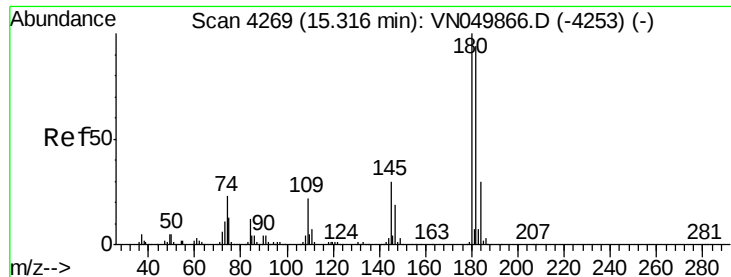
127 0.0 10.4 15.6#

129 4.1 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

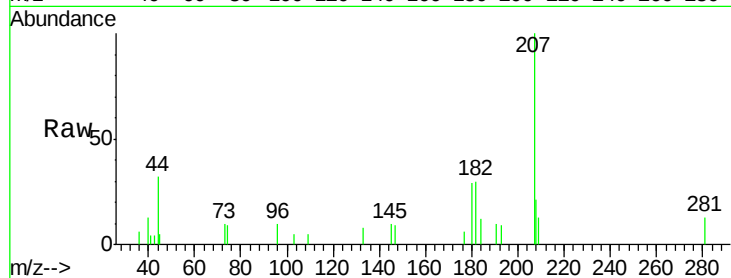




#96
 1,2,3-Trichlorobenzene
 Concen: 0.36 ug/l
 RT: 15.31 min Scan# 4268
 Delta R.T. -0.00 min
 Lab File: VN049906.D
 Acq: 19 Jul 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.7	47.4	142.2
145	30.3	15.2	45.6



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

