

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049920.D
 Acq On : 19 Jul 2018 16:50
 Operator : MD\SY
 Sample : PB111251ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB111251ZHE#07

Quant Time: Jul 20 01:29:53 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	7.67	168	562445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	957605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	794884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301156	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	408183	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
35) Dibromofluoromethane	7.59	113	360752	44.87	ug/l	0.00
Spiked Amount			Recovery	=	89.74%	
50) Toluene-d8	10.09	98	1277657	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	
62) 4-Bromofluorobenzene	12.40	95	350438	34.74	ug/l	0.00
Spiked Amount			Recovery	=	69.48%	

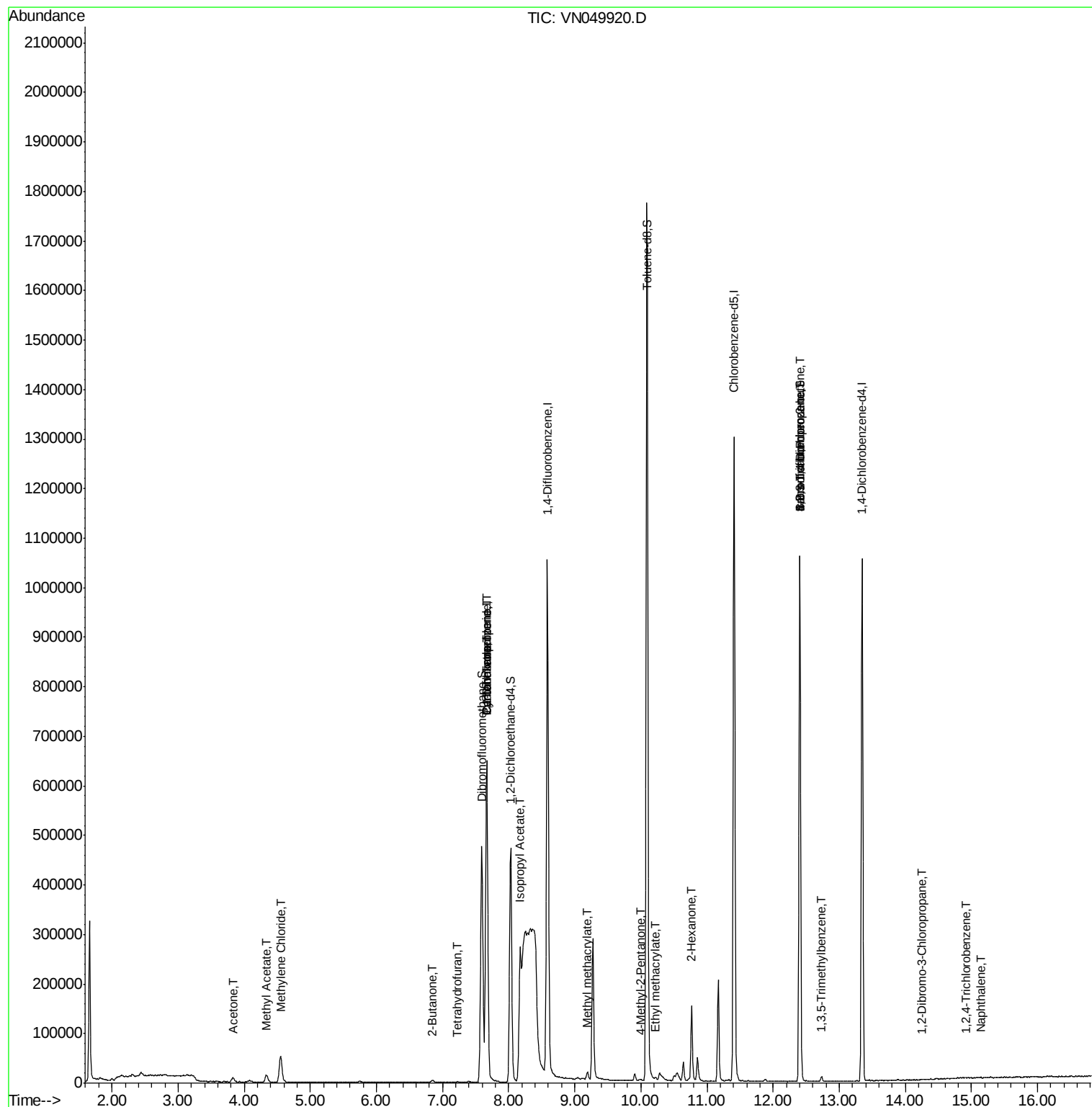
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	450	Below Cal		86
16) Acetone	3.83	43	15503	7.75	ug/l	96
18) Methyl Acetate	4.33	43	28418	3.76	ug/l	93
20) Methylene Chloride	4.55	84	39867	5.24	ug/l	96
25) 2-Butanone	6.84	43	1338	0.47	ug/l	92
29) Tetrahydrofuran	7.22	42	574	0.32	ug/l #	41
31) Cyclohexane	7.67	56	10969	1.07	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40349	3.79	ug/l #	48
38) Carbon Tetrachloride	7.67	117	50514	4.43	ug/l #	16
43) Isopropyl Acetate	8.17	43	322183	25.22	ug/l #	92
48) Methyl methacrylate	9.18	41	8095	1.26	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	2505	0.35	ug/l #	83
56) Ethyl methacrylate	10.23	69	2754	2.40	ug/l #	71
59) 2-Hexanone	10.77	43	20306	4.23	ug/l #	60
71) Bromoform	12.40	173	2671	0.48	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	173411	30.70	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3824	0.21	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	173411	95.98	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.25	75	251	0.24	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	100	3.49	ug/l #	13
95) Naphthalene	15.14	128	275	4.51	ug/l #	69

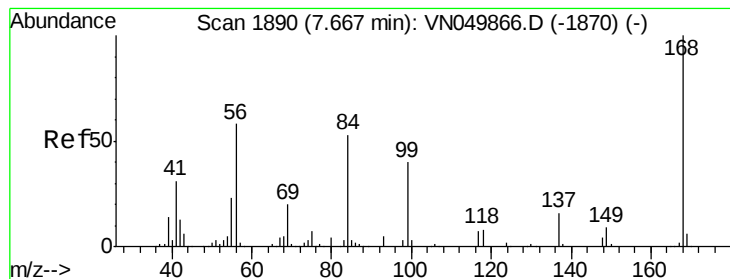
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

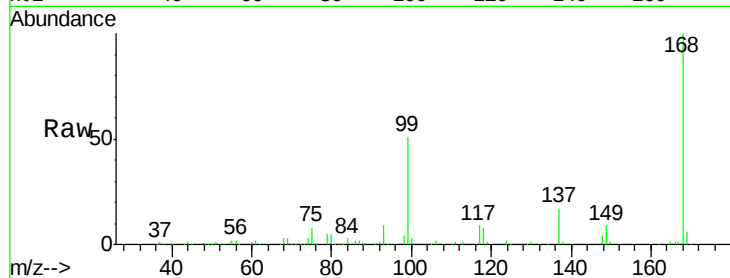
PB111251ZHE#07

Tot Ion:168 Resp: 562445

Ion Ratio Lower Upper

168 100

99 50.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

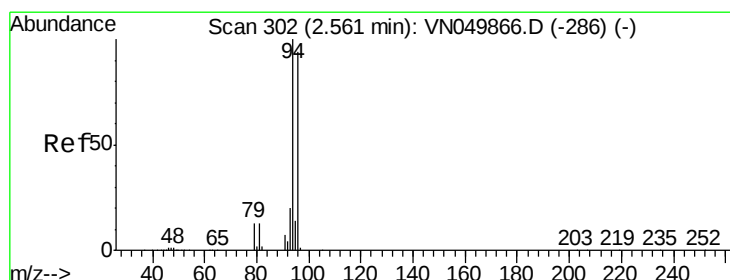
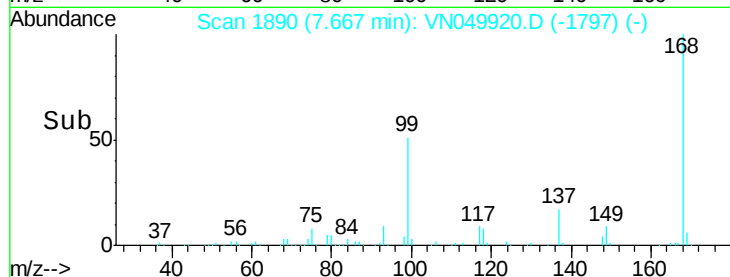
100000

50000

0

Time-->

7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049920.D

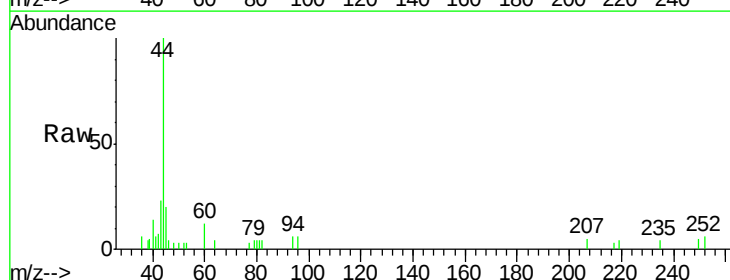
Acq: 19 Jul 2018 16:50

Tgt Ion: 94 Resp: 450

Ion Ratio Lower Upper

94 100

96 108.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

400

300

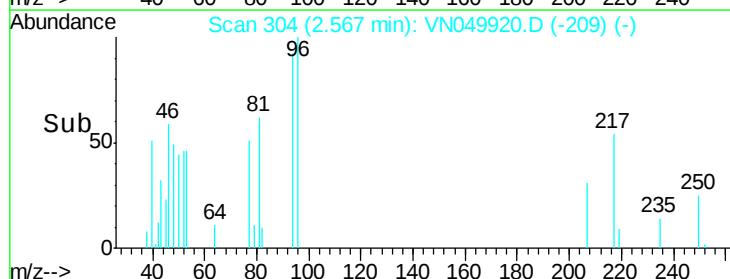
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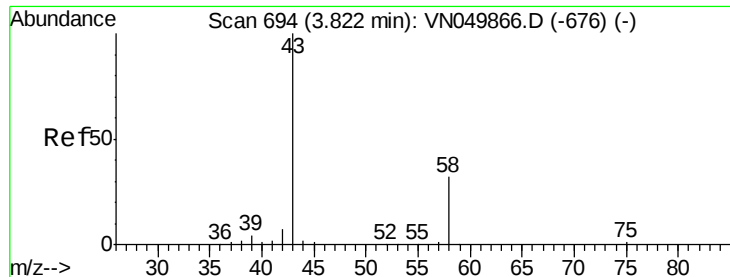
100

0

Time-->

2.54 2.56 2.58





#16

Acetone

Concen: 7.75 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

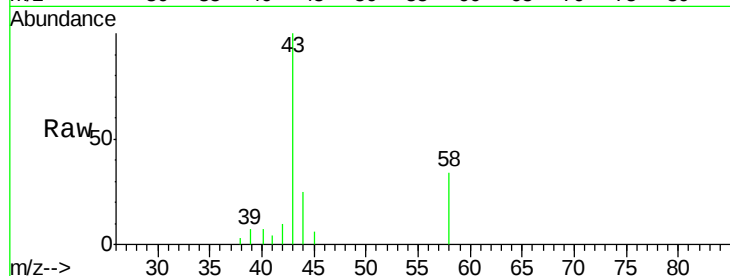
PB111251ZHE#07

Tot Ion: 43 Resp: 15503

Ion Ratio Lower Upper

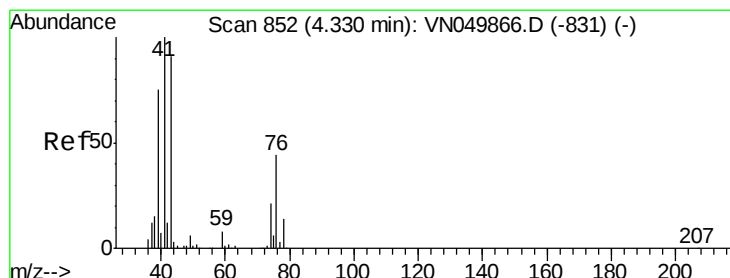
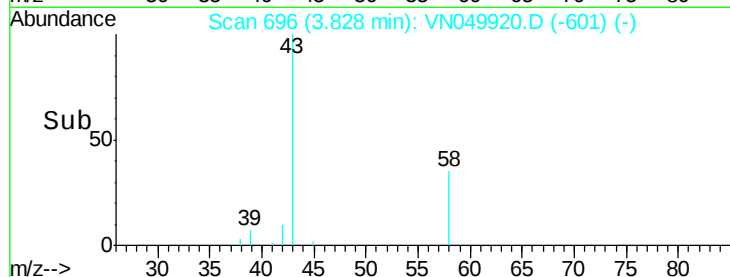
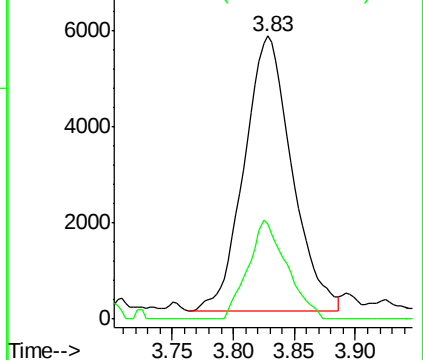
43 100

58 34.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049920.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049920.D (-601) (-)



#18

Methyl Acetate

Concen: 3.76 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049920.D

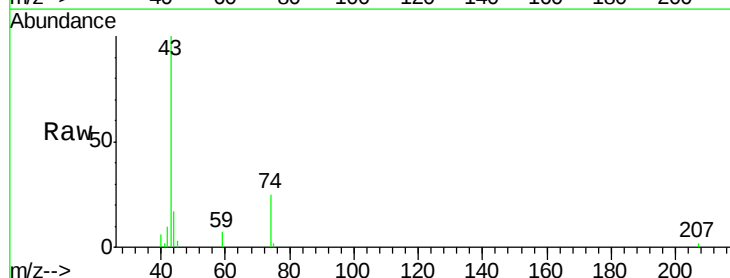
Acq: 19 Jul 2018 16:50

Tgt Ion: 43 Resp: 28418

Ion Ratio Lower Upper

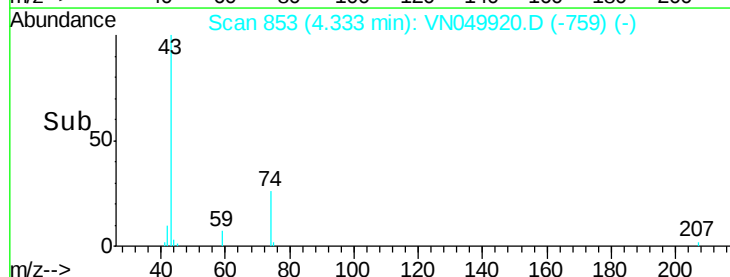
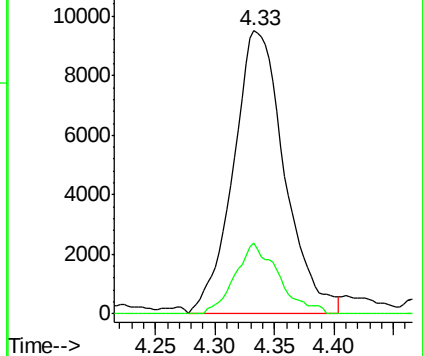
43 100

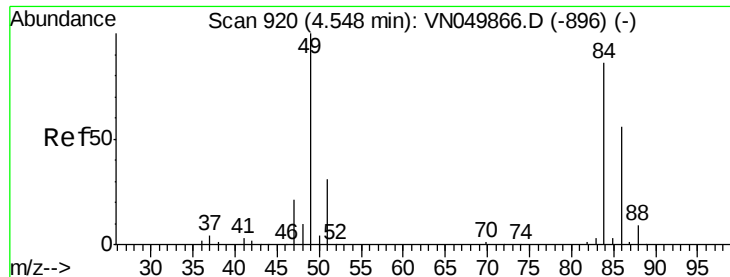
74 21.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049920.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN049920.D (-759) (-)

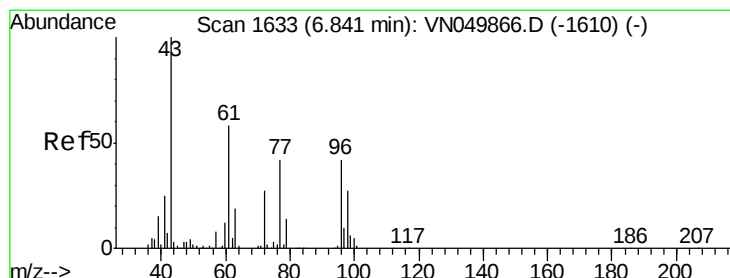
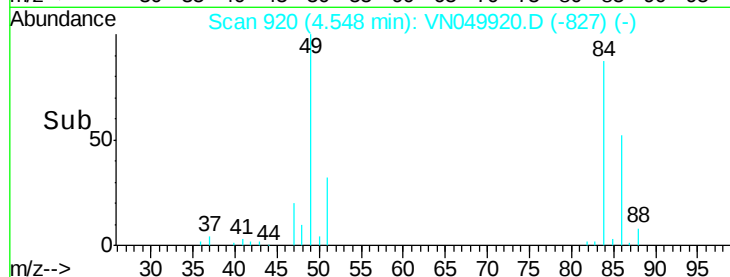
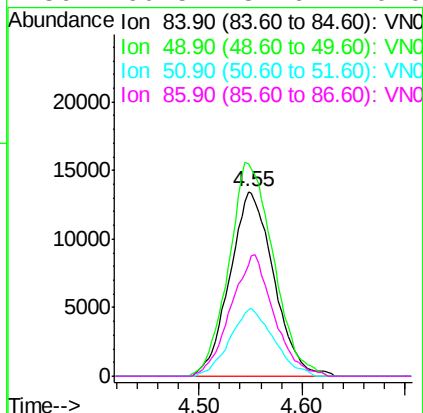
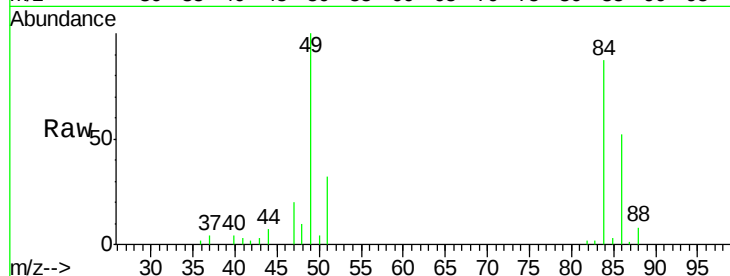




#20
Methvlene Chloride
Concen: 5.24 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

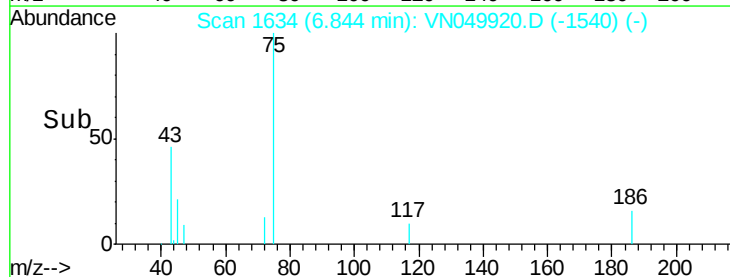
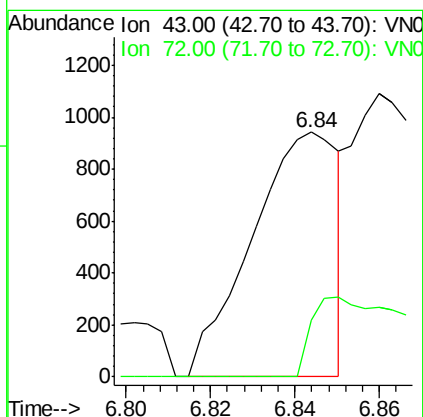
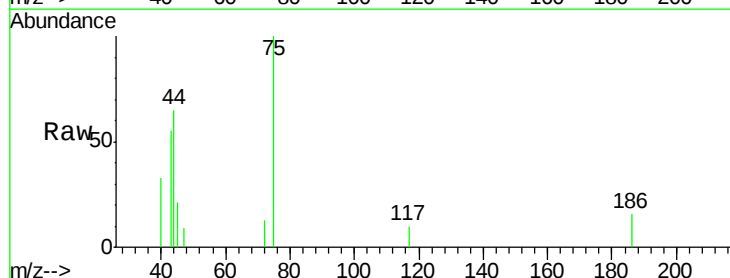
Instrument :
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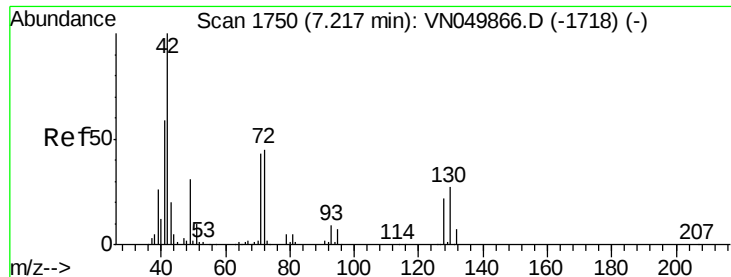
Tot Ion: 84 Resp: 39867
Ion Ratio Lower Upper
84 100
49 115.3 95.4 143.2
51 36.3 28.4 42.6
86 60.5 52.6 79.0



#25
2-Butanone
Concen: 0.47 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Tgt Ion: 43 Resp: 1338
Ion Ratio Lower Upper
43 100
72 23.4 22.1 33.1

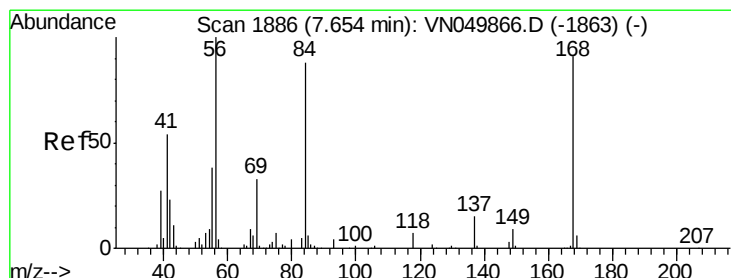
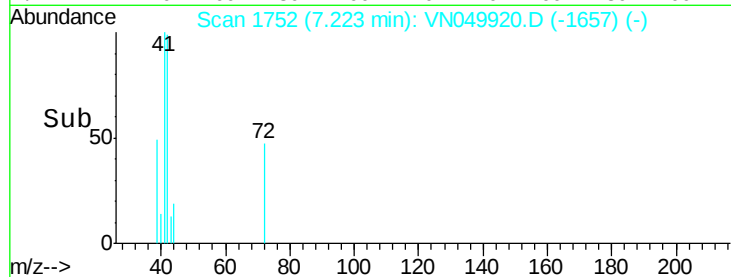
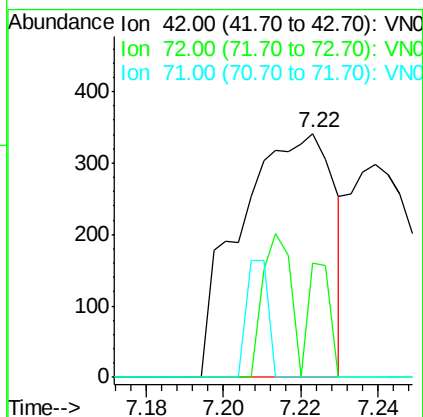
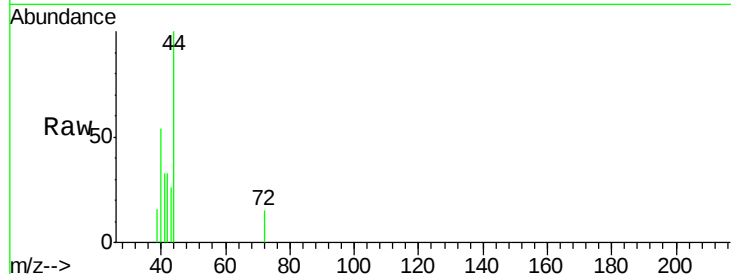




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

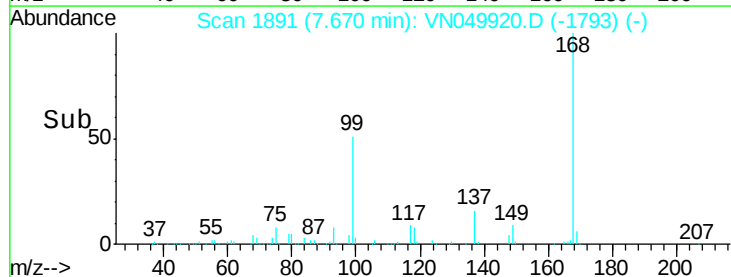
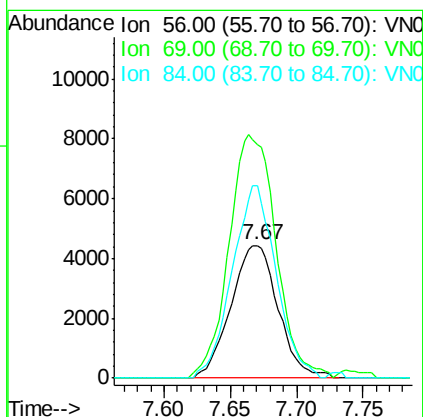
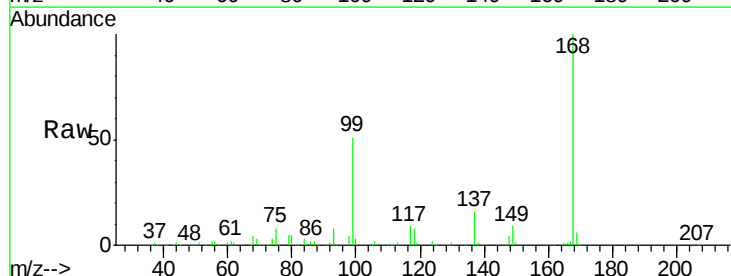
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#07

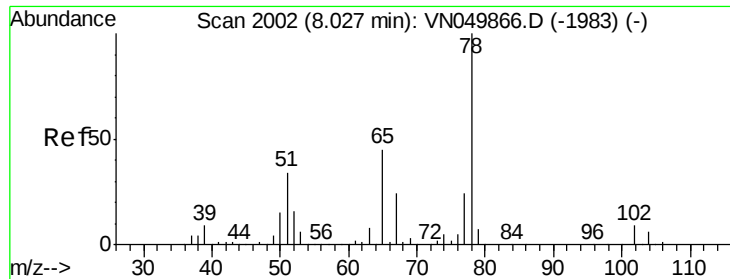
Tot Ion: 42 Resp: 574
Ion Ratio Lower Upper
42 100
72 10.6 35.6 53.4#
71 0.0 34.0 51.0#



#31
Cyclohexane
Concen: 1.07 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Tgt Ion: 56 Resp: 10969
Ion Ratio Lower Upper
56 100
69 176.0 26.6 40.0#
84 144.4 69.0 103.6#

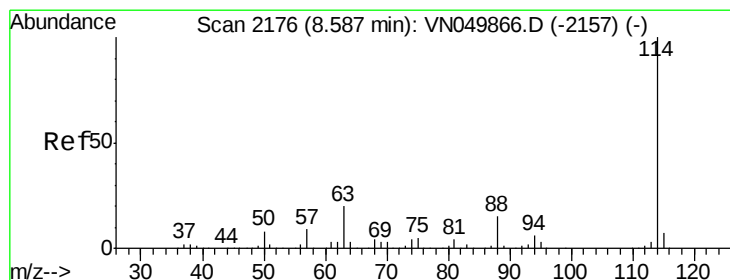
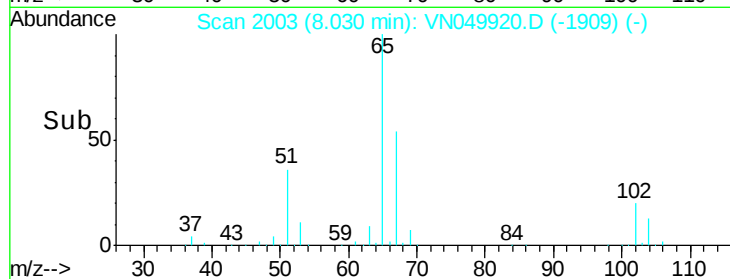
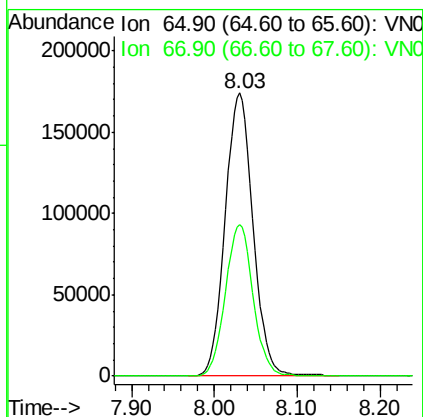
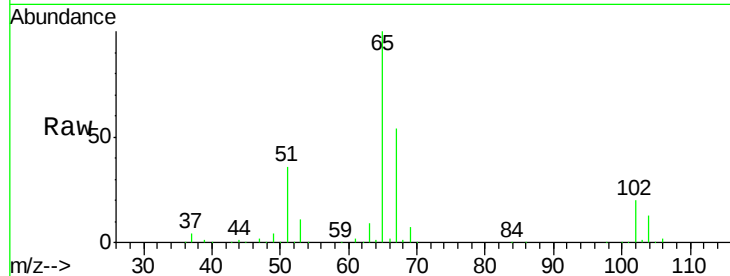




#33
 1,2-Dichloroethane-d4
 Concen: 52.80 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049920.D
 Acq: 19 Jul 2018 16:50

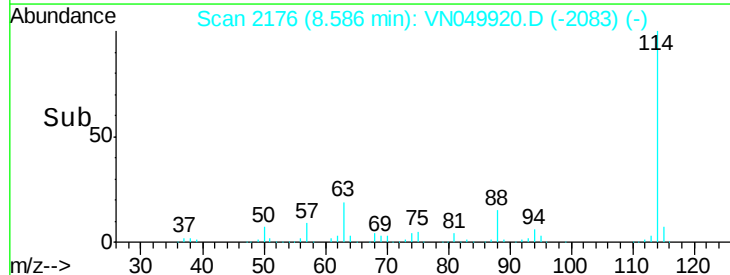
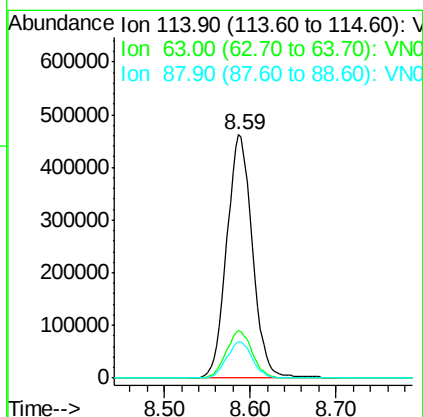
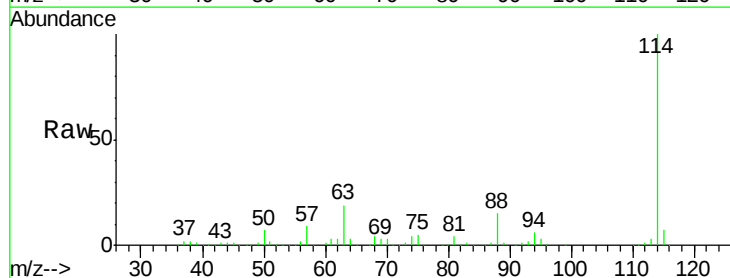
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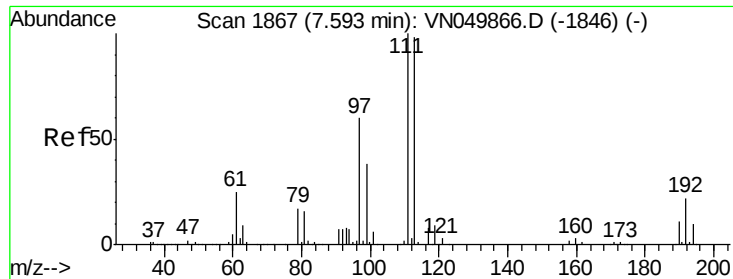
Tot Ion: 65 Resp: 408183
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049920.D
 Acq: 19 Jul 2018 16:50

Tgt Ion: 114 Resp: 957605
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.0 0.0 30.6

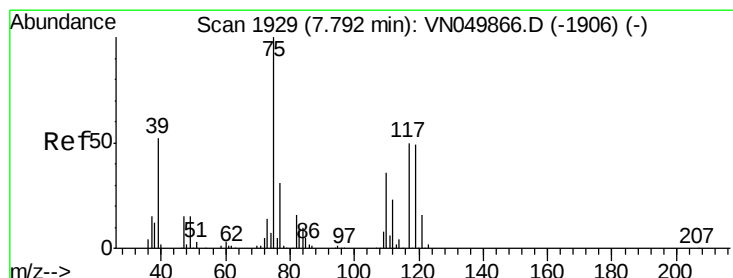
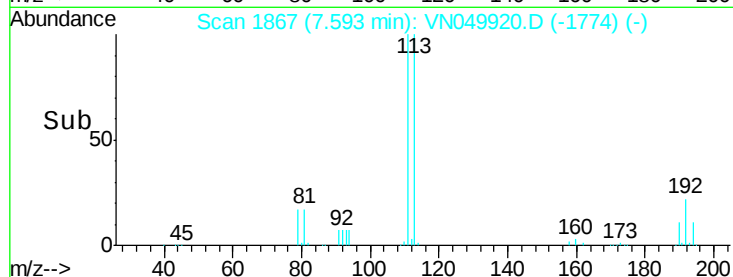
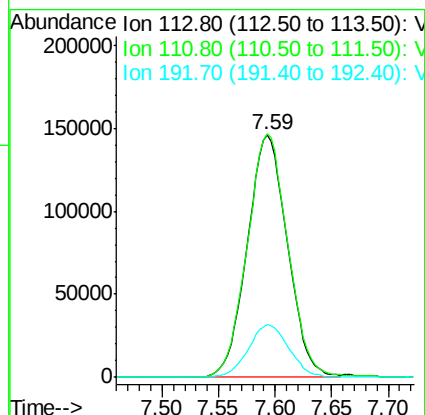
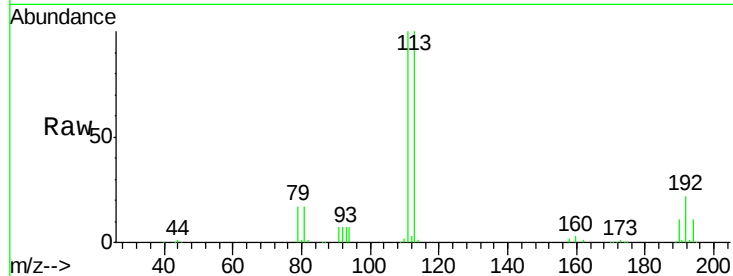




#35
Dibromofluoromethane
Concen: 44.87 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

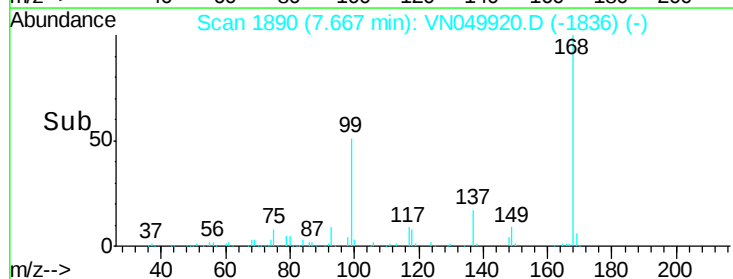
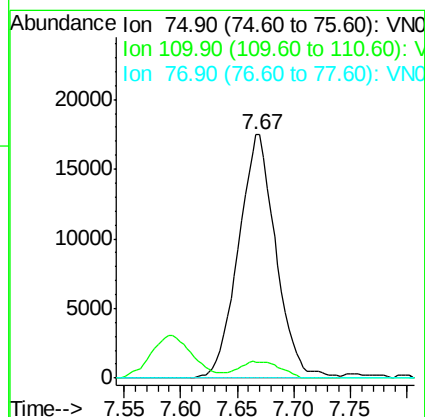
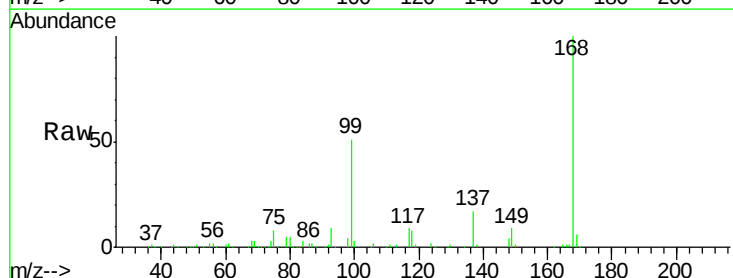
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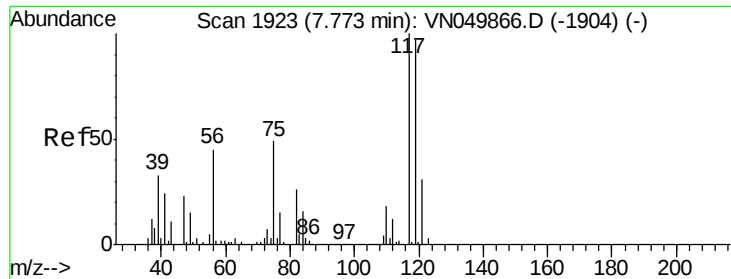
Tot Ion:113 Resp: 360752
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 22.1 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.79 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Tgt Ion: 75 Resp: 40349
Ion Ratio Lower Upper
75 100
110 7.5 18.1 54.4#
77 0.0 24.9 37.3#

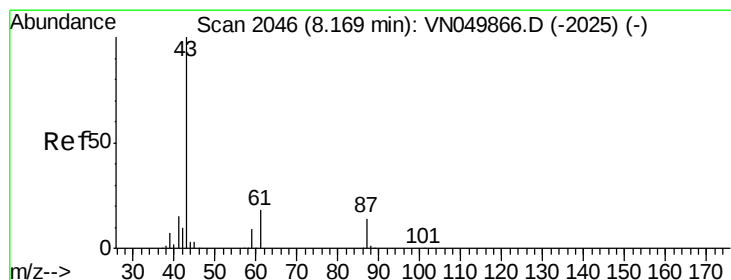
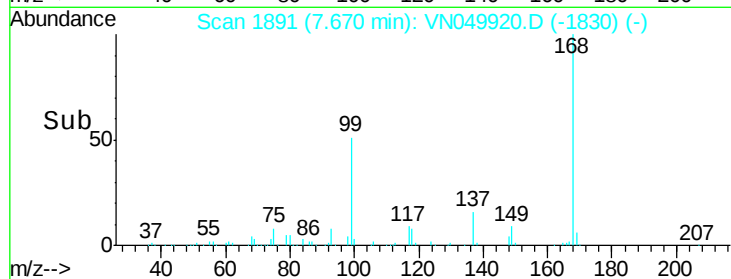
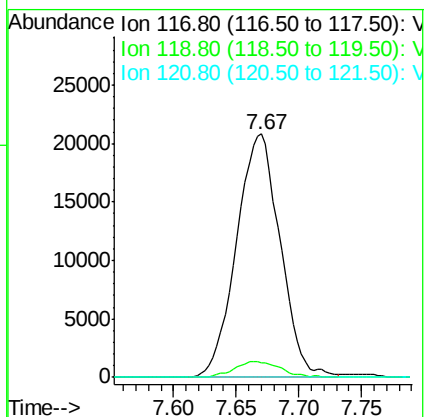
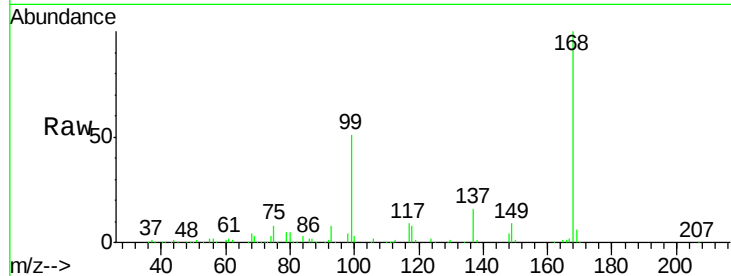




#38
Carbon Tetrachloride
Concen: 4.43 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.10 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

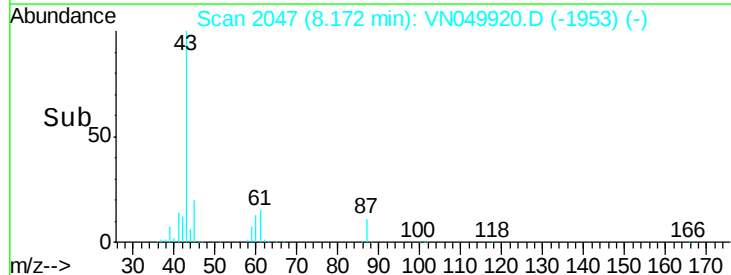
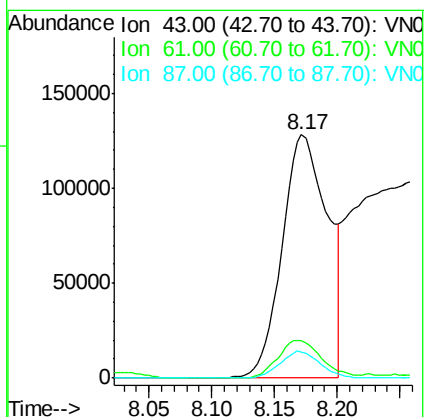
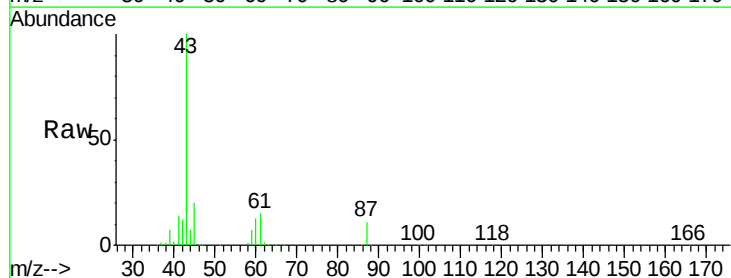
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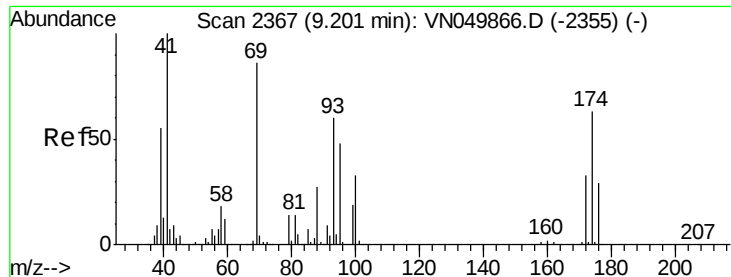
Tot Ion:117 Resp: 50514
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 25.22 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Tgt Ion: 43 Resp: 322183
Ion Ratio Lower Upper
43 100
61 14.9 14.9 22.3
87 9.9 10.0 15.0#

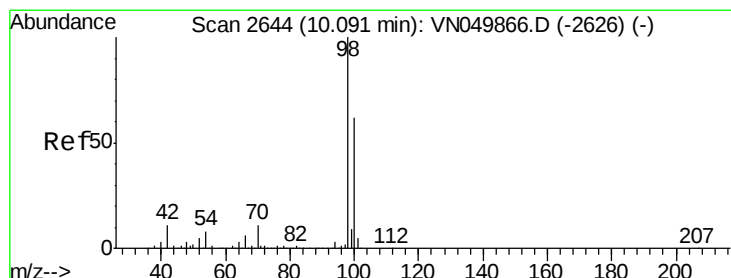
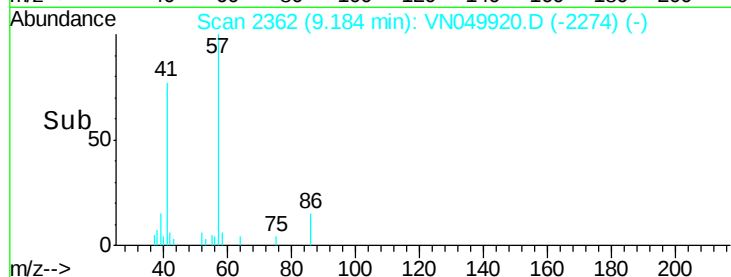
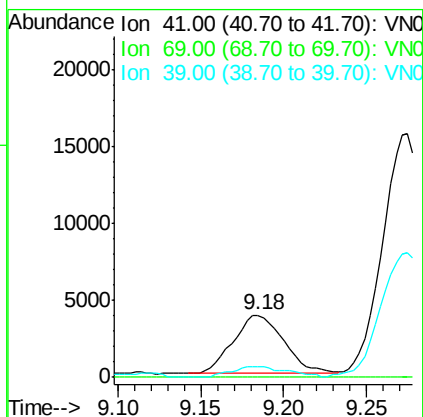
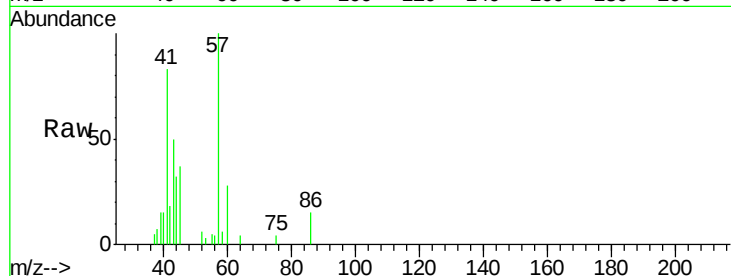




#48
Methvl methacrylate
Concen: 1.26 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

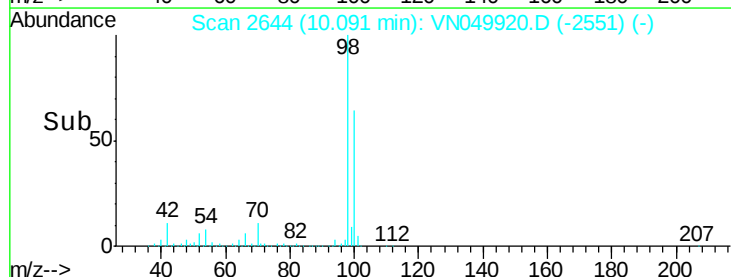
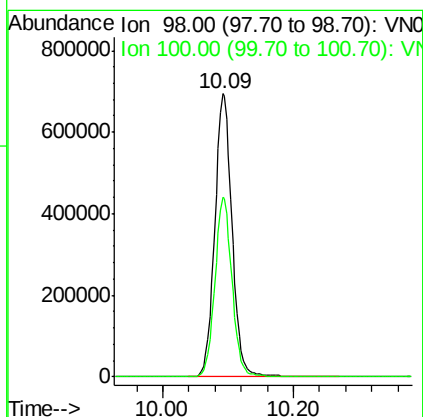
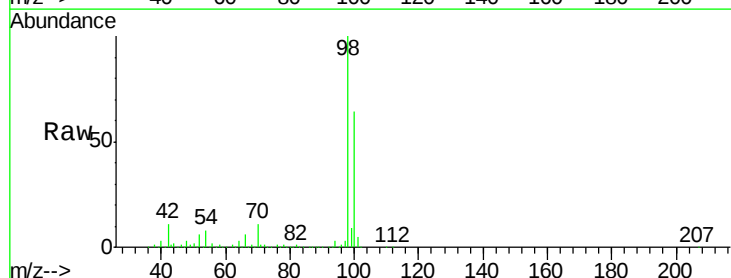
Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#07

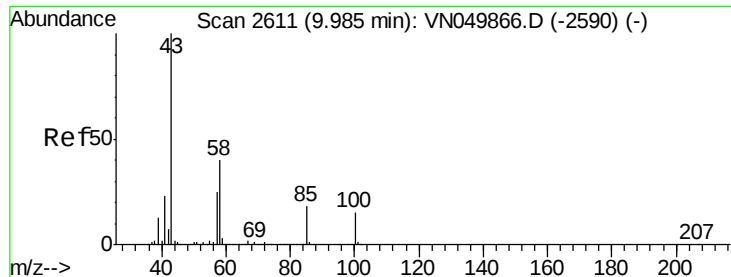
Tot Ion: 41 Resp: 8095
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 20.7 44.7 67.1#



#50
Toluene-d8
Concen: 43.62 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Tgt Ion: 98 Resp: 1277657
Ion Ratio Lower Upper
98 100
100 62.7 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.35 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.01 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

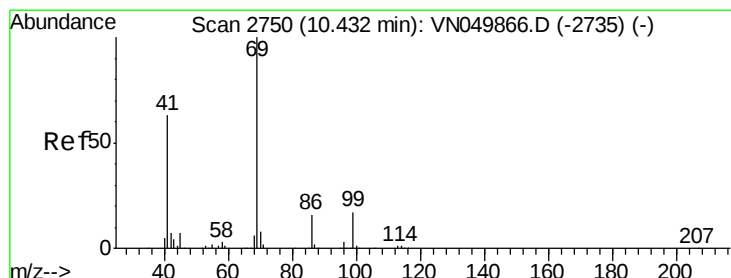
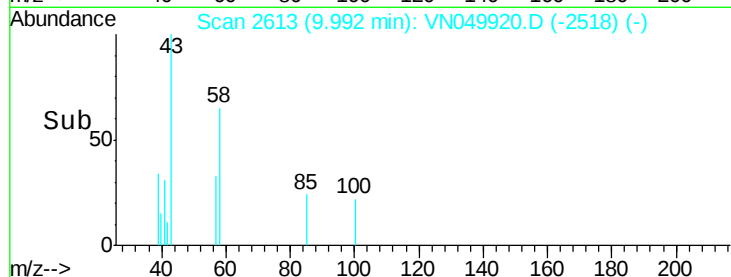
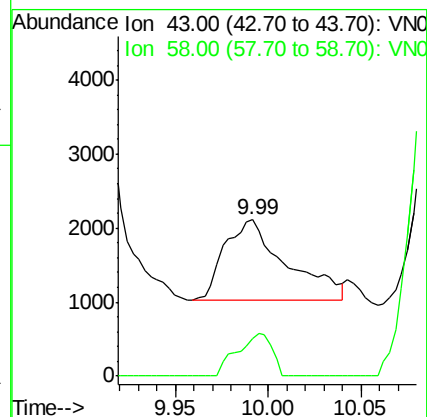
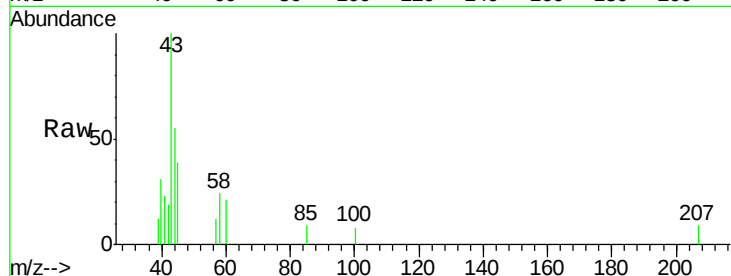
PB111251ZHE#07

Tot Ion: 43 Resp: 2505

Ion Ratio Lower Upper

43 100

58 29.4 31.8 47.8#



#56

Ethyl methacrylate

Concen: 2.40 ug/l

RT: 10.23 min Scan# 2688

Delta R.T. -0.20 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

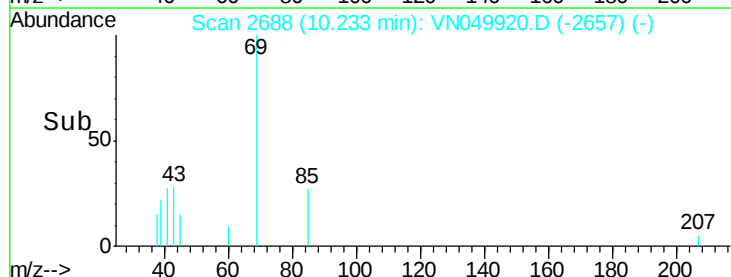
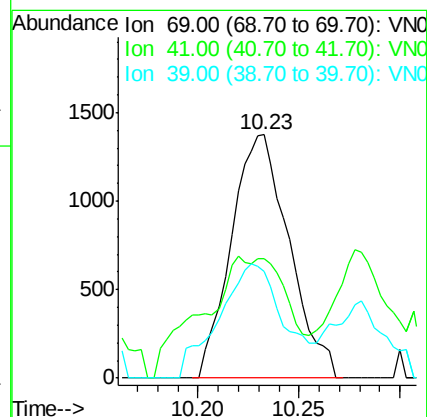
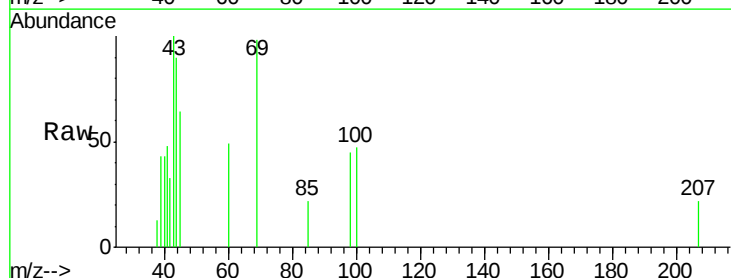
Tgt Ion: 69 Resp: 2754

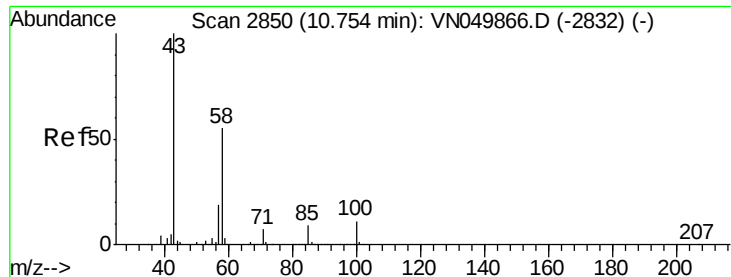
Ion Ratio Lower Upper

69 100

41 43.8 51.6 77.4#

39 52.0 25.8 38.8#





#59

2-Hexanone

Concen: 4.23 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

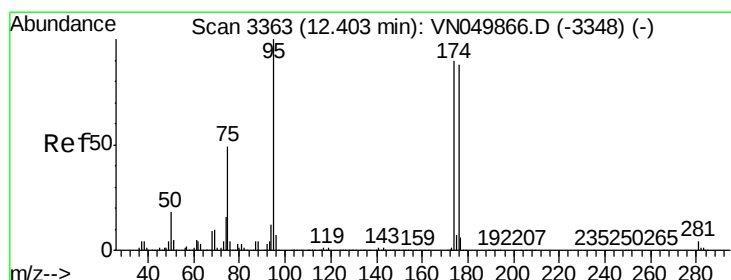
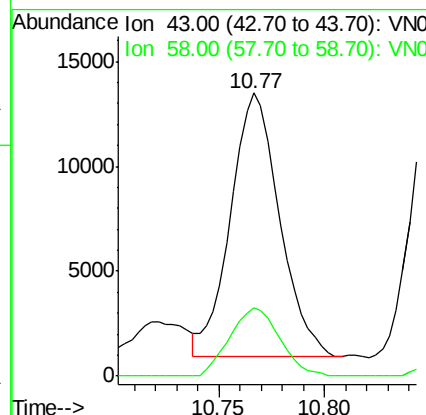
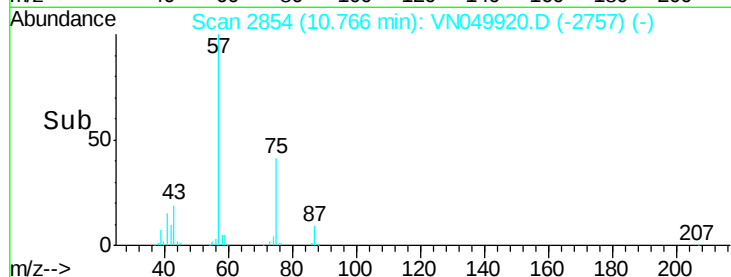
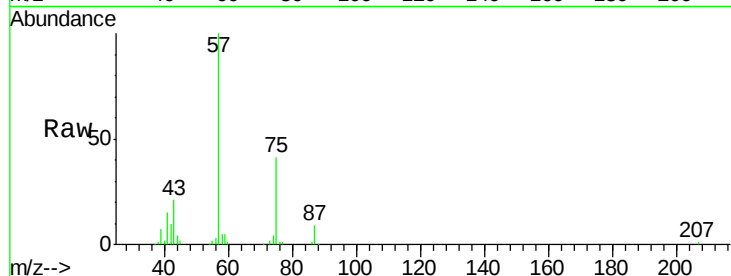
PB111251ZHE#07

Tot Ion: 43 Resp: 20306

Ion Ratio Lower Upper

43 100

58 26.5 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.74 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

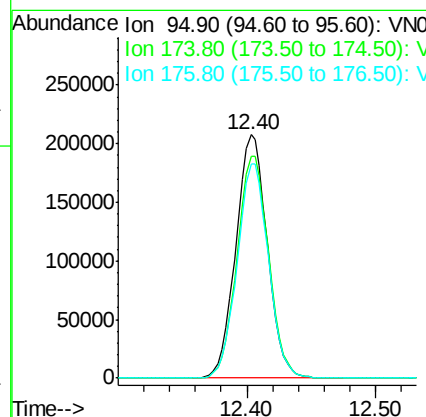
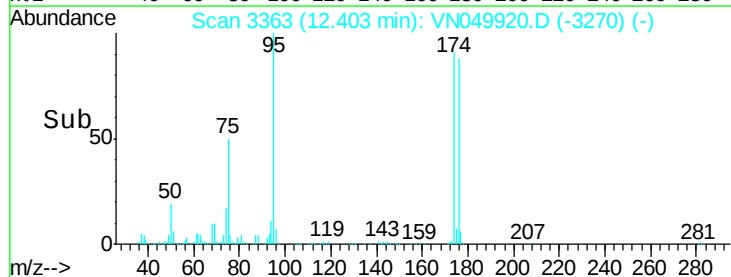
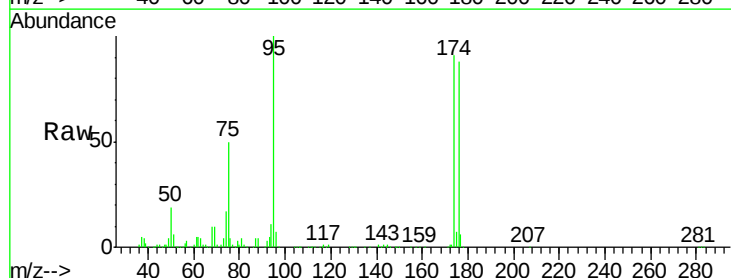
Tgt Ion: 95 Resp: 350438

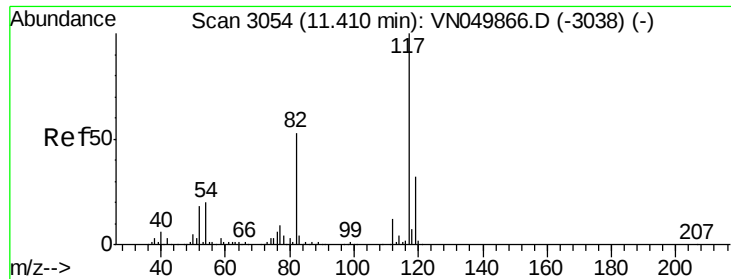
Ion Ratio Lower Upper

95 100

174 92.0 0.0 179.6

176 87.9 0.0 174.0

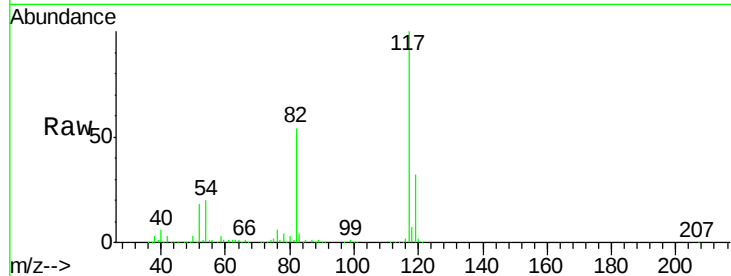




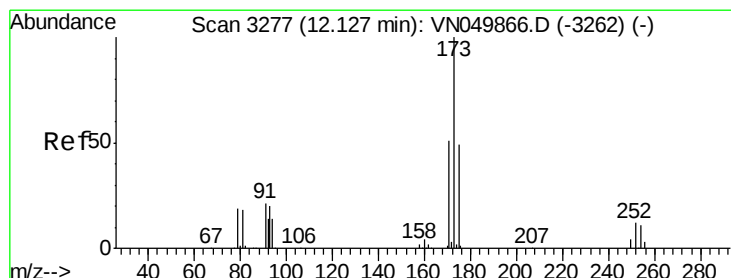
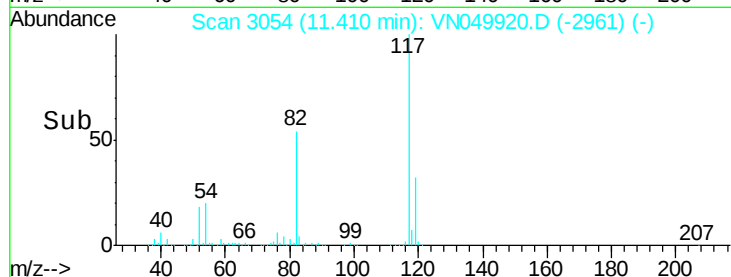
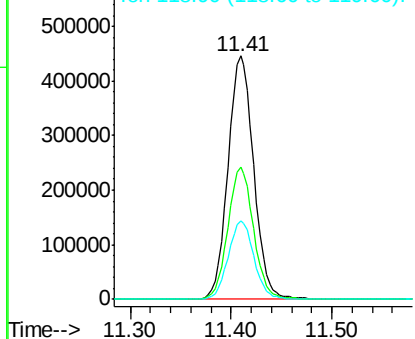
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#07

Tot Ion:117 Resp: 794884
Ion Ratio Lower Upper
117 100
82 54.1 41.9 62.9
119 32.0 25.4 38.2

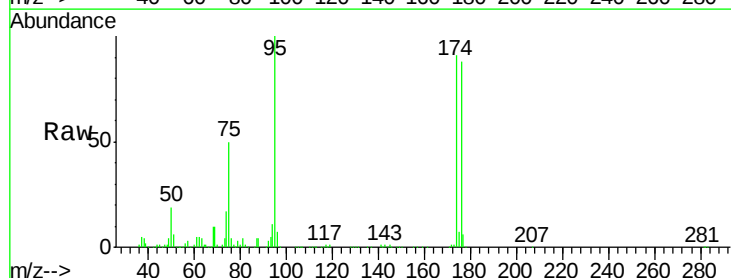


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

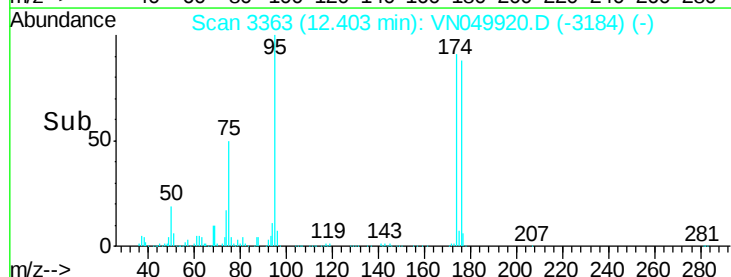
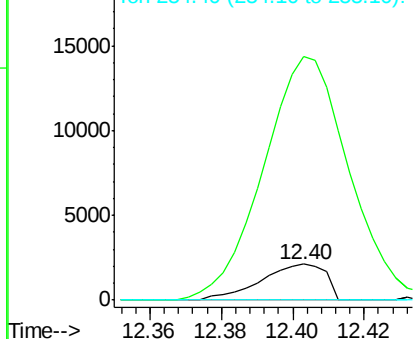


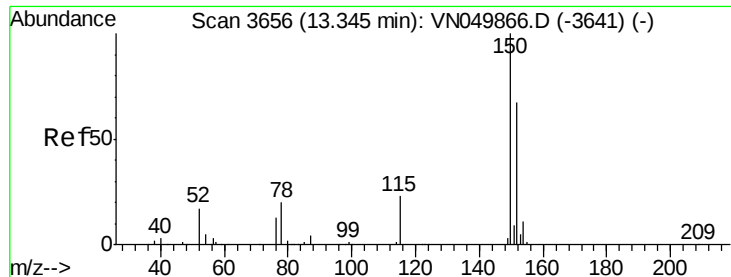
#71
Bromoform
Concen: 0.48 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Tgt Ion:173 Resp: 2671
Ion Ratio Lower Upper
173 100
175 736.4 24.6 73.8#
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#07

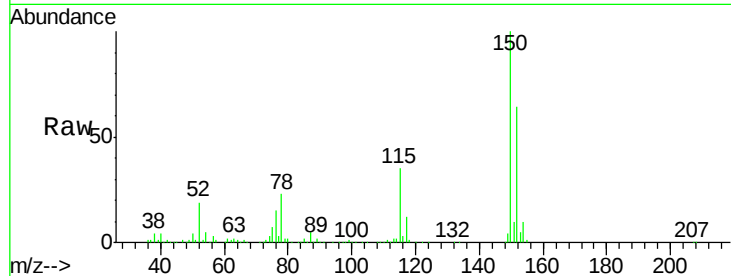
Tot Ion:152 Resp: 301156

Ion Ratio Lower Upper

152 100

115 55.6 28.1 84.2

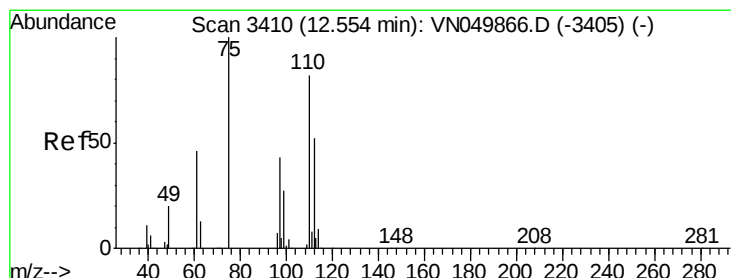
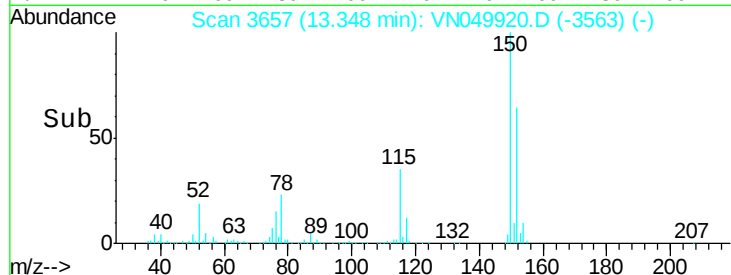
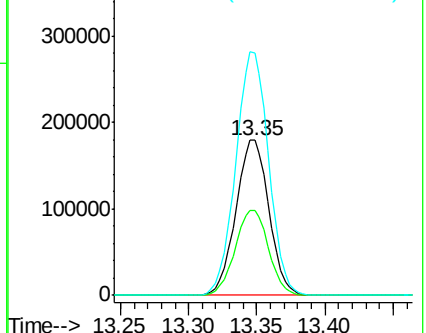
150 156.2 0.0 347.6



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: 30.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049920.D

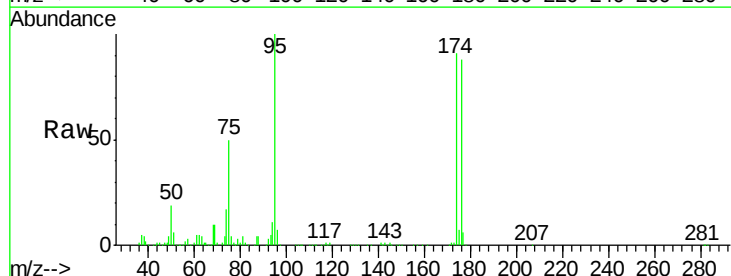
Acq: 19 Jul 2018 16:50

Tgt Ion: 75 Resp: 173411

Ion Ratio Lower Upper

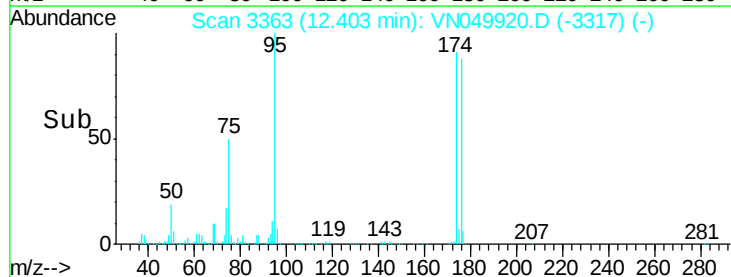
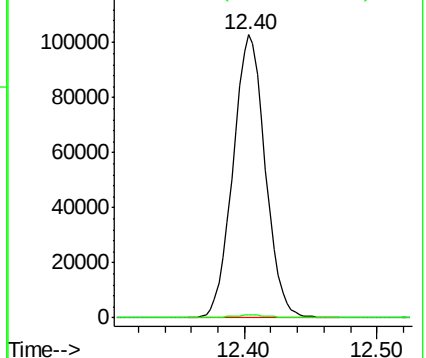
75 100

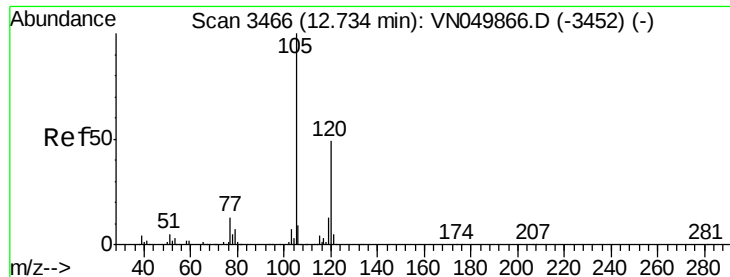
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.21 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

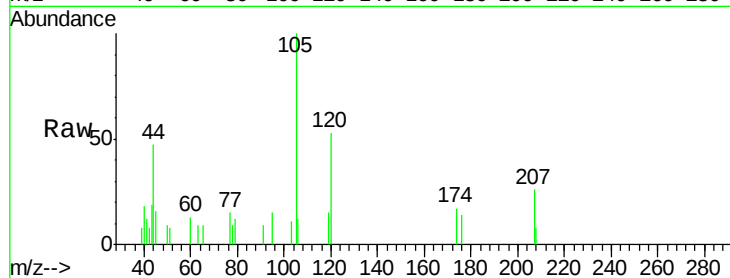
PB111251ZHE#07

Tot Ion:105 Resp: 3824

Ion Ratio Lower Upper

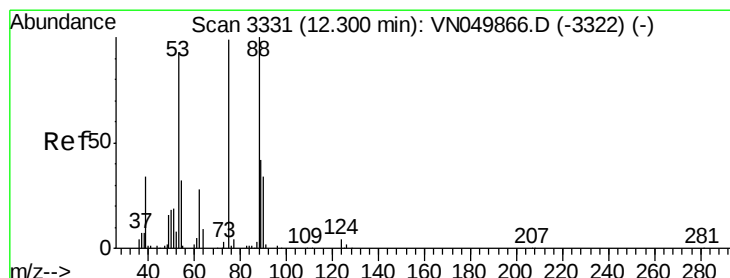
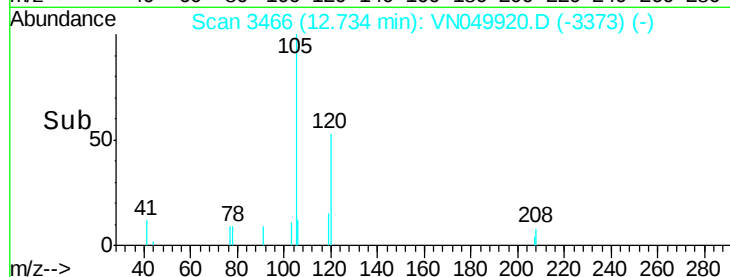
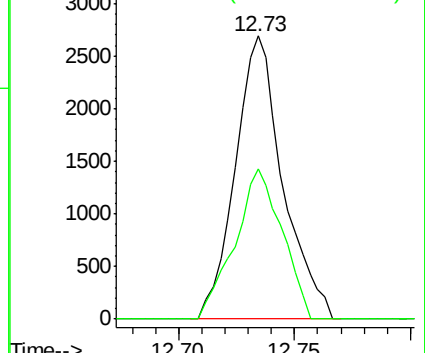
105 100

120 52.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 95.98 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

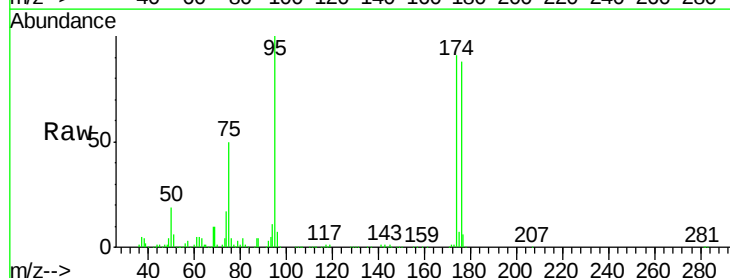
Tgt Ion: 75 Resp: 173411

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

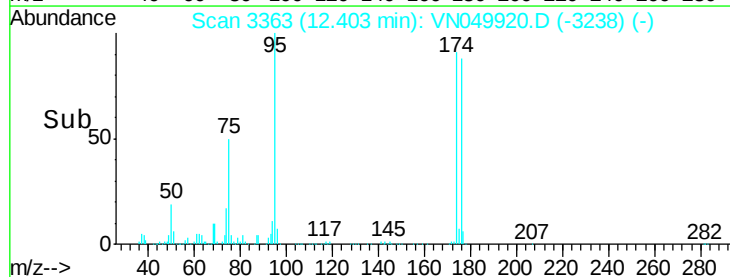
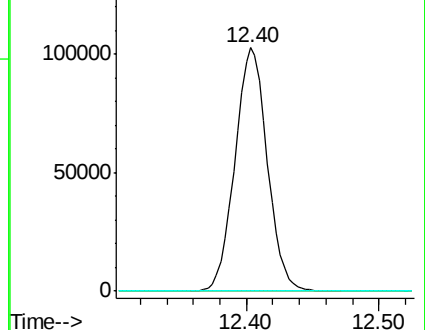
89 0.0 35.9 53.9#

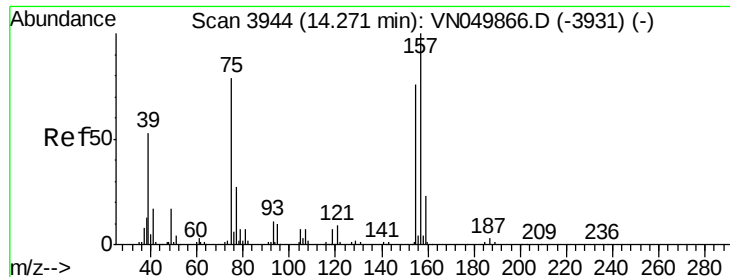


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.24 ug/l

RT: 14.25 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

Instrument :

MSVOA_N

ClientSampleId :

PB111251ZHE#07

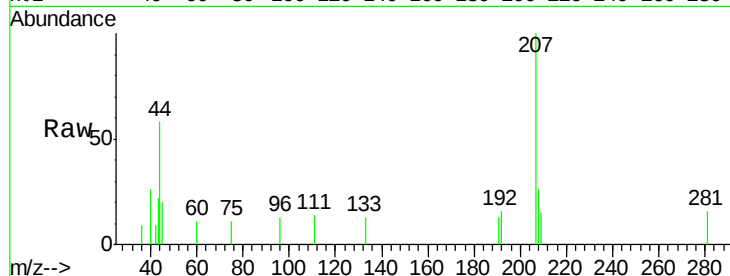
Tot Ion: 75 Resp: 251

Ion Ratio Lower Upper

75 100

155 0.0 45.7 137.1#

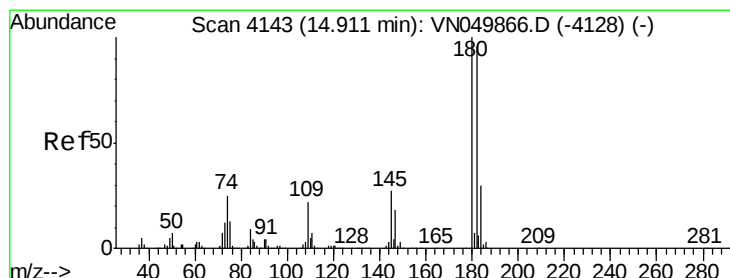
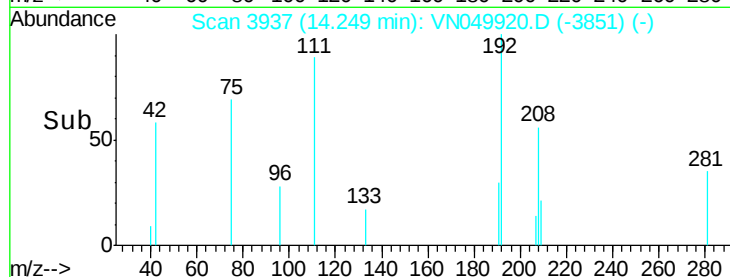
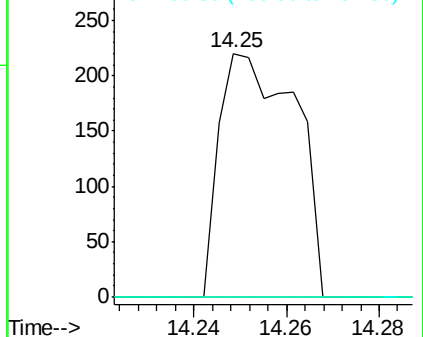
157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 3.49 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049920.D

Acq: 19 Jul 2018 16:50

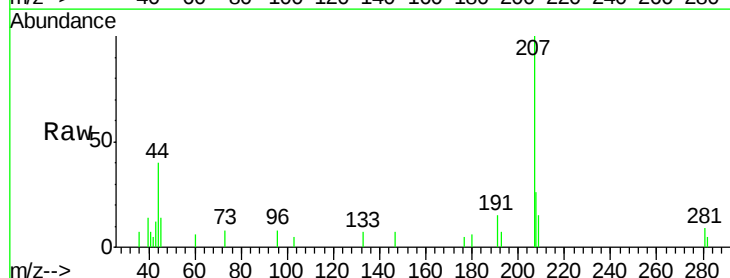
Tgt Ion: 180 Resp: 100

Ion Ratio Lower Upper

180 100

182 0.0 47.3 141.9#

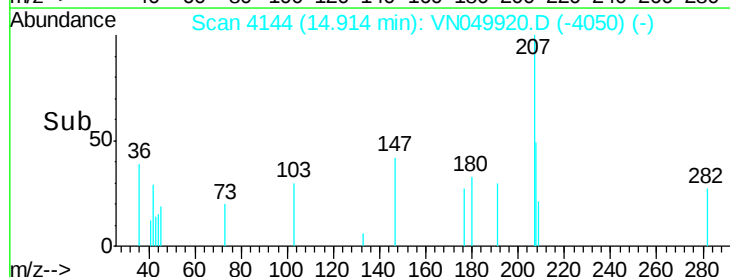
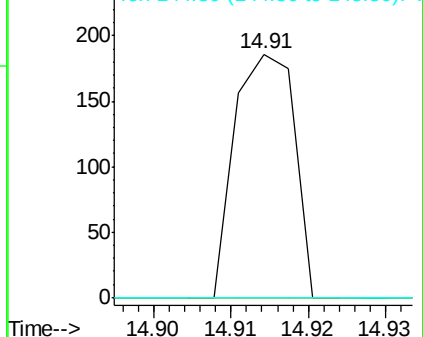
145 0.0 14.4 43.0#

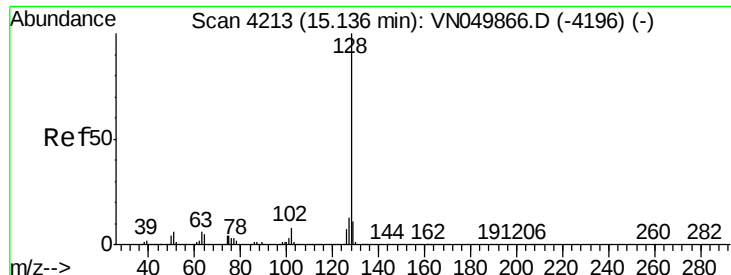


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95
Naphthalene
Concen: 4.51 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049920.D
Acq: 19 Jul 2018 16:50

Instrument :
MSVOA_N
ClientSampleId :
PB111251ZHE#07

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.6	13.0#

