

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049881.D
 Acq On : 18 Jul 2018 18:55
 Operator : MD\SY
 Sample : PB111206ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 01:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	568648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	946514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	798533	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292386	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	413480	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	7.59	113	358890	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	
50) Toluene-d8	10.09	98	1270834	43.90	ug/l	0.00
Spiked Amount			Recovery	=	87.80%	
62) 4-Bromofluorobenzene	12.40	95	347159	34.82	ug/l	0.00
Spiked Amount			Recovery	=	69.64%	

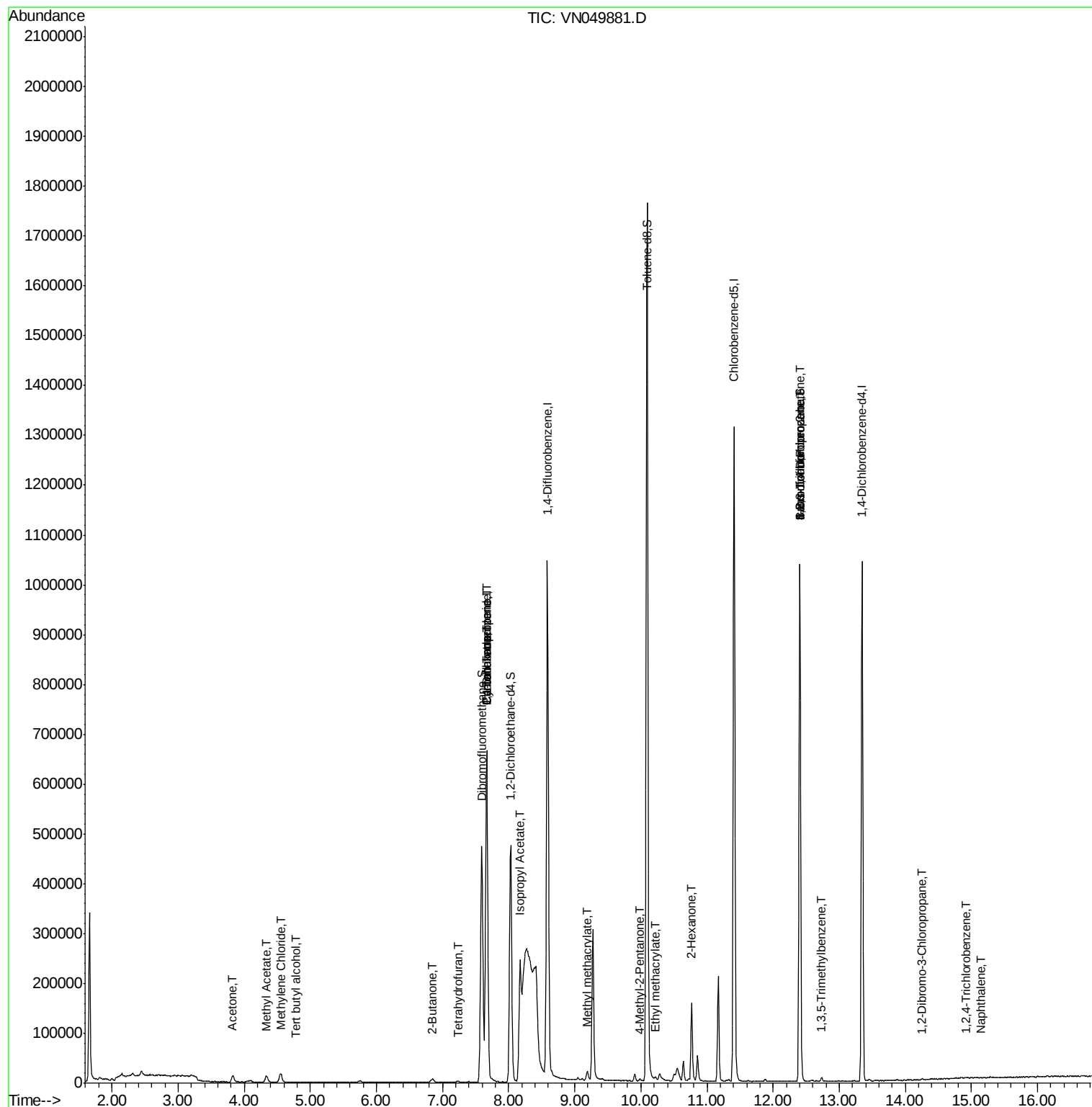
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	63	Below Cal	#	44
5) Bromomethane	2.57	94	453	Below Cal	#	31
11) Tert butyl alcohol	4.78	59	137	0.25	ug/l	72
16) Acetone	3.82	43	22506	11.12	ug/l	100
18) Methyl Acetate	4.34	43	23254	2.88	ug/l	100
20) Methylene Chloride	4.55	84	13391	1.74	ug/l	95
25) 2-Butanone	6.86	43	5782	2.00	ug/l	98
29) Tetrahydrofuran	7.22	42	2124	1.17	ug/l	# 51
31) Cyclohexane	7.66	56	10410	1.00	ug/l	# 1
36) 1,1-Dichloropropene	7.66	75	39261	3.73	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	51085	4.53	ug/l	# 17
43) Isopropyl Acetate	8.17	43	290381	23.00	ug/l	97
48) Methyl methacrylate	9.19	41	10028	1.58	ug/l	# 21
51) 4-Methyl-2-Pentanone	9.99	43	2720	0.39	ug/l	94
56) Ethyl methacrylate	10.23	69	3351	2.46	ug/l	# 41
59) 2-Hexanone	10.77	43	21643	4.57	ug/l	# 58
71) Bromoform	12.40	173	2426	0.44	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	171710	31.31	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.74	105	3716	0.21	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	171710	97.89	ug/l	# 13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	281	0.27	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.91	180	272	3.52	ug/l	# 66
95) Naphthalene	15.14	128	692	4.54	ug/l	# 69

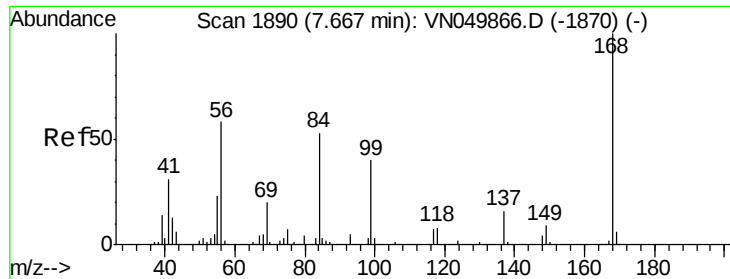
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN071818\
Data File : VN049881.D
Acq On : 18 Jul 2018 18:55
Operator : MD\SY
Sample : PB111206ZHE#13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 19 01:21:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 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: VN049881.D

Acq: 18 Jul 2018 18:55

Instrument :

MSVOA_N

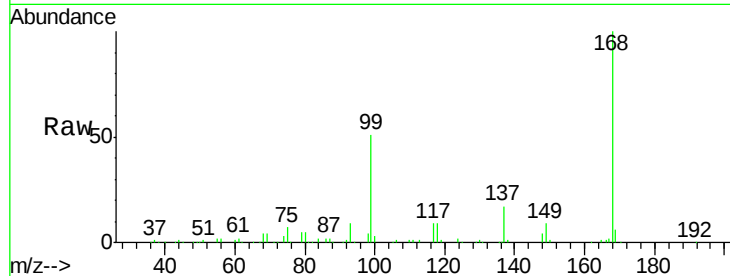
ClientSampled :

Tot Ion:168 Resp: 568648

Ion Ratio Lower Upper

168 100

99 51.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): VN049866.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN049866.D (-1870) (-)

7.67

250000

200000

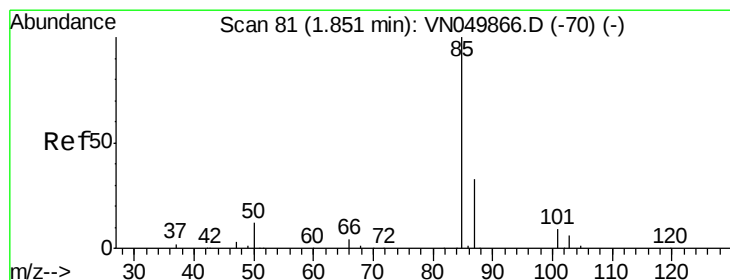
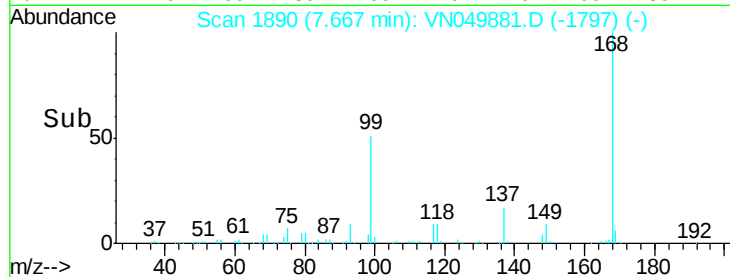
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049881.D

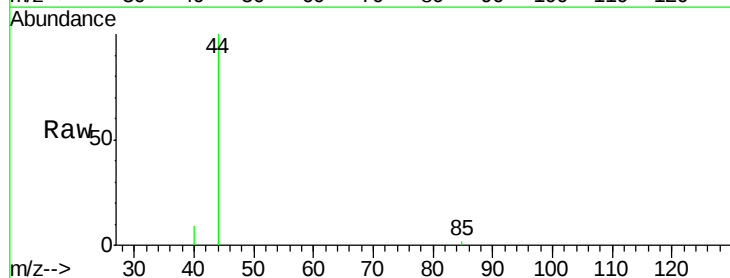
Acq: 18 Jul 2018 18:55

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN049866.D (-70) (-)

Ion 86.90 (86.60 to 87.60): VN049866.D (-70) (-)

1.85

200

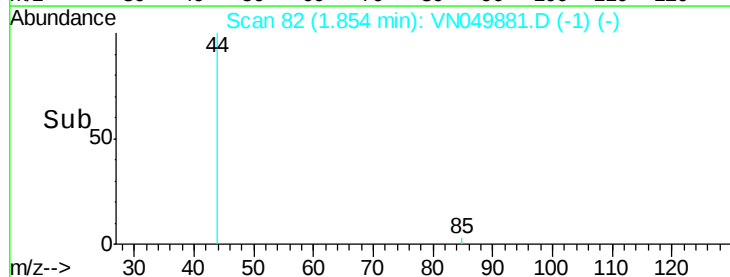
150

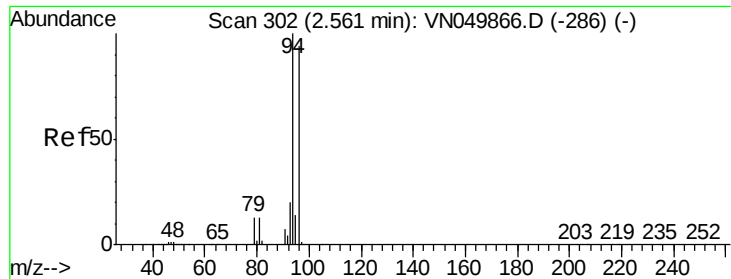
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049881.D

Acq: 18 Jul 2018 18:55

Instrument :

MSVOA_N

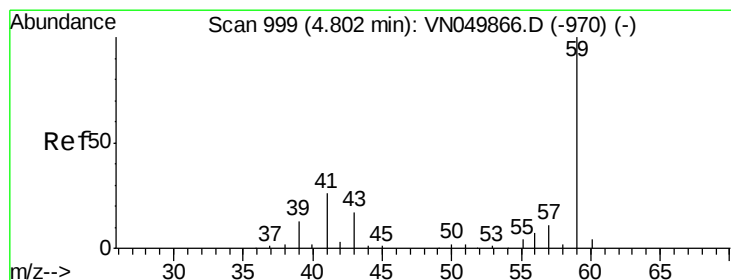
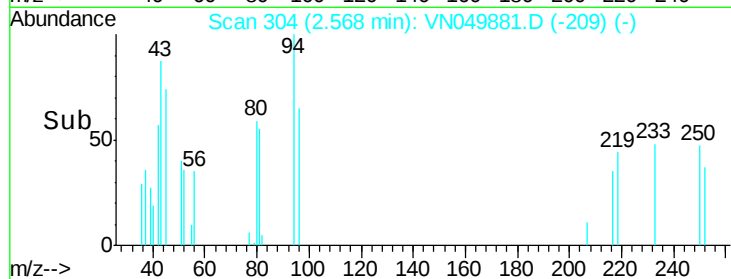
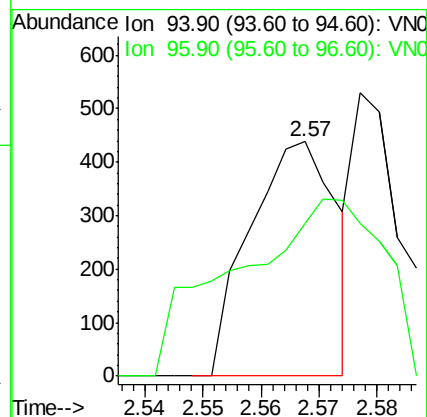
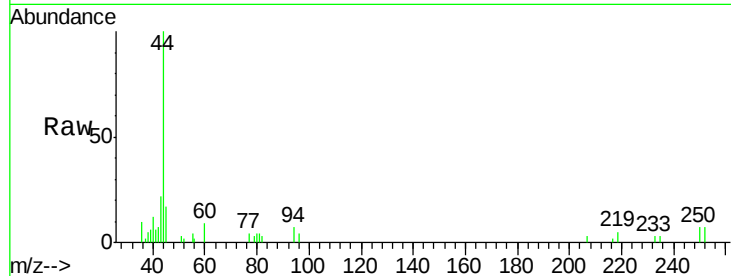
ClientSampled :

Tot Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 27.4 75.7 113.5#



#11

Tert butyl alcohol

Concen: 0.25 ug/l

RT: 4.78 min Scan# 991

Delta R.T. -0.03 min

Lab File: VN049881.D

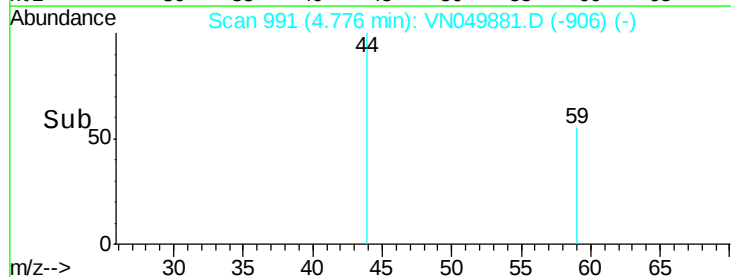
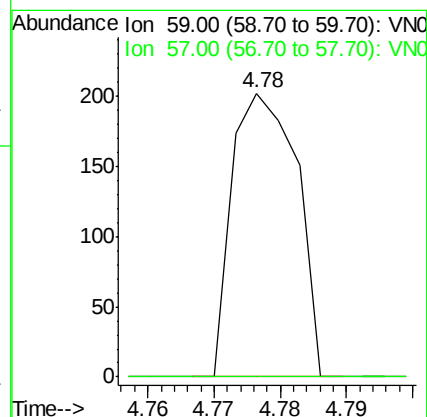
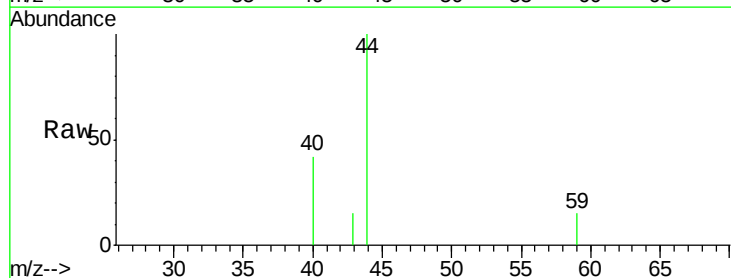
Acq: 18 Jul 2018 18:55

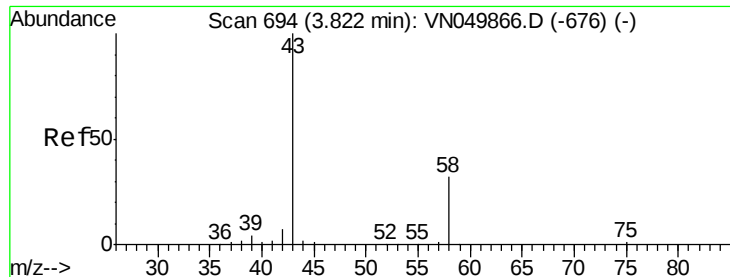
Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 11.12 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049881.D

Acq: 18 Jul 2018 18:55

Instrument :

MSVOA_N

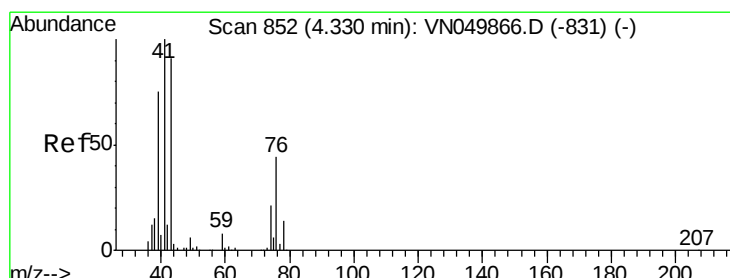
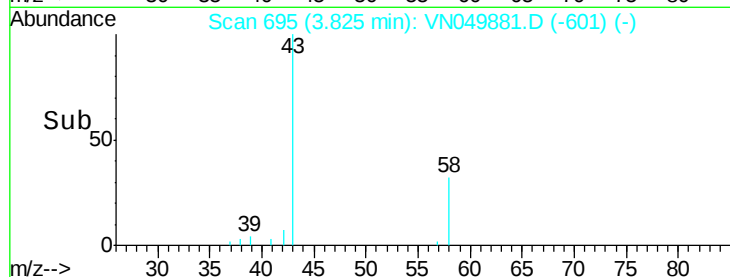
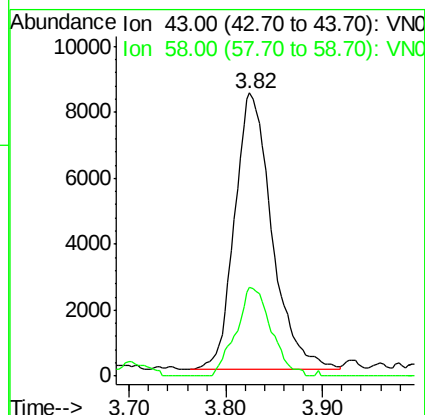
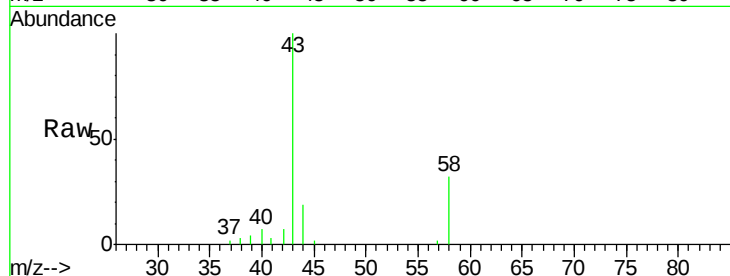
ClientSampleId :

Tot Ion: 43 Resp: 22506

Ion Ratio Lower Upper

43 100

58 32.3 25.9 38.9



#18

Methyl Acetate

Concen: 2.88 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049881.D

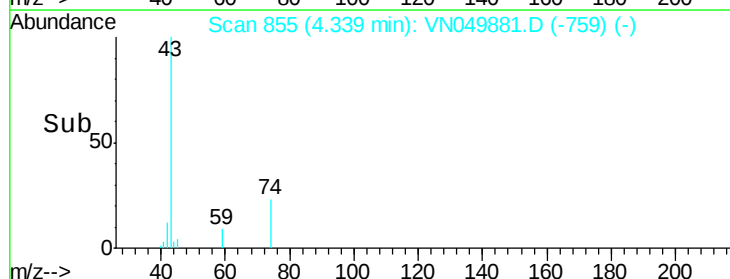
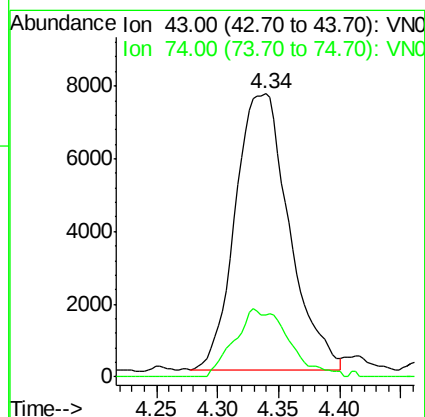
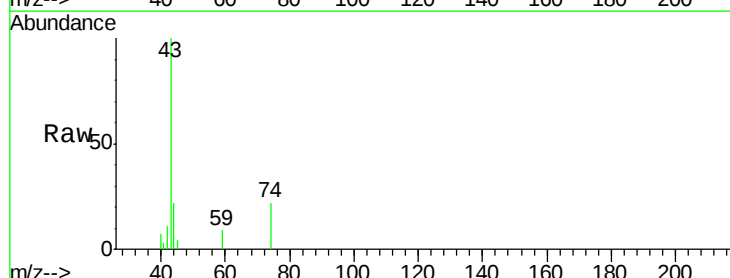
Acq: 18 Jul 2018 18:55

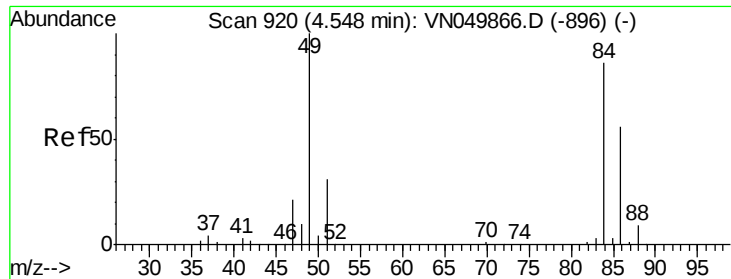
Tgt Ion: 43 Resp: 23254

Ion Ratio Lower Upper

43 100

74 24.8 19.8 29.8

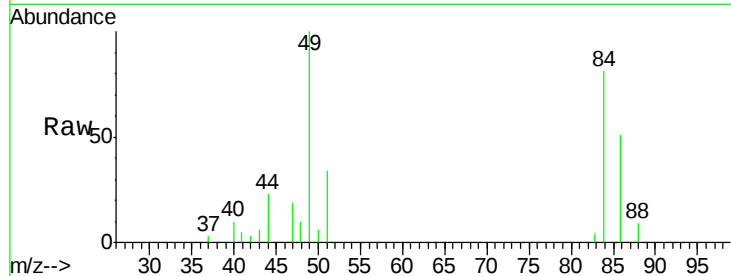




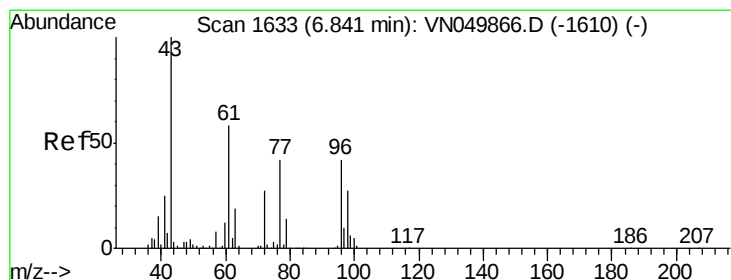
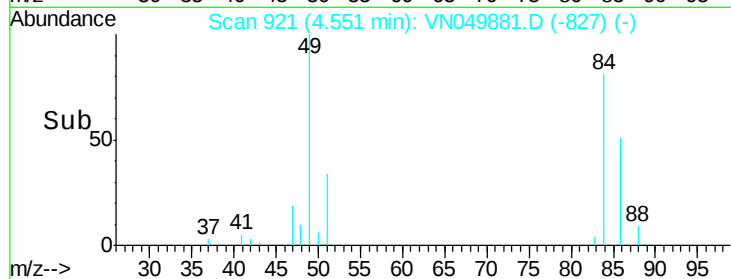
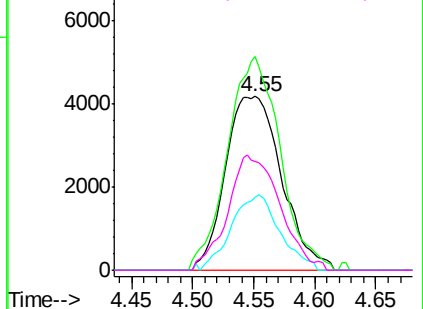
#20
Methvlene Chloride
Concen: 1.74 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 13391
Ion Ratio Lower Upper
84 100
49 123.1 95.4 143.2
51 42.2 28.4 42.6
86 62.7 52.6 79.0

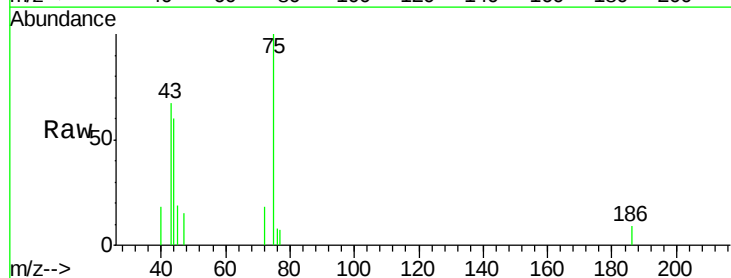


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

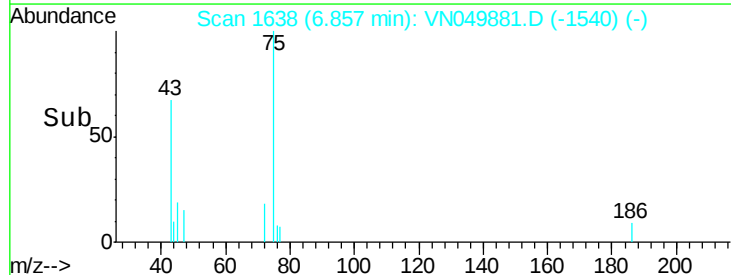
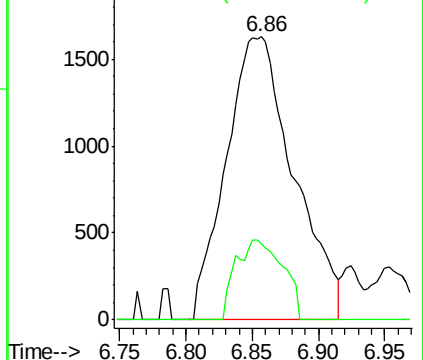


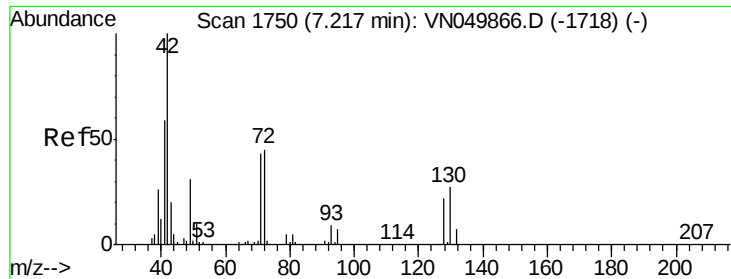
#25
2-Butanone
Concen: 2.00 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Tgt Ion: 43 Resp: 5782
Ion Ratio Lower Upper
43 100
72 26.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#29

Tetrahydrofuran

Concen: 1.17 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VN049881.D

Acq: 18 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

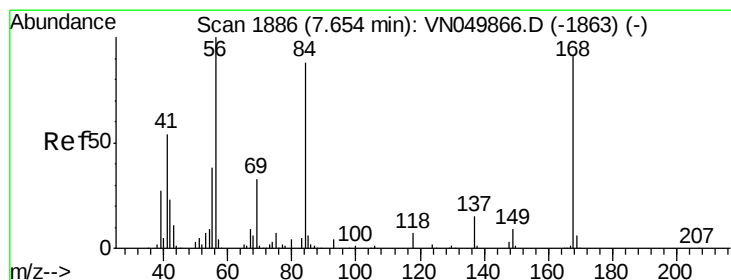
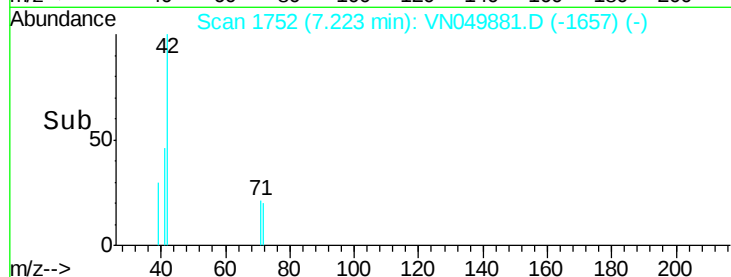
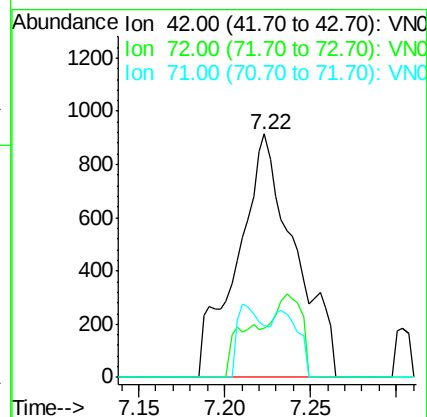
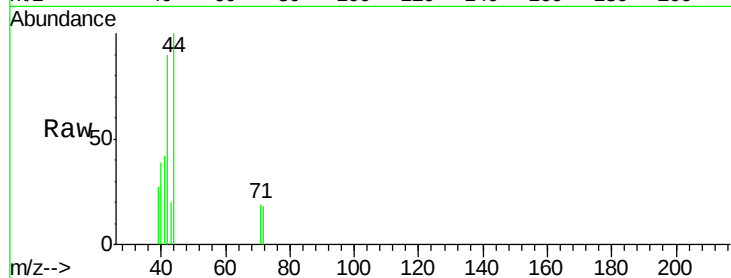
Tot Ion: 42 Resp: 2124

Ion Ratio Lower Upper

42 100

72 9.8 35.6 53.4#

71 14.4 34.0 51.0#



#31

Cyclohexane

Concen: 1.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049881.D

Acq: 18 Jul 2018 18:55

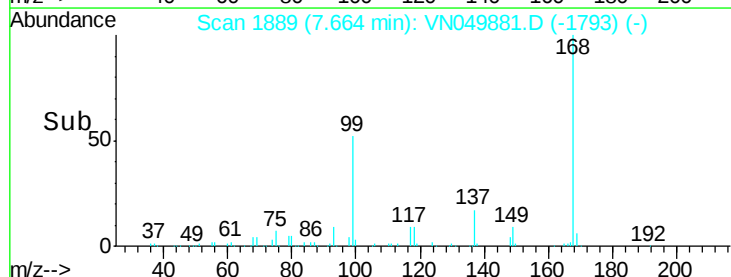
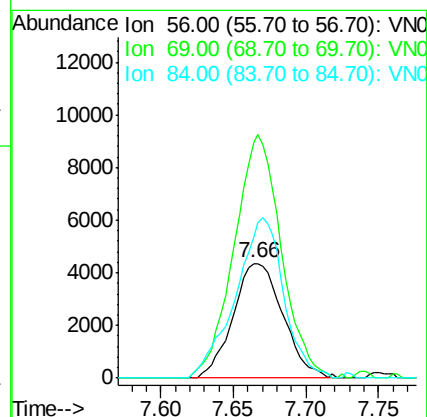
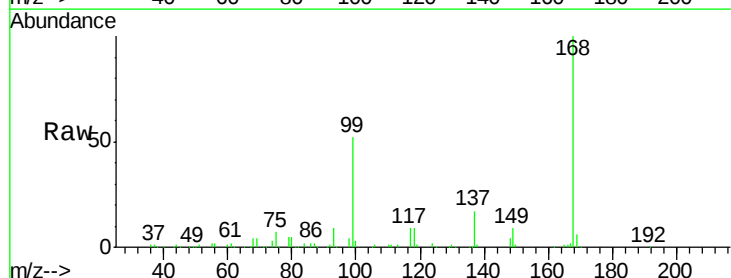
Tgt Ion: 56 Resp: 10410

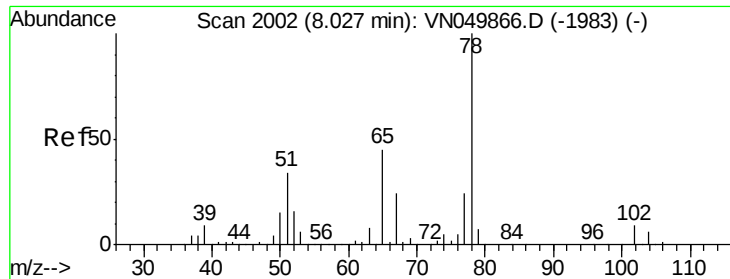
Ion Ratio Lower Upper

56 100

69 202.0 26.6 40.0#

84 122.8 69.0 103.6#

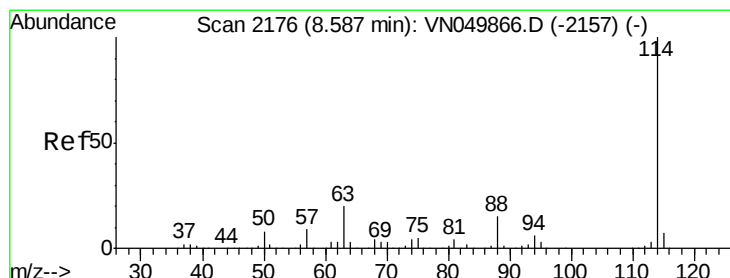
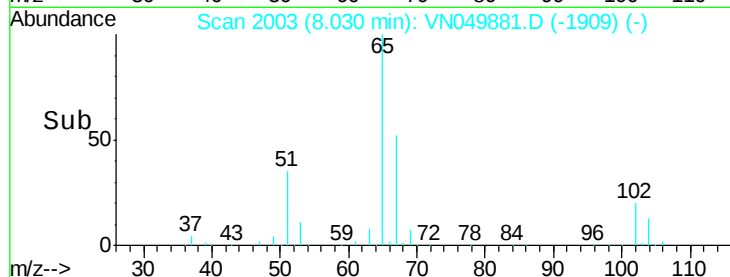
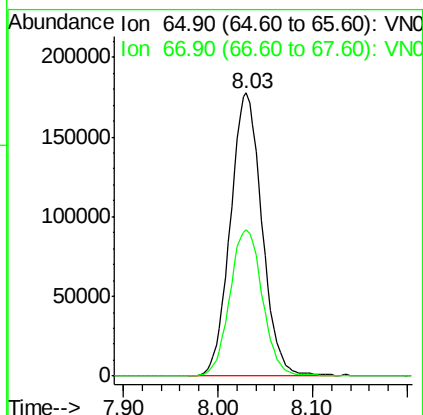
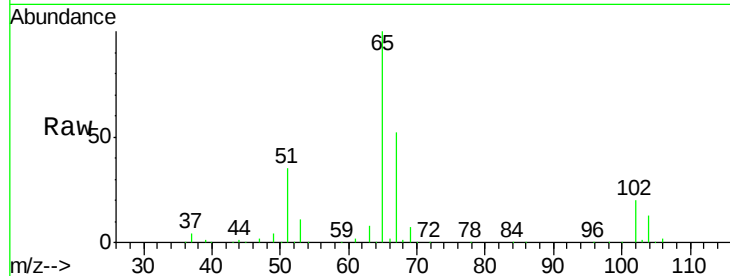




#33
 1,2-Dichloroethane-d4
 Concen: 52.90 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049881.D
 Acq: 18 Jul 2018 18:55

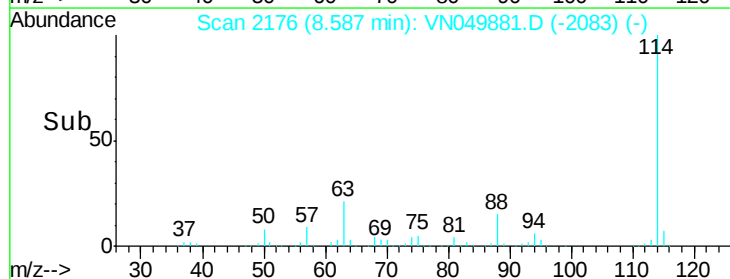
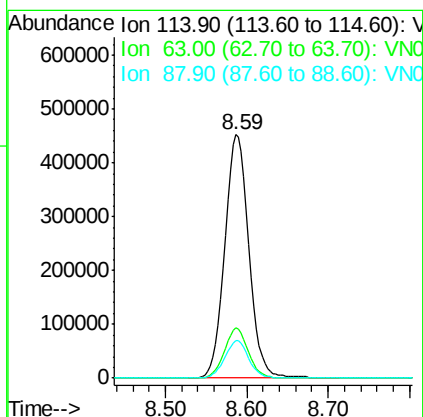
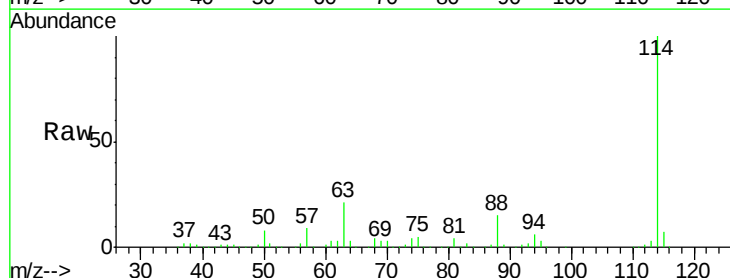
Instrument :
 MSVOA_N
 ClientSampleId :

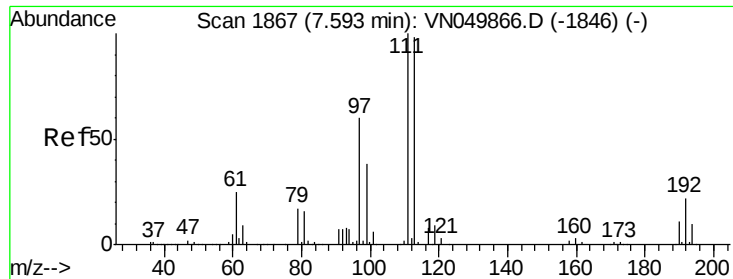
Tot Ion: 65 Resp: 413480
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049881.D
 Acq: 18 Jul 2018 18:55

Tgt Ion: 114 Resp: 946514
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 15.4 0.0 30.6

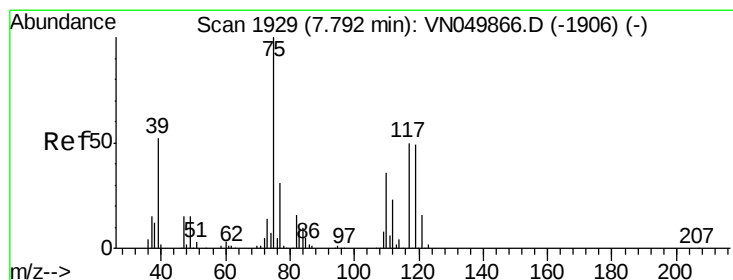
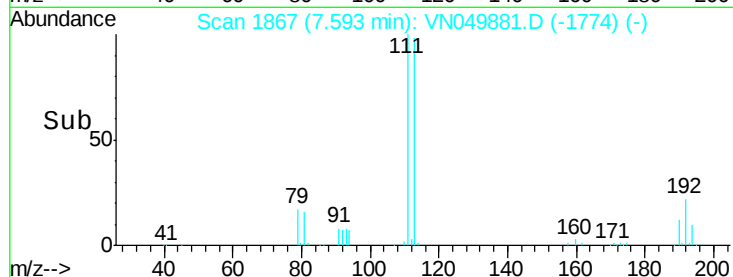
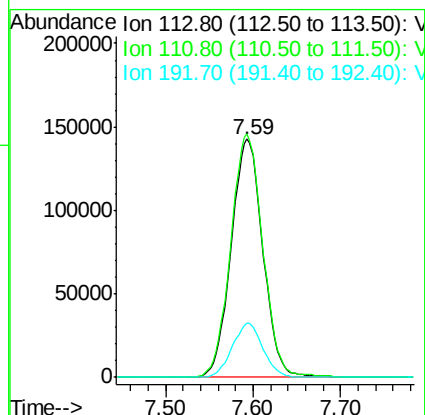
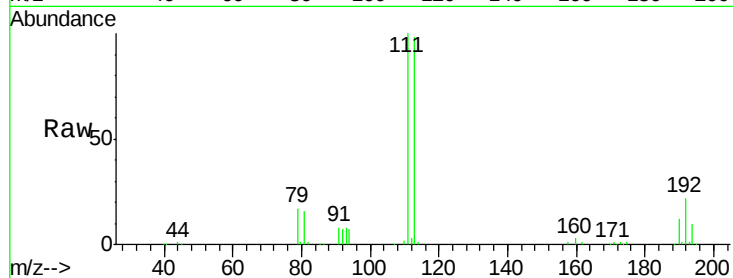




#35
Dibromofluoromethane
Concen: 45.17 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

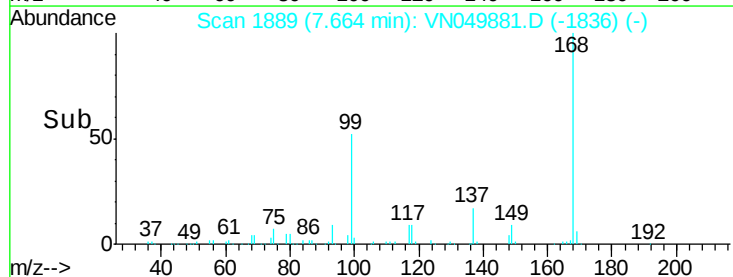
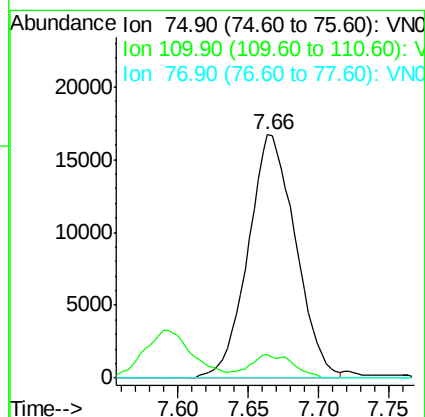
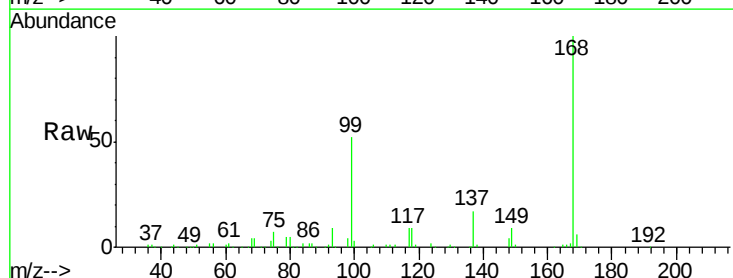
Instrument :
MSVOA_N
ClientSampleId :

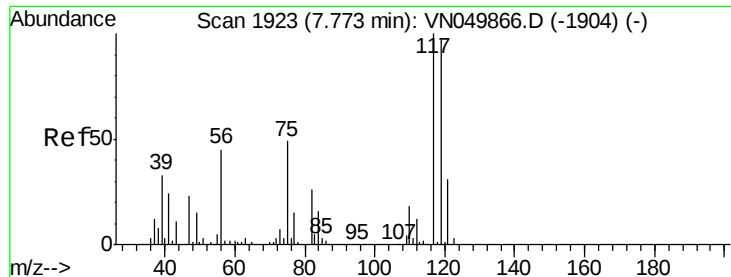
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	22.1	17.8	26.6



#36
1,1-Dichloropropene
Concen: 3.73 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.13 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.4#
77	0.0	24.9	37.3#

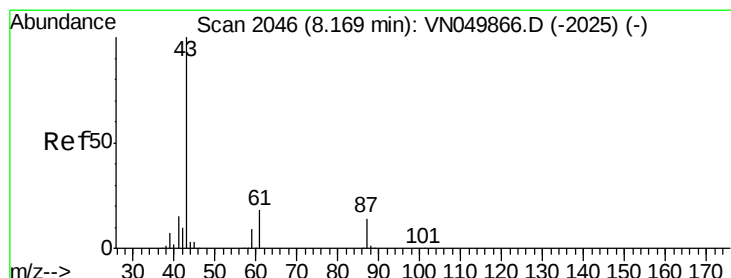
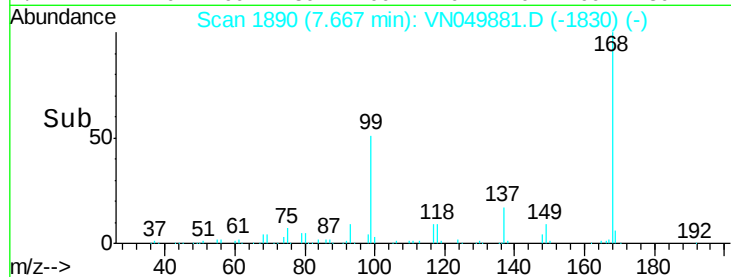
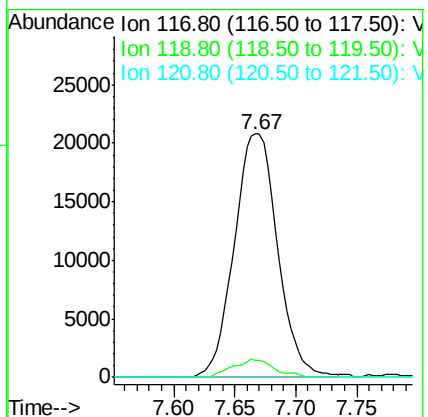
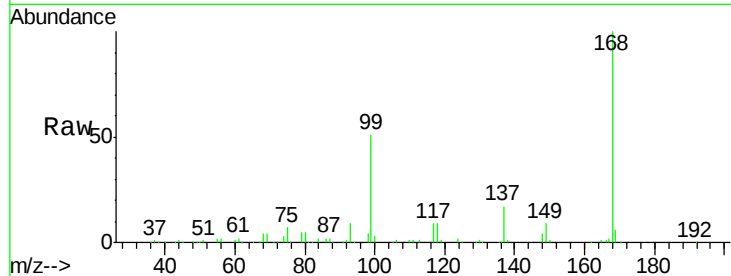




#38
Carbon Tetrachloride
Concen: 4.53 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

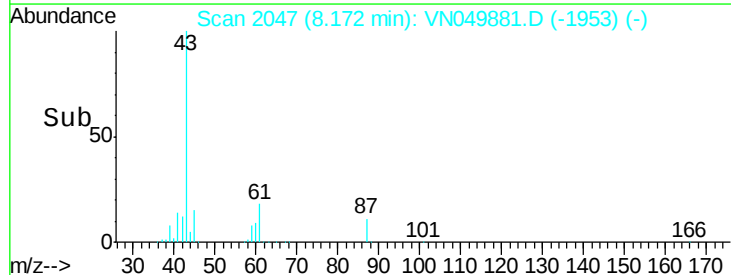
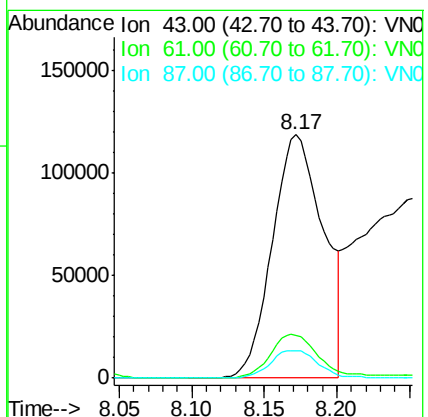
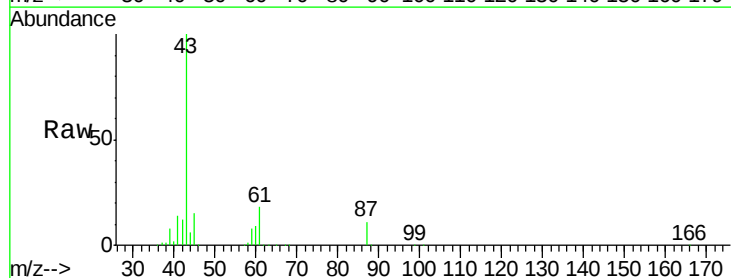
Instrument :
MSVOA_N
ClientSampled :

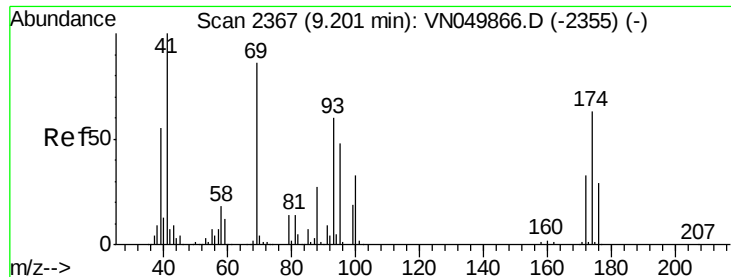
Tot Ion:117 Resp: 51085
Ion Ratio Lower Upper
117 100
119 7.2 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 23.00 ug/l
RT: 8.17 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Tgt Ion: 43 Resp: 290381
Ion Ratio Lower Upper
43 100
61 17.5 14.9 22.3
87 10.6 10.0 15.0

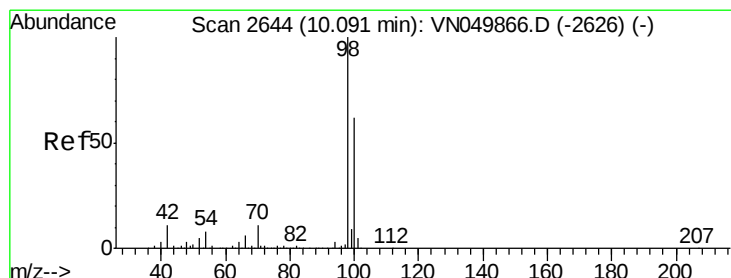
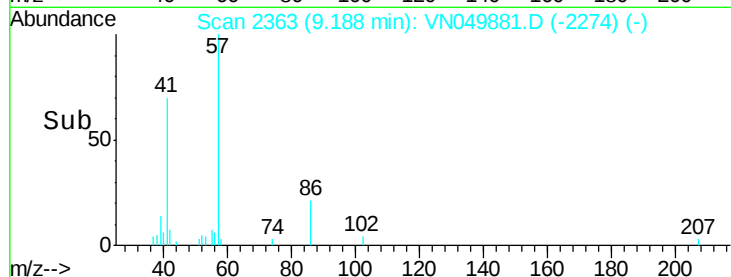
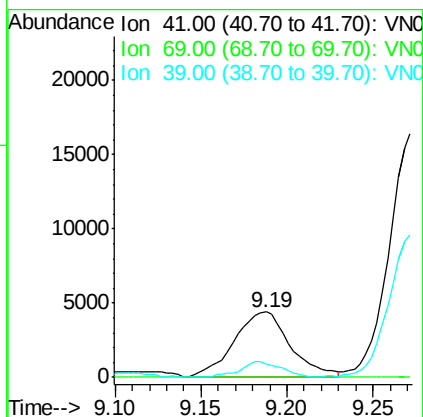
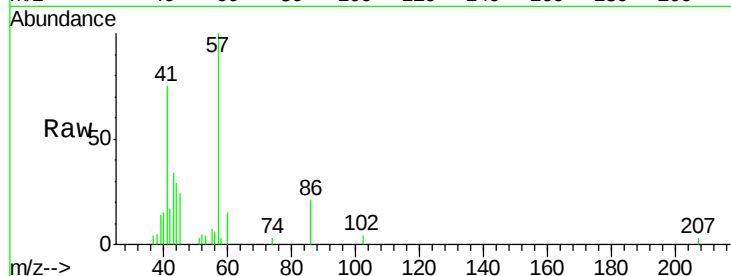




#48
Methvl methacrylate
Concen: 1.58 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.01 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

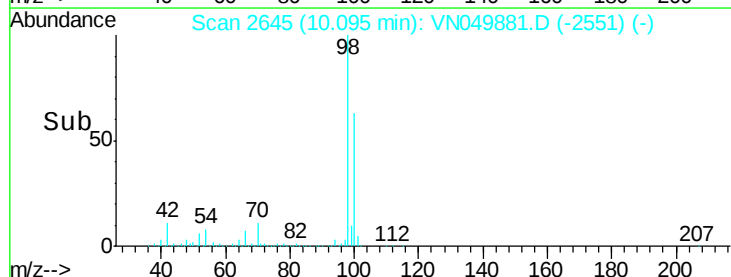
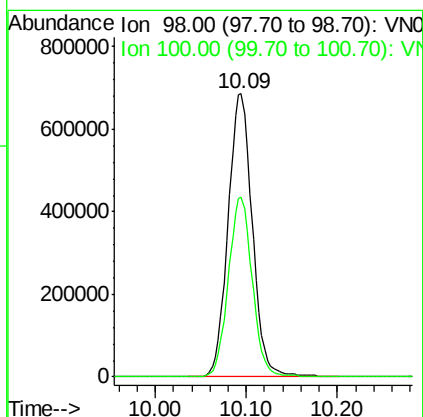
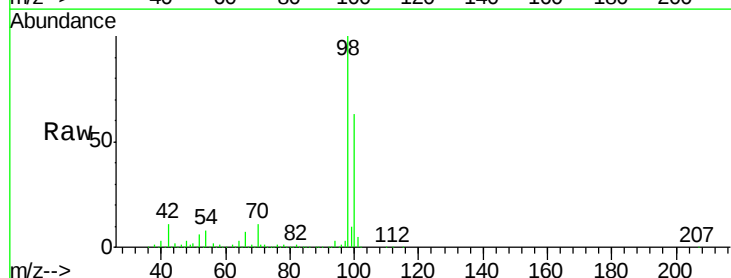
Instrument :
MSVOA_N
ClientSampleId :

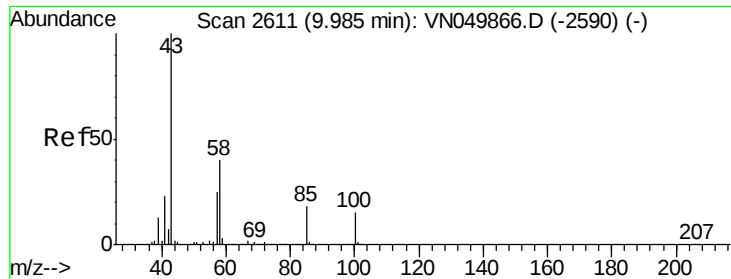
Tot Ion: 41 Resp: 10028
Ion Ratio Lower Upper
41 100
69 0.0 71.5 107.3#
39 17.6 44.7 67.1#



#50
Toluene-d8
Concen: 43.90 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Tgt Ion: 98 Resp: 1270834
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

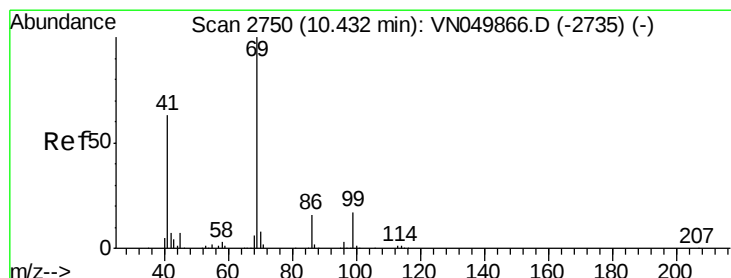
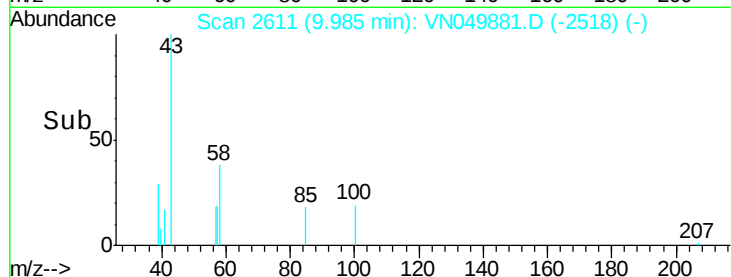
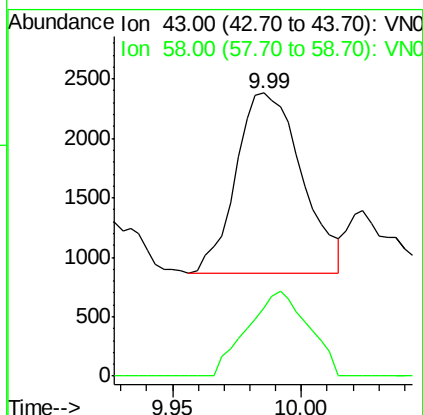
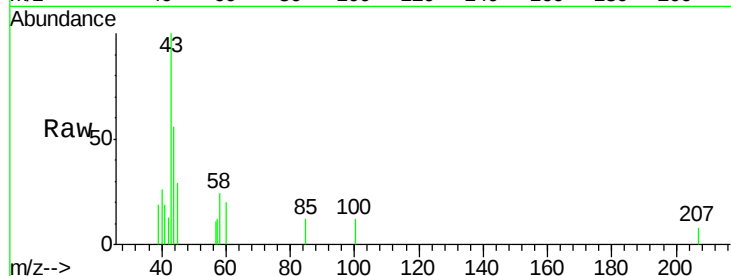




#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

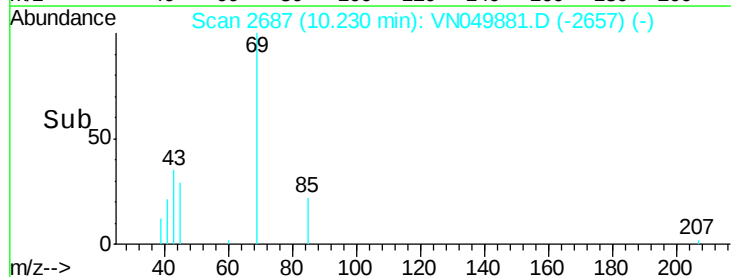
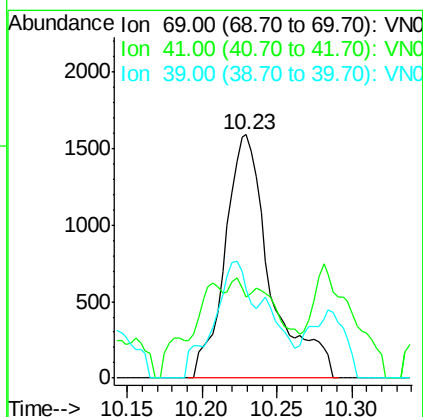
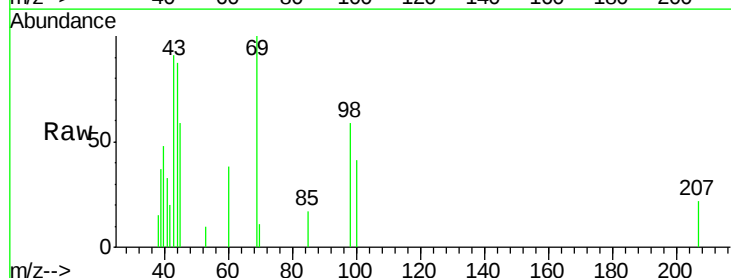
Instrument :
MSVOA_N
ClientSampled :

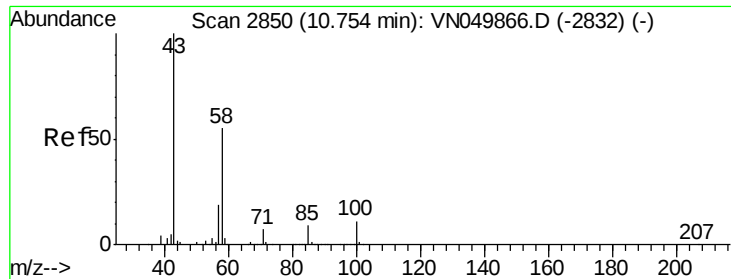
Tot Ion: 43 Resp: 2720
Ion Ratio Lower Upper
43 100
58 43.3 31.8 47.8



#56
Ethyl methacrylate
Concen: 2.46 ug/l
RT: 10.23 min Scan# 2687
Delta R.T. -0.20 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Tgt Ion: 69 Resp: 3351
Ion Ratio Lower Upper
69 100
41 0.0 51.6 77.4#
39 39.0 25.8 38.8#





#59

2-Hexanone

Concen: 4.57 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049881.D

Acq: 18 Jul 2018 18:55

Instrument :

MSVOA_N

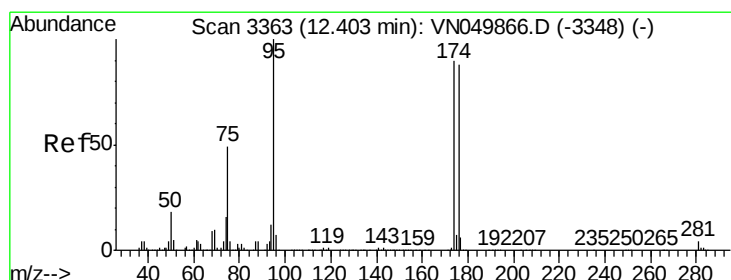
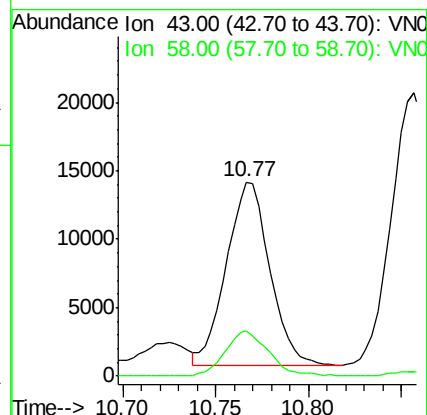
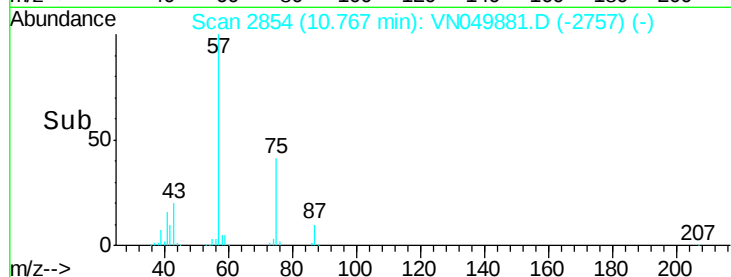
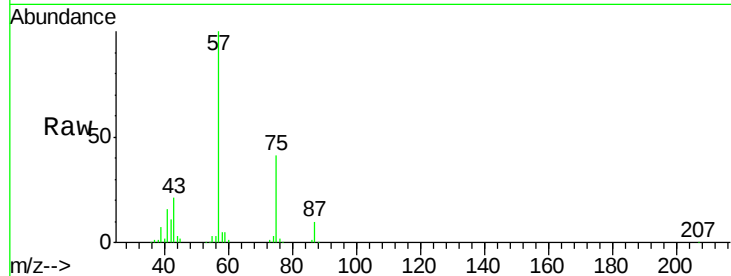
ClientSampleId :

Tot Ion: 43 Resp: 21643

Ion Ratio Lower Upper

43 100

58 24.9 27.8 83.4#



#62

4-Bromofluorobenzene

Concen: 34.82 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049881.D

Acq: 18 Jul 2018 18:55

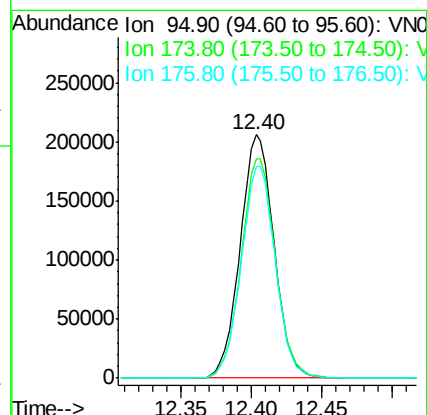
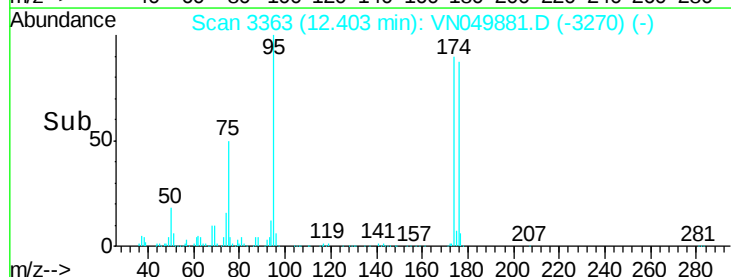
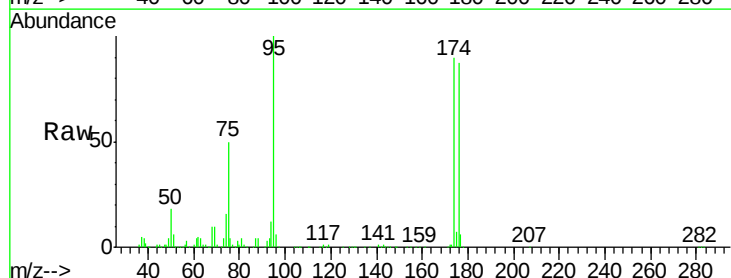
Tgt Ion: 95 Resp: 347159

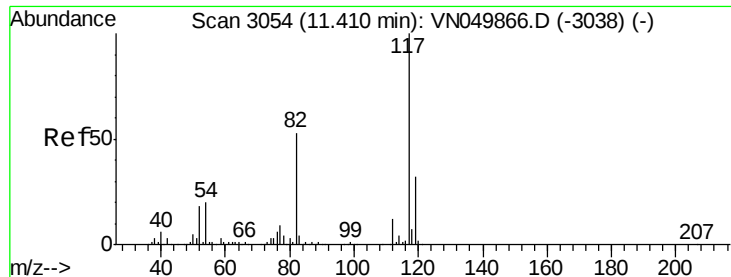
Ion Ratio Lower Upper

95 100

174 91.3 0.0 179.6

176 87.4 0.0 174.0

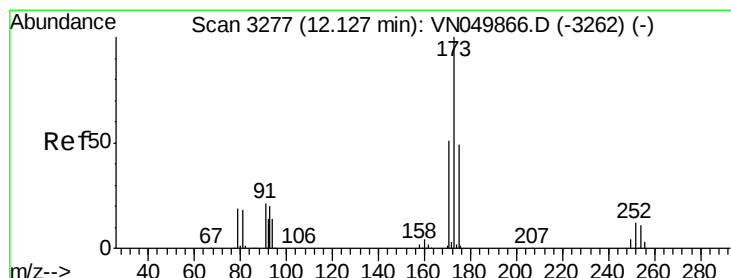
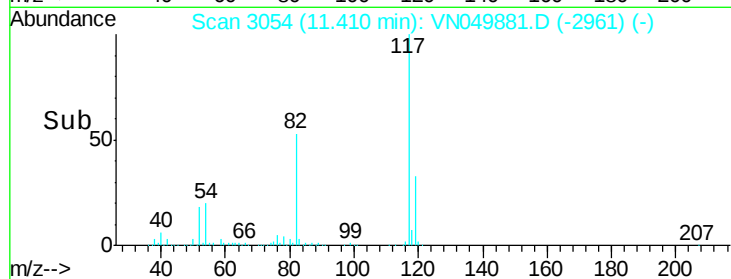
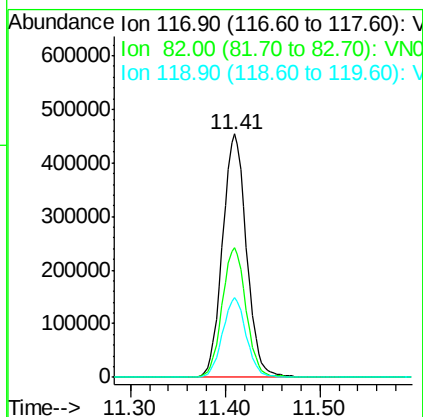
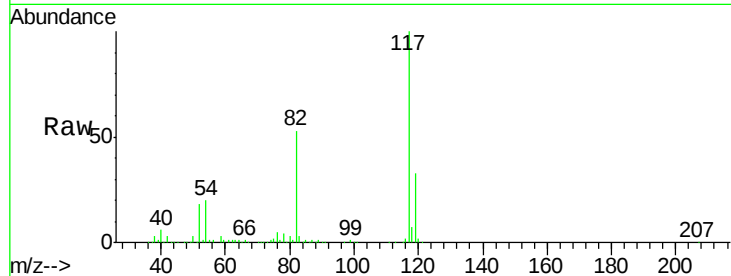




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

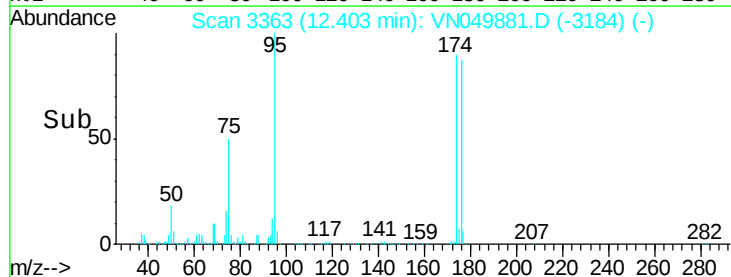
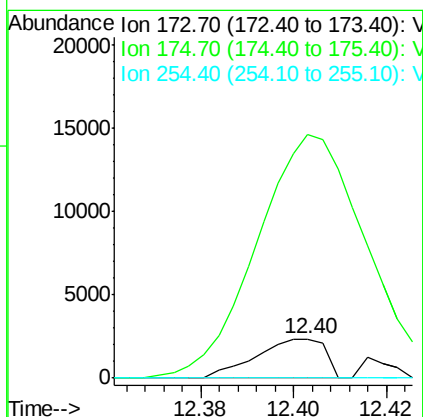
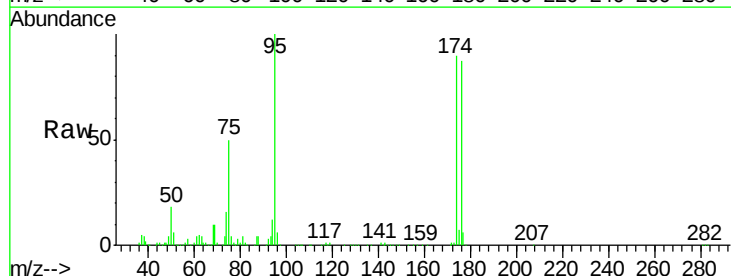
Instrument :
MSVOA_N
ClientSampleId :

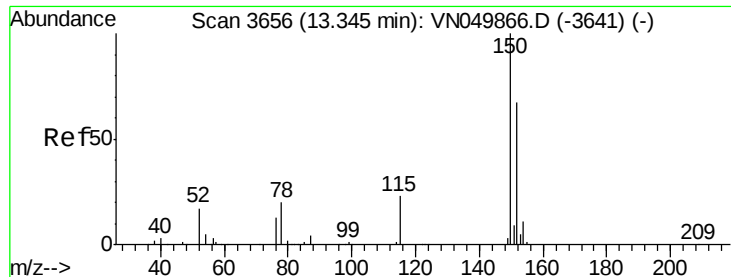
Tot Ion:117 Resp: 798533
Ion Ratio Lower Upper
117 100
82 53.2 41.9 62.9
119 32.5 25.4 38.2



#71
Bromoform
Concen: 0.44 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Tgt Ion:173 Resp: 2426
Ion Ratio Lower Upper
173 100
175 816.0 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: VN049881.D

Acq: 18 Jul 2018 18:55

Instrument :

MSVOA_N

ClientSampleId :

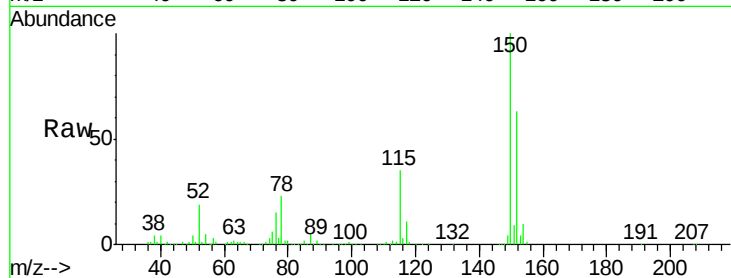
Tot Ion:152 Resp: 292386

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

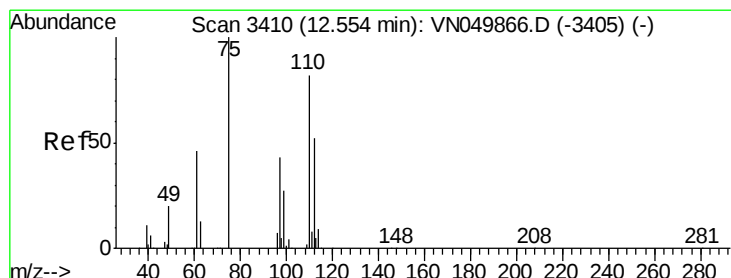
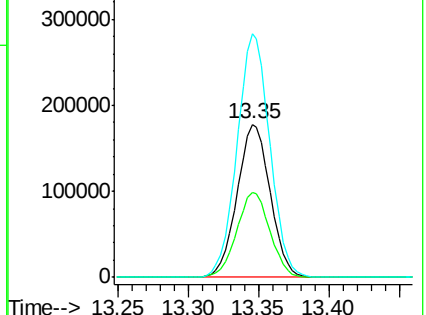
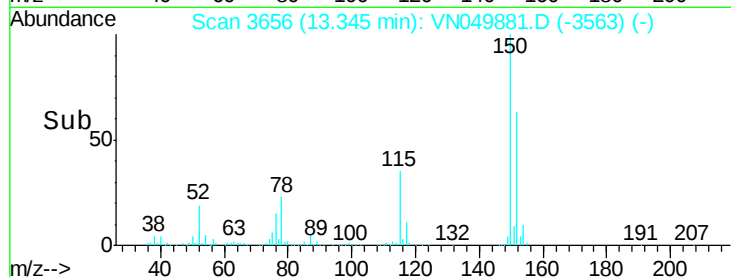
150 157.4 0.0 347.6



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: 31.31 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049881.D

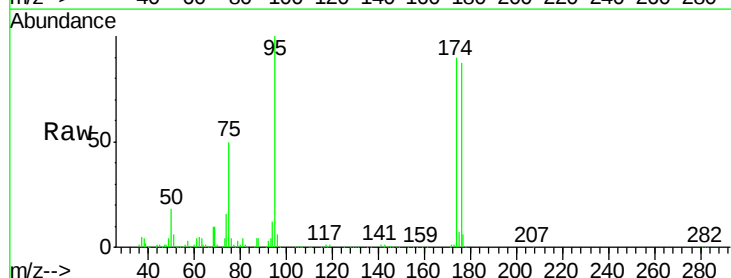
Acq: 18 Jul 2018 18:55

Tgt Ion: 75 Resp: 171710

Ion Ratio Lower Upper

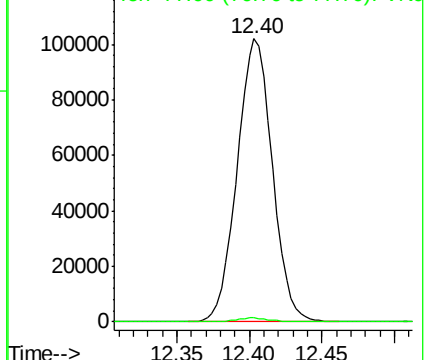
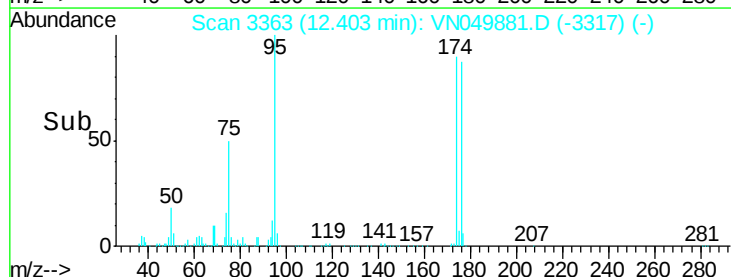
75 100

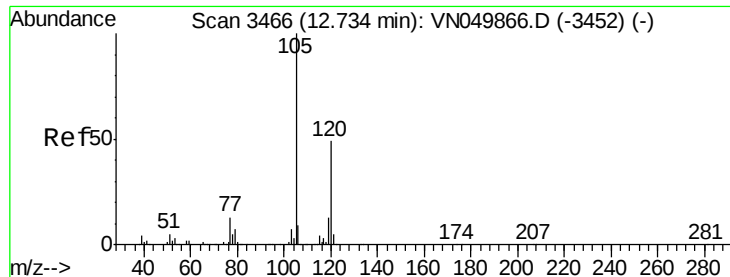
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

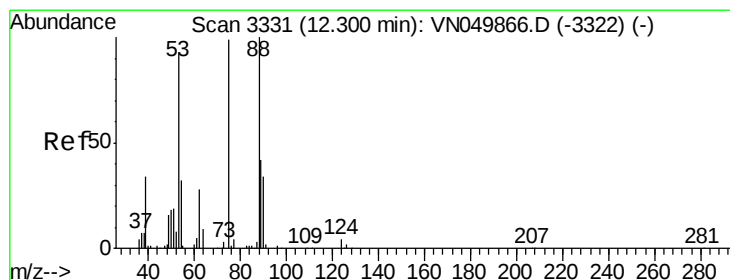
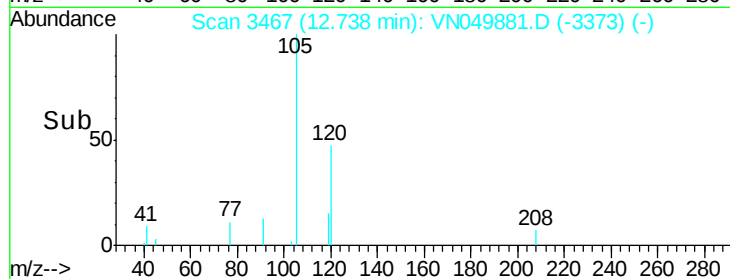
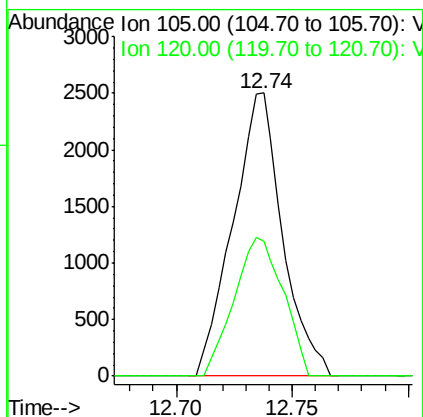
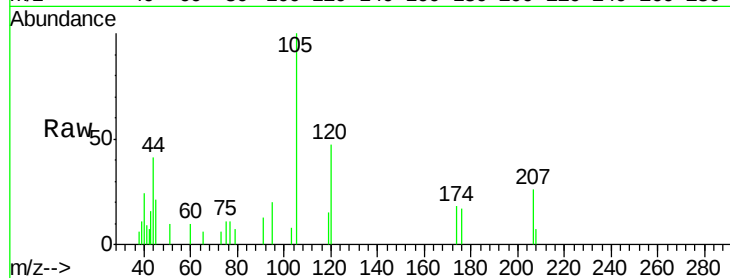




#80
 1,3,5-Trimethylbenzene
 Concen: 0.21 ug/l
 RT: 12.74 min Scan# 3467
 Delta R.T. 0.00 min
 Lab File: VN049881.D
 Acq: 18 Jul 2018 18:55

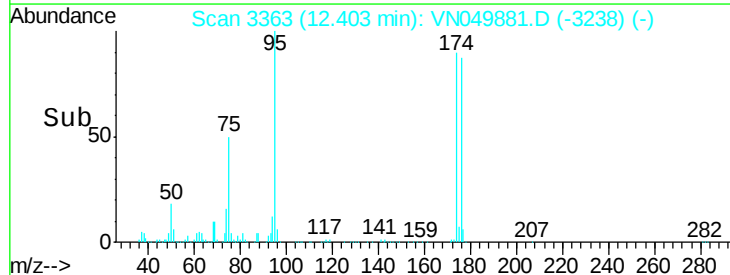
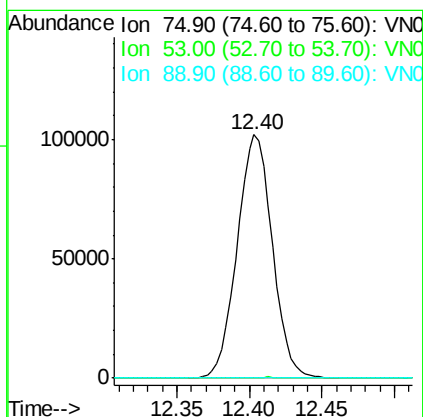
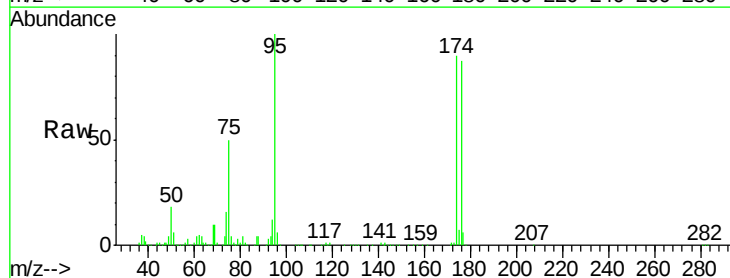
Instrument :
 MSVOA_N
 ClientSampled :

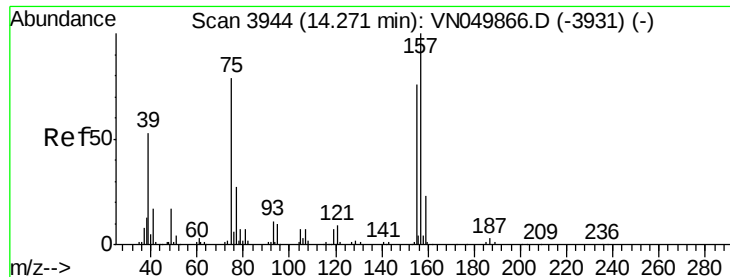
Tot Ion:105 Resp: 3716
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.89 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049881.D
 Acq: 18 Jul 2018 18:55

Tgt Ion: 75 Resp: 171710
 Ion Ratio Lower Upper
 75 100
 53 0.3 73.9 110.9#
 89 0.0 35.9 53.9#

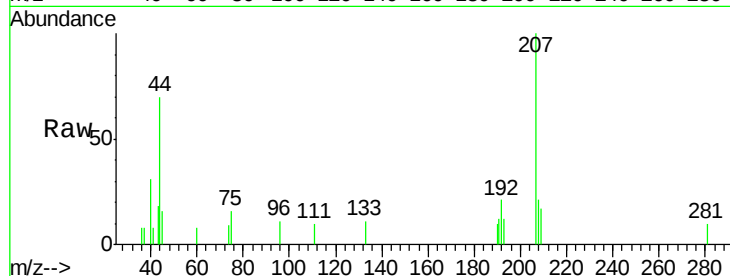




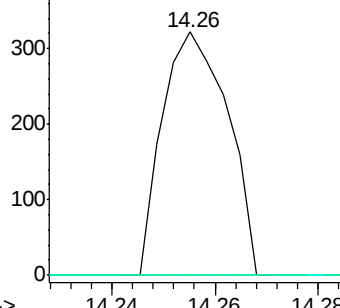
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.27 ug/l
 RT: 14.26 min Scan# 3939
 Delta R.T. -0.02 min
 Lab File: VN049881.D
 Acq: 18 Jul 2018 18:55

Instrument :
 MSVOA_N
 ClientSampled :

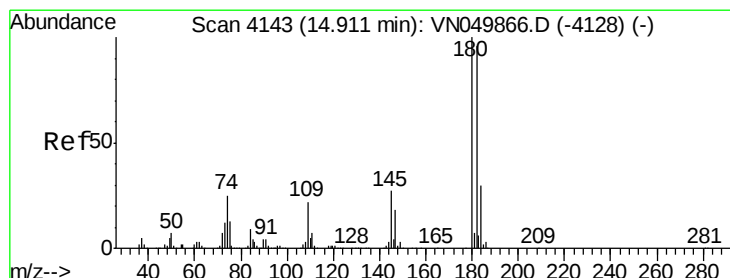
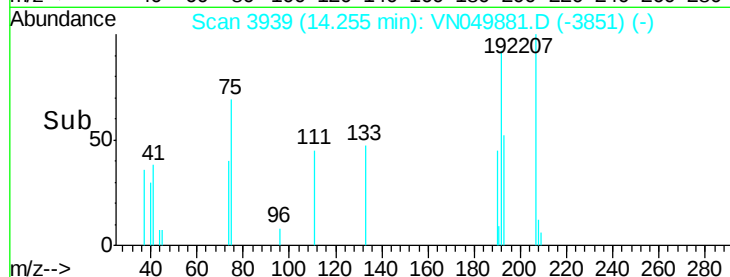
Tot Ion: 75 Resp: 281
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049881.D (-3851) (-)
 Ion 154.80 (154.50 to 155.50): VN049881.D (-3851) (-)
 Ion 156.80 (156.50 to 157.50): VN049881.D (-3851) (-)

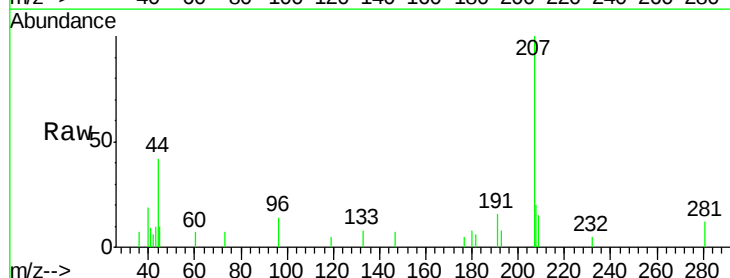


Time-->

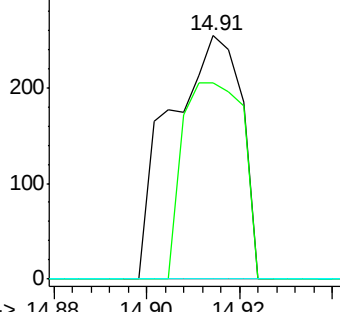


#93
 1,2,4-Trichlorobenzene
 Concen: 3.52 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049881.D
 Acq: 18 Jul 2018 18:55

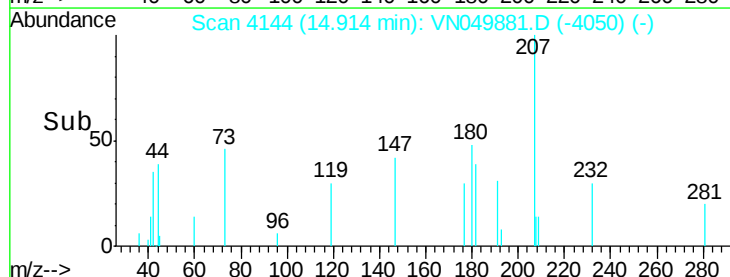
Tgt Ion: 180 Resp: 272
 Ion Ratio Lower Upper
 180 100
 182 68.0 47.3 141.9
 145 0.0 14.4 43.0#

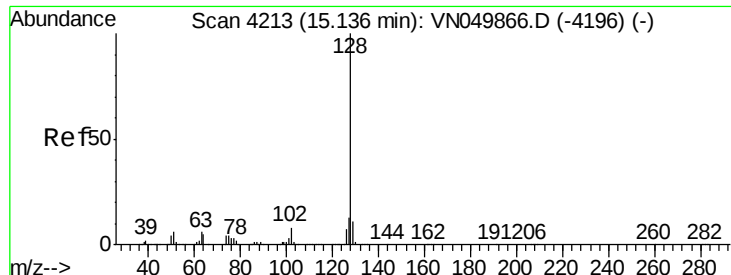


Abundance Ion 179.80 (179.50 to 180.50): VN049881.D (-4050) (-)
 Ion 181.80 (181.50 to 182.50): VN049881.D (-4050) (-)
 Ion 144.80 (144.50 to 145.50): VN049881.D (-4050) (-)



Time-->

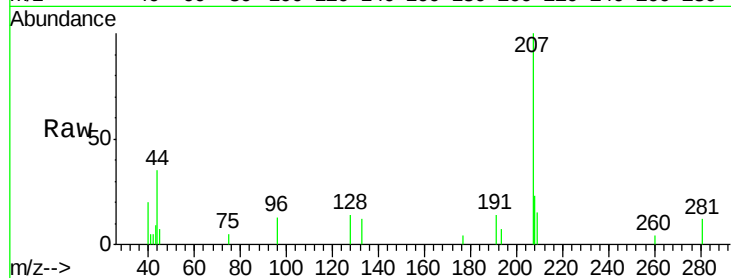




#95
Naphthalene
Concen: 4.54 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049881.D
Acq: 18 Jul 2018 18:55

Instrument :
MSVOA_N
ClientSampleId :

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

