

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049682.D
 Acq On : 2 Jul 2018 20:46
 Operator : MD\SY
 Sample : PB110744 ZHE#09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#09

Quant Time: Jul 03 03:50:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1237124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2064537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1678623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	602763	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	866798	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	
35) Dibromofluoromethane	7.59	113	719248	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.09	98	2712119	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
62) 4-Bromofluorobenzene	12.40	95	780625	37.85	ug/l	0.00
Spiked Amount			Recovery	=	75.70%	

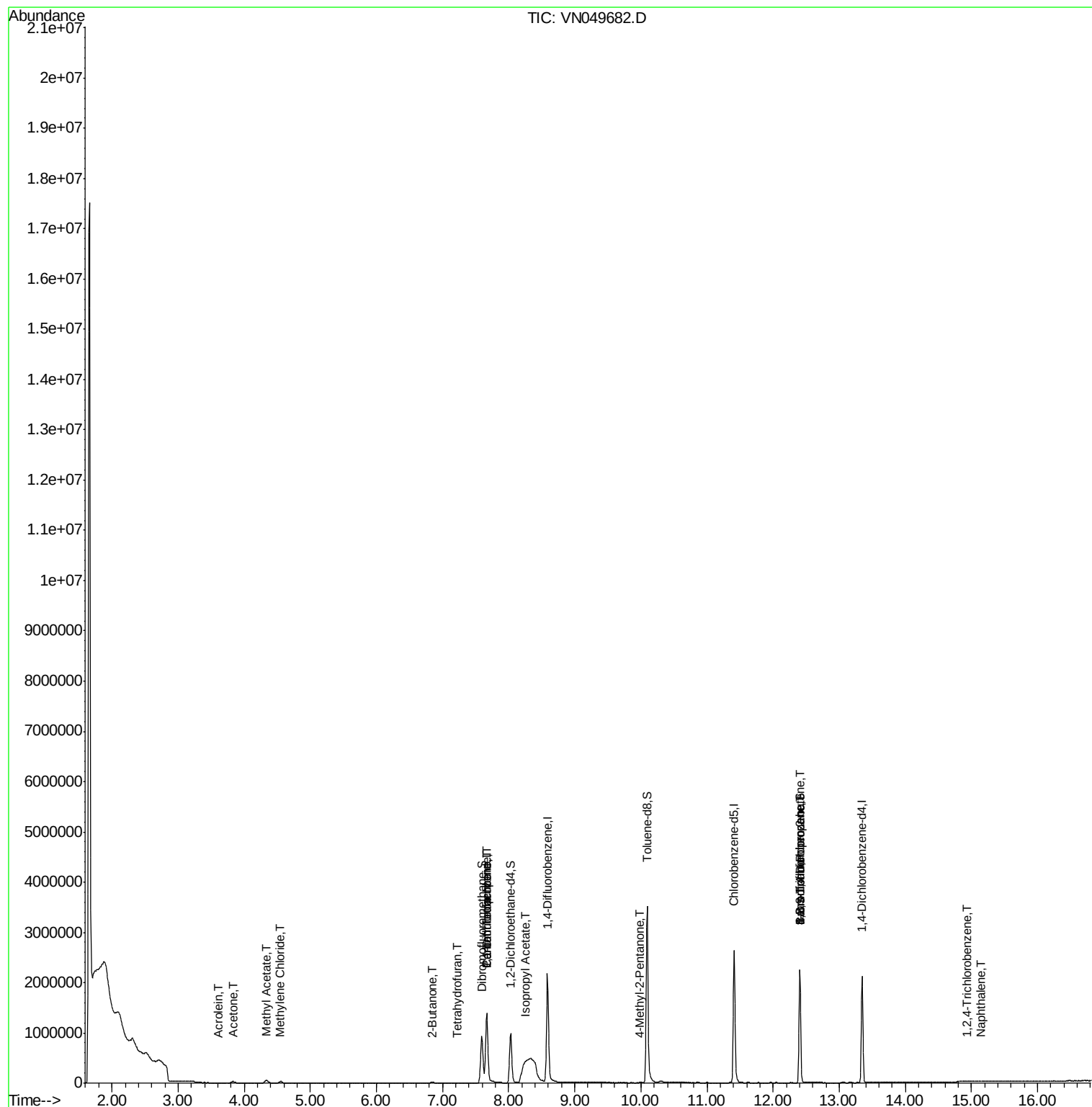
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	727	0.83	ug/l	# 55
16) Acetone	3.83	43	49143	7.22	ug/l	99
17) Carbon Disulfide	4.04	76	2066	Below Cal	#	75
18) Methyl Acetate	4.33	43	109340	2.37	ug/l	97
20) Methylene Chloride	4.55	84	19257	1.14	ug/l	96
25) 2-Butanone	6.84	43	4736	0.87	ug/l	# 86
29) Tetrahydrofuran	7.23	42	2101	0.61	ug/l	# 68
36) 1,1-Dichloropropene	7.67	75	84290	3.63	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	109616	4.85	ug/l	# 16
43) Isopropyl Acetate	8.25	43	477374	17.37	ug/l	# 62
51) 4-Methyl-2-Pentanone	9.98	43	4127	0.31	ug/l	92
71) Bromoform	12.40	173	6505	0.62	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.48	83	70	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	380512	39.36	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	380512	133.69	ug/l	# 13
87) 1,3-Dichlorobenzene	13.29	146	246	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.37	146	590	Below Cal	#	25
91) 1,2-Dichlorobenzene	13.65	146	393	Below Cal	#	52
92) 1,2-Dibromo-3-Chloropropan	14.27	75	755	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	235	2.42	ug/l	# 13
95) Naphthalene	15.14	128	626	4.06	ug/l	# 69

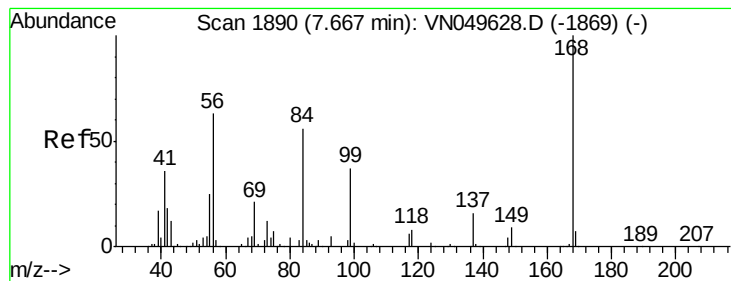
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
Data File : VN049682.D
Acq On : 2 Jul 2018 20:46
Operator : MD\SY
Sample : PB110744 ZHE#09
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#09

Quant Time: Jul 03 03:50:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 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: VN049682.D

Acq: 2 Jul 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

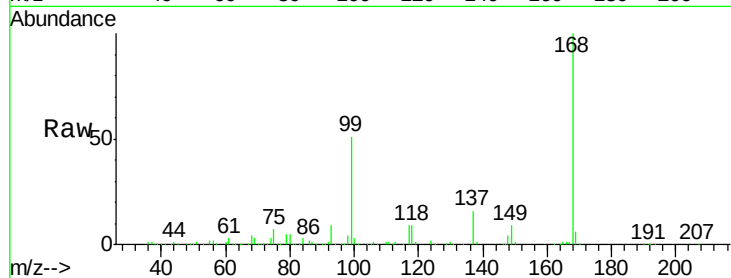
PB110744 ZHE#09

Tot Ion:168 Resp: 1237124

Ion Ratio Lower Upper

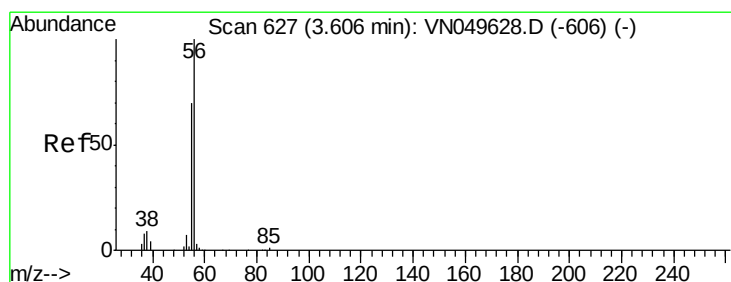
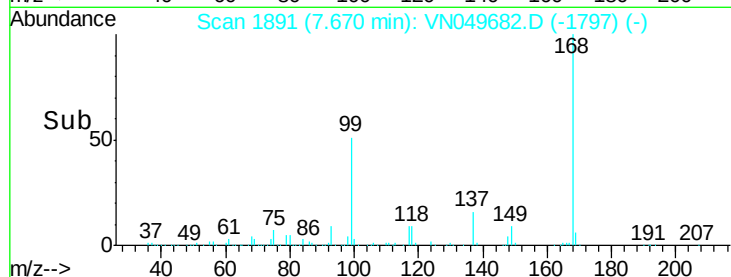
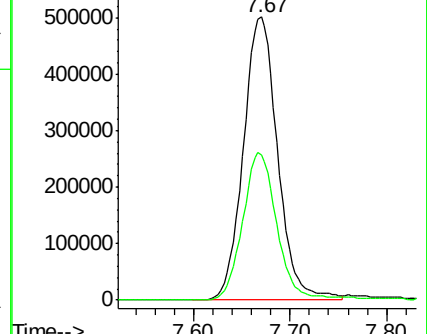
168 100

99 51.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.83 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049682.D

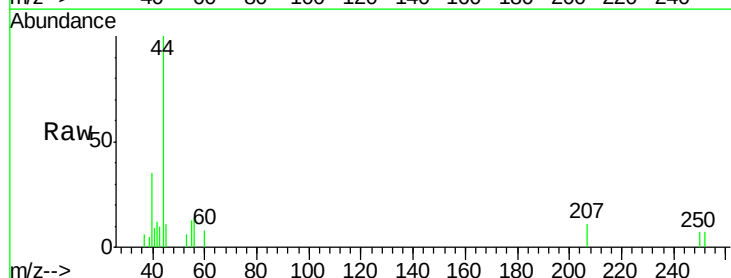
Acq: 2 Jul 2018 20:46

Tgt Ion: 56 Resp: 727

Ion Ratio Lower Upper

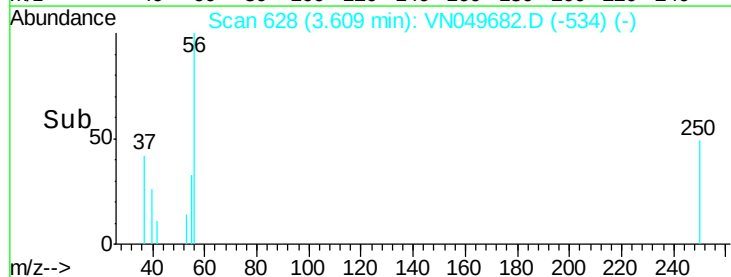
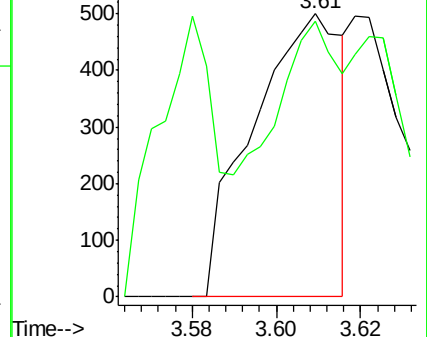
56 100

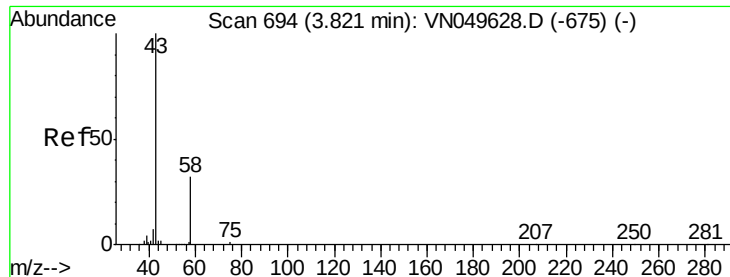
55 32.9 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 7.22 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

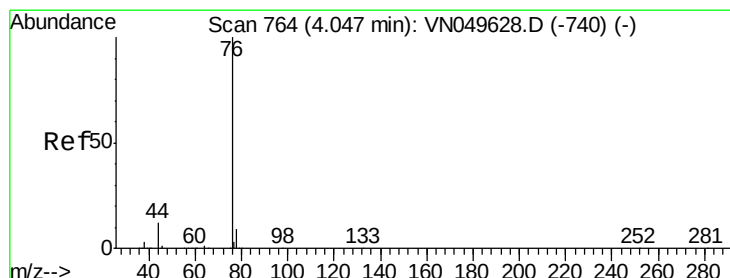
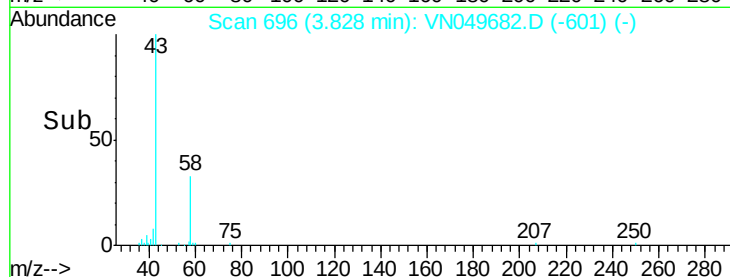
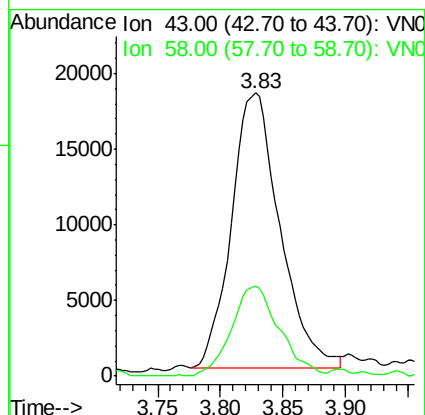
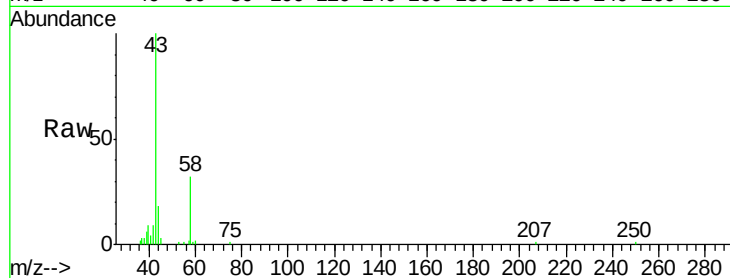
PB110744 ZHE#09

Tot Ion: 43 Resp: 49143

Ion Ratio Lower Upper

43 100

58 32.7 25.9 38.9



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 762

Delta R.T. -0.01 min

Lab File: VN049682.D

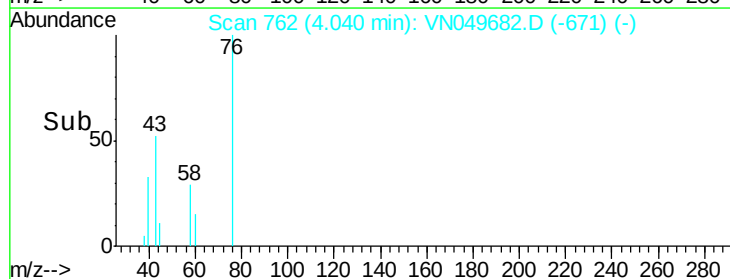
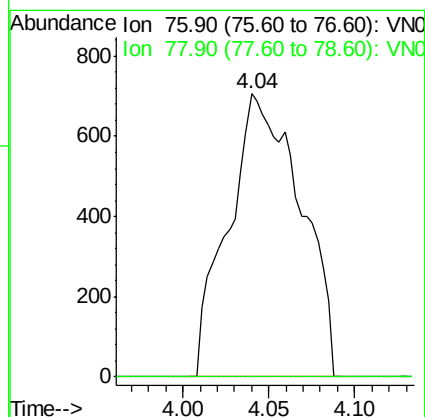
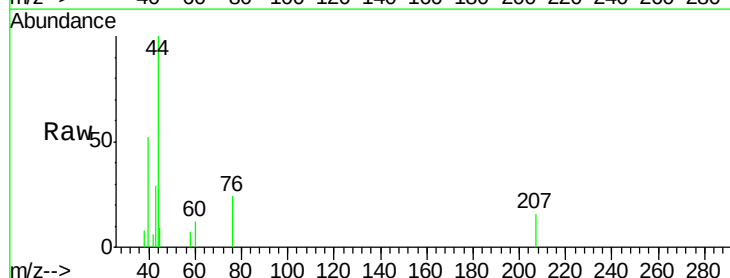
Acq: 2 Jul 2018 20:46

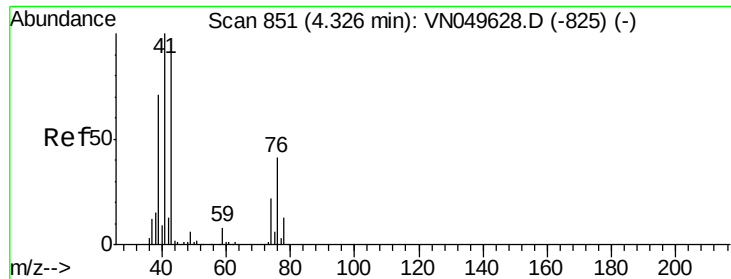
Tgt Ion: 76 Resp: 2066

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

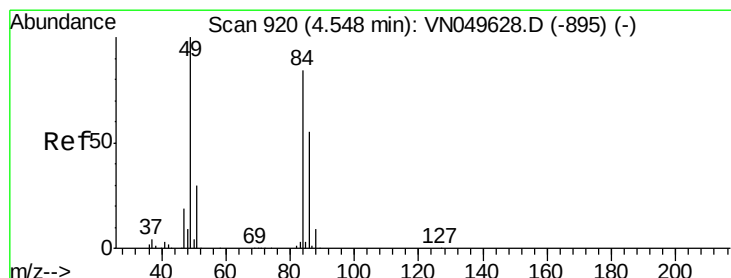
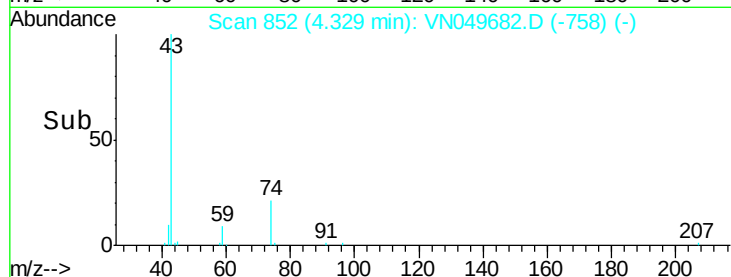
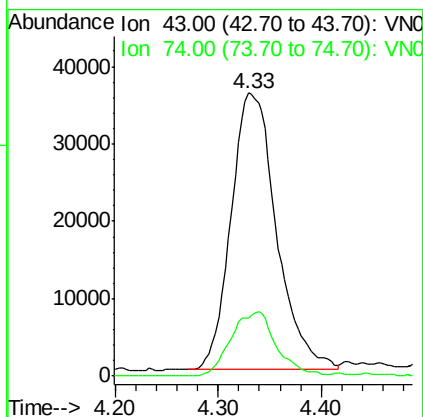
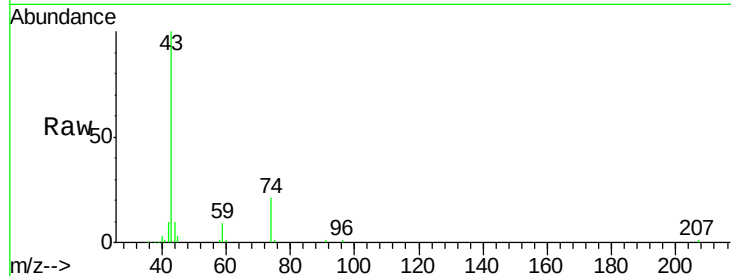




#18
Methyl Acetate
Concen: 2.37 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

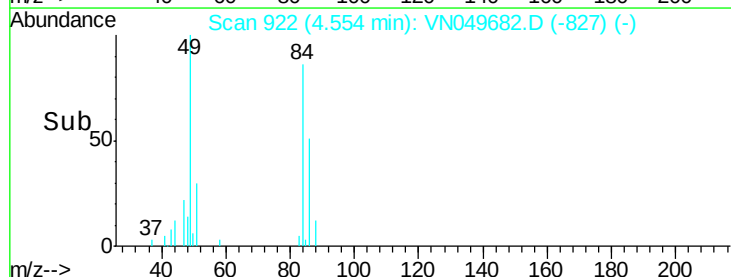
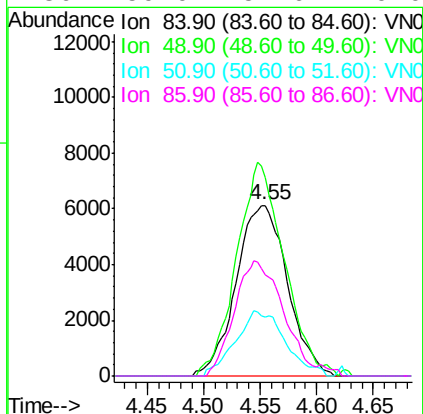
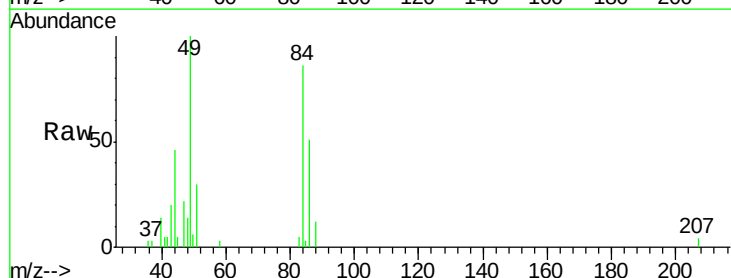
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#09

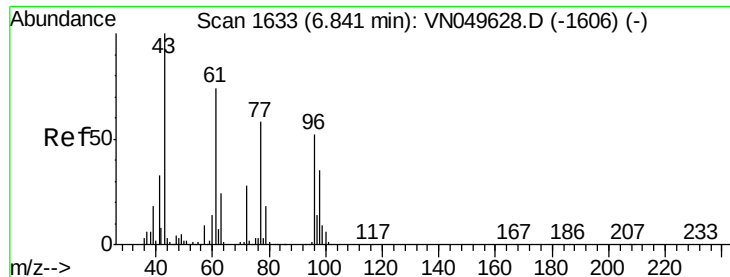
Tot Ion: 43 Resp: 109340
Ion Ratio Lower Upper
43 100
74 23.3 19.8 29.8



#20
Methylene Chloride
Concen: 1.14 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

Tgt Ion: 84 Resp: 19257
Ion Ratio Lower Upper
84 100
49 116.3 95.4 143.2
51 34.5 28.4 42.6
86 59.0 52.6 79.0

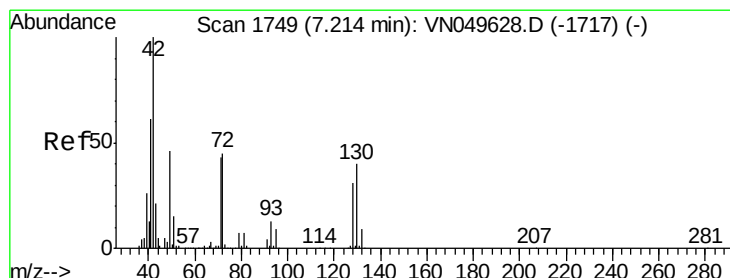
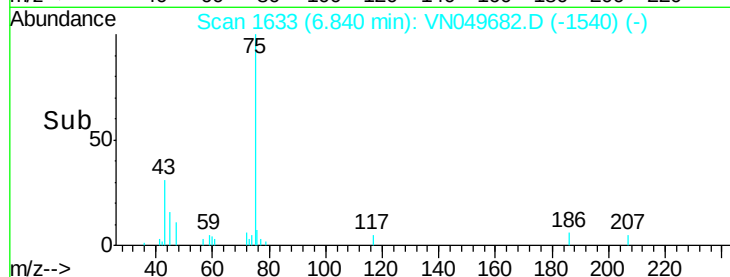
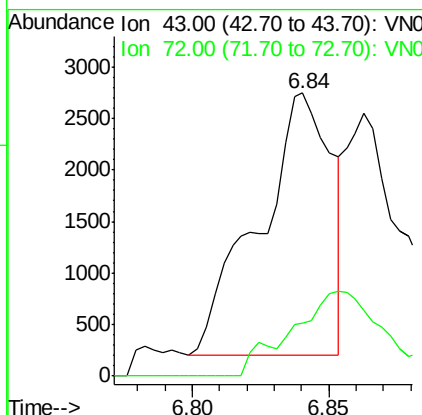
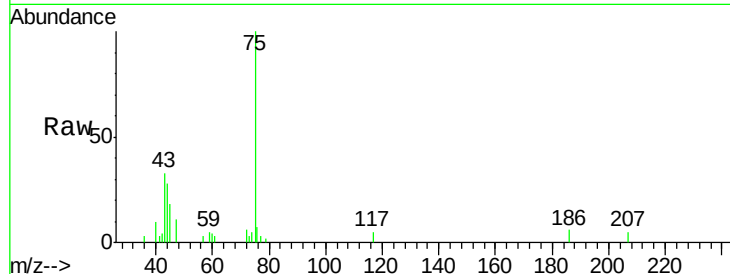




#25
2-Butanone
Concen: 0.87 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

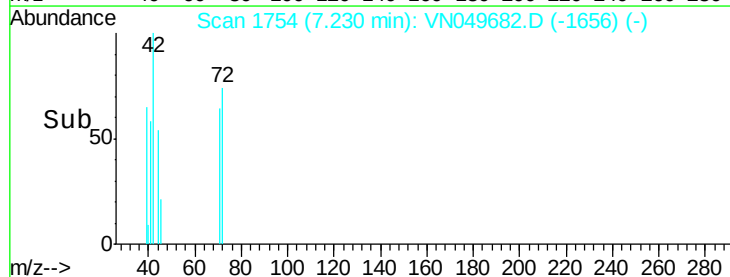
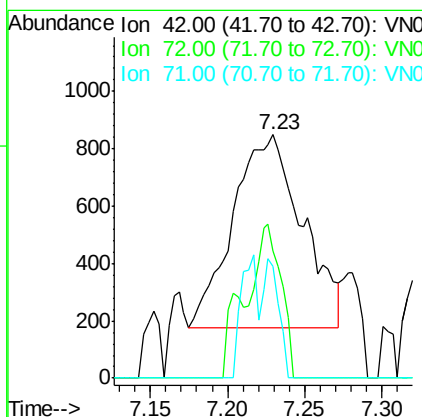
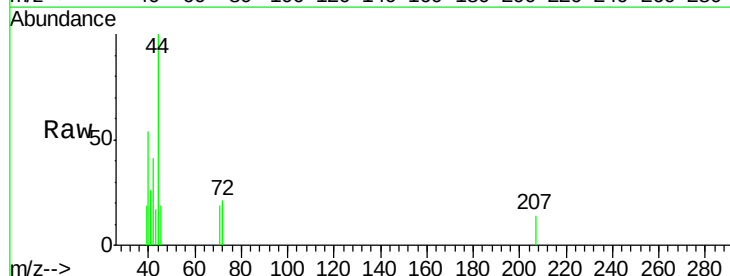
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#09

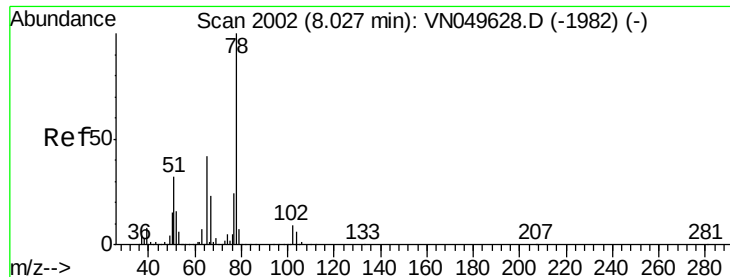
Tot Ion: 43 Resp: 4736
Ion Ratio Lower Upper
43 100
72 20.1 22.1 33.1#



#29
Tetrahydrofuran
Concen: 0.61 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.02 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

Tgt Ion: 42 Resp: 2101
Ion Ratio Lower Upper
42 100
72 31.2 35.6 53.4#
71 14.1 34.0 51.0#

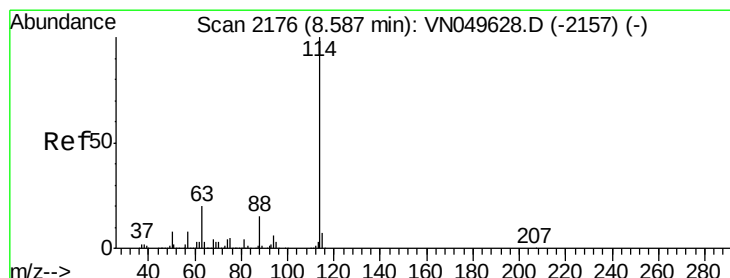
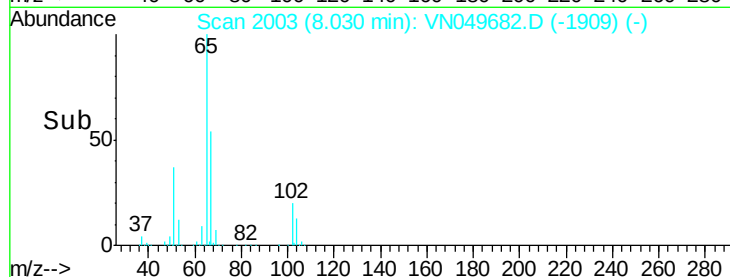
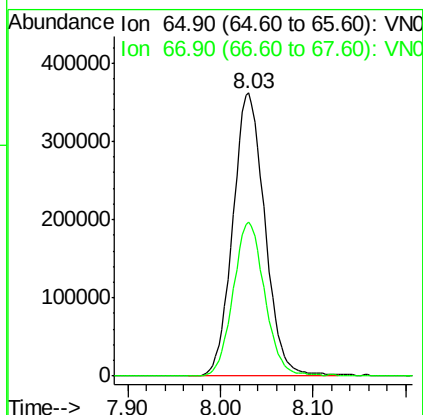
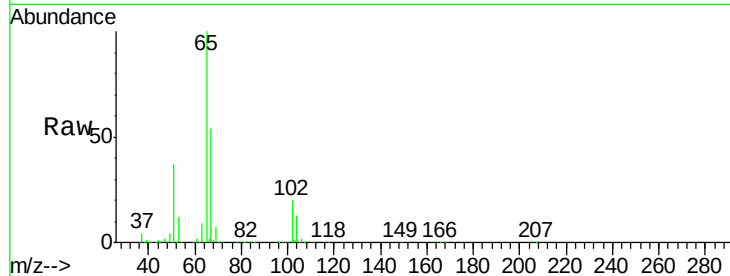




#33
 1,2-Dichloroethane-d4
 Concen: 53.06 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

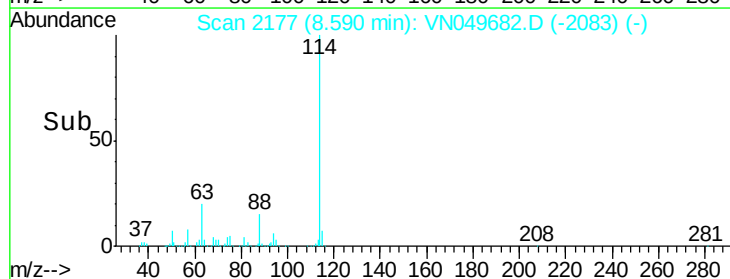
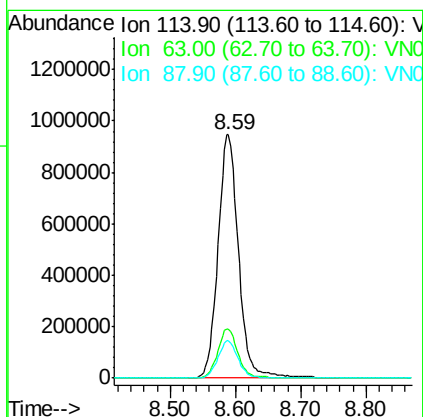
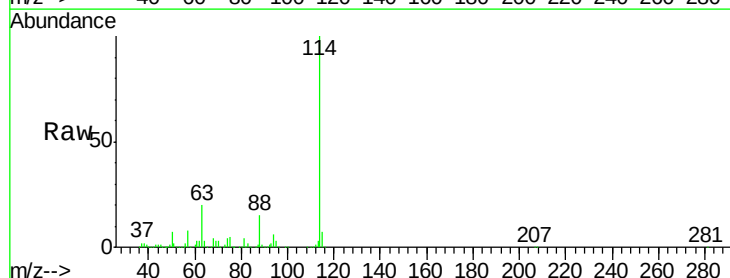
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#09

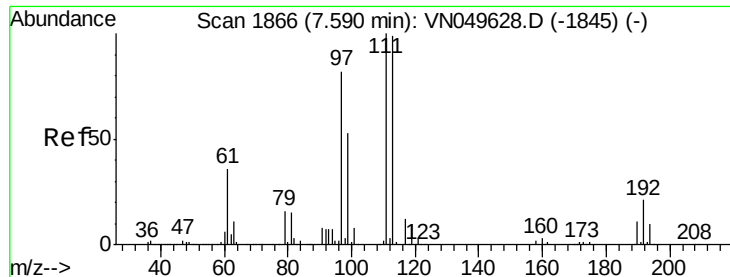
Tot Ion: 65 Resp: 866798
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Tgt Ion: 114 Resp: 2064537
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.3 0.0 30.6

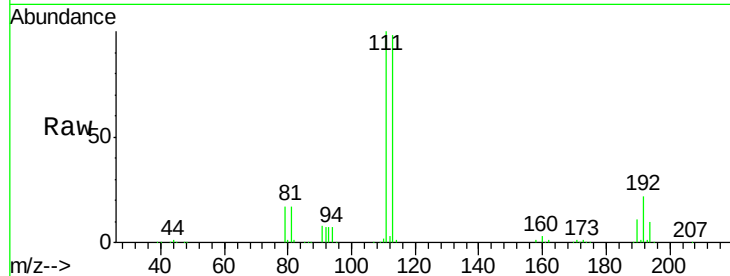




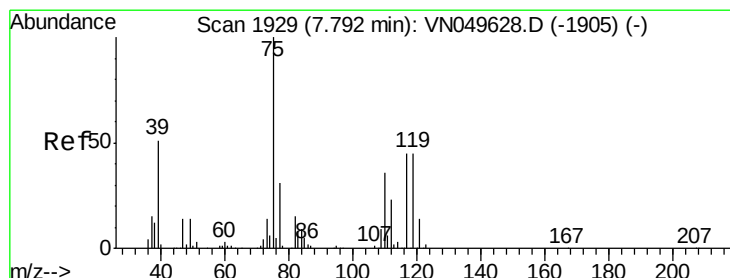
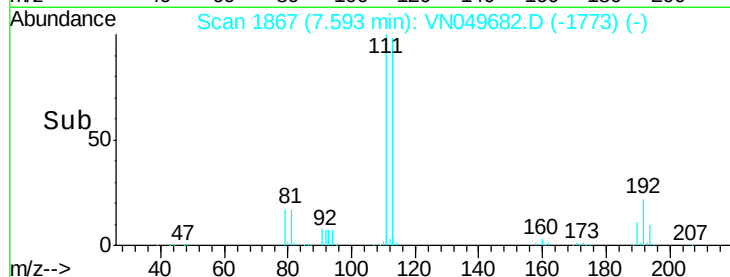
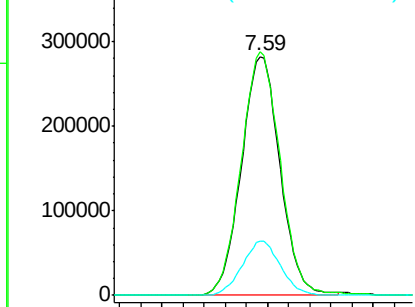
#35
 Dibromofluoromethane
 Concen: 46.60 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#09

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	22.6	17.8	26.6

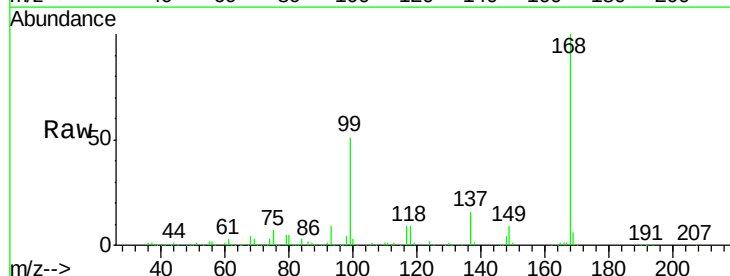


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

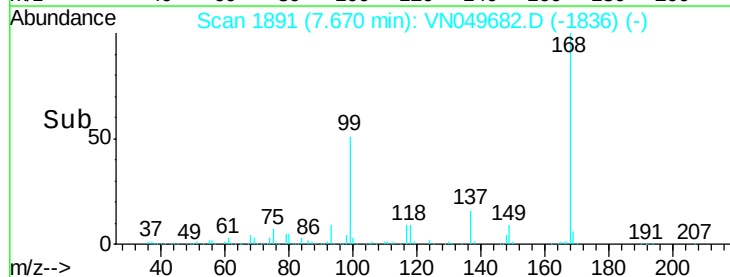
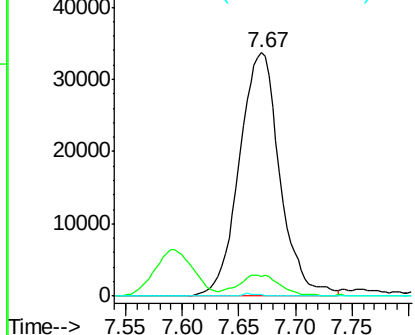


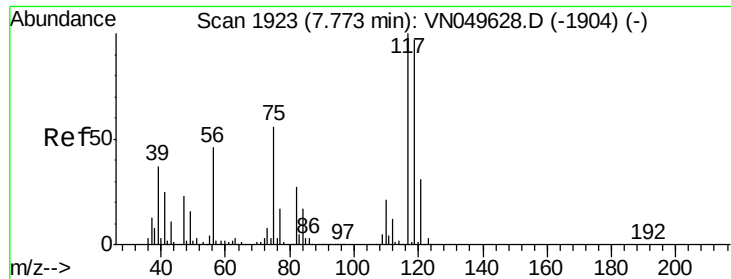
#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.1	54.4#
77	0.3	24.9	37.3#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

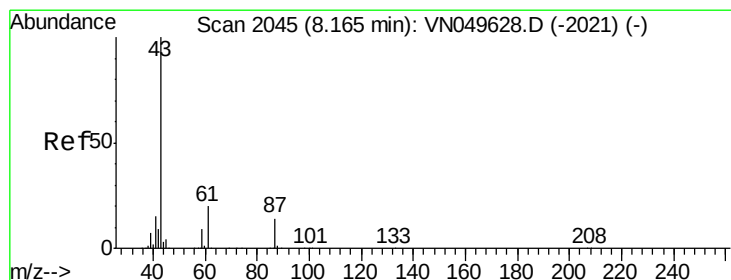
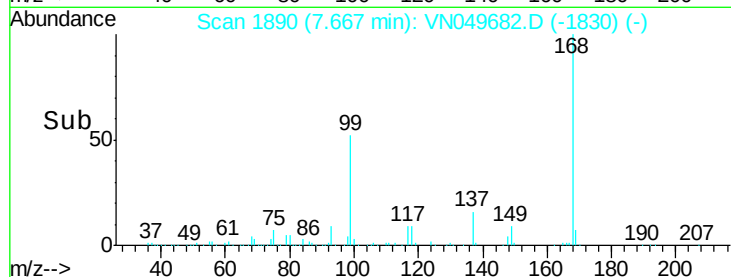
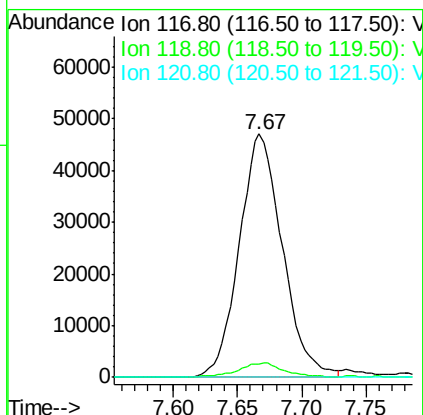
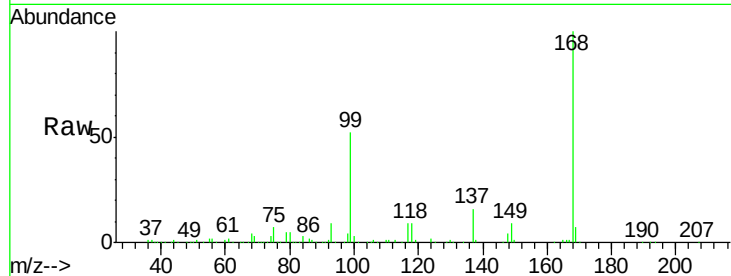




#38
Carbon Tetrachloride
Concen: 4.85 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

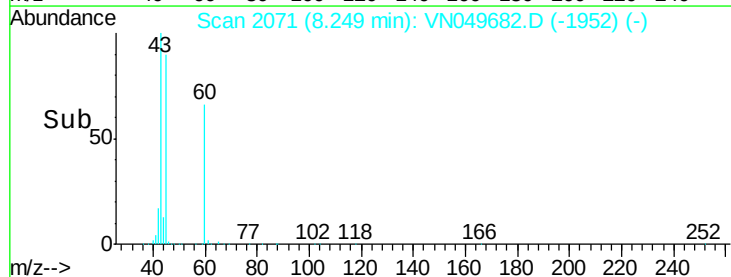
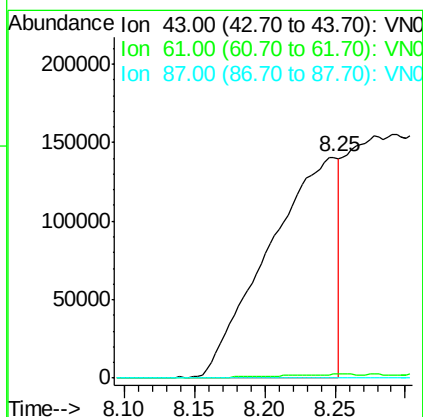
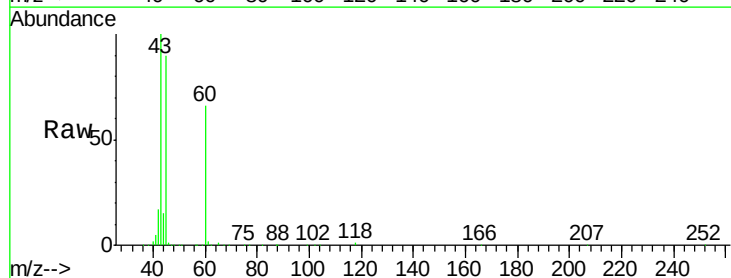
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#09

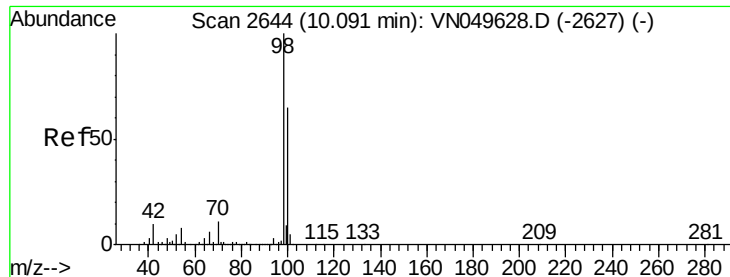
Tot Ion:117 Resp: 109616
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 17.37 ug/l
RT: 8.25 min Scan# 2071
Delta R.T. 0.08 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

Tgt Ion: 43 Resp: 477374
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#

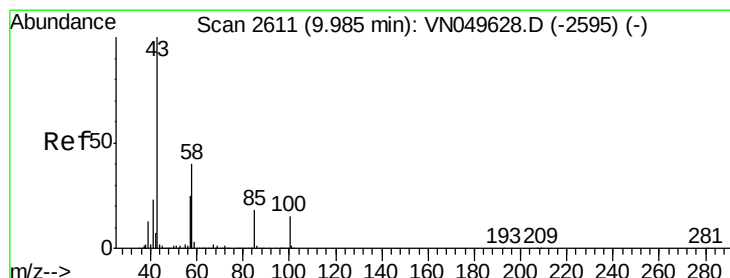
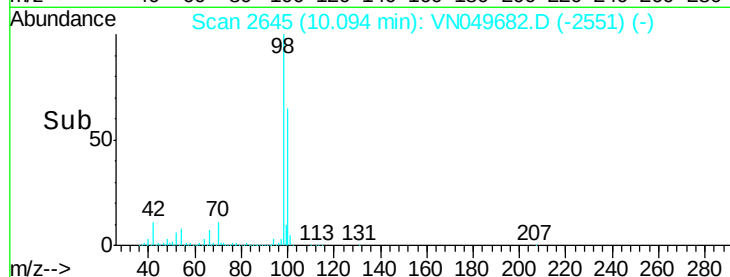
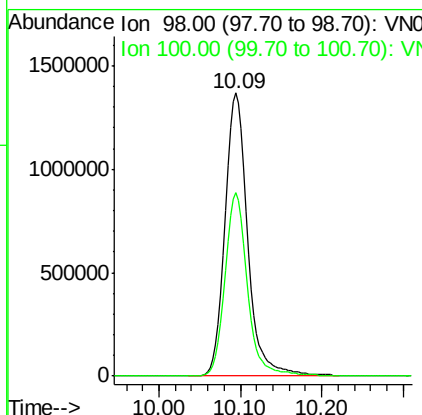
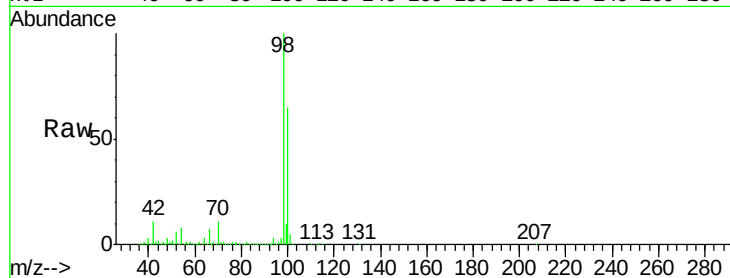




#50
Toluene-d8
Concen: 44.89 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

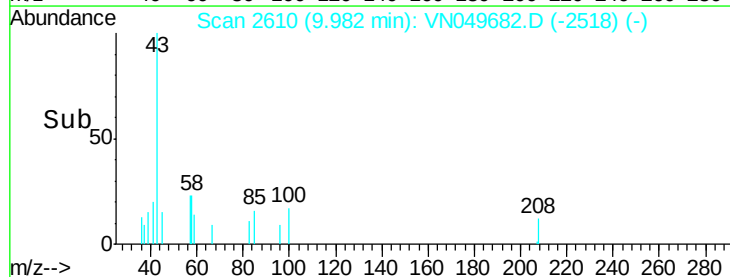
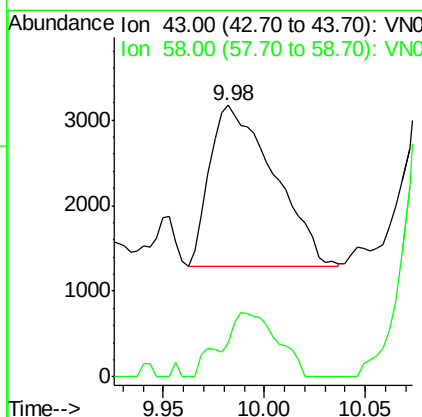
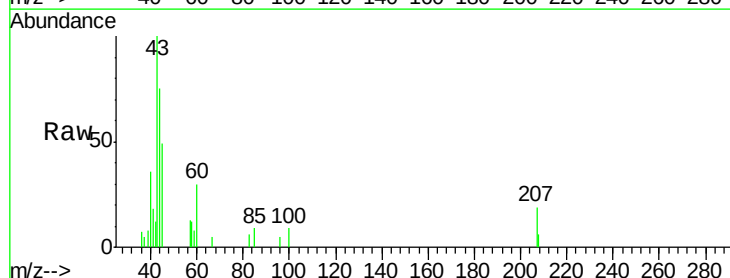
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#09

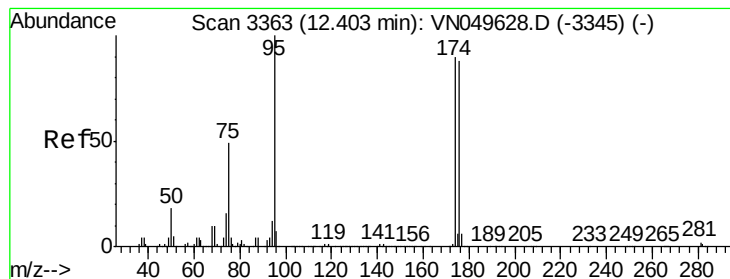
Tot Ion: 98 Resp: 2712119
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.31 ug/l
RT: 9.98 min Scan# 2610
Delta R.T. -0.00 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

Tgt Ion: 43 Resp: 4127
Ion Ratio Lower Upper
43 100
58 34.8 31.8 47.8





#62

4-Bromofluorobenzene

Concen: 37.85 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#09

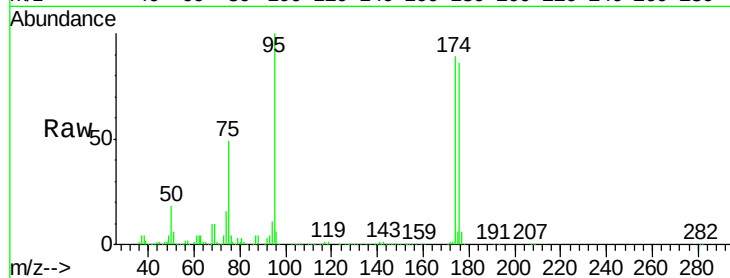
Tot Ion: 95 Resp: 780625

Ion Ratio Lower Upper

95 100

174 90.7 0.0 179.6

176 85.8 0.0 174.0

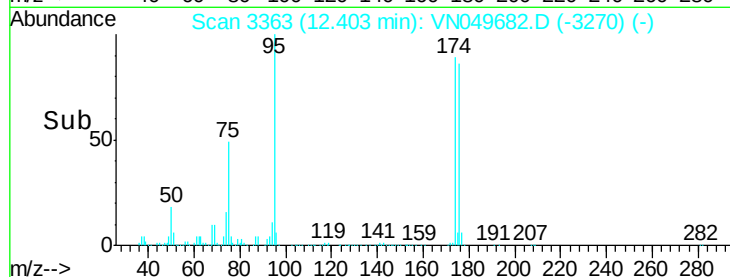


Abundance Ion 94.90 (94.60 to 95.60): VN049682.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049682.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049682.D (-3345) (-)

Time-->



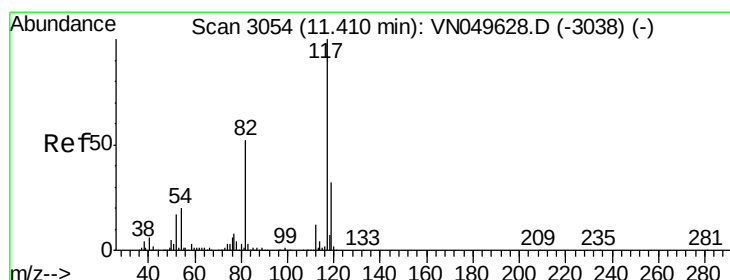
Abundance

Ion 94.90 (94.60 to 95.60): VN049682.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049682.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049682.D (-3345) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

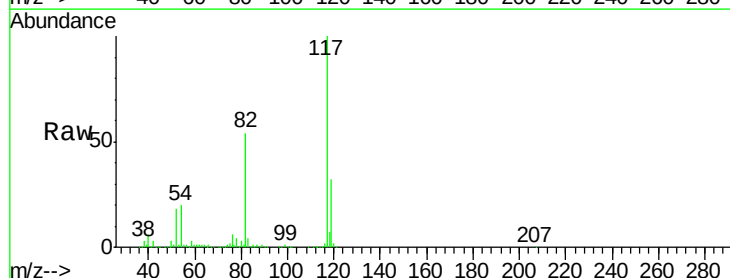
Tgt Ion: 117 Resp: 1678623

Ion Ratio Lower Upper

117 100

82 53.7 41.9 62.9

119 31.7 25.4 38.2

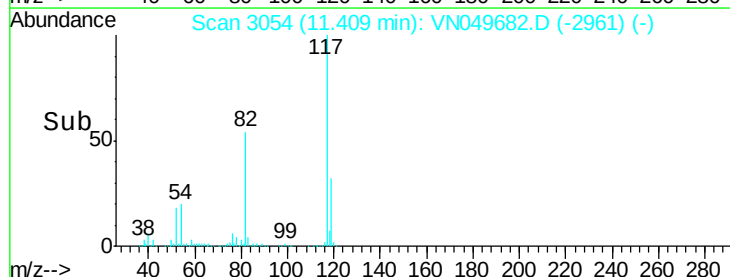


Abundance Ion 116.90 (116.60 to 117.60): VN049682.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049682.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049682.D (-3038) (-)

Time-->



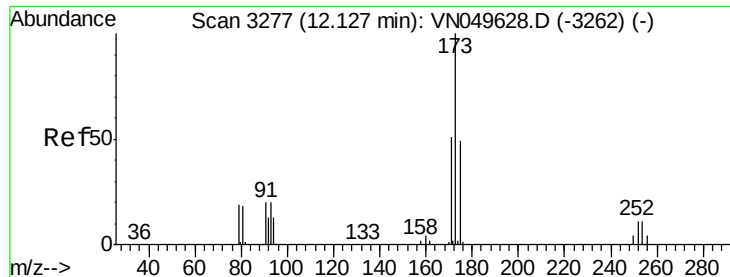
Abundance

Ion 116.90 (116.60 to 117.60): VN049682.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049682.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049682.D (-3038) (-)

Time-->



#71

Bromoform

Concen: 0.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#09

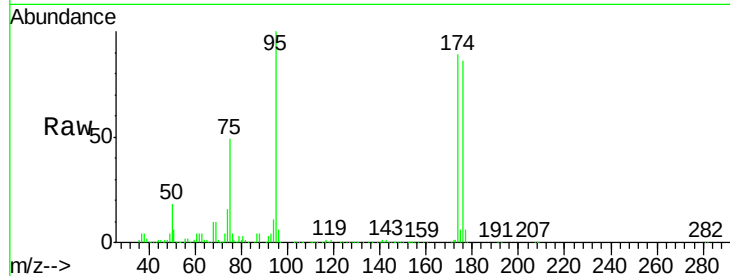
Tot Ion:173 Resp: 6505

Ion Ratio Lower Upper

173 100

175 612.9 24.6 73.8#

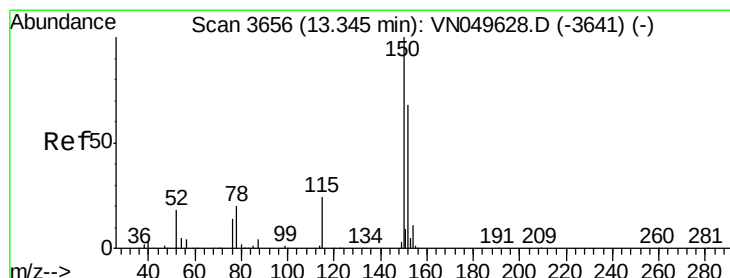
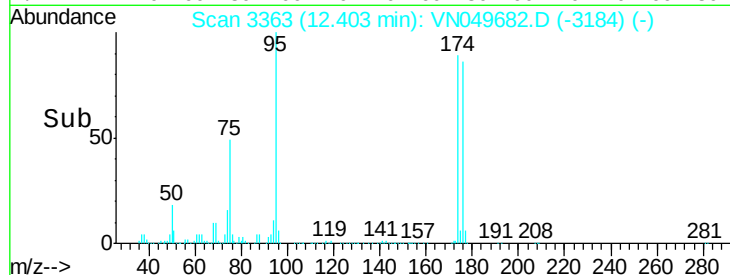
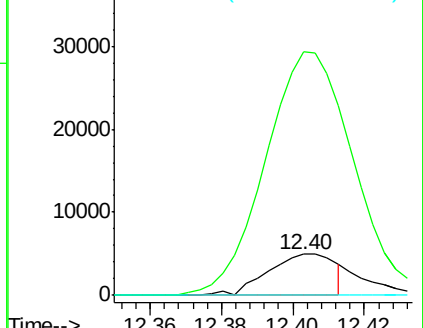
254 0.0 0.2 0.2#



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# 3656

Delta R.T. -0.00 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

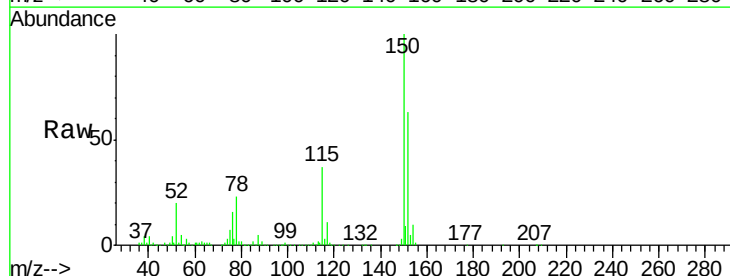
Tgt Ion:152 Resp: 602763

Ion Ratio Lower Upper

152 100

115 56.9 28.1 84.2

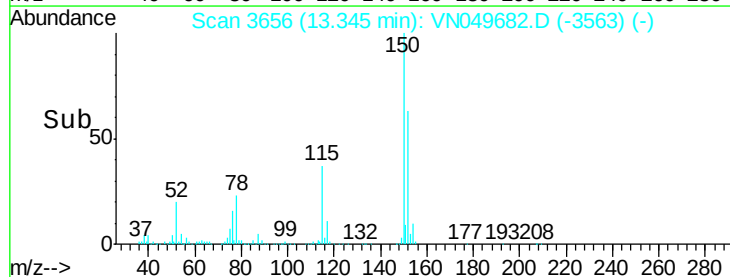
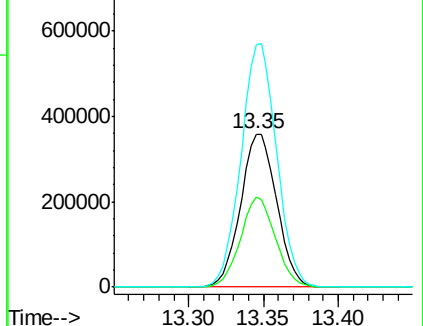
150 156.9 0.0 347.6

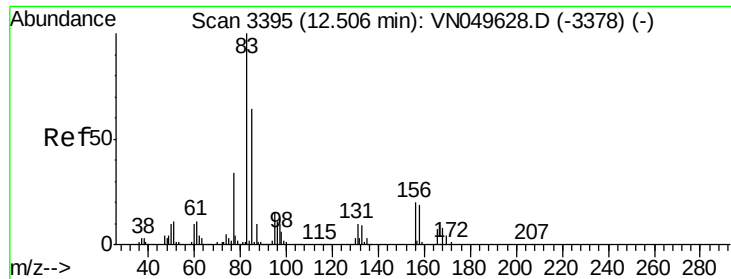


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

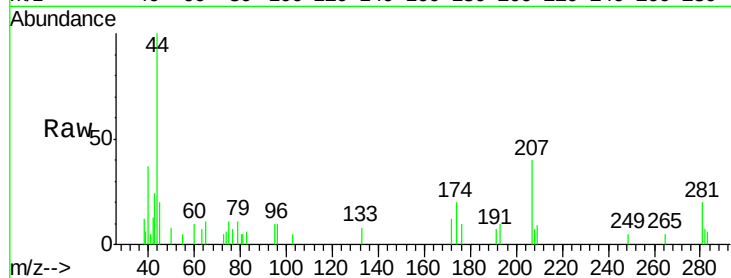




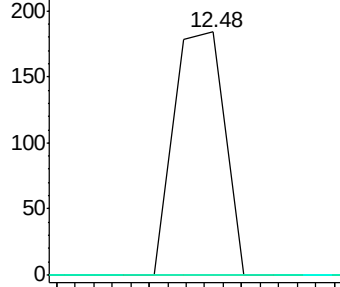
#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.48 min Scan# 3386
 Delta R.T. -0.03 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#09

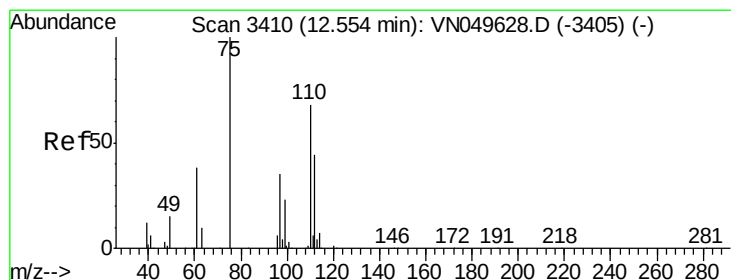
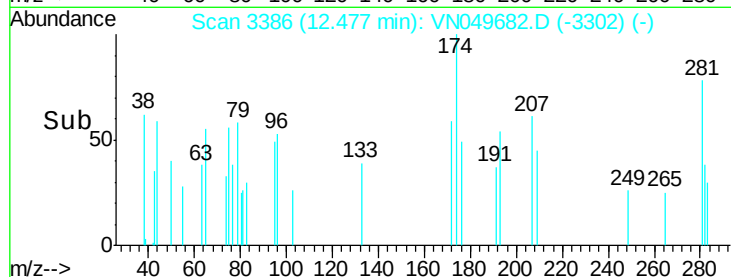
Tot Ion: 83 Resp: 70
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 130.80 (130.50 to 131.50): V
 Ion 84.90 (84.60 to 85.60): VN0

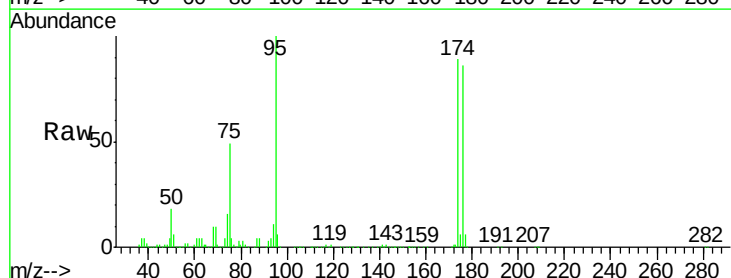


Time--> 12.46 12.47 12.48

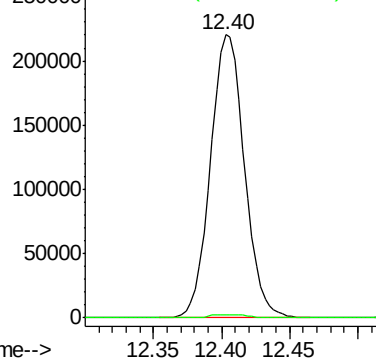


#76
 1,2,3-Trichloropropane
 Concen: 39.36 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

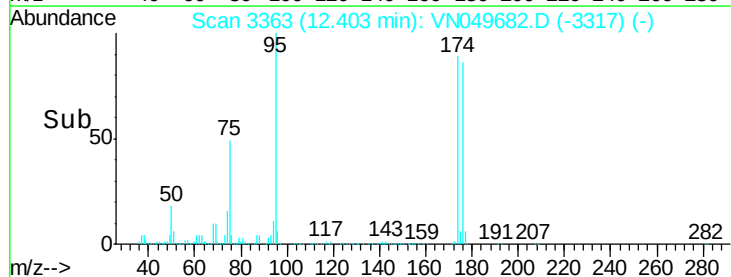
Tgt Ion: 75 Resp: 380512
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#

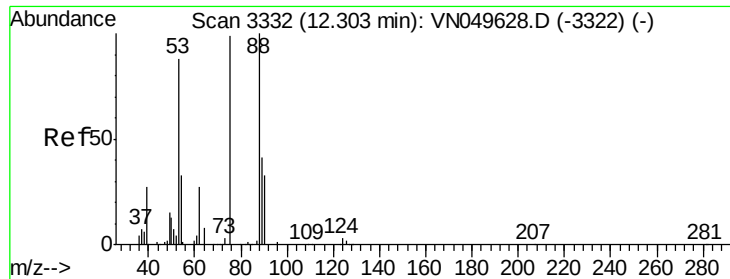


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 77.00 (76.70 to 77.70): VN0



Time--> 12.35 12.40 12.45





#81

trans-1,4-Dichloro-2-butene

Concen: 133.69 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#09

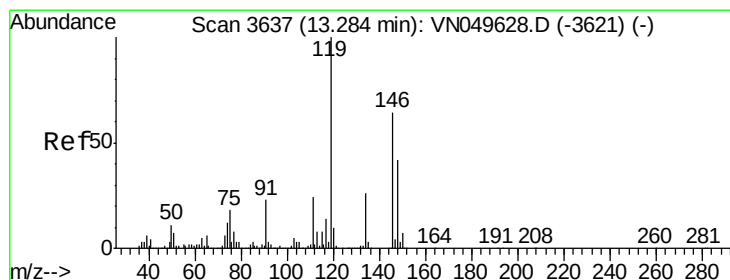
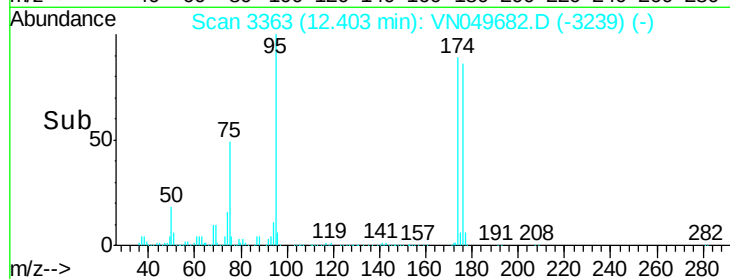
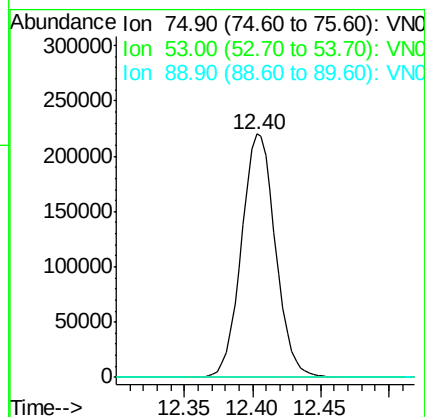
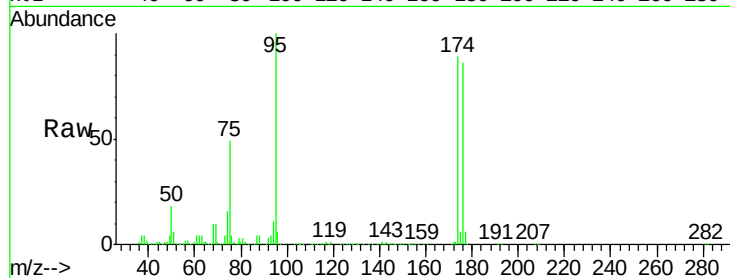
Tot Ion: 75 Resp: 380512

Ion Ratio Lower Upper

75 100

53 0.2 73.9 110.9#

89 0.0 35.9 53.9#



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VN049682.D

Acq: 2 Jul 2018 20:46

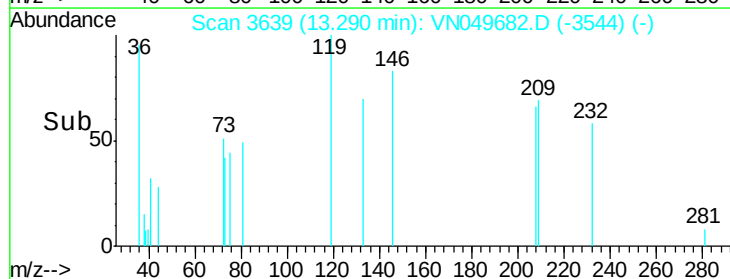
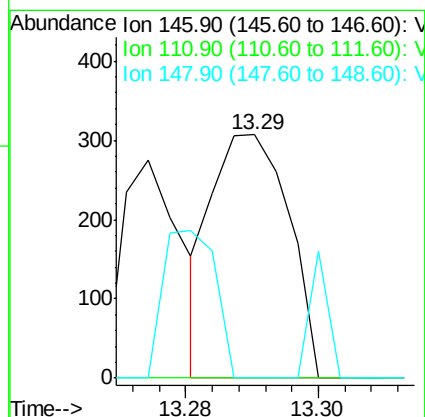
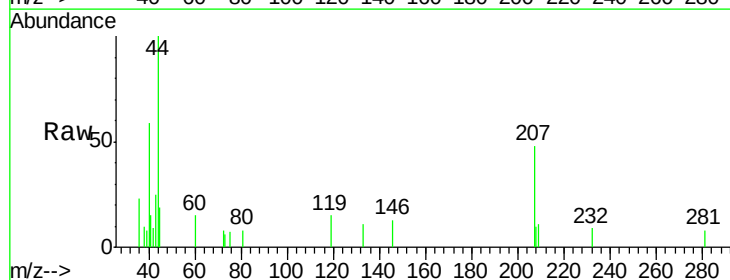
Tgt Ion: 146 Resp: 246

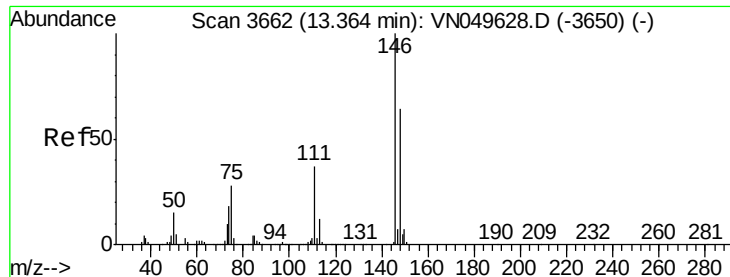
Ion Ratio Lower Upper

146 100

111 0.0 19.0 57.0#

148 0.0 32.5 97.5#

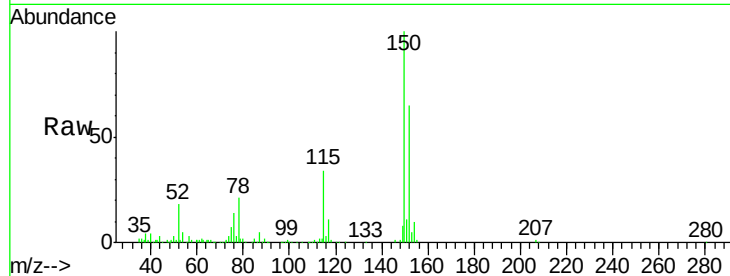




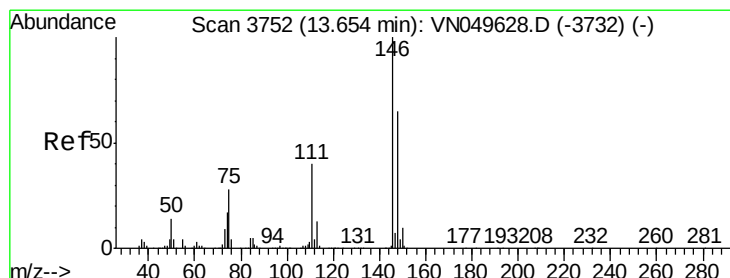
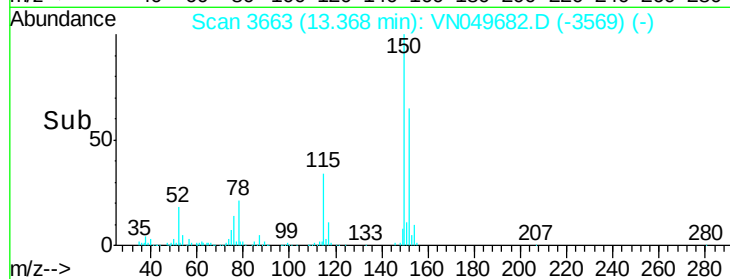
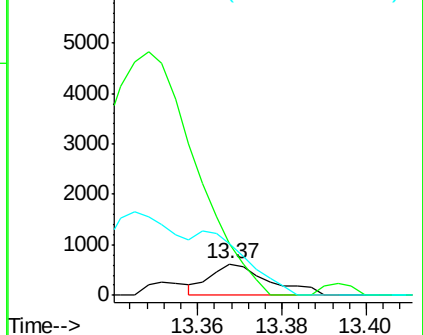
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#09

Tot Ion:146 Resp: 590
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.5#
 148 0.0 32.1 96.3#

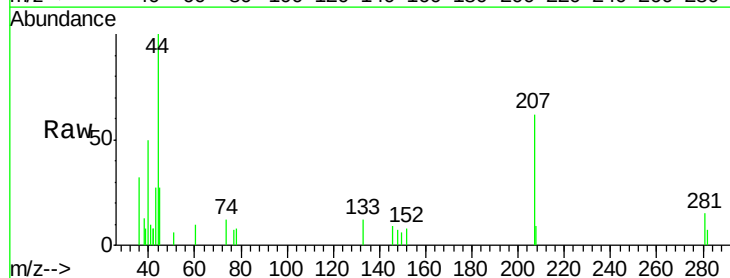


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

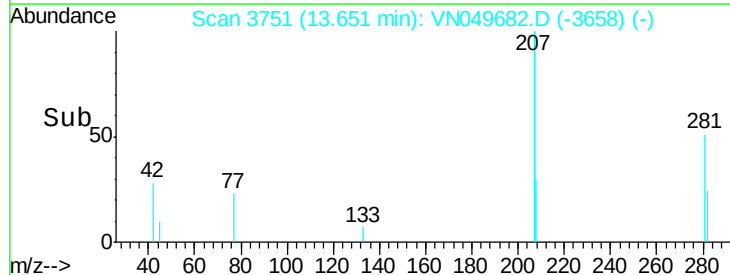
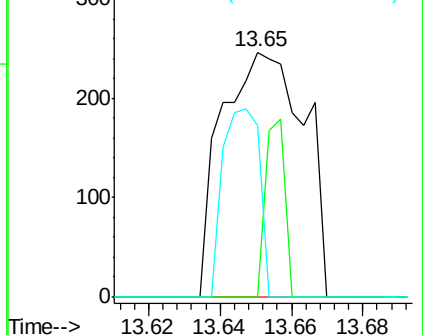


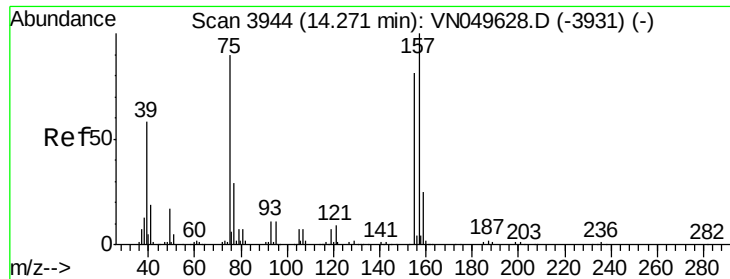
#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.65 min Scan# 3751
 Delta R.T. -0.00 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Tgt Ion:146 Resp: 393
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.7 59.1#
 148 34.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

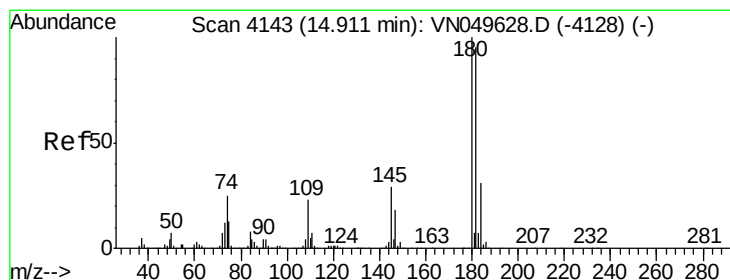
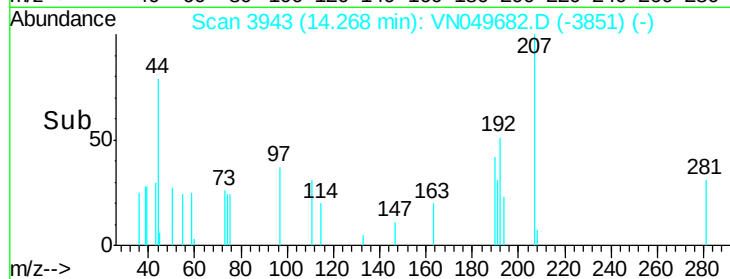
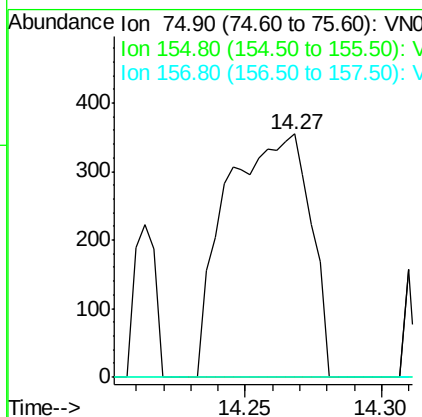
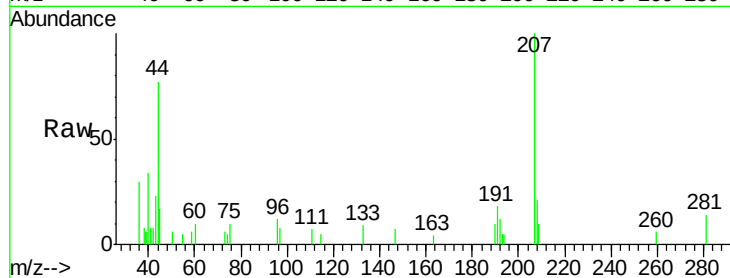




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

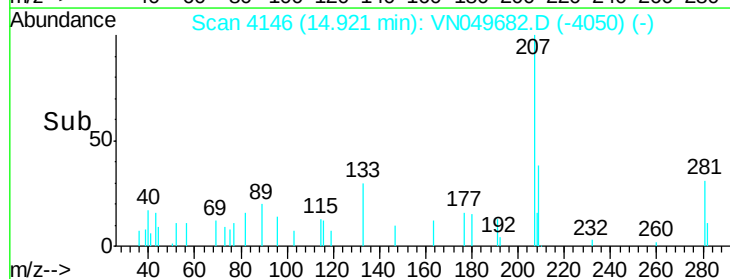
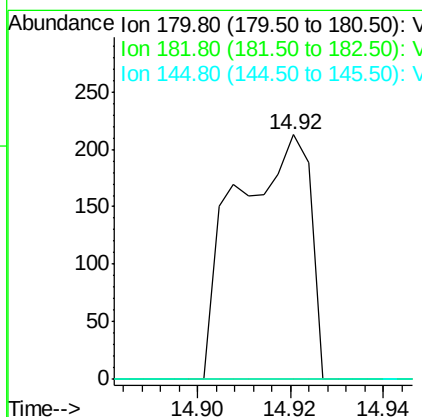
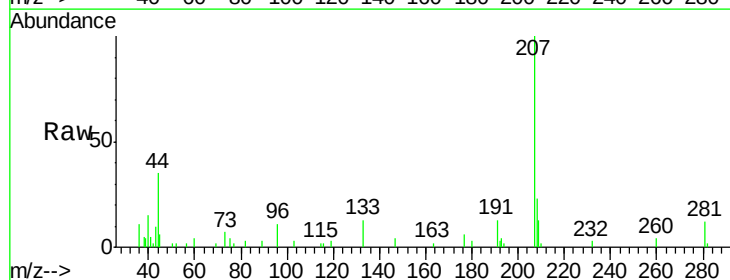
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#09

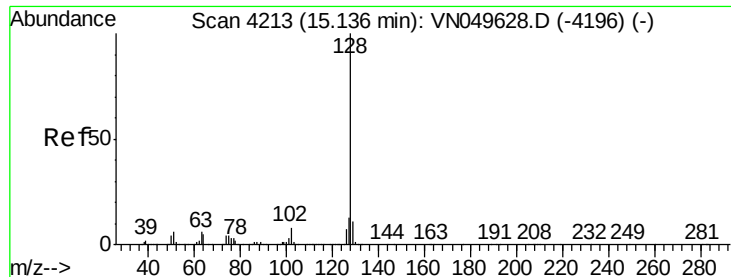
Tot Ion: 75 Resp: 755
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.42 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.01 min
 Lab File: VN049682.D
 Acq: 2 Jul 2018 20:46

Tgt Ion: 180 Resp: 235
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 0.0 14.4 43.0#





#95
Naphthalene
Concen: 4.06 ug/l
RT: 15.14 min Scan# 4215
Delta R.T. 0.01 min
Lab File: VN049682.D
Acq: 2 Jul 2018 20:46

Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#09

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

