

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049680.D
 Acq On : 2 Jul 2018 19:55
 Operator : MD\SY
 Sample : PB110744 ZHE#07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#07

Quant Time: Jul 03 03:50:22 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	1233085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2023133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1674888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	671366	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	852275	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
35) Dibromofluoromethane	7.59	113	711845	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	10.09	98	2706411	45.71	ug/l	0.00
Spiked Amount			Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.40	95	782179	38.70	ug/l	0.00
Spiked Amount			Recovery	=	77.40%	

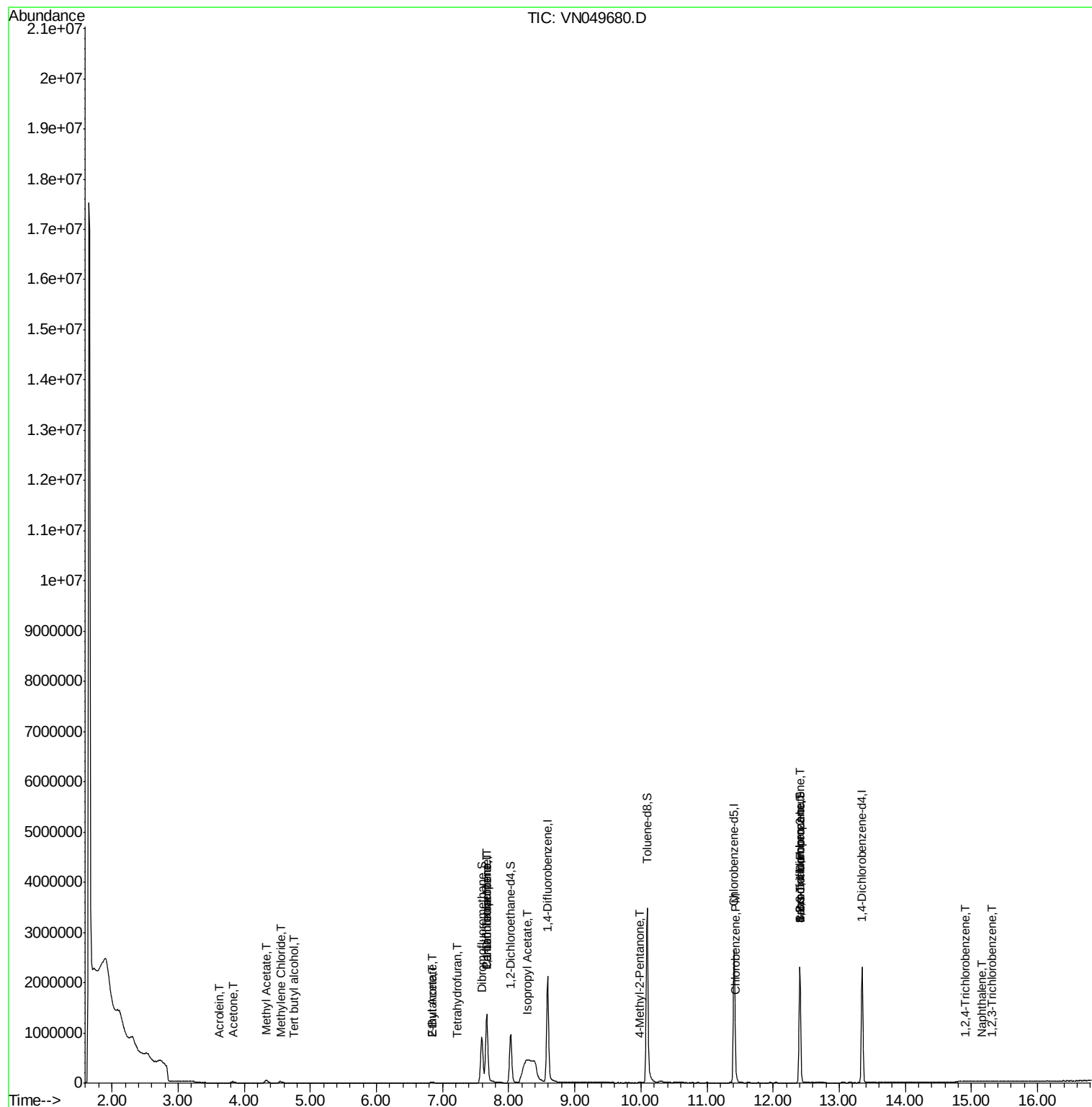
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	308	0.33	ug/l #	72
13) Acrolein	3.61	56	877	1.00	ug/l #	36
16) Acetone	3.83	43	46191	6.34	ug/l	99
17) Carbon Disulfide	4.06	76	2022	Below Cal	#	70
18) Methyl Acetate	4.33	43	111345	2.55	ug/l	94
20) Methylene Chloride	4.55	84	18358	1.09	ug/l	92
25) 2-Butanone	6.85	43	7850	1.45	ug/l #	87
29) Tetrahydrofuran	7.22	42	1394	0.40	ug/l #	86
36) 1,1-Dichloropropene	7.67	75	84115	3.70	ug/l #	44
37) Ethyl Acetate	6.85	43	7850	0.59	ug/l #	79
38) Carbon Tetrachloride	7.67	117	110379	4.99	ug/l #	16
43) Isopropyl Acetate	8.29	43	867034	32.69	ug/l #	62
51) 4-Methyl-2-Pentanone	9.99	43	3981	0.31	ug/l	97
65) Chlorobenzene	11.44	112	9075	0.21	ug/l	94
71) Bromoform	12.40	173	5484	0.53	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	235	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	390822	36.30	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	390822	123.28	ug/l #	13
87) 1,3-Dichlorobenzene	13.28	146	265	Below Cal	#	70
88) 1,4-Dichlorobenzene	13.36	146	570	Below Cal	#	1
91) 1,2-Dichlorobenzene	13.65	146	284	Below Cal	#	54
92) 1,2-Dibromo-3-Chloropropan	14.26	75	531	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	237	2.42	ug/l #	53
95) Naphthalene	15.14	128	995	4.07	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.32	180	222	1.67	ug/l #	12

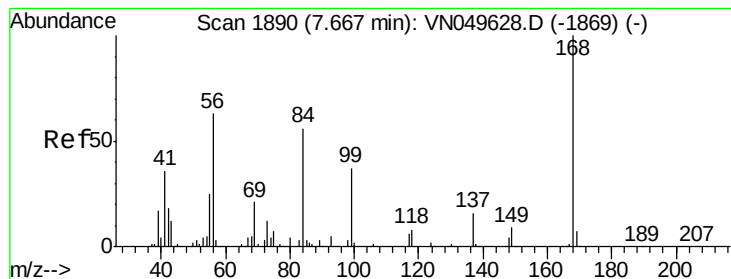
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1890

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

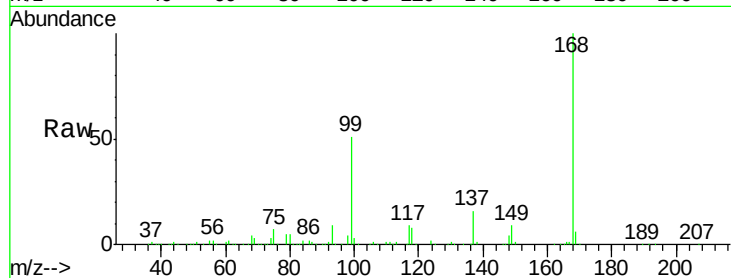
PB110744 ZHE#07

Tot Ion:168 Resp: 1233085

Ion Ratio Lower Upper

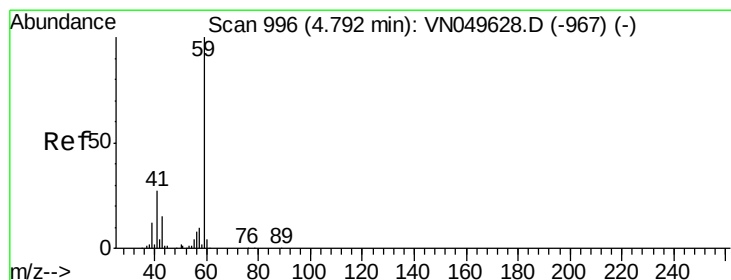
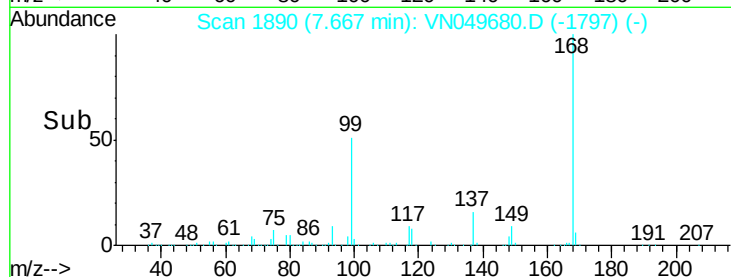
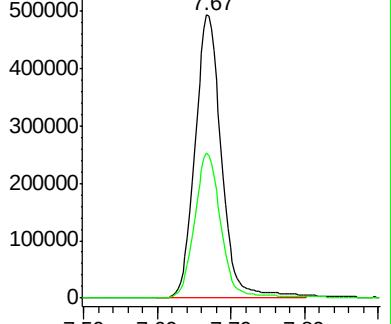
168 100

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



#11

Tert butyl alcohol

Concen: 0.33 ug/l

RT: 4.77 min Scan# 988

Delta R.T. -0.03 min

Lab File: VN049680.D

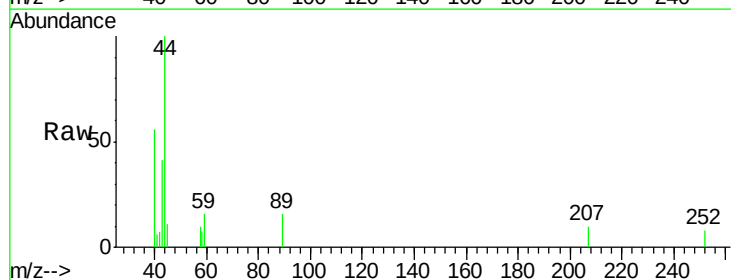
Acq: 2 Jul 2018 19:55

Tgt Ion: 59 Resp: 308

Ion Ratio Lower Upper

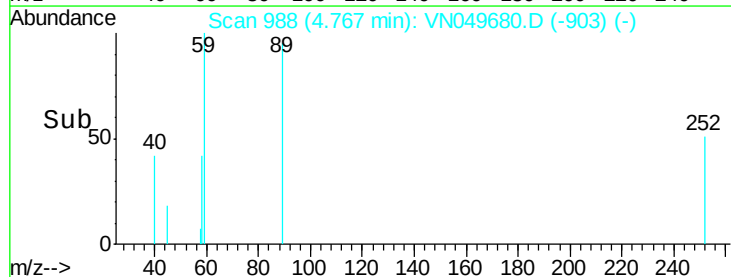
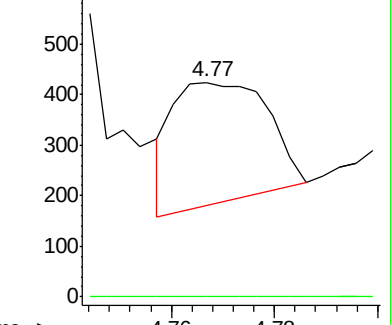
59 100

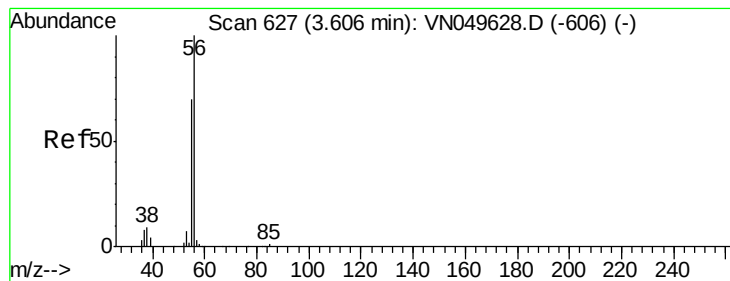
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 1.00 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

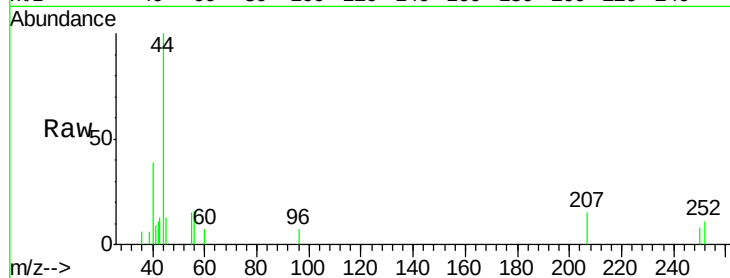
PB110744 ZHE#07

Tot Ion: 56 Resp: 877

Ion Ratio Lower Upper

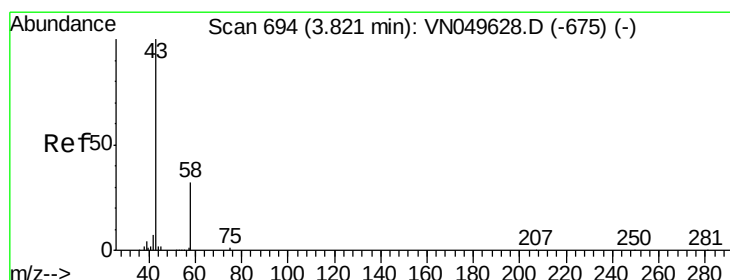
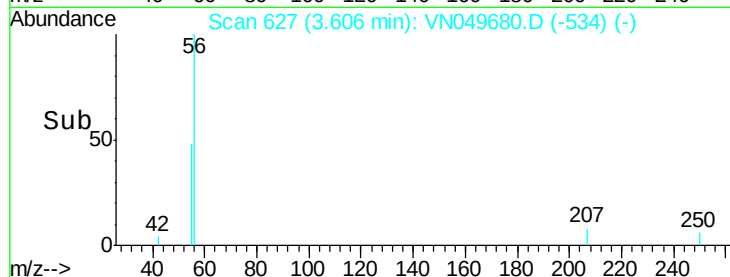
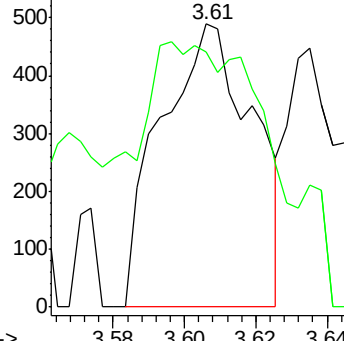
56 100

55 122.5 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: 6.34 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049680.D

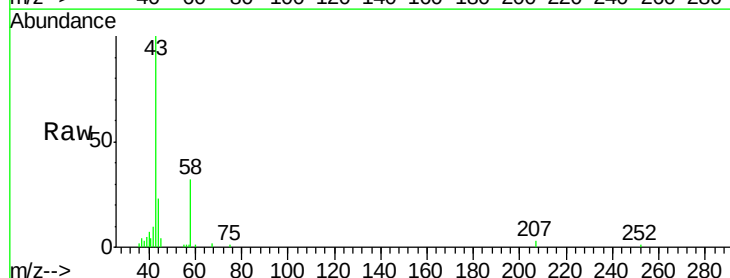
Acq: 2 Jul 2018 19:55

Tgt Ion: 43 Resp: 46191

Ion Ratio Lower Upper

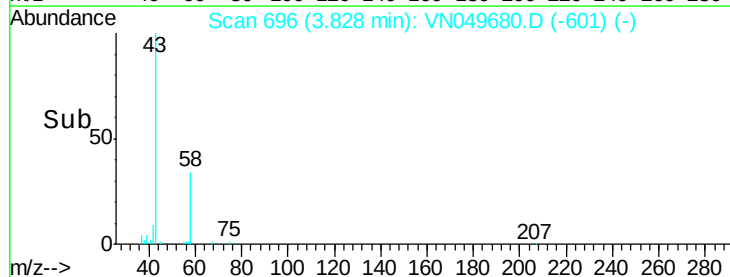
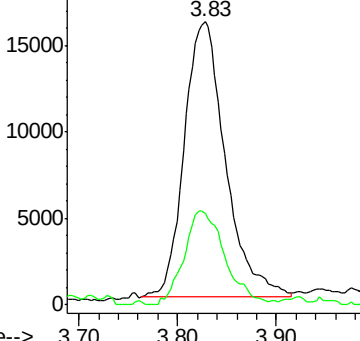
43 100

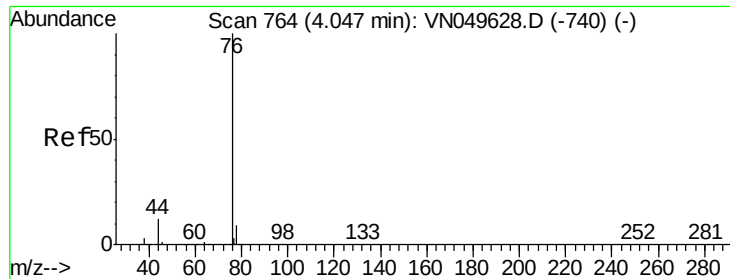
58 32.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

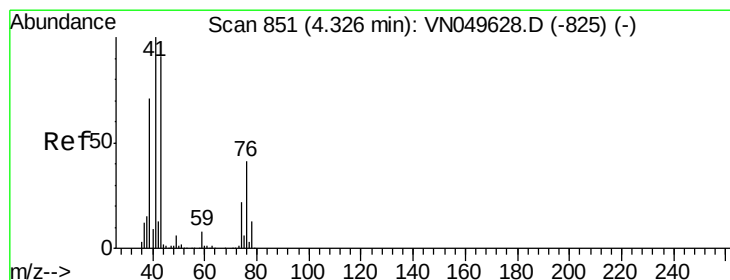
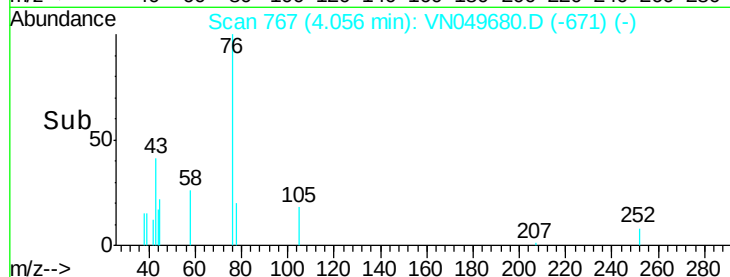
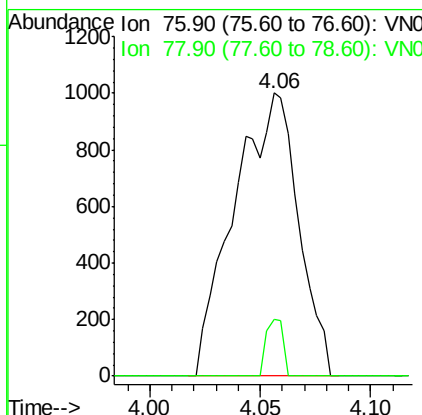
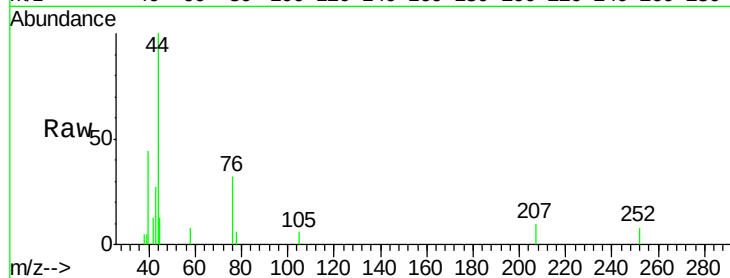




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.06 min Scan# 767
Delta R.T. 0.01 min
Lab File: VN049680.D
Acq: 2 Jul 2018 19:55

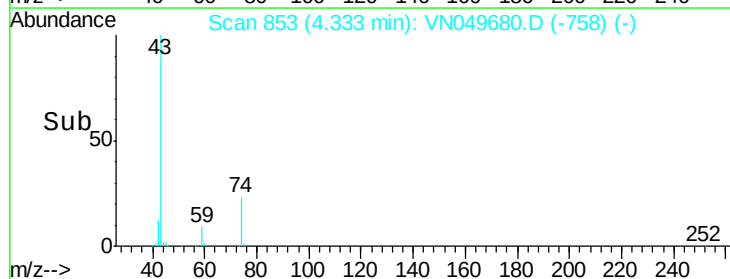
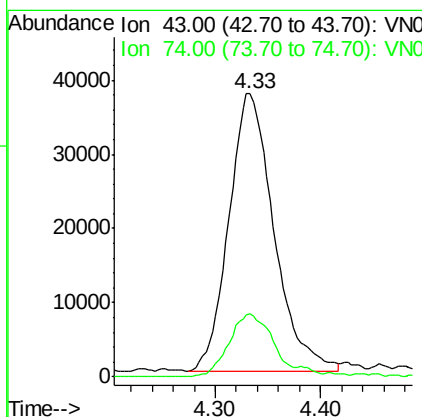
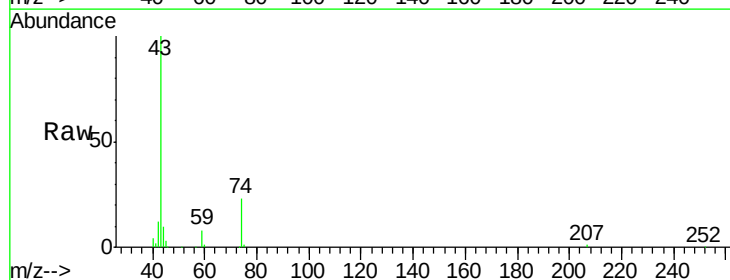
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#07

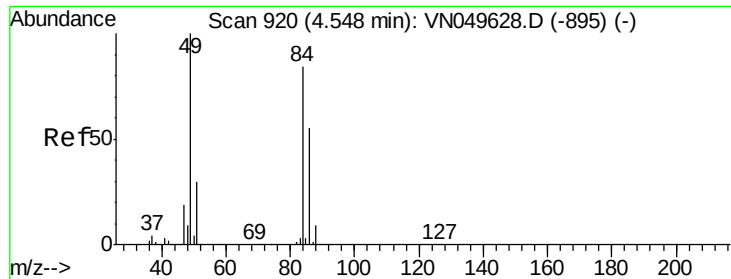
Tot Ion: 76 Resp: 2022
Ion Ratio Lower Upper
76 100
78 19.9 7.1 10.7#



#18
Methyl Acetate
Concen: 2.55 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049680.D
Acq: 2 Jul 2018 19:55

Tgt Ion: 43 Resp: 111345
Ion Ratio Lower Upper
43 100
74 21.9 19.8 29.8

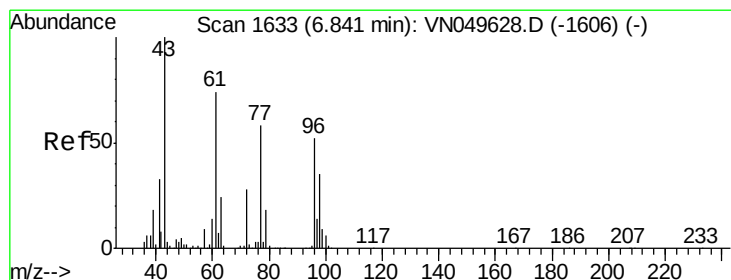
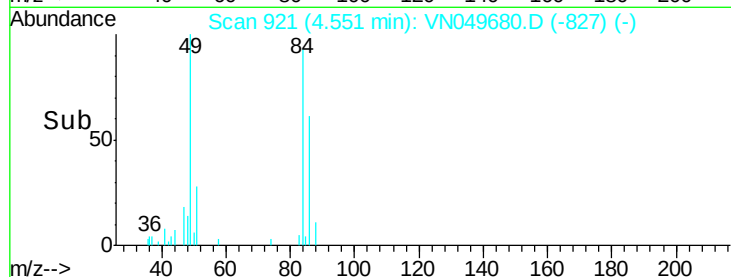
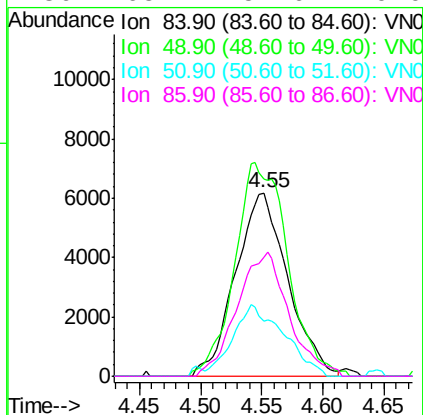
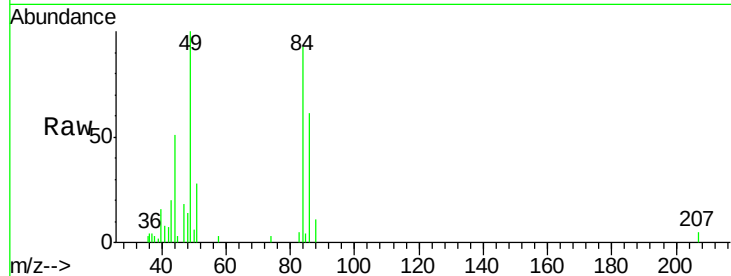




#20
Methvlene Chloride
Concen: 1.09 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049680.D
Acq: 2 Jul 2018 19:55

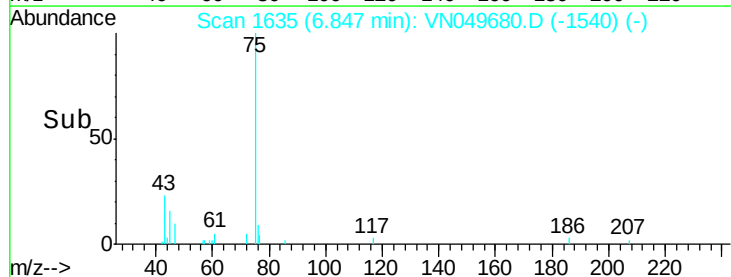
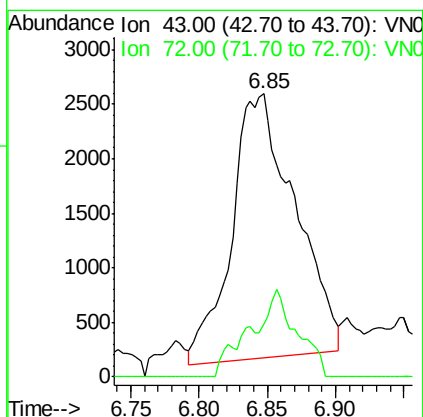
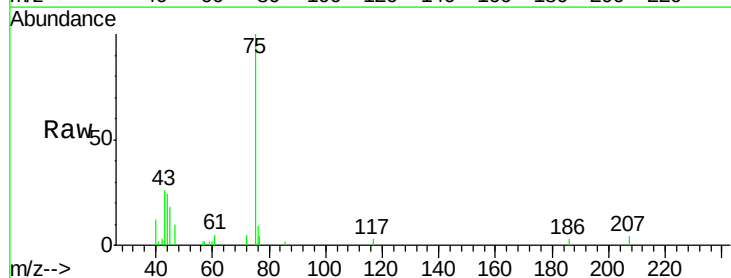
Instrument :
MSVOA_N
ClientSampleId :
PB110744 ZHE#07

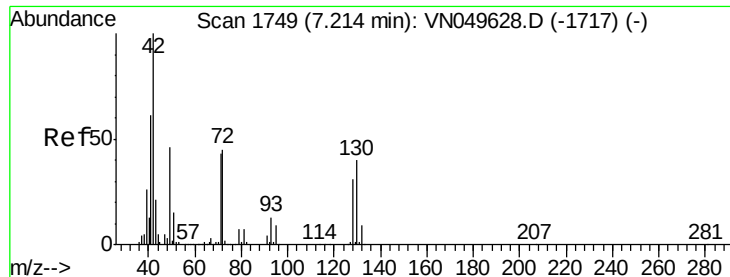
Tot Ion: 84 Resp: 18358
Ion Ratio Lower Upper
84 100
49 107.4 95.4 143.2
51 29.9 28.4 42.6
86 65.2 52.6 79.0



#25
2-Butanone
Concen: 1.45 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049680.D
Acq: 2 Jul 2018 19:55

Tgt Ion: 43 Resp: 7850
Ion Ratio Lower Upper
43 100
72 20.8 22.1 33.1#

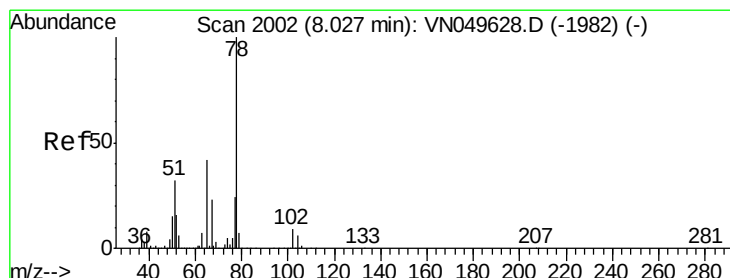
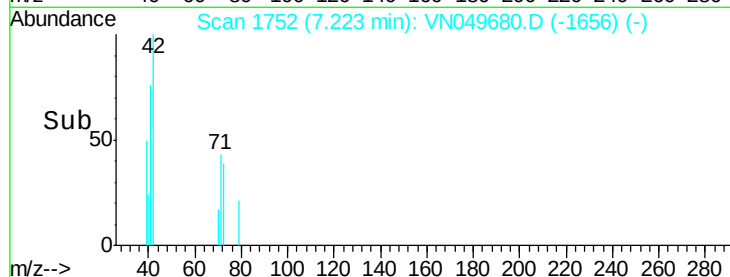
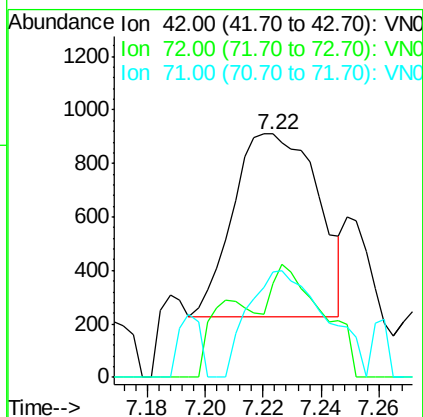
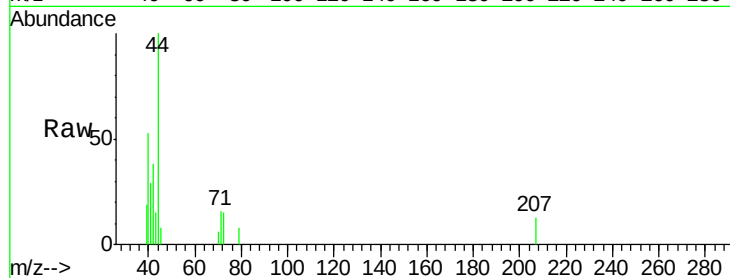




#29
Tetrahydrofuran
Concen: 0.40 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049680.D
Acq: 2 Jul 2018 19:55

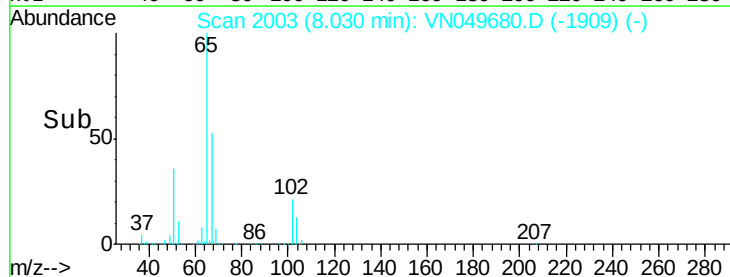
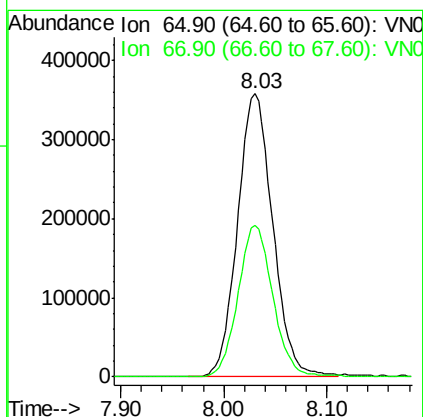
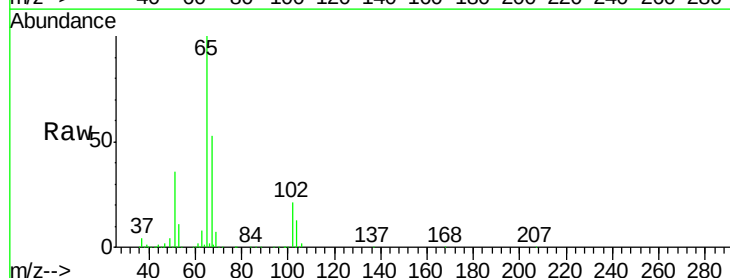
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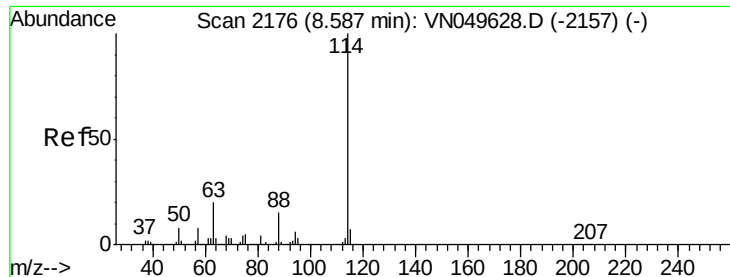
Tot Ion: 42 Resp: 1394
Ion Ratio Lower Upper
42 100
72 37.0 35.6 53.4
71 53.0 34.0 51.0#



#33
1,2-Dichloroethane-d4
Concen: 52.34 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049680.D
Acq: 2 Jul 2018 19:55

Tgt Ion: 65 Resp: 852275
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# 2177

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#07

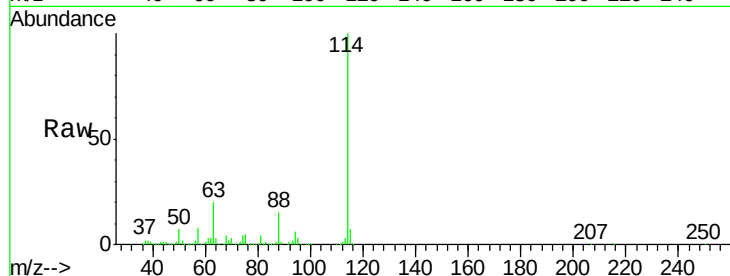
Tot Ion:114 Resp: 2023133

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

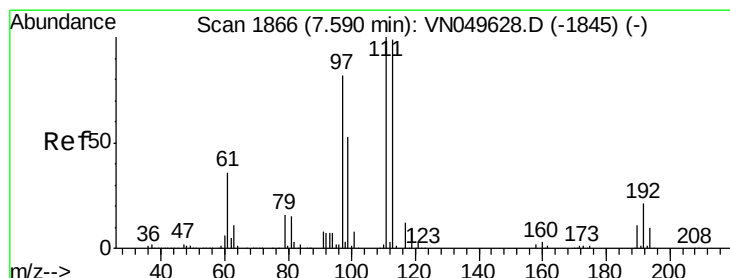
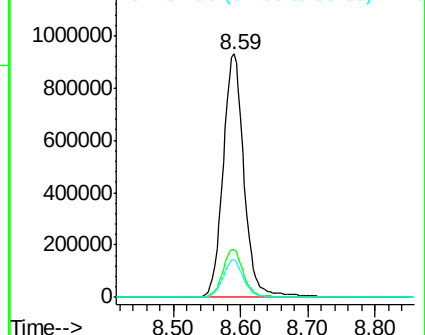
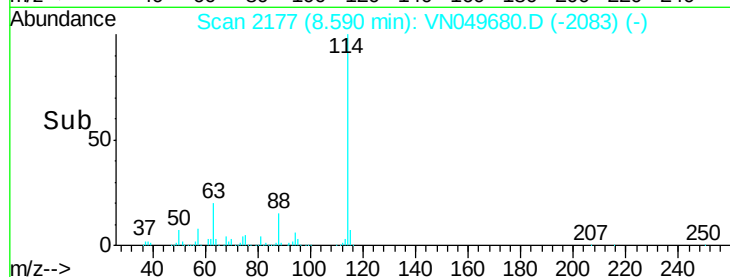
88 15.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.06 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

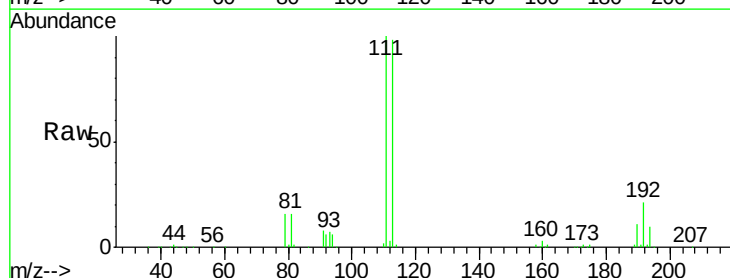
Tgt Ion:113 Resp: 711845

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

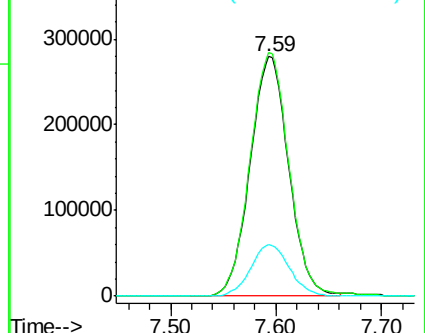
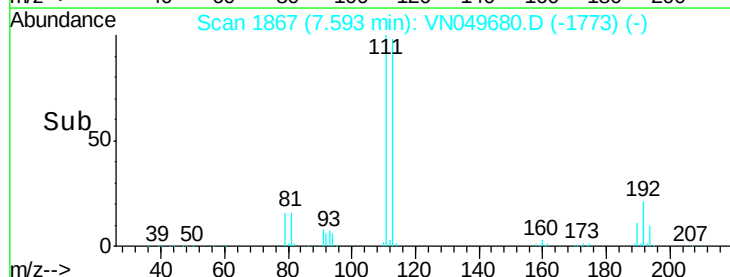
192 21.7 17.8 26.6

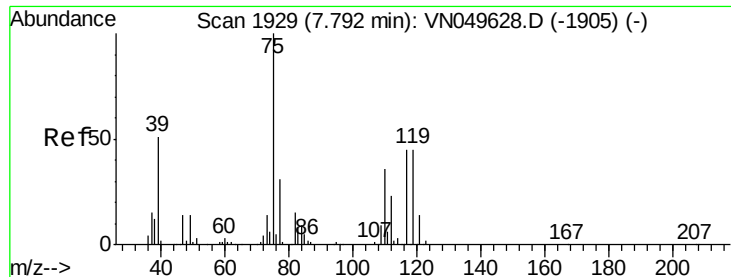


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.70 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#07

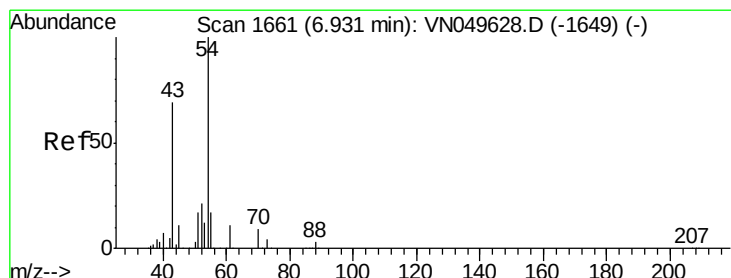
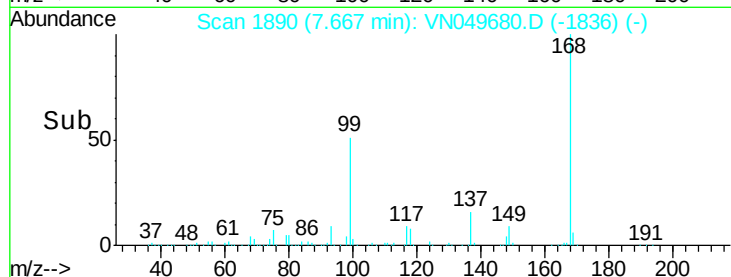
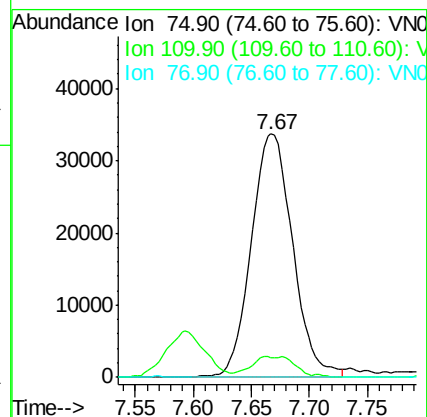
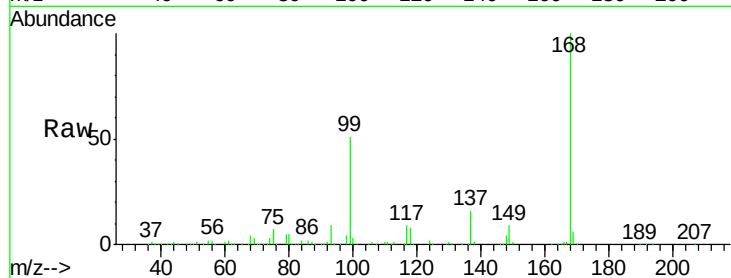
Tot Ion: 75 Resp: 84115

Ion Ratio Lower Upper

75 100

110 3.4 18.1 54.4#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.59 ug/l

RT: 6.85 min Scan# 1635

Delta R.T. -0.08 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

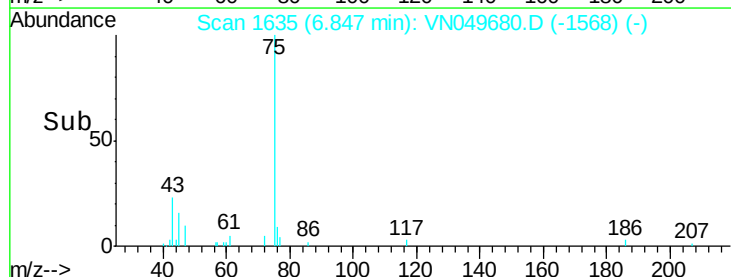
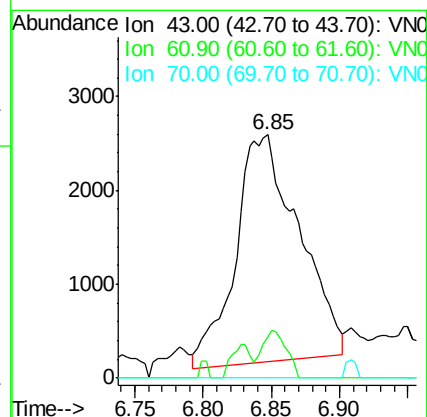
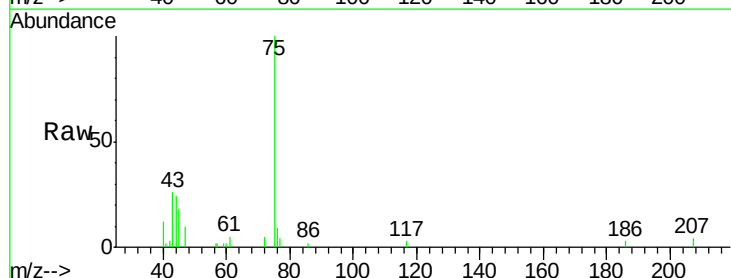
Tgt Ion: 43 Resp: 7850

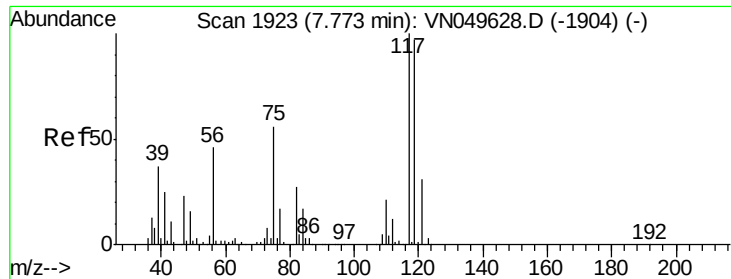
Ion Ratio Lower Upper

43 100

61 8.0 11.7 17.5#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 4.99 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#07

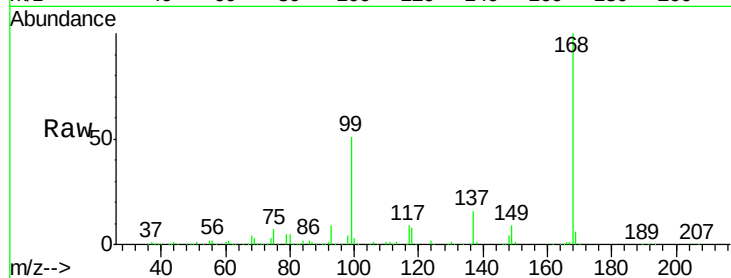
Tot Ion:117 Resp: 110379

Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

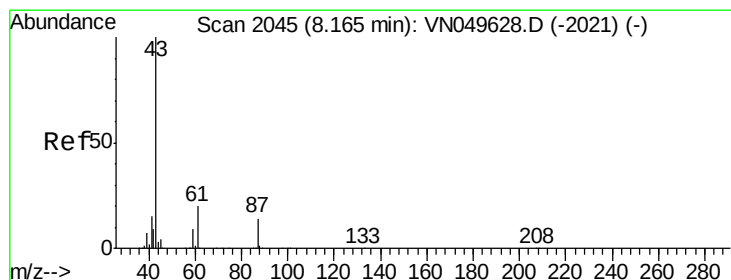
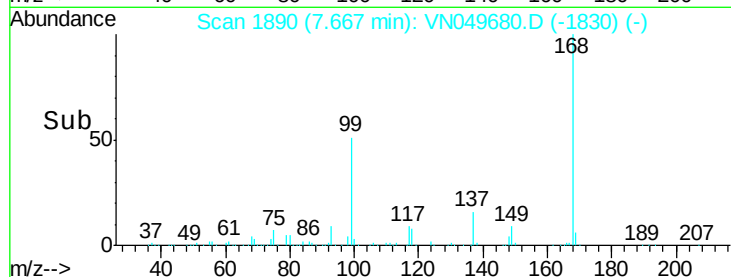
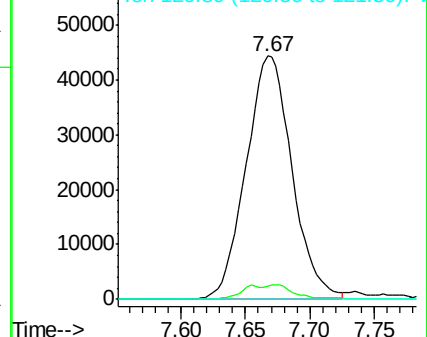
121 0.0 25.0 37.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 32.69 ug/l

RT: 8.29 min Scan# 2084

Delta R.T. 0.13 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

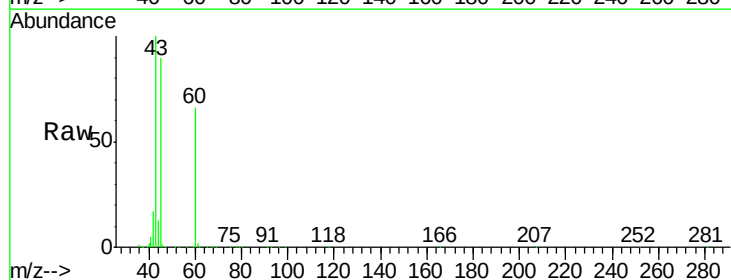
Tgt Ion: 43 Resp: 867034

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

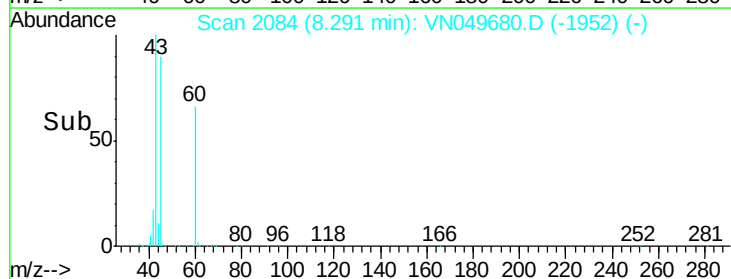
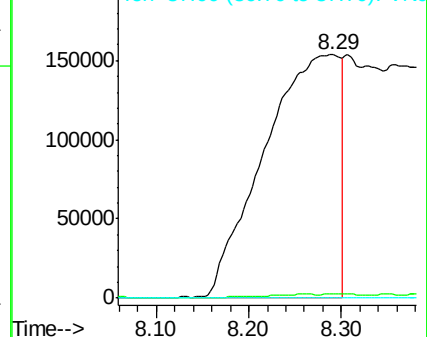
87 0.0 10.0 15.0#

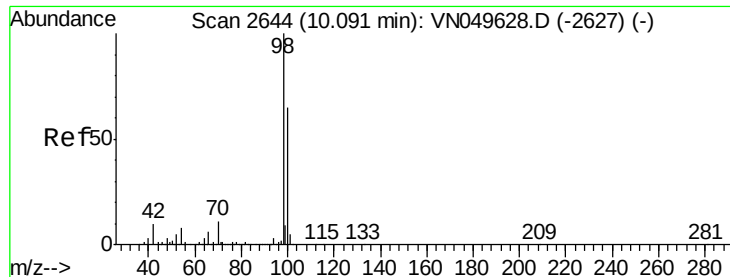


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 45.71 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

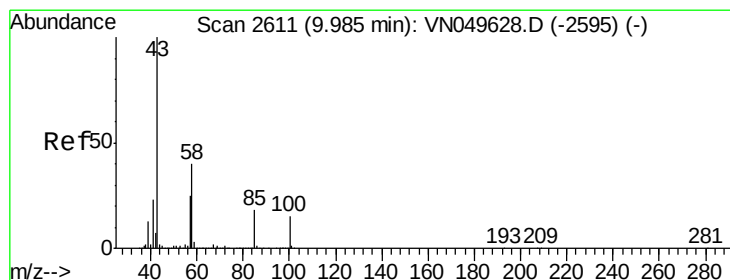
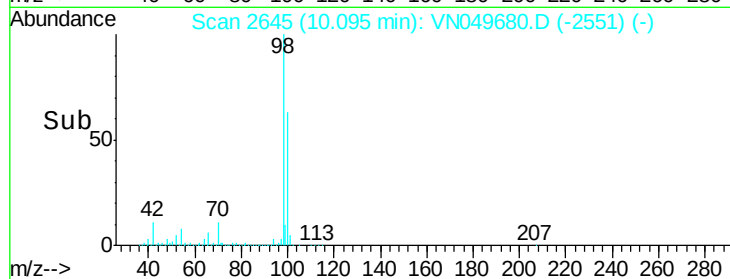
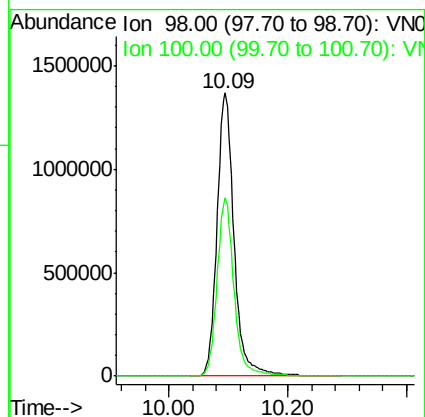
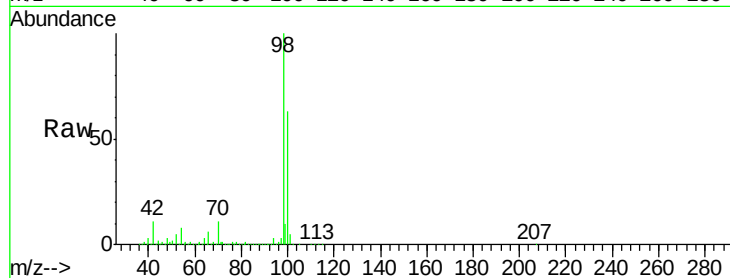
PB110744 ZHE#07

Tot Ion: 98 Resp: 2706411

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.31 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN049680.D

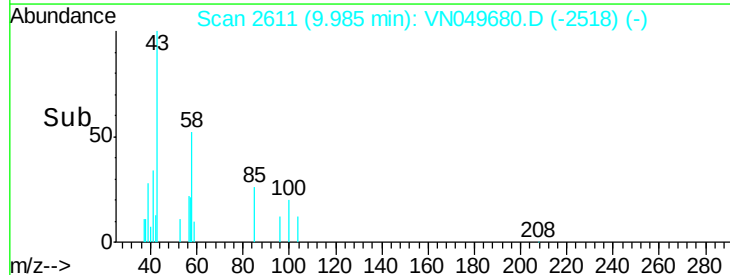
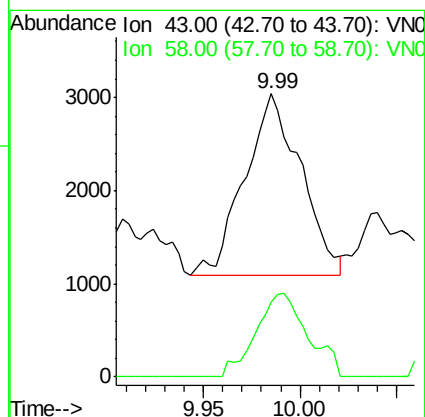
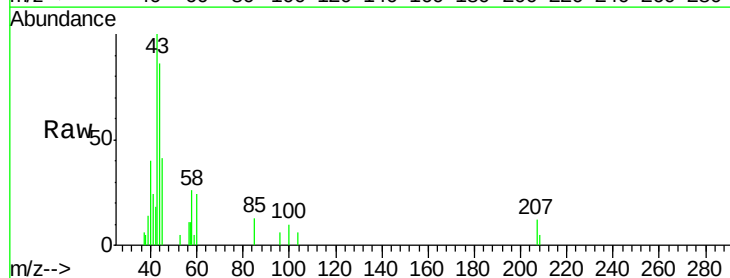
Acq: 2 Jul 2018 19:55

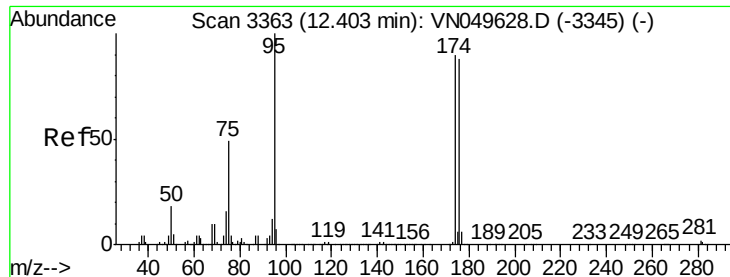
Tgt Ion: 43 Resp: 3981

Ion Ratio Lower Upper

43 100

58 41.9 31.8 47.8





#62

4-Bromofluorobenzene

Concen: 38.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

PB110744 ZHE#07

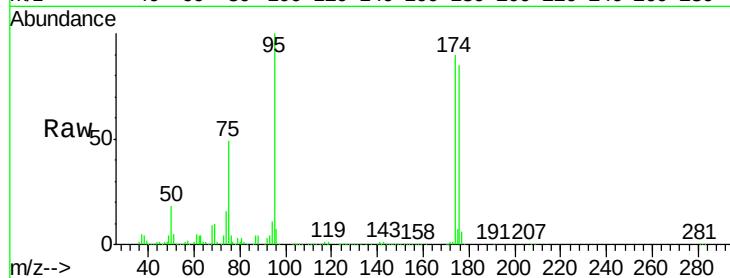
Tot Ion: 95 Resp: 782179

Ion Ratio Lower Upper

95 100

174 92.9 0.0 179.6

176 87.5 0.0 174.0

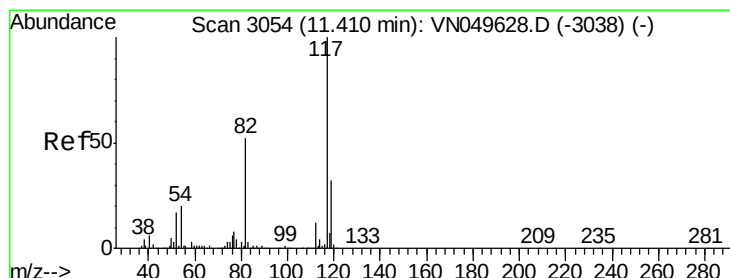
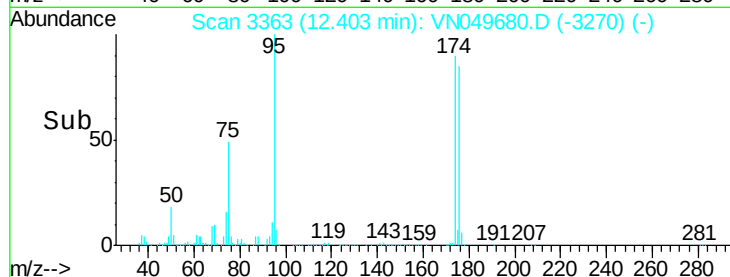


Abundance Ion 94.90 (94.60 to 95.60): VN049680.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049680.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049680.D (-3345) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

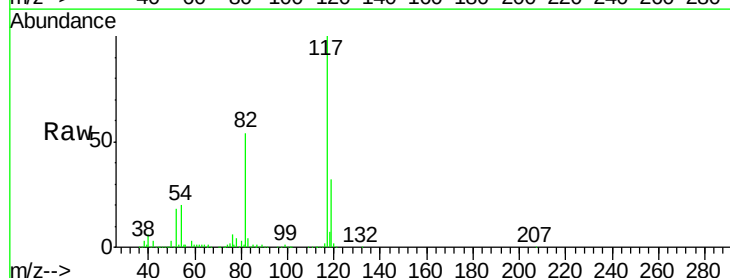
Tgt Ion: 117 Resp: 1674888

Ion Ratio Lower Upper

117 100

82 54.3 41.9 62.9

119 31.8 25.4 38.2

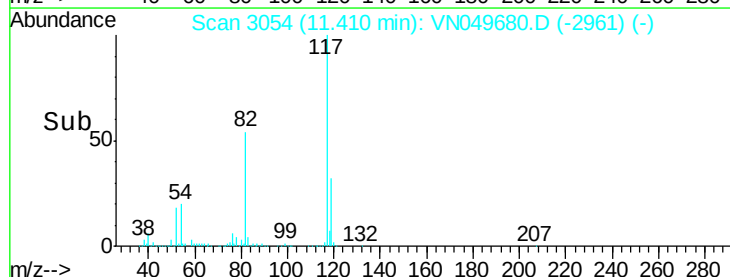


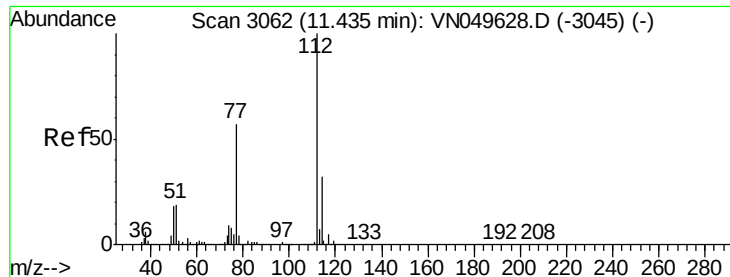
Abundance Ion 116.90 (116.60 to 117.60): VN049680.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049680.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049680.D (-3038) (-)

Time--> 11.30 11.40 11.50





#65

Chlorobenzene

Concen: 0.21 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

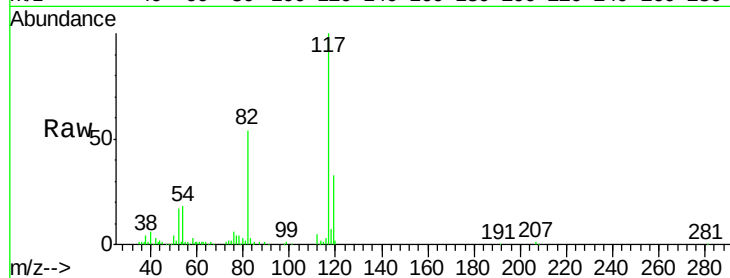
PB110744 ZHE#07

Tot Ion:112 Resp: 9075

Ion Ratio Lower Upper

112 100

114 35.1 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

5000

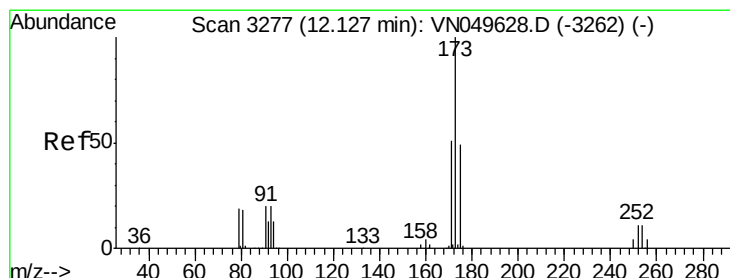
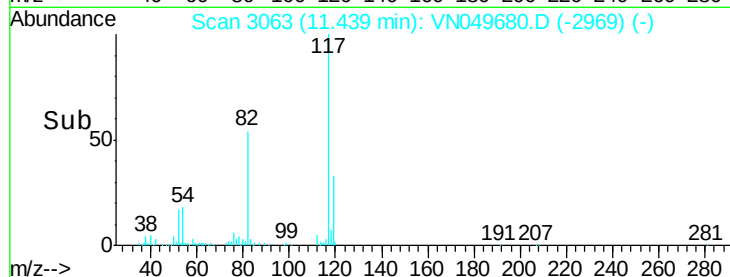
4000

3000

2000

1000

Time--> 11.35 11.40 11.45 11.50



#71

Bromoform

Concen: 0.53 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

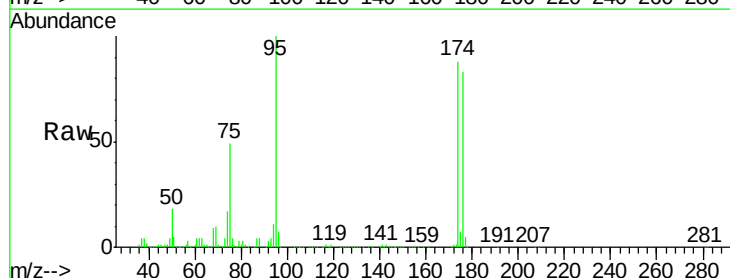
Tgt Ion:173 Resp: 5484

Ion Ratio Lower Upper

173 100

175 774.3 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

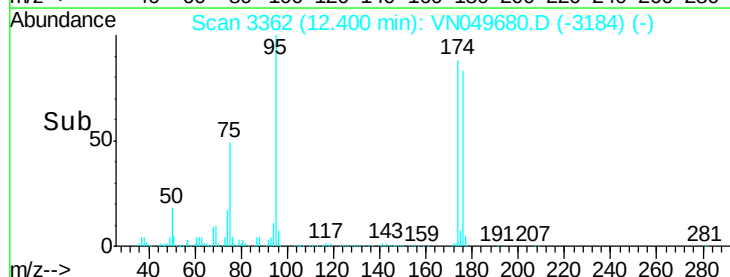
40000

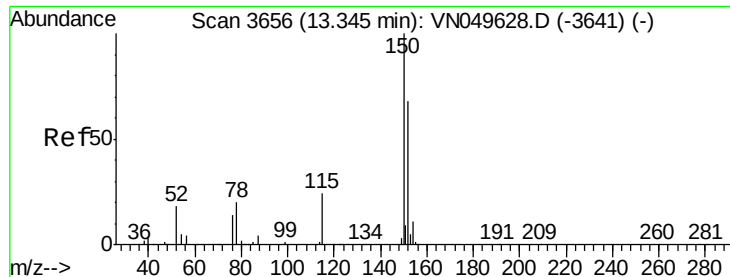
30000

20000

10000

Time--> 12.36 12.38 12.40 12.42

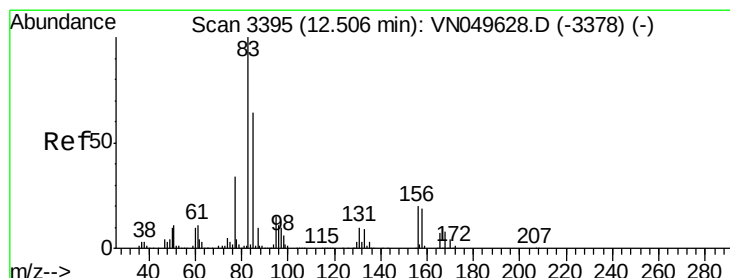
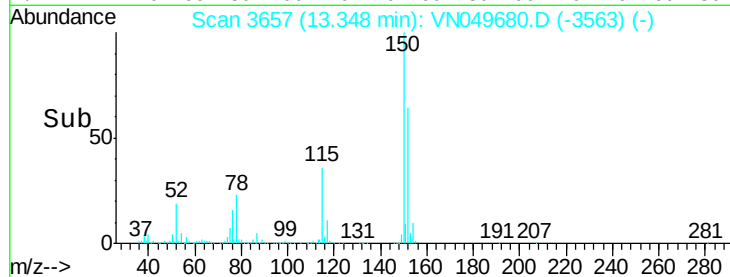
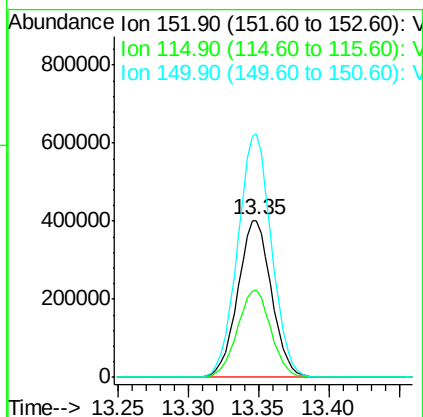
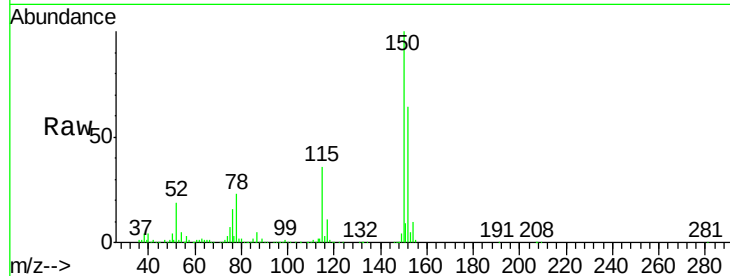




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3657
 Delta R.T. 0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

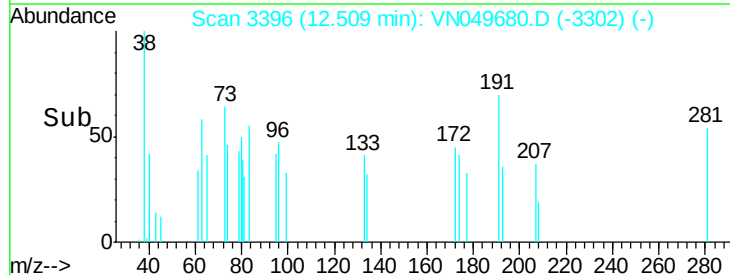
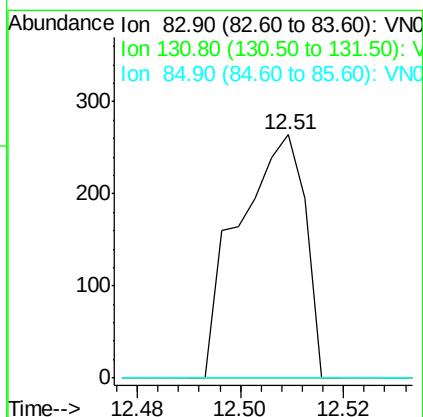
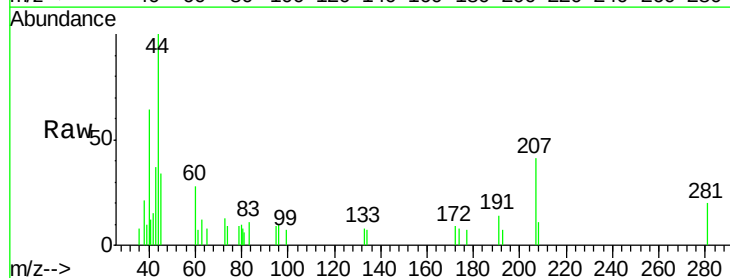
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#07

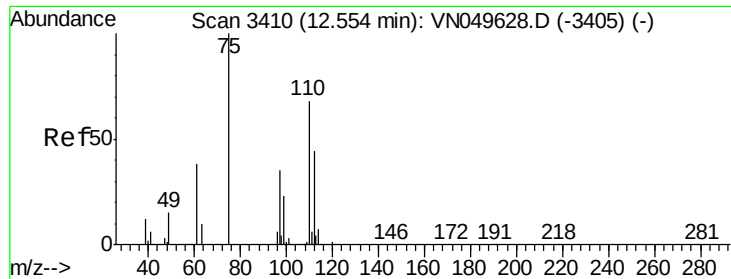
Tot Ion:152 Resp: 671366
 Ion Ratio Lower Upper
 152 100
 115 55.4 28.1 84.2
 150 155.6 0.0 347.6



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

Tgt Ion: 83 Resp: 235
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.2 15.6#
 85 0.0 32.5 97.4#





#76

1,2,3-Trichloropropane

Concen: 36.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

Instrument :

MSVOA_N

ClientSampleId :

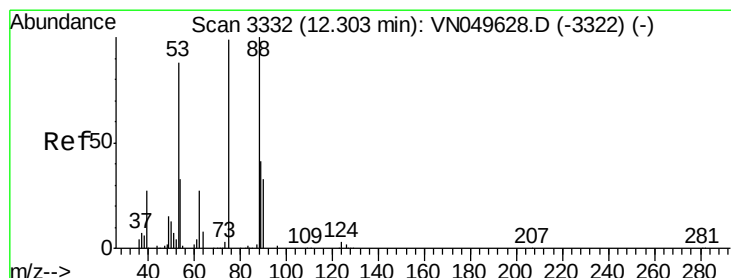
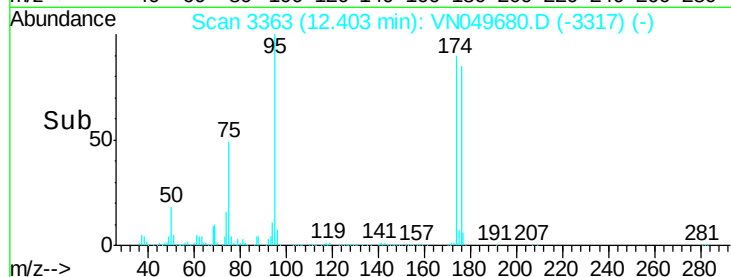
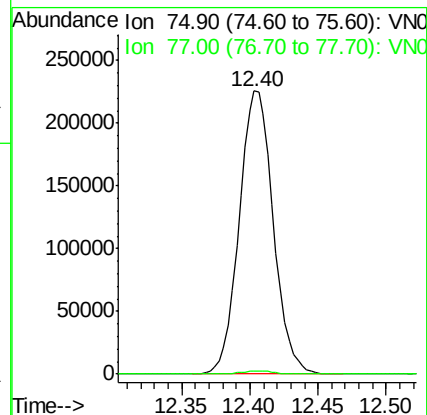
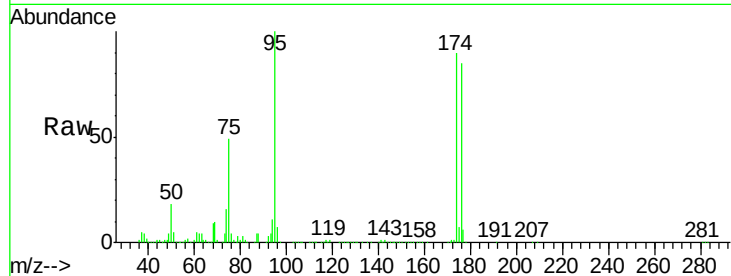
PB110744 ZHE#07

Tot Ion: 75 Resp: 390822

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.28 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049680.D

Acq: 2 Jul 2018 19:55

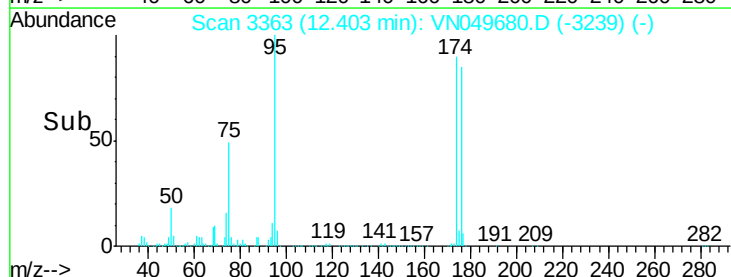
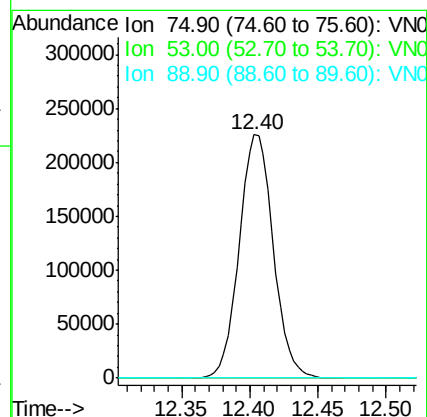
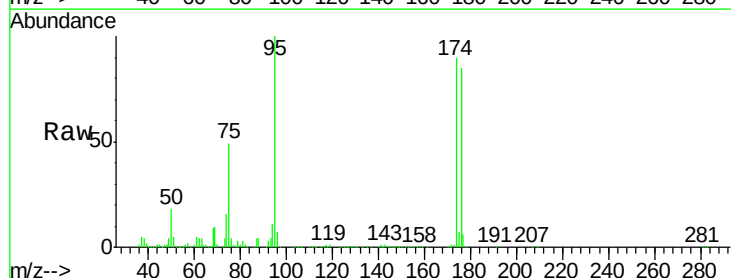
Tgt Ion: 75 Resp: 390822

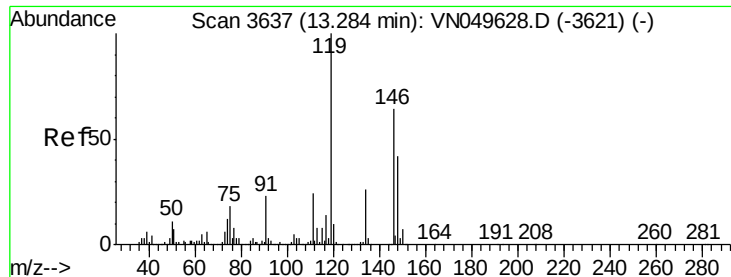
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 35.9 53.9#

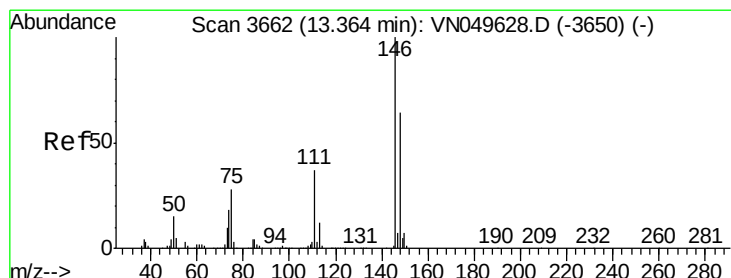
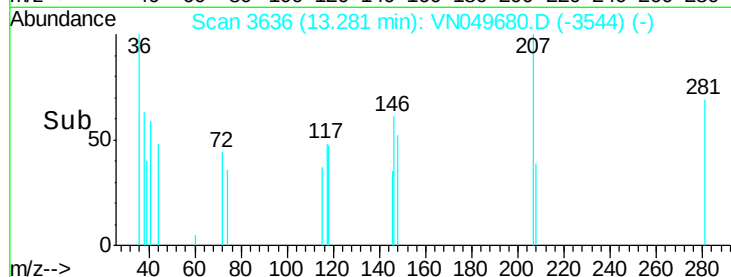
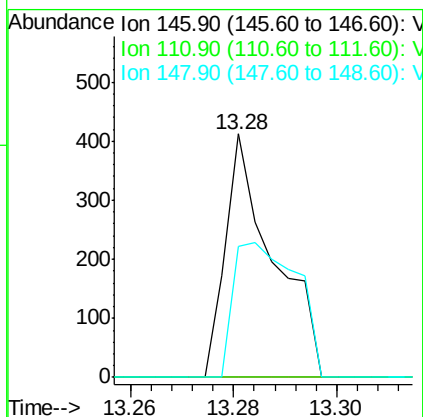
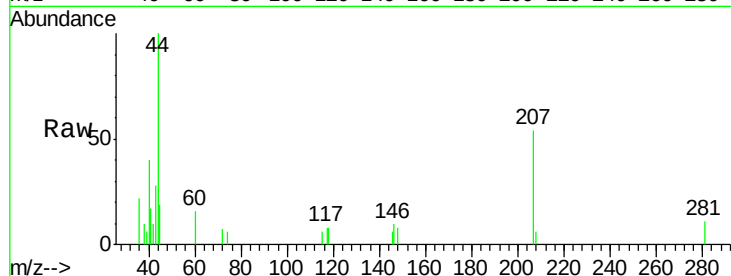




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

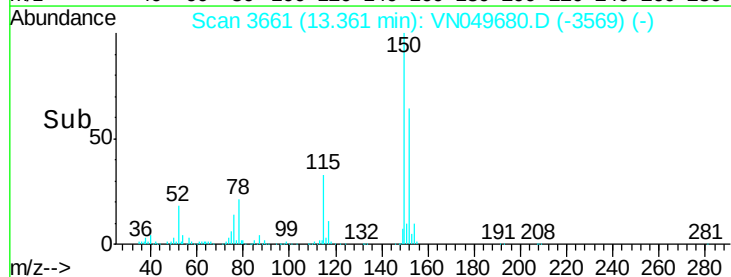
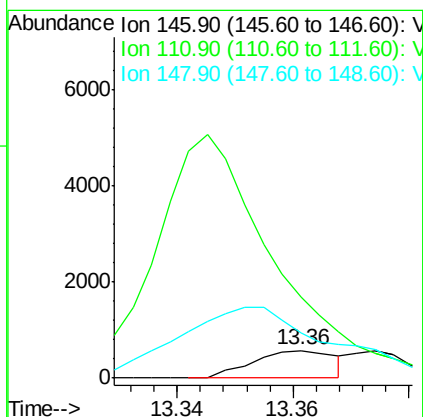
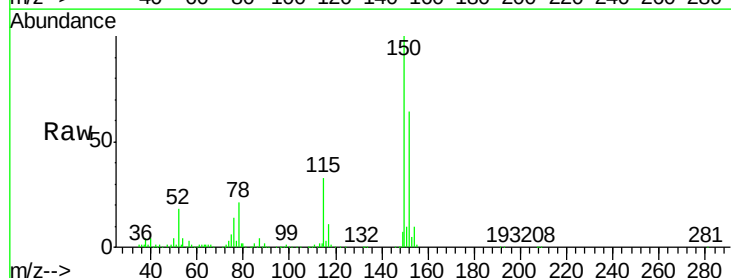
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#07

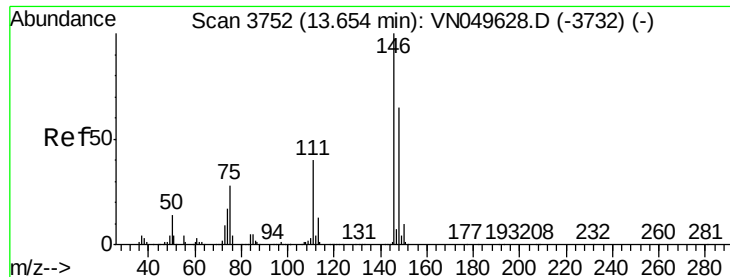
Tot Ion:146 Resp: 265
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.0 57.0#
 148 73.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

Tgt Ion:146 Resp: 570
 Ion Ratio Lower Upper
 146 100
 111 1292.5 18.9 56.5#
 148 478.4 32.1 96.3#

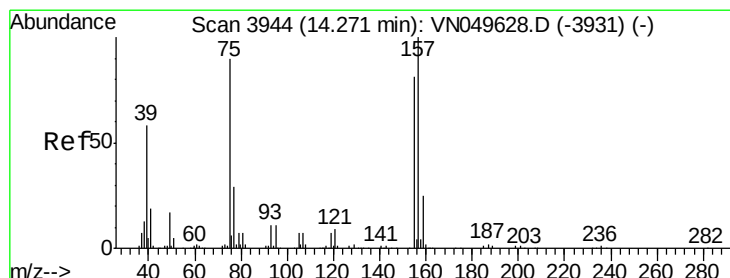
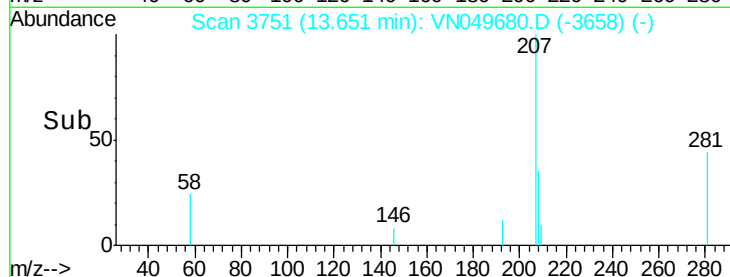
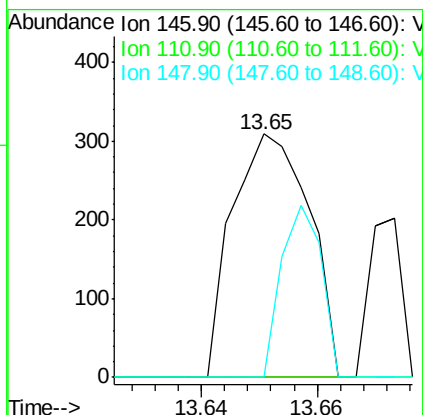
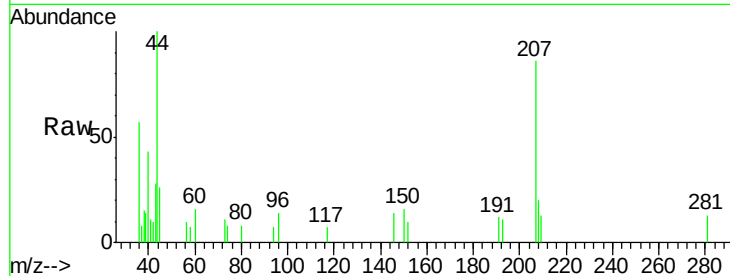




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.65 min Scan# 3751
 Delta R.T. -0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

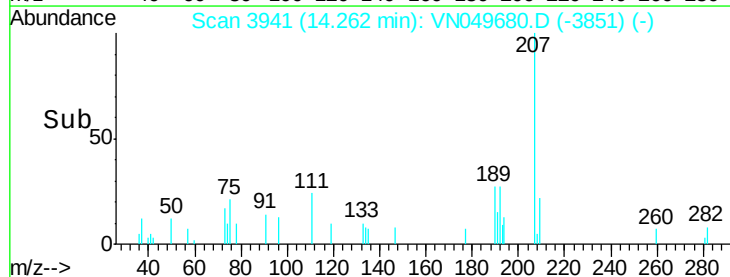
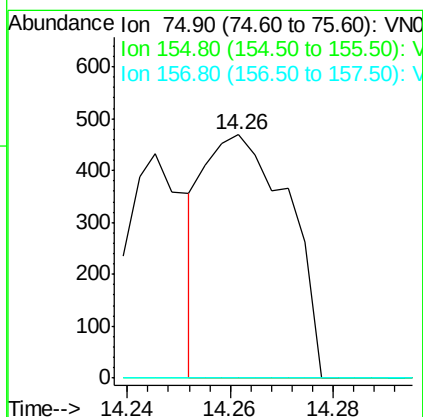
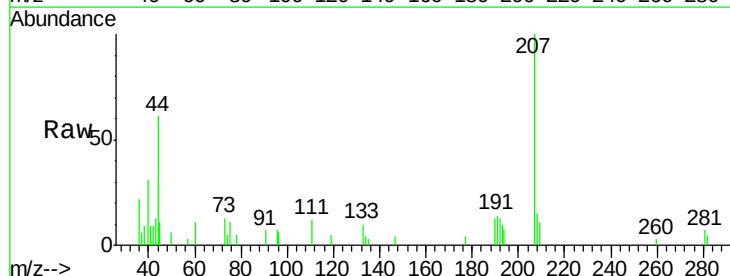
Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#07

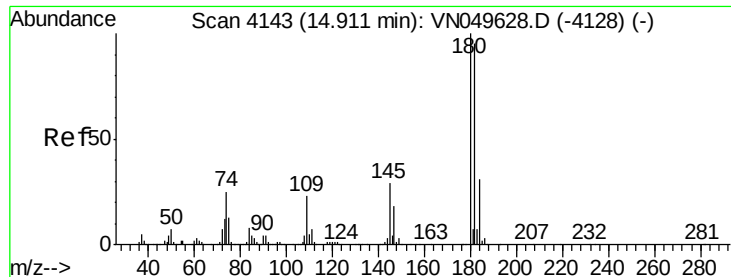
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.1#
148	37.0	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3941
 Delta R.T. -0.01 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	45.7	137.1#
157	0.0	56.9	170.7#

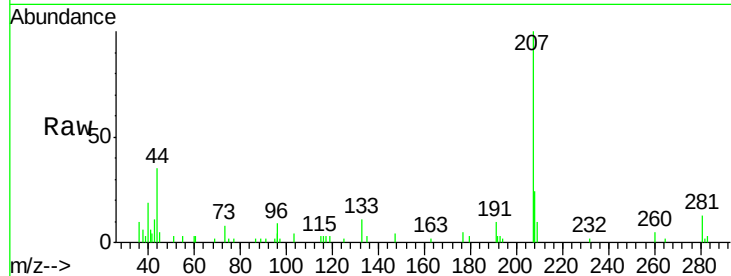




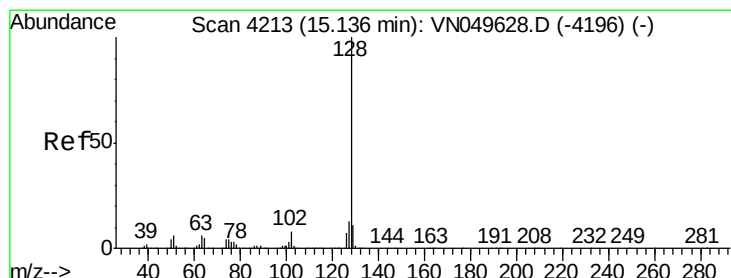
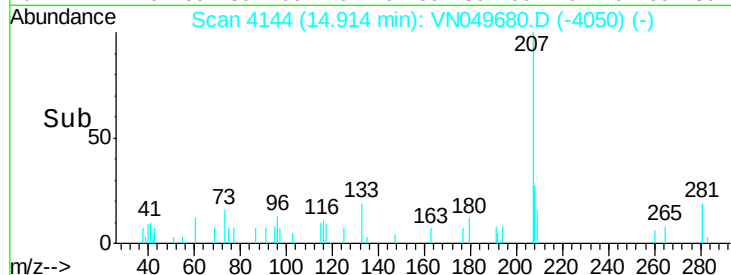
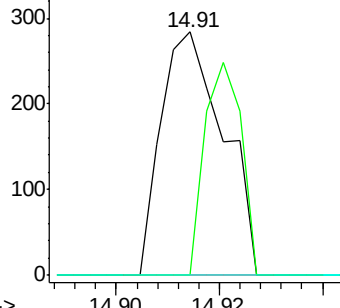
#93
 1,2,4-Trichlorobenzene
 Concen: 2.42 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#07

Tot Ion:180 Resp: 237
 Ion Ratio Lower Upper
 180 100
 182 51.5 47.3 141.9
 145 0.0 14.4 43.0#

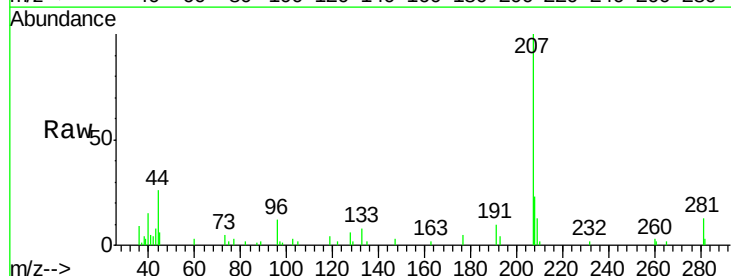


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

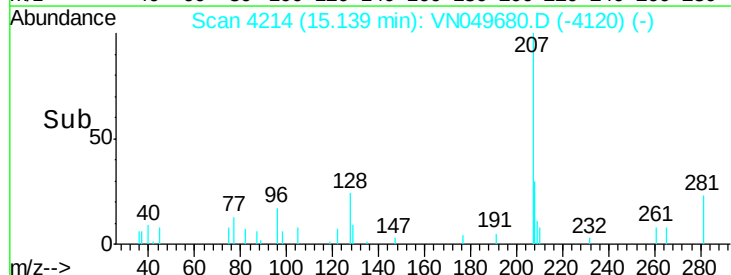
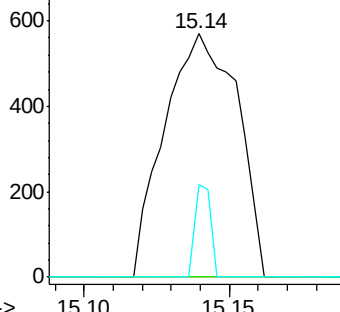


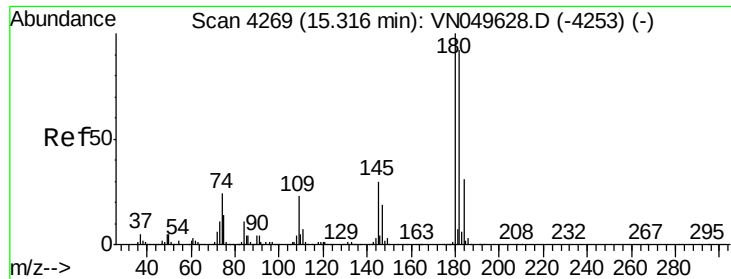
#95
 Naphthalene
 Concen: 4.07 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. 0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

Tgt Ion:128 Resp: 995
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 8.1 8.6 13.0#



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

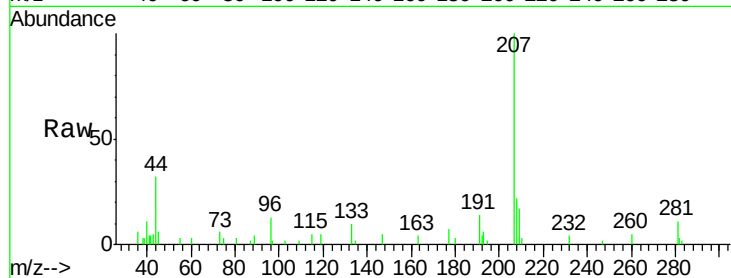




#96
 1,2,3-Trichlorobenzene
 Concen: 1.67 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049680.D
 Acq: 2 Jul 2018 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 PB110744 ZHE#07

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.4	142.2#
145	0.0	15.2	45.6#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

