

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000309.D
 Acq On : 13 Mar 2018 19:11
 Operator : JC/MD
 Sample : J1885-03 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VB-44949

Quant Time: Mar 14 00:59:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	108646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	185571	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	180229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	95652	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	78301	51.99	ug/l	0.00
Spiked Amount			Recovery	=	103.98%	
35) Dibromofluoromethane	5.52	113	56990	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.73	98	230212	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
62) 4-Bromofluorobenzene	11.15	95	81954	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

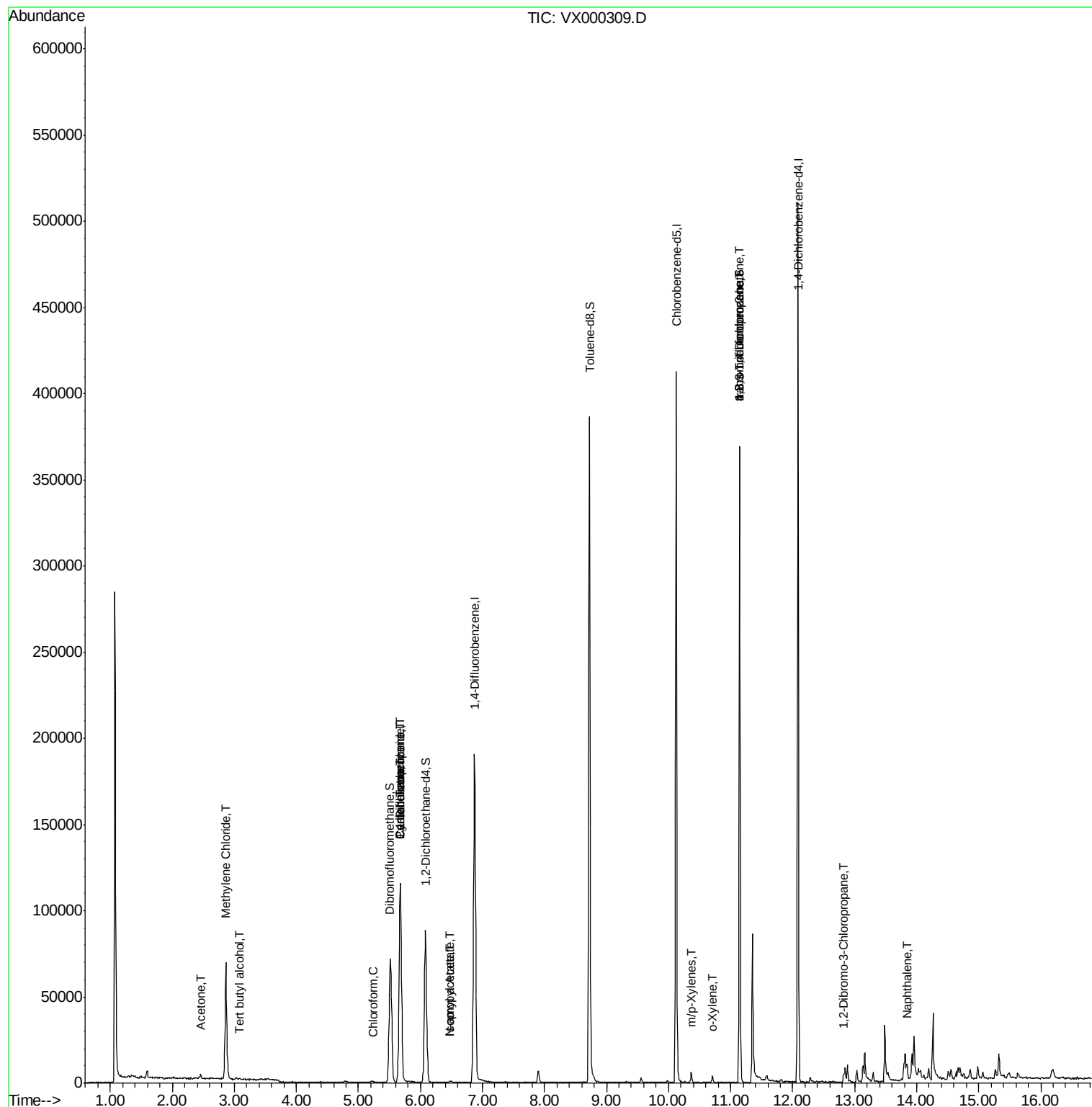
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	282	Below Cal	#	3
6) Chloroethane	1.72	64	90	Below Cal	#	42
11) Tert butyl alcohol	3.09	59	531	0.96	ug/l #	93
16) Acetone	2.45	43	2983	2.76	ug/l	97
20) Methylene Chloride	2.87	84	28453	22.06	ug/l	97
30) Chloroform	5.24	83	722	0.34	ug/l #	18
31) Cyclohexane	5.67	56	2675	1.62	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	8802	5.33	ug/l #	50
38) Carbon Tetrachloride	5.68	117	11178	6.69	ug/l #	18
43) Isopropyl Acetate	6.48	43	1452	0.42	ug/l #	77
68) m/p-Xylenes	10.37	106	1623	0.66	ug/l	81
69) o-Xylene	10.71	106	885	0.38	ug/l	99
74) N-amyl acetate	6.48	43	1452	0.47	ug/l #	81
76) 1,2,3-Trichloropropane	11.15	75	47751	24.90	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	47751	76.26	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.82	75	148	0.25	ug/l #	1
95) Naphthalene	13.84	128	4667	0.63	ug/l	97

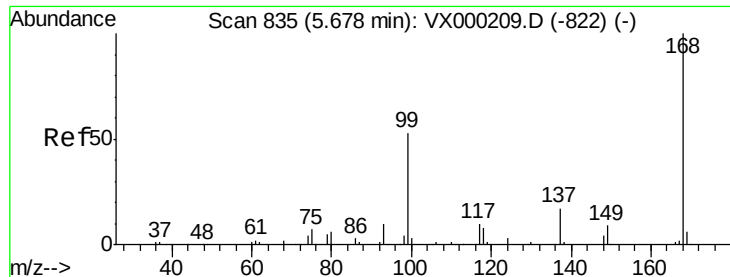
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

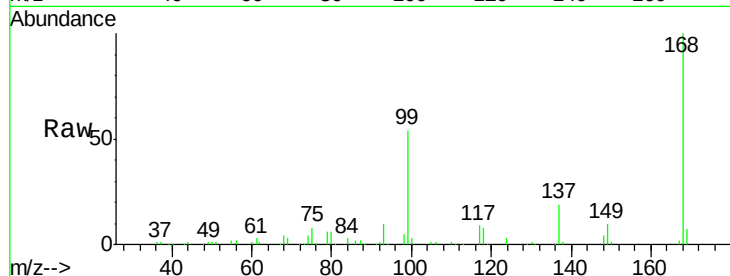
VB-44949

Tot Ion:168 Resp: 108646

Ion Ratio Lower Upper

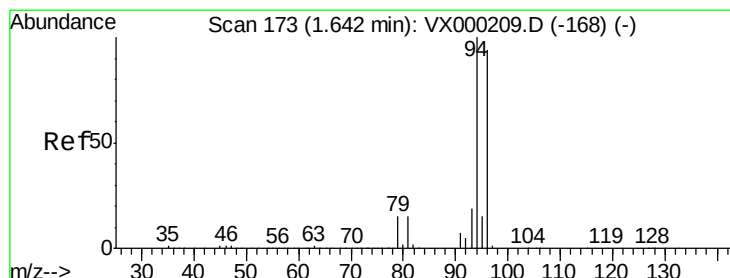
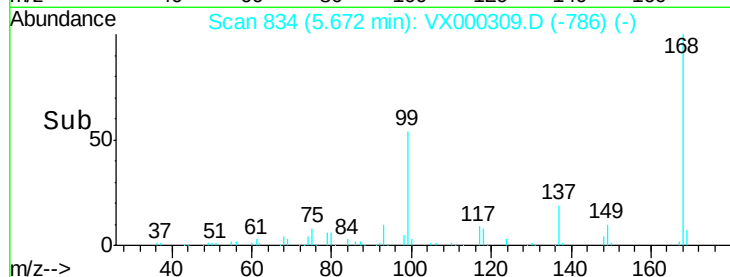
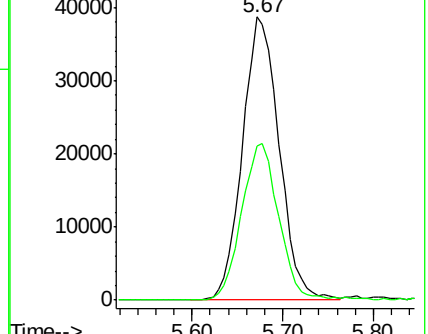
168 100

99 54.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000309.D

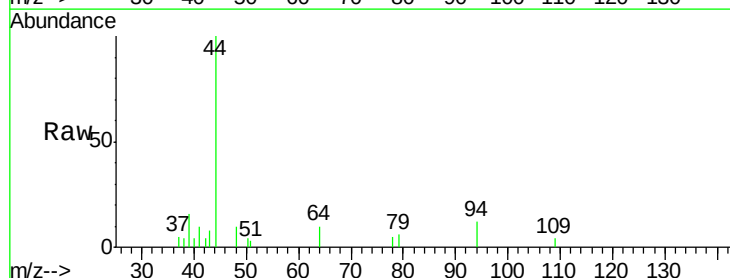
Acq: 13 Mar 2018 19:11

Tgt Ion: 94 Resp: 282

Ion Ratio Lower Upper

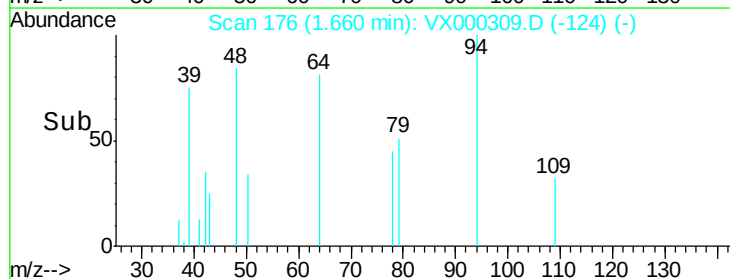
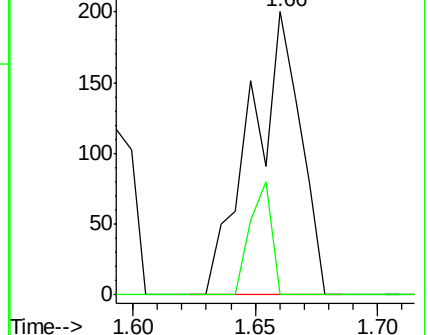
94 100

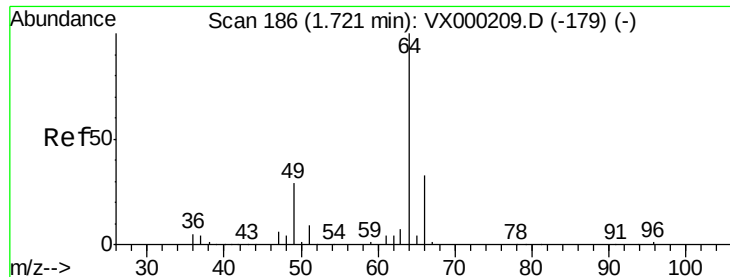
96 0.0 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

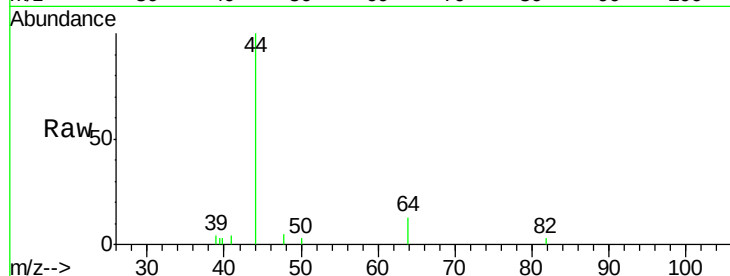
VB-44949

Tot Ion: 64 Resp: 90

Ion Ratio Lower Upper

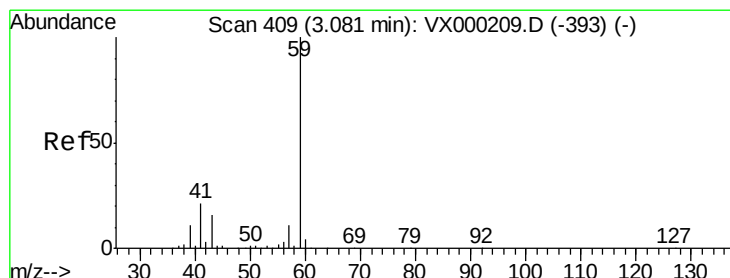
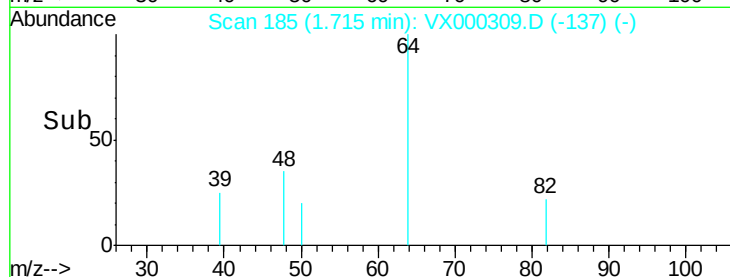
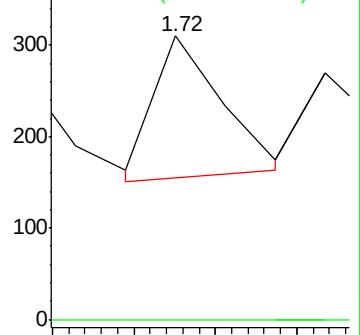
64 100

66 0.0 26.2 39.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.96 ug/l

RT: 3.09 min Scan# 411

Delta R.T. 0.01 min

Lab File: VX000309.D

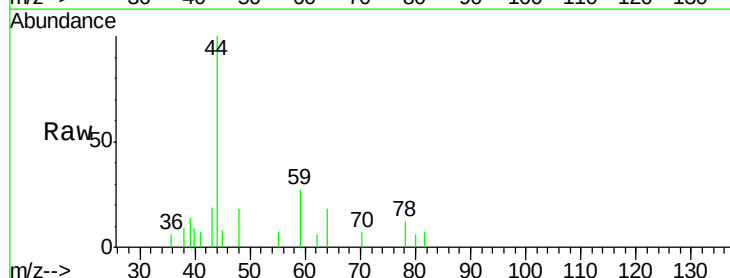
Acq: 13 Mar 2018 19:11

Tgt Ion: 59 Resp: 531

Ion Ratio Lower Upper

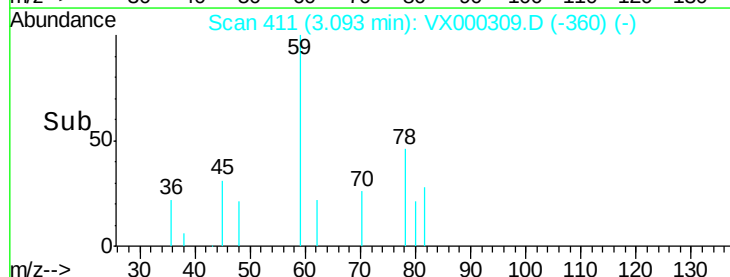
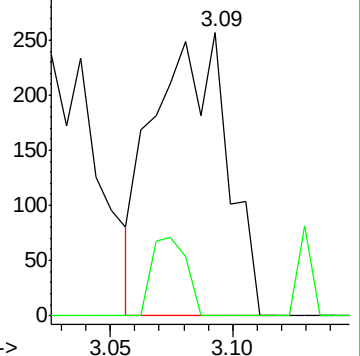
59 100

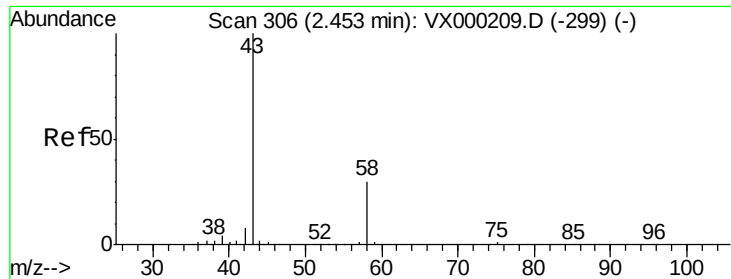
57 13.2 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.76 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

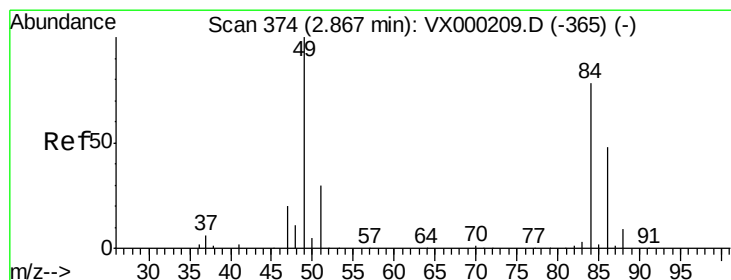
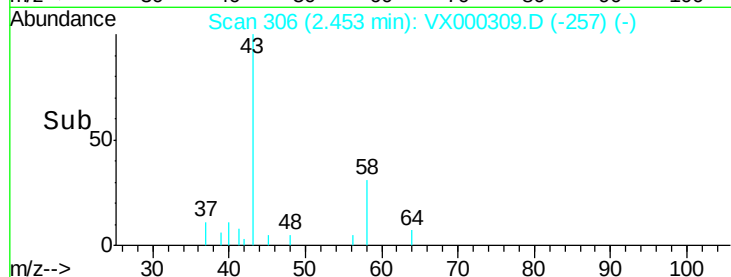
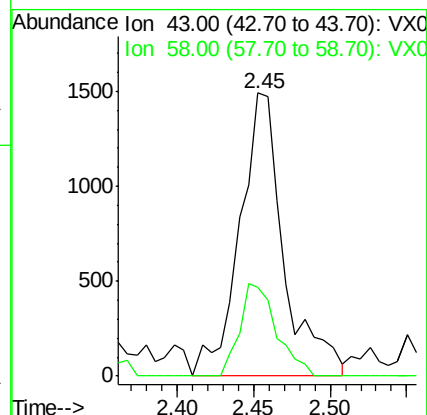
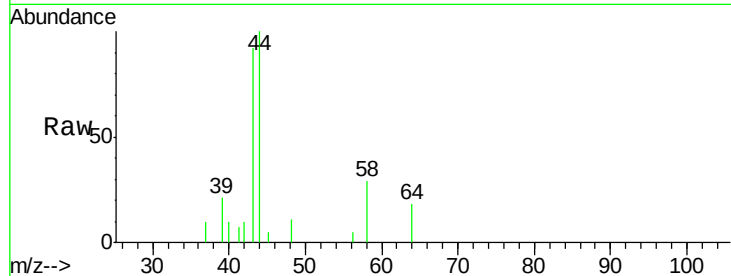
VB-44949

Tot Ion: 43 Resp: 2983

Ion Ratio Lower Upper

43 100

58 31.5 23.8 35.6



#20

Methylene Chloride

Concen: 22.06 ug/l

RT: 2.87 min Scan# 374

Delta R.T. 0.00 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Tgt Ion: 84 Resp: 28453

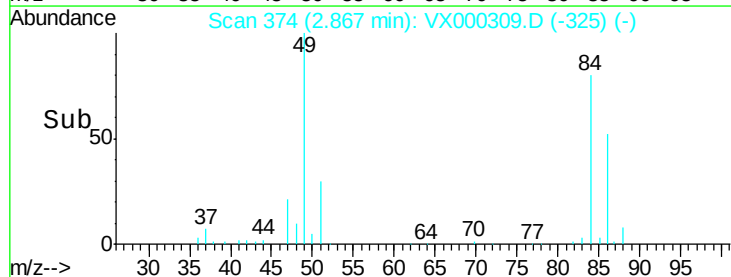
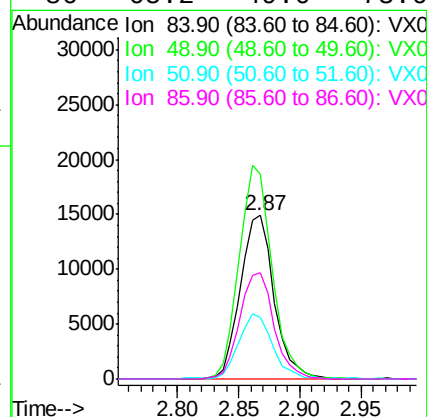
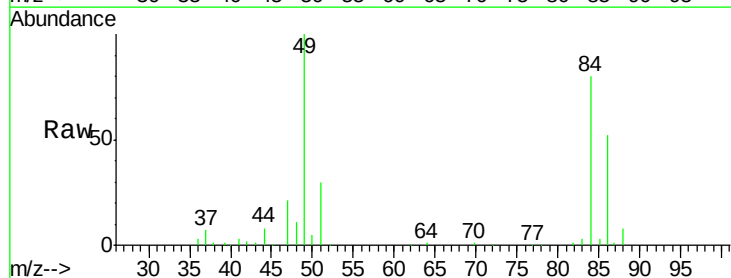
Ion Ratio Lower Upper

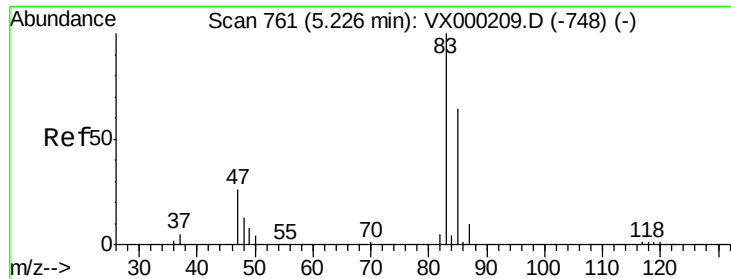
84 100

49 125.1 102.1 153.1

51 38.0 30.6 45.8

86 65.2 49.0 73.6

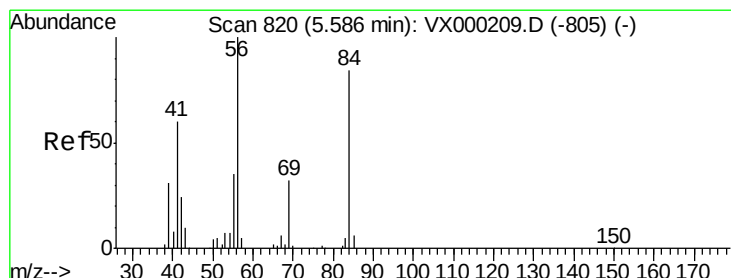
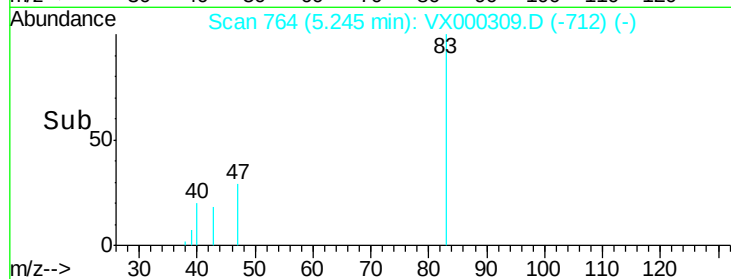
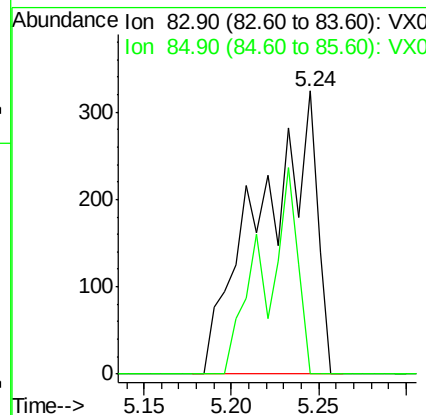
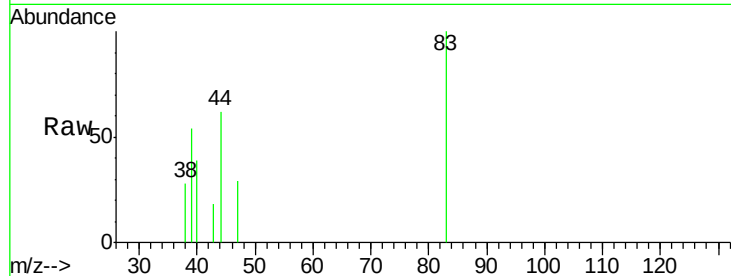




#30
Chloroform
Concen: 0.34 ug/l
RT: 5.24 min Scan# 764
Delta R.T. 0.02 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

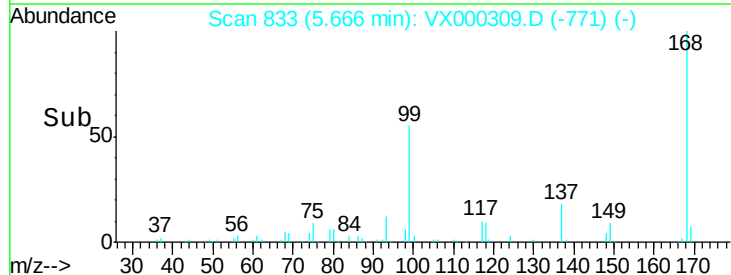
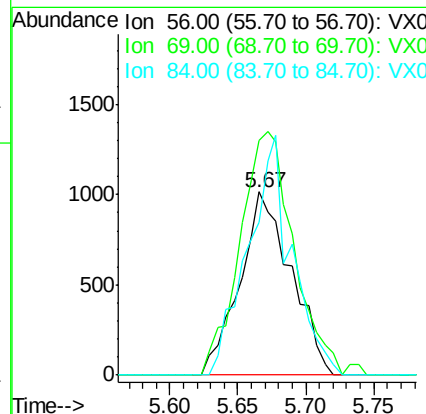
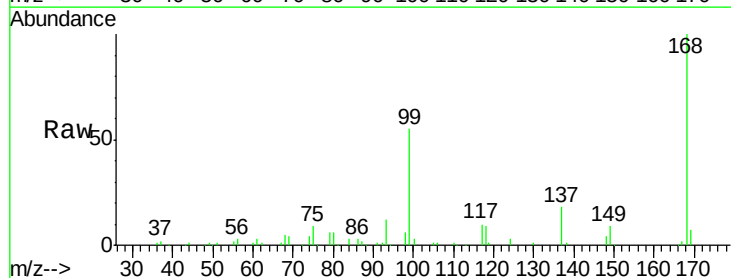
Instrument :
MSVOA_X
ClientSampleId :
VB-44949

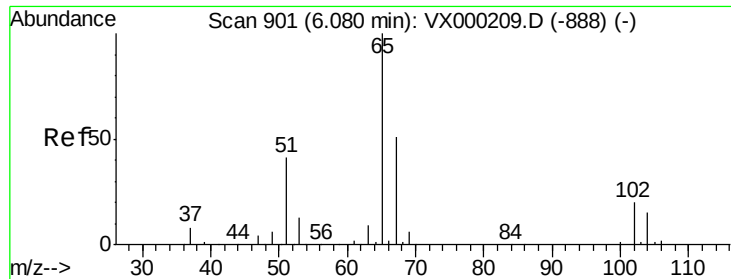
Tot Ion: 83 Resp: 722
Ion Ratio Lower Upper
83 100
85 0.0 51.0 76.6#



#31
Cyclohexane
Concen: 1.62 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.08 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Tgt Ion: 56 Resp: 2675
Ion Ratio Lower Upper
56 100
69 127.9 25.3 37.9#
84 83.5 67.2 100.8

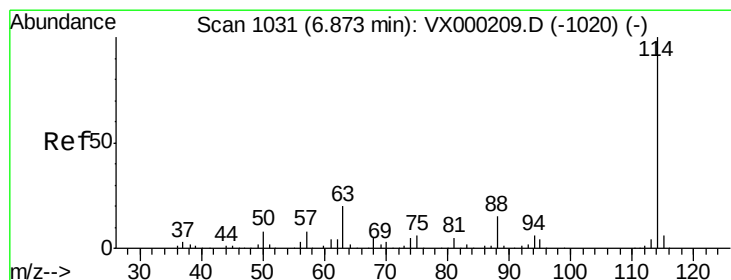
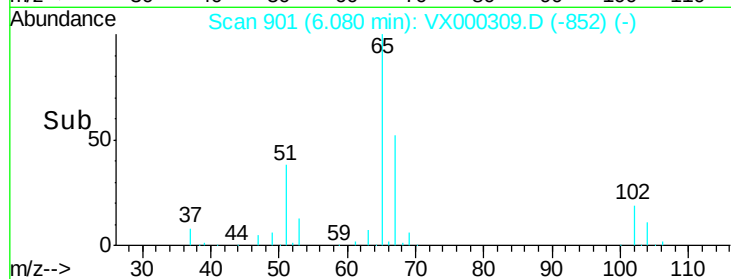
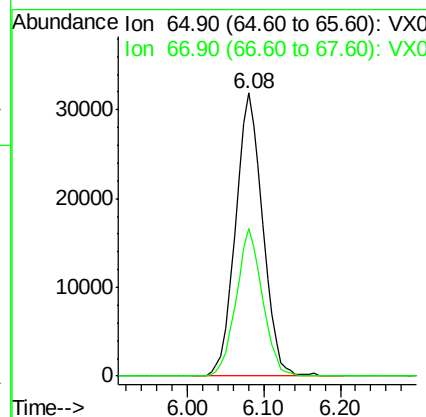
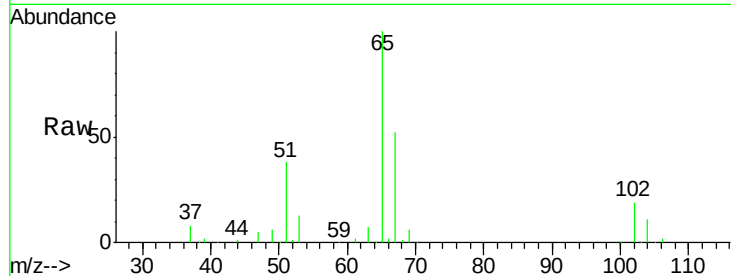




#33
 1,2-Dichloroethane-d4
 Concen: 51.99 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000309.D
 Acq: 13 Mar 2018 19:11

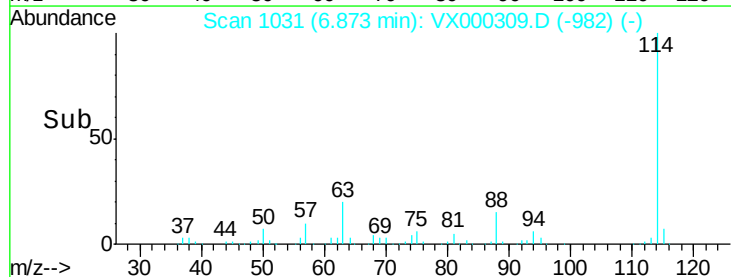
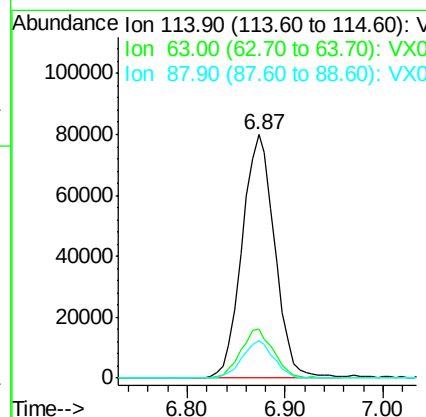
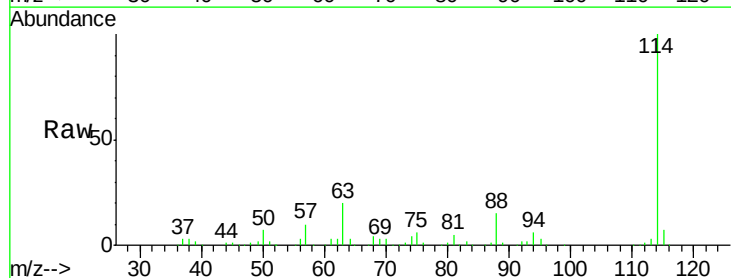
Instrument :
 MSVOA_X
 ClientSampleId :
 VB-44949

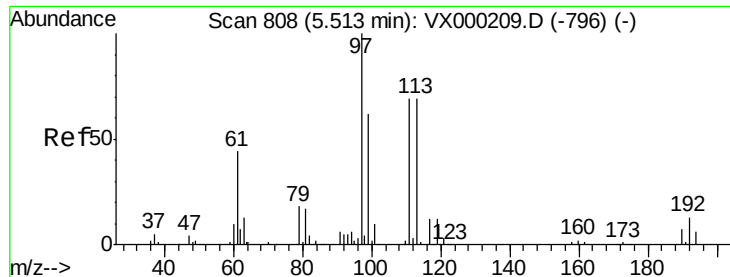
Tot Ion: 65 Resp: 78301
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.00 min
 Lab File: VX000309.D
 Acq: 13 Mar 2018 19:11

Tgt Ion: 114 Resp: 185571
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.2
 88 15.2 0.0 29.8

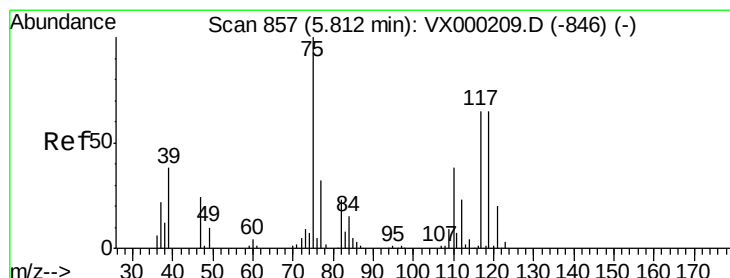
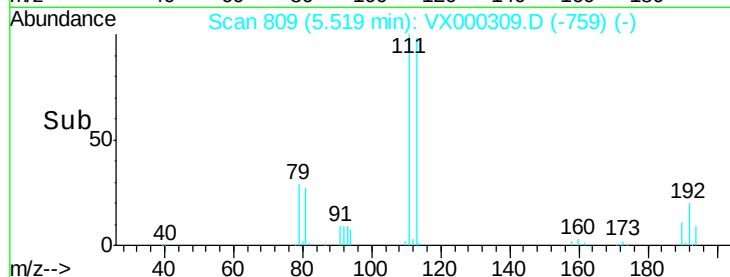
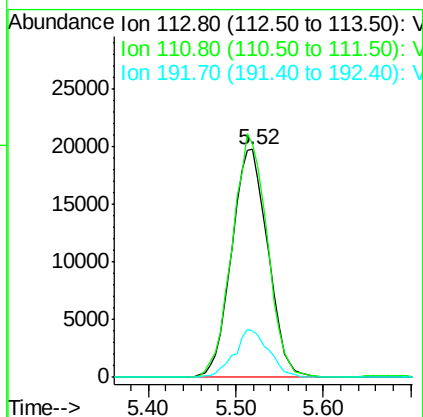
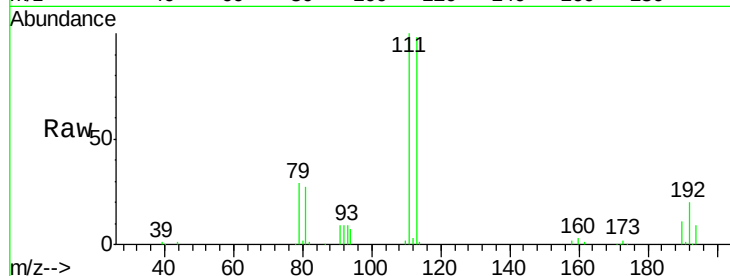




#35
 Dibromofluoromethane
 Concen: 48.89 ug/l
 RT: 5.52 min Scan# 809
 Delta R.T. 0.01 min
 Lab File: VX000309.D
 Acq: 13 Mar 2018 19:11

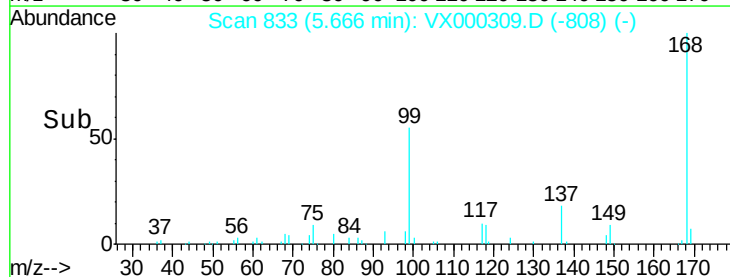
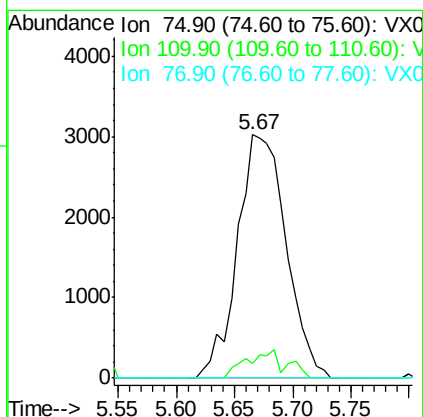
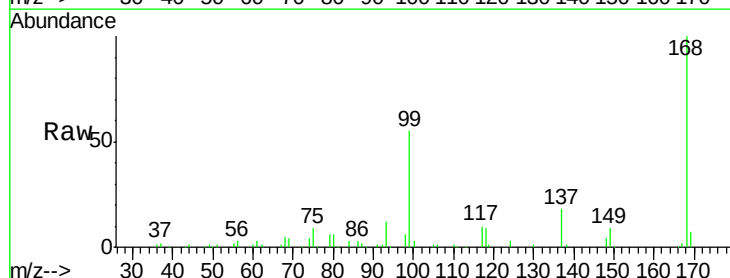
Instrument :
 MSVOA_X
 ClientSampled :
 VB-44949

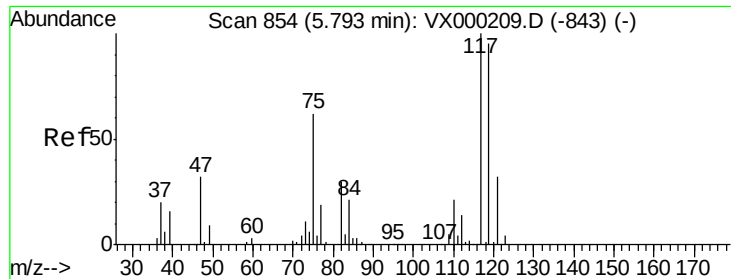
Tot Ion:113 Resp: 56990
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.0 124.6
 192 20.0 15.5 23.3



#36
 1,1-Dichloropropene
 Concen: 5.33 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.15 min
 Lab File: VX000309.D
 Acq: 13 Mar 2018 19:11

Tgt Ion: 75 Resp: 8802
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.8 53.5#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.69 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

VB-44949

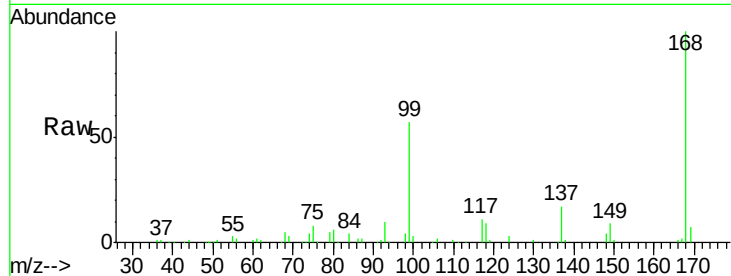
Tot Ion:117 Resp: 11178

Ion Ratio Lower Upper

117 100

119 7.1 75.9 113.9#

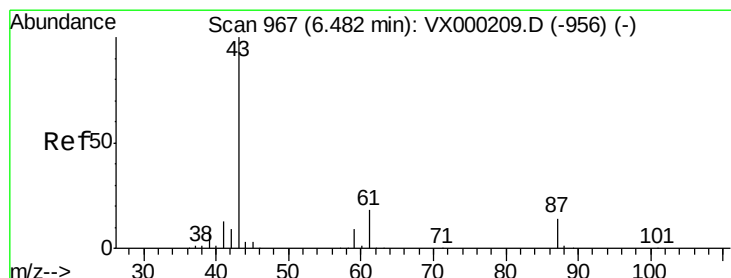
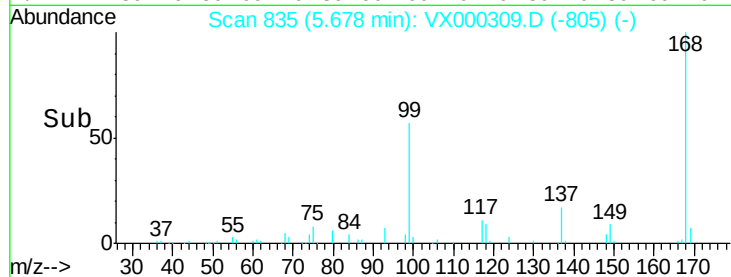
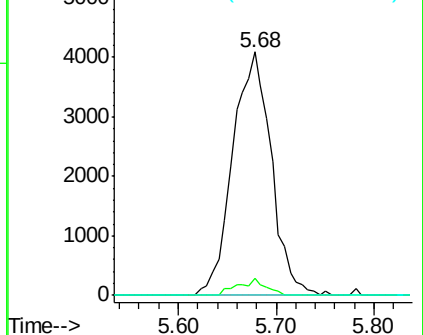
121 0.0 25.8 38.6#



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: 0.42 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

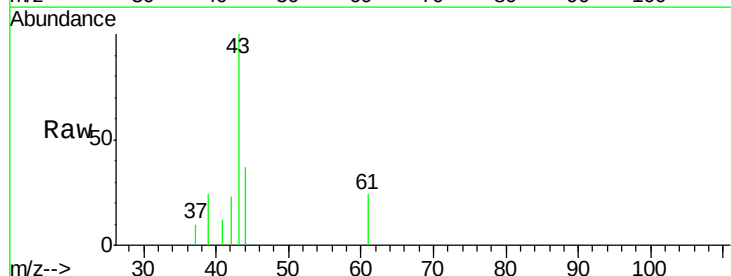
Tgt Ion: 43 Resp: 1452

Ion Ratio Lower Upper

43 100

61 10.1 14.8 22.2#

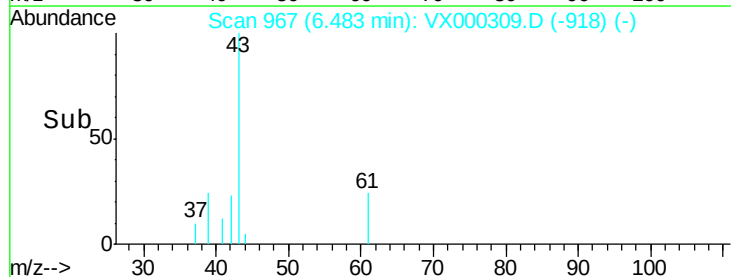
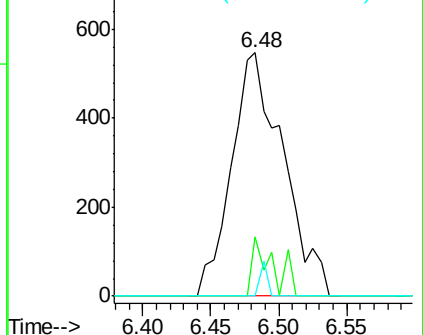
87 2.0 10.6 16.0#

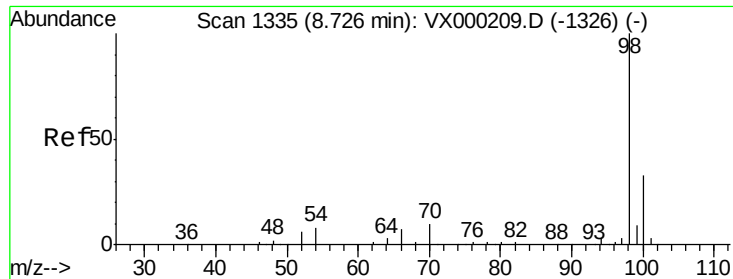


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

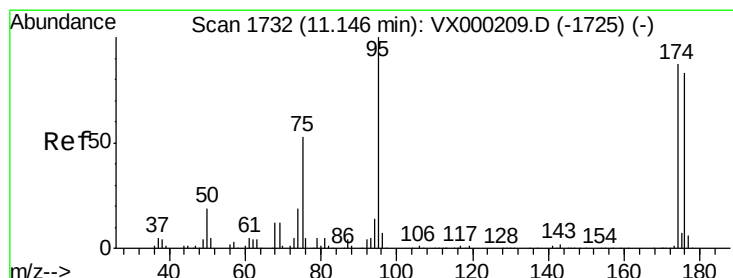
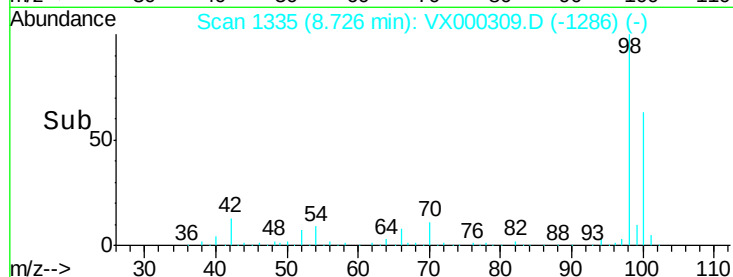
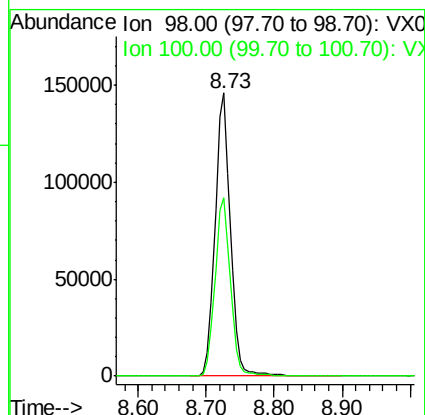
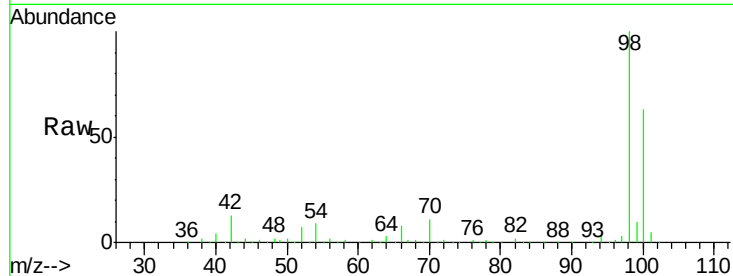




#50
Toluene-d8
Concen: 47.68 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

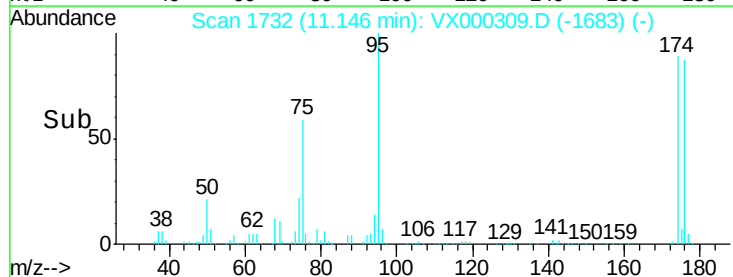
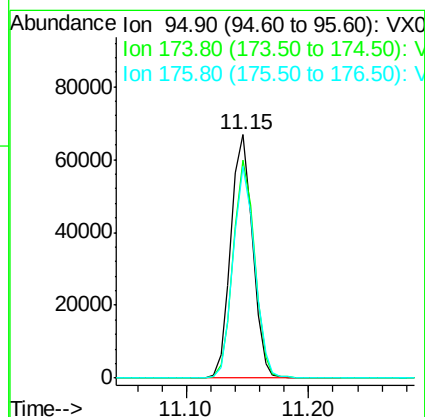
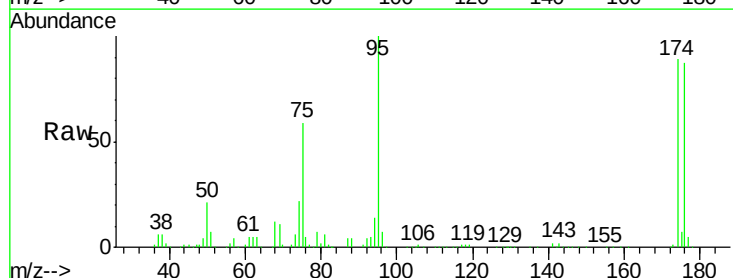
Instrument :
MSVOA_X
ClientSampleId :
VB-44949

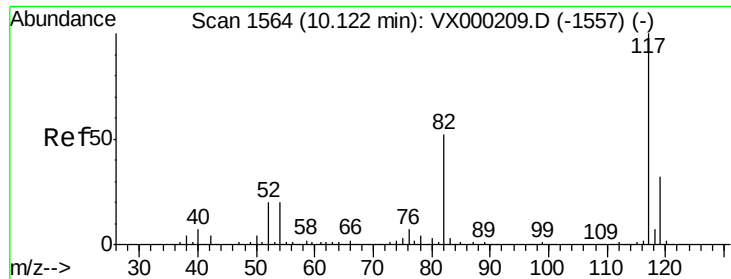
Tot Ion: 98 Resp: 230212
Ion Ratio Lower Upper
98 100
100 63.1 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 43.49 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Tgt Ion: 95 Resp: 81954
Ion Ratio Lower Upper
95 100
174 88.2 0.0 175.6
176 86.5 0.0 171.0

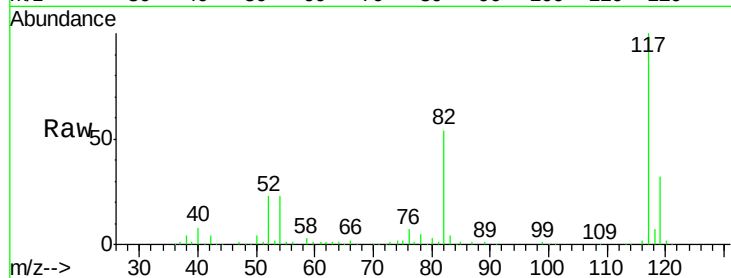




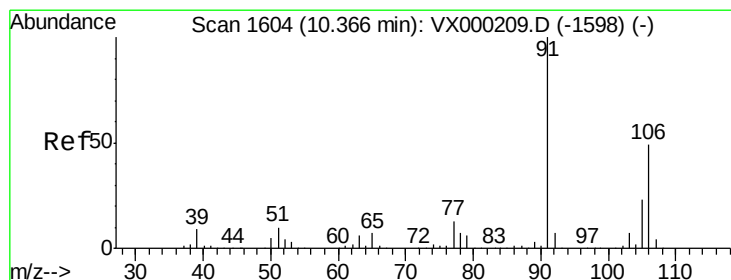
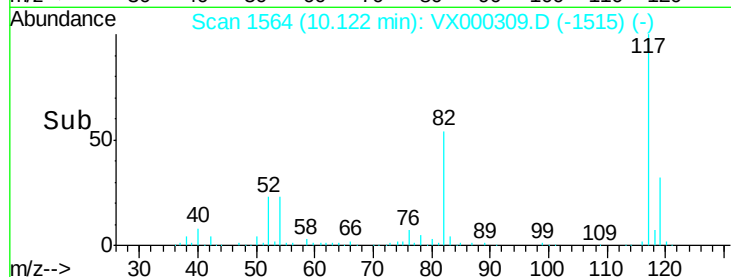
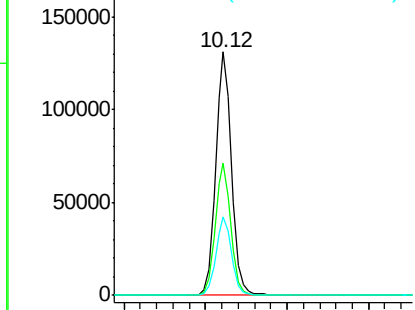
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VB-44949

Tot Ion:117 Resp: 180229
Ion Ratio Lower Upper
117 100
82 54.5 42.0 63.0
119 32.3 25.3 37.9

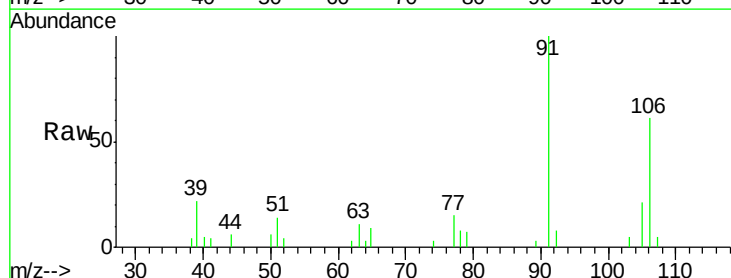


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

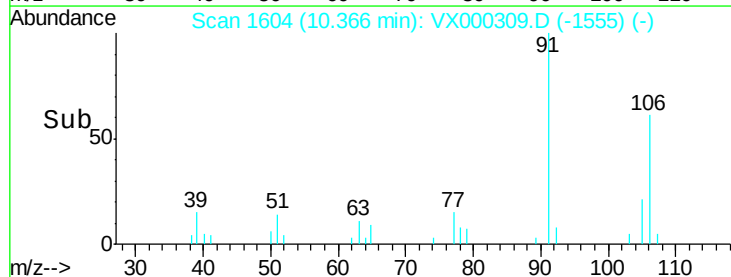
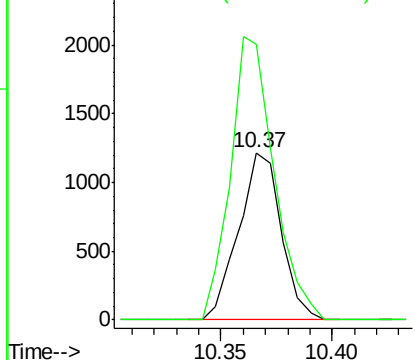


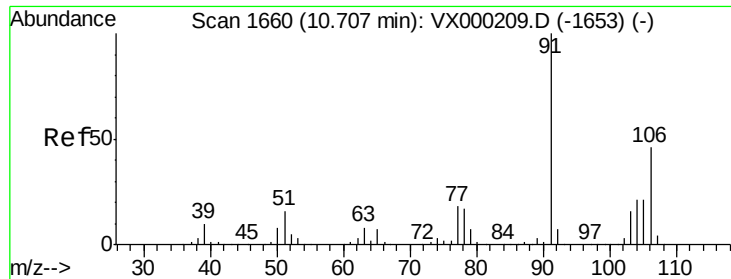
#68
m/p-Xylenes
Concen: 0.66 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Tgt Ion:106 Resp: 1623
Ion Ratio Lower Upper
106 100
91 173.0 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

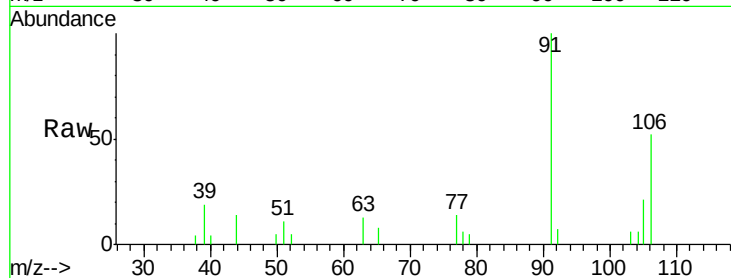




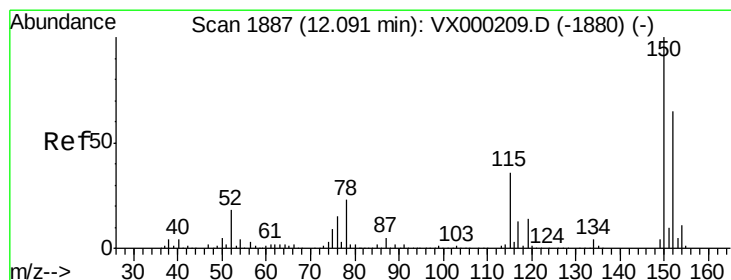
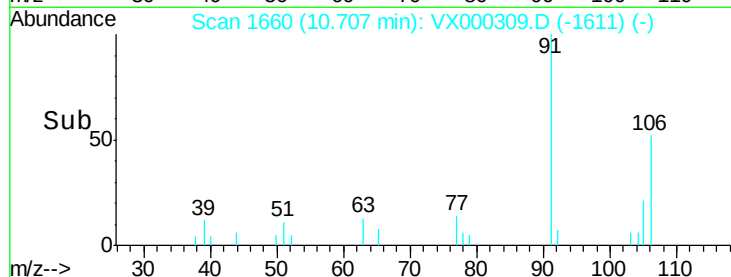
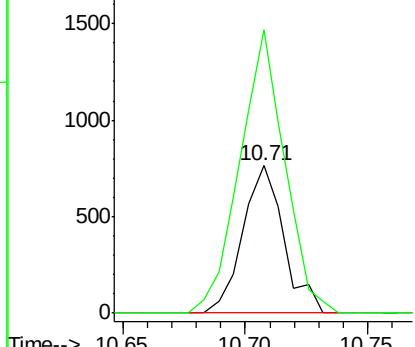
#69
o-Xylene
Concen: 0.38 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Instrument :
MSVOA_X
ClientSampled :
VB-44949

Tot Ion:106 Resp: 885
Ion Ratio Lower Upper
106 100
91 210.8 105.9 317.7

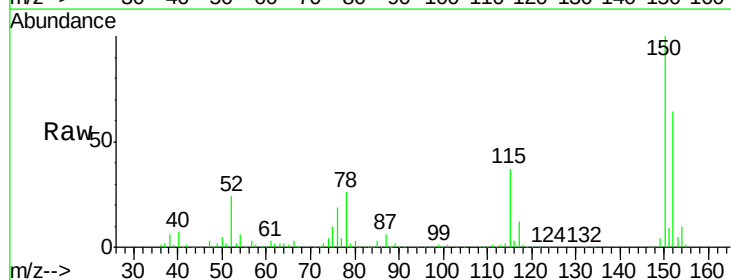


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX

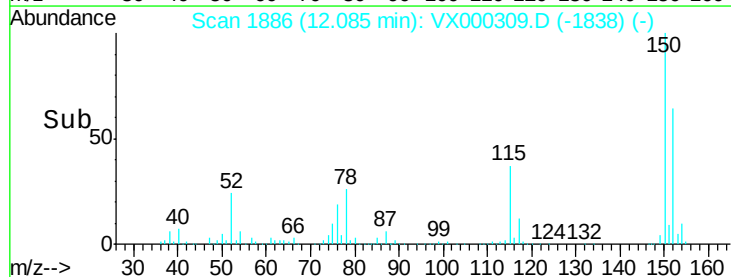
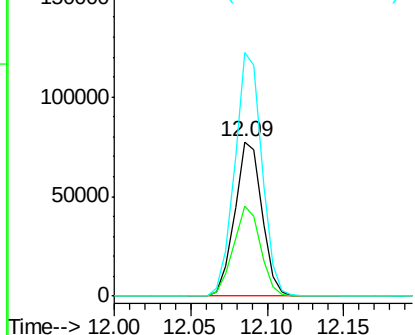


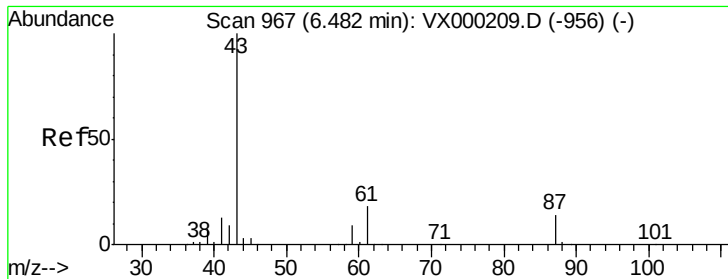
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Tgt Ion:152 Resp: 95652
Ion Ratio Lower Upper
152 100
115 58.0 39.8 119.3
150 156.7 0.0 345.0



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





#74

N-amvl acetate

Concen: 0.47 ug/l

RT: 6.48 min Scan# 967

Delta R.T. 0.00 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VB-44949

Tot Ion: 43 Resp: 1452

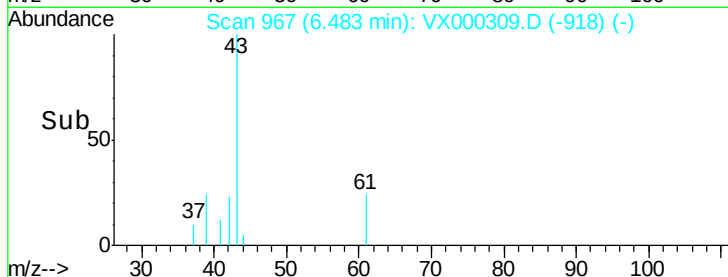
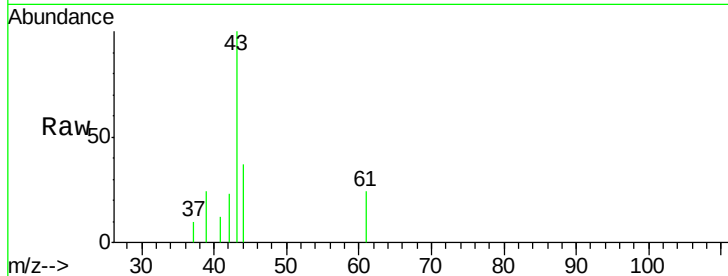
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 10.1 14.8 22.2#

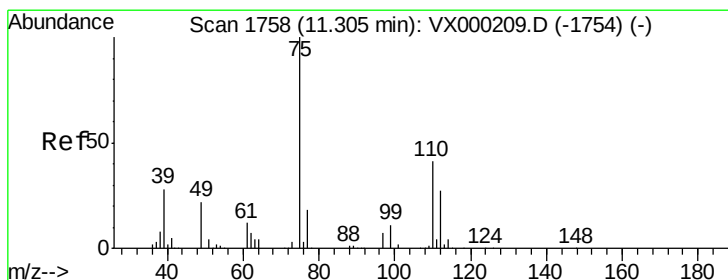
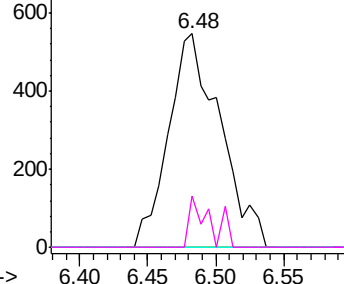


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.90 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000309.D

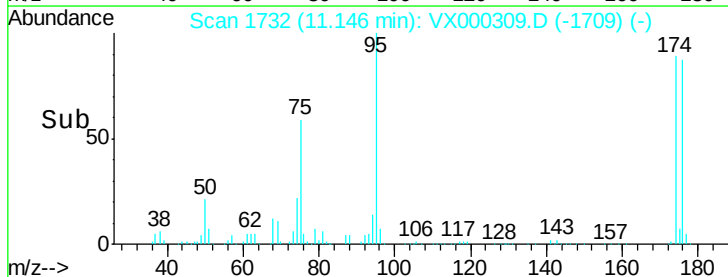
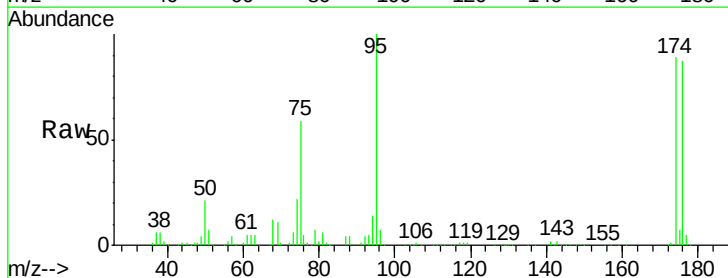
Acq: 13 Mar 2018 19:11

Tgt Ion: 75 Resp: 47751

Ion Ratio Lower Upper

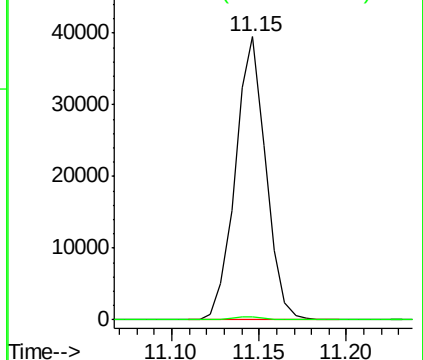
75 100

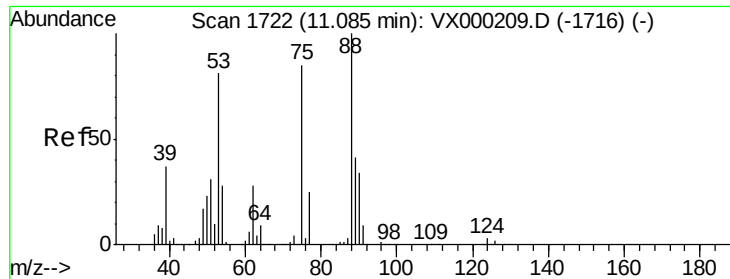
77 1.0 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 76.26 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

VB-44949

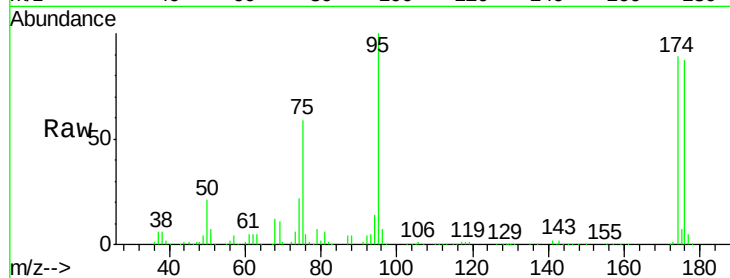
Tot Ion: 75 Resp: 47751

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

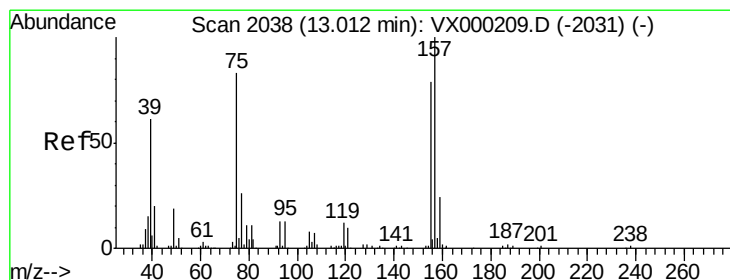
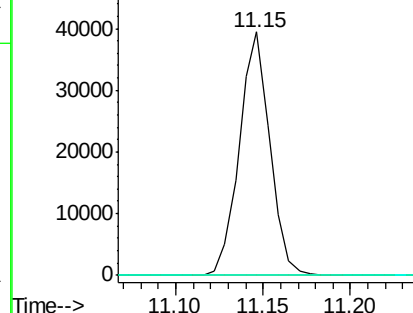
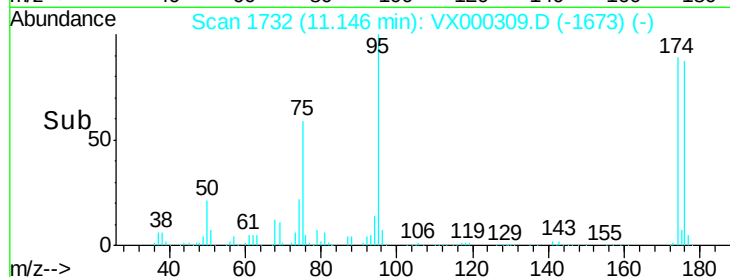
89 0.0 38.8 58.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.25 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.19 min

Lab File: VX000309.D

Acq: 13 Mar 2018 19:11

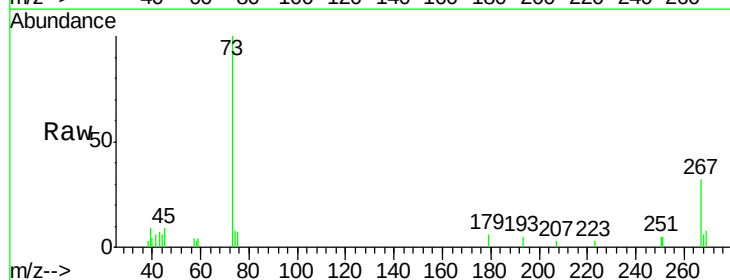
Tgt Ion: 75 Resp: 148

Ion Ratio Lower Upper

75 100

155 0.0 45.5 136.5#

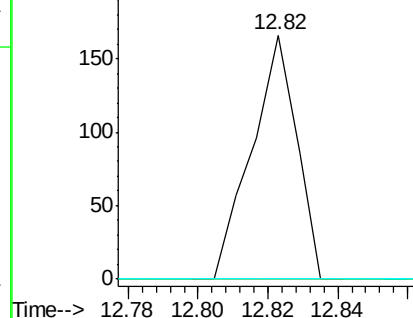
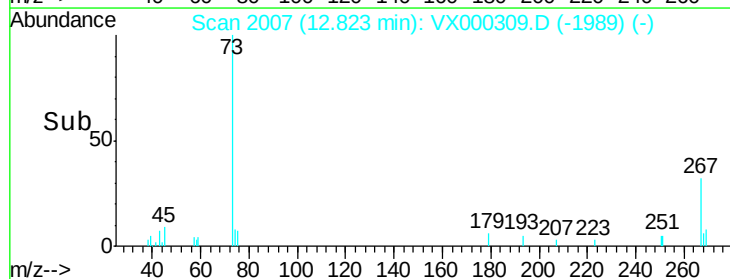
157 0.0 58.6 175.8#

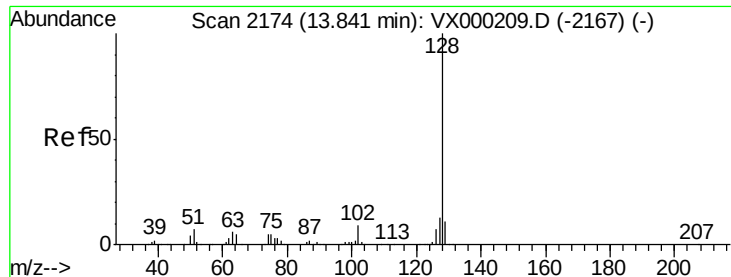


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

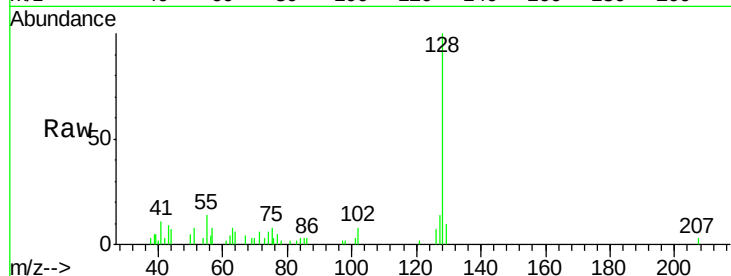




#95
Naphthalene
Concen: 0.63 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000309.D
Acq: 13 Mar 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VB-44949

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.5	15.7
129	10.0	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

