

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000310.D
 Acq On : 13 Mar 2018 19:37
 Operator : JC/MD
 Sample : J1885-04 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4008

Quant Time: Mar 14 01:00:00 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	5.68	168	113060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	190439	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	184082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	96116	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	77712	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	5.51	113	57948	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	8.73	98	231325	46.69	ug/l	0.00
Spiked Amount			Recovery	=	93.38%	
62) 4-Bromofluorobenzene	11.15	95	82433	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	

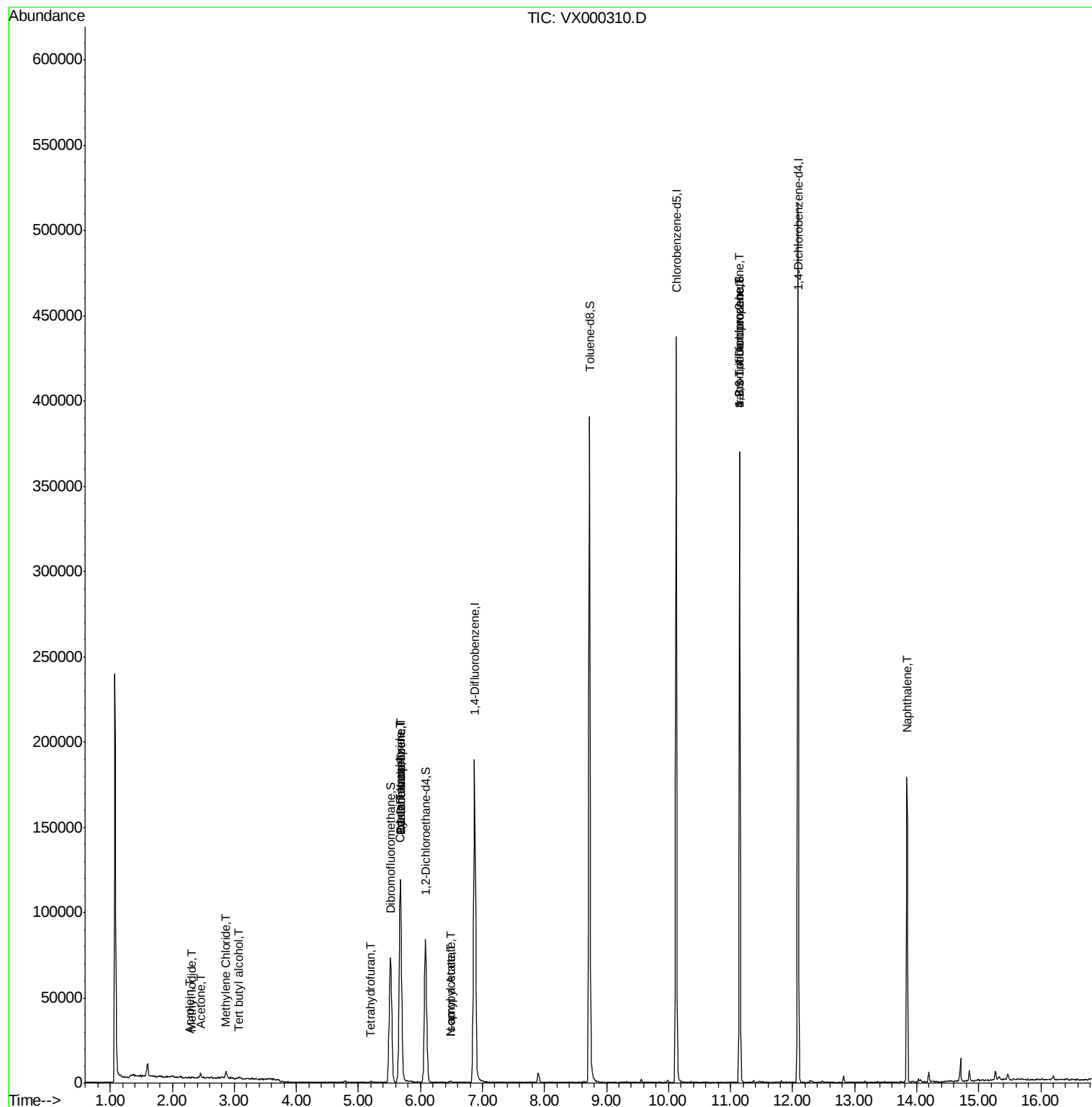
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	105	Below Cal	#	72
6) Chloroethane	1.71	64	295	Below Cal	#	42
10) Methyl Iodide	2.31	142	20	3.16	ug/l #	37
11) Tert butyl alcohol	3.07	59	1281	2.22	ug/l #	68
13) Acrolein	2.29	56	163	0.54	ug/l #	45
16) Acetone	2.45	43	2633	2.34	ug/l	99
20) Methylene Chloride	2.87	84	1502	1.12	ug/l #	77
29) Tetrahydrofuran	5.19	42	481	0.55	ug/l #	43
31) Cyclohexane	5.68	56	3013	1.76	ug/l #	47
36) 1,1-Dichloropropene	5.68	75	9053	5.34	ug/l #	44
38) Carbon Tetrachloride	5.67	117	10898	6.36	ug/l #	16
43) Isopropyl Acetate	6.49	43	1332	0.38	ug/l #	67
74) N-amyl acetate	6.49	43	1332	0.43	ug/l #	62
76) 1,2,3-Trichloropropane	11.15	75	47759	24.79	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	47759	75.91	ug/l #	10
95) Naphthalene	13.84	128	102258	13.75	ug/l	99

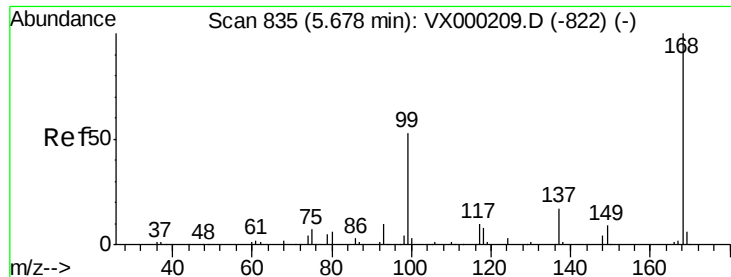
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

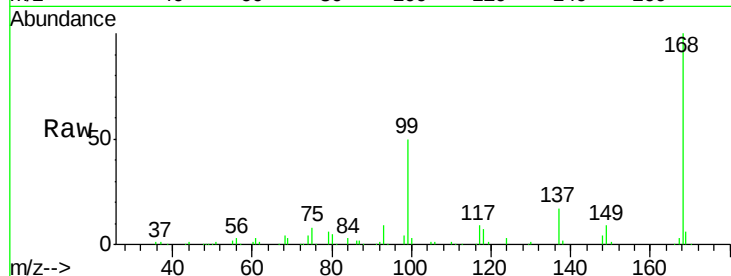
RT-4008

Tot Ion:168 Resp: 113060

Ion Ratio Lower Upper

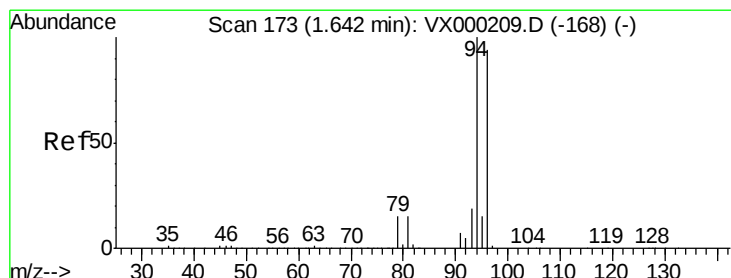
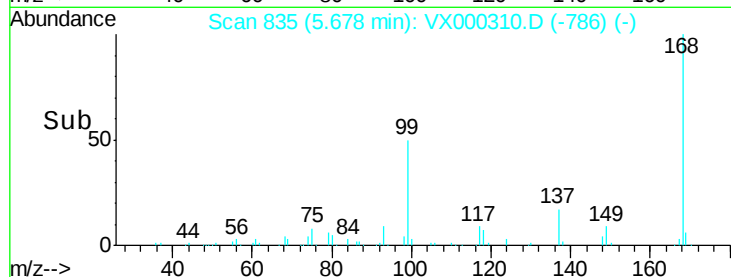
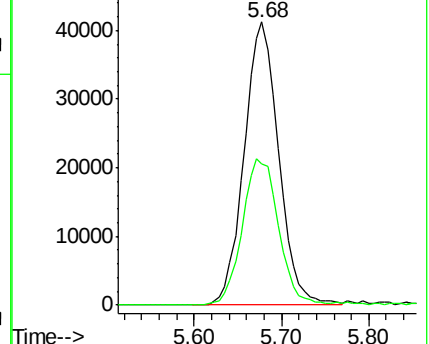
168 100

99 49.7 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: 1.64 min Scan# 173

Delta R.T. 0.00 min

Lab File: VX000310.D

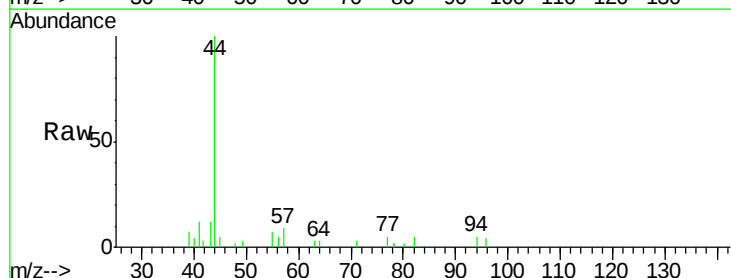
Acq: 13 Mar 2018 19:37

Tgt Ion: 94 Resp: 105

Ion Ratio Lower Upper

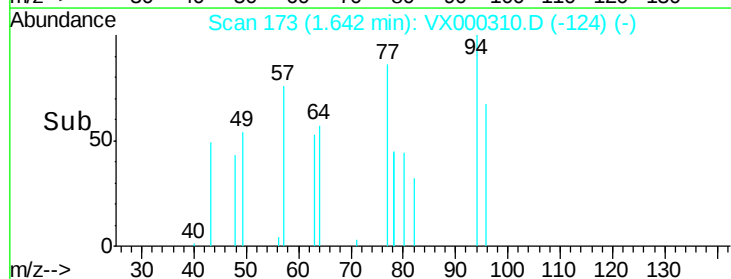
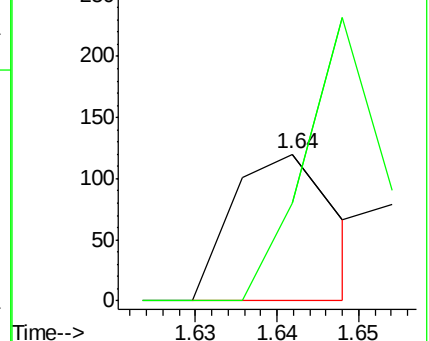
94 100

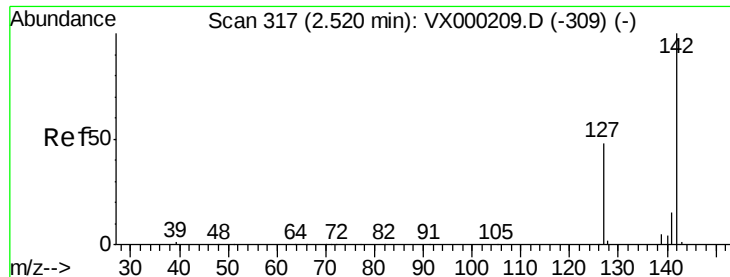
96 66.7 75.3 112.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

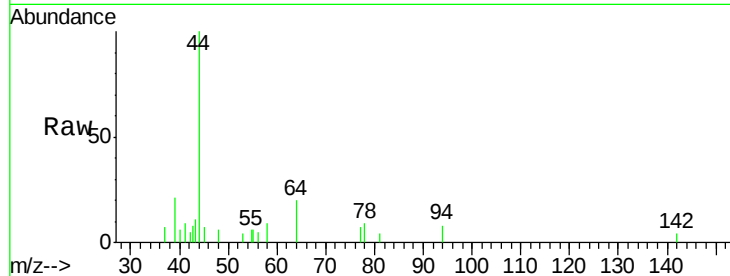




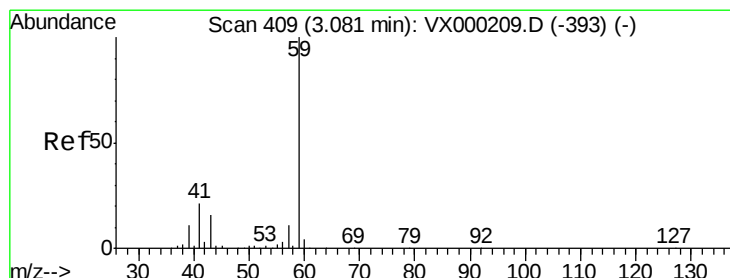
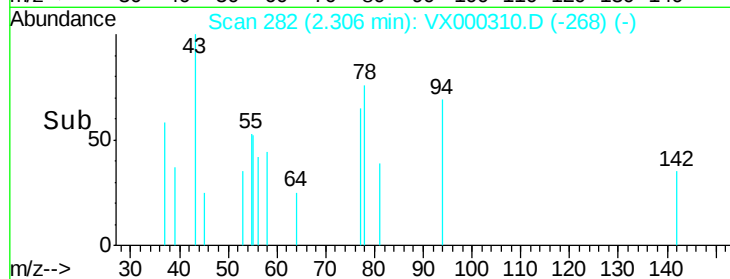
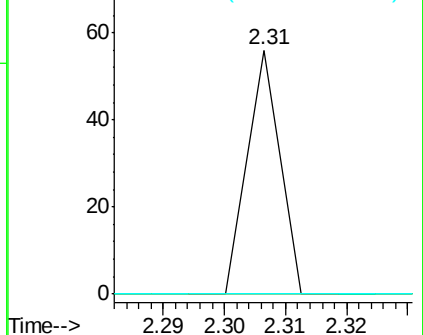
#10
Methyl Iodide
Concen: 3.16 ug/l
RT: 2.31 min Scan# 282
Delta R.T. -0.21 min
Lab File: VX000310.D
Acq: 13 Mar 2018 19:37

Instrument :
MSVOA_X
ClientSampled :
RT-4008

Tot Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 39.0 58.6#
141 0.0 11.6 17.4#

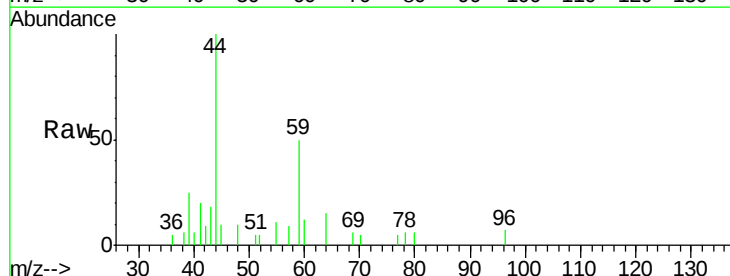


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

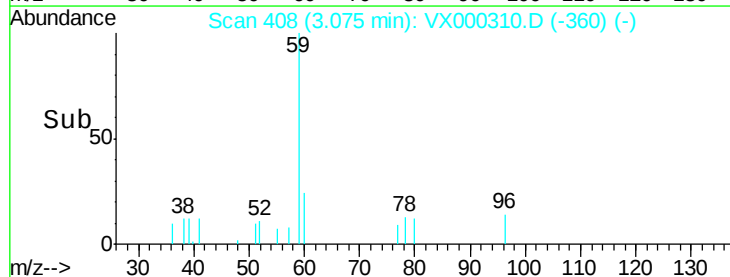
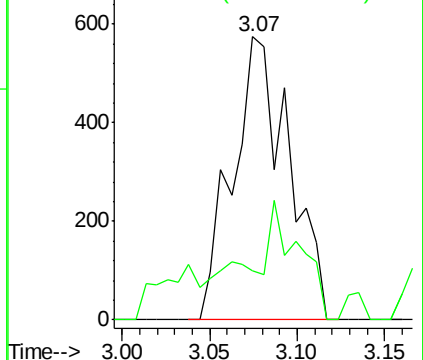


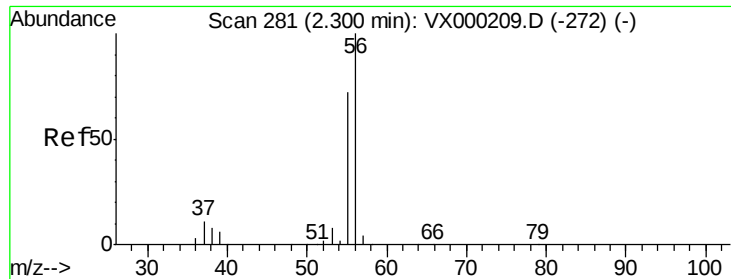
#11
Tert butyl alcohol
Concen: 2.22 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX000310.D
Acq: 13 Mar 2018 19:37

Tgt Ion: 59 Resp: 1281
Ion Ratio Lower Upper
59 100
57 22.4 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.54 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

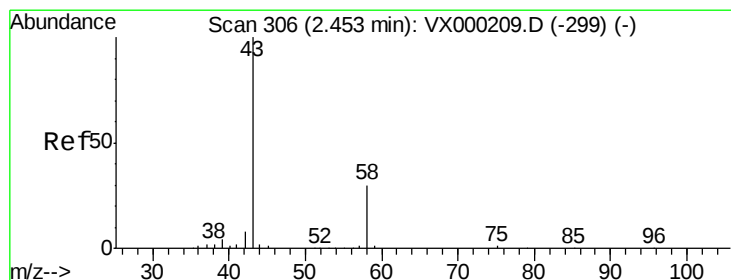
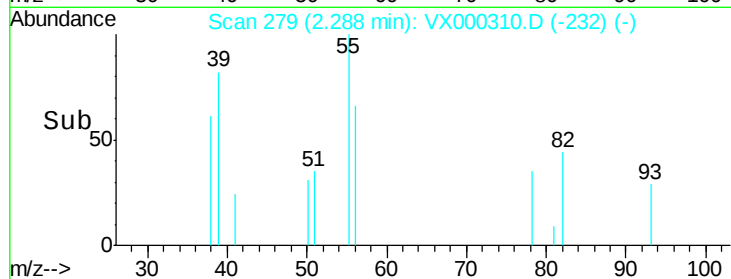
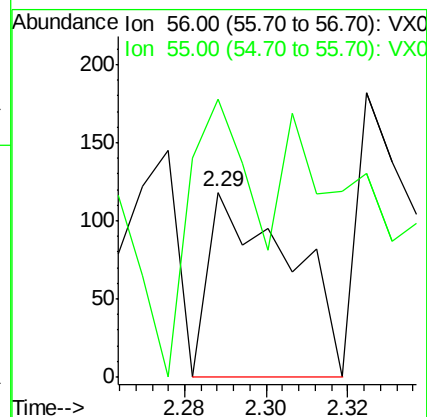
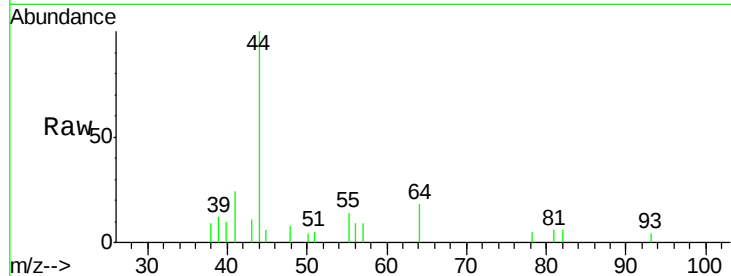
RT-4008

Tot Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 120.2 59.2 88.8#



#16

Acetone

Concen: 2.34 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000310.D

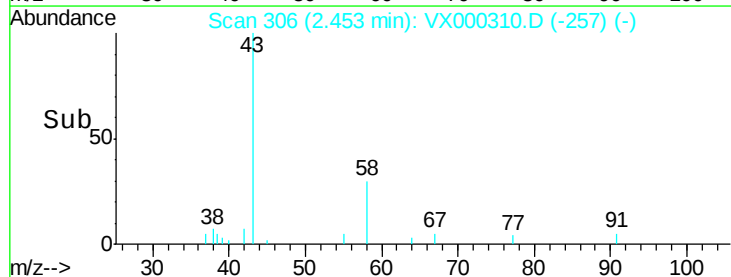
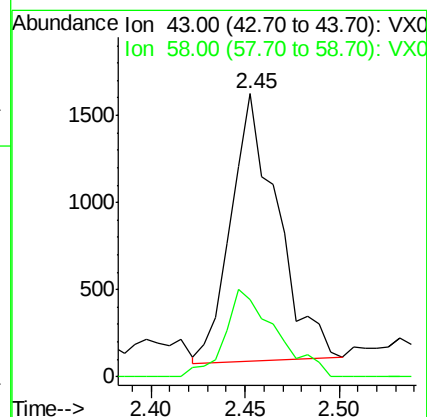
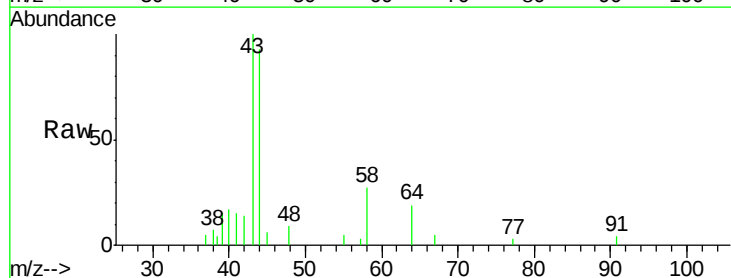
Acq: 13 Mar 2018 19:37

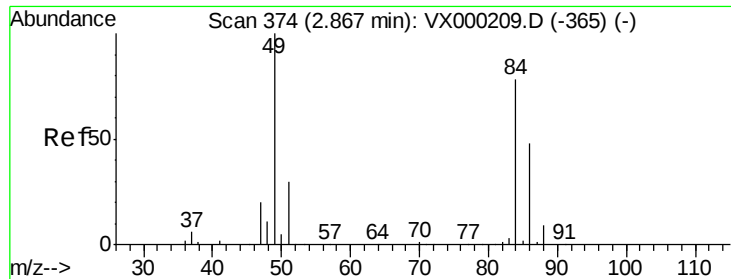
Tgt Ion: 43 Resp: 2633

Ion Ratio Lower Upper

43 100

58 29.4 23.8 35.6

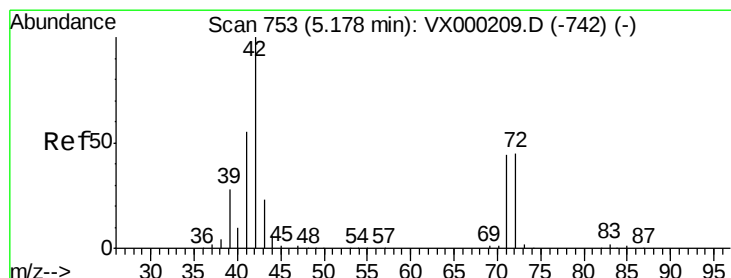
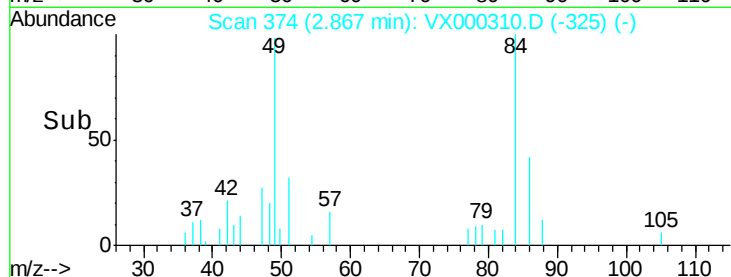
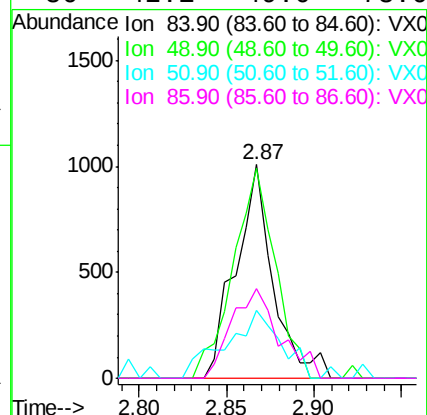
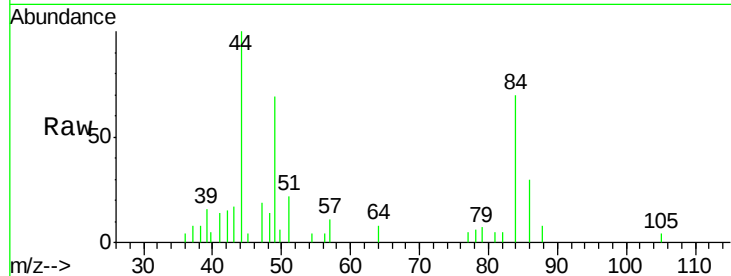




#20
Methylene Chloride
Concen: 1.12 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000310.D
Acq: 13 Mar 2018 19:37

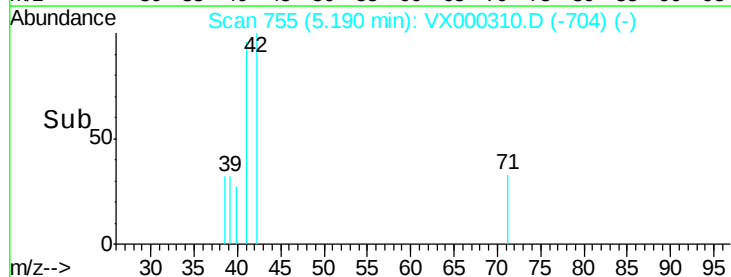
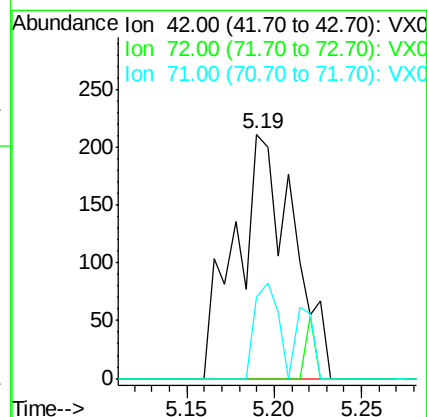
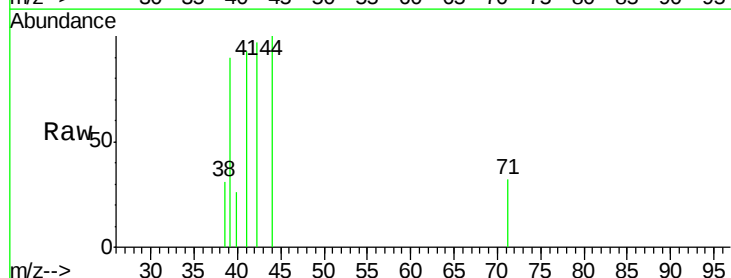
Instrument :
MSVOA_X
ClientSampled :
RT-4008

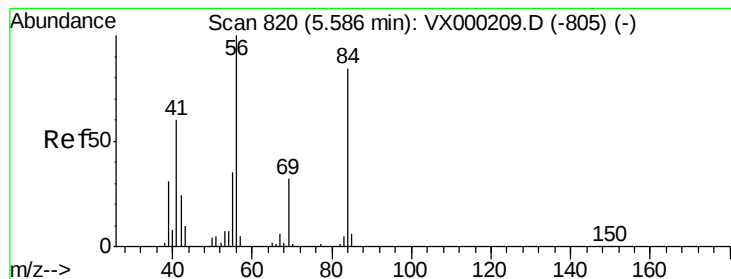
Tot Ion	Ratio	Lower	Upper
84	100		
49	98.2	102.1	153.1#
51	31.7	30.6	45.8
86	42.1	49.0	73.6#



#29
Tetrahydrofuran
Concen: 0.55 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX000310.D
Acq: 13 Mar 2018 19:37

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.3	55.9#
71	16.0	35.0	52.4#





#31

Cvclohexane

Concen: 1.76 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

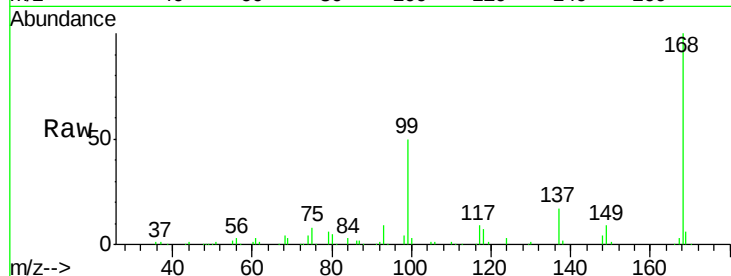
Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

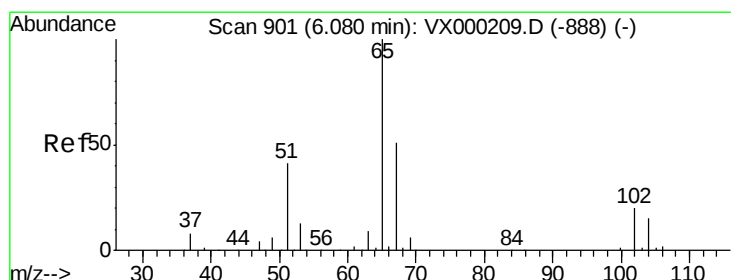
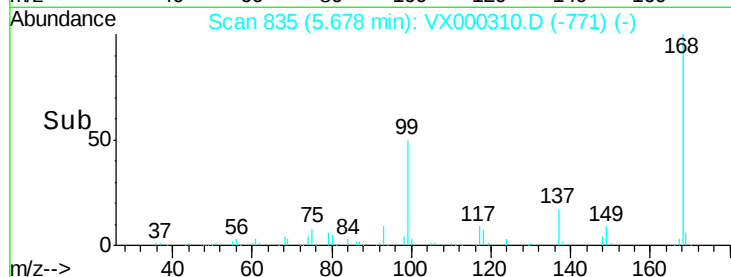
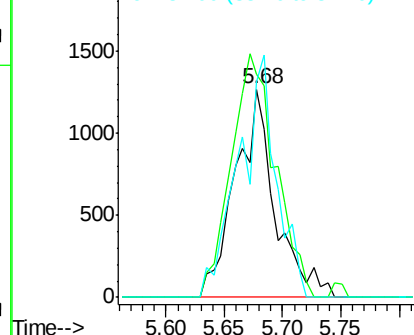
Instrument :
MSVOA_X
ClientSampled :
RT-4008

Tot Ion: 56 Resp: 3013

Ion	Ratio	Lower	Upper
56	100		
69	107.6	25.3	37.9#
84	103.5	67.2	100.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.58 ug/l

RT: 6.08 min Scan# 901

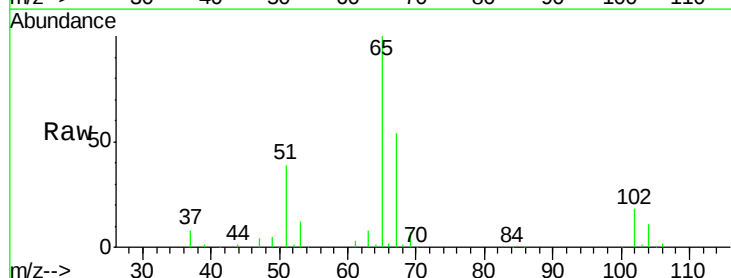
Delta R.T. 0.00 min

Lab File: VX000310.D

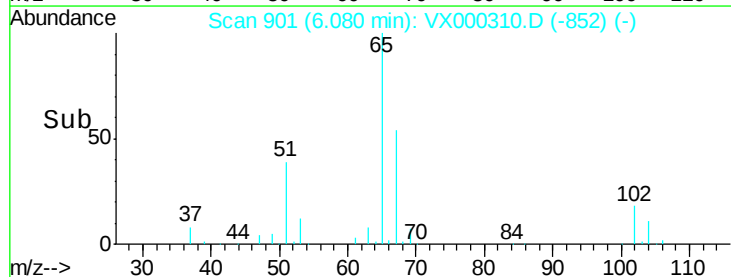
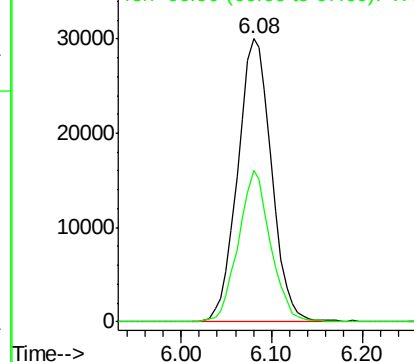
Acq: 13 Mar 2018 19:37

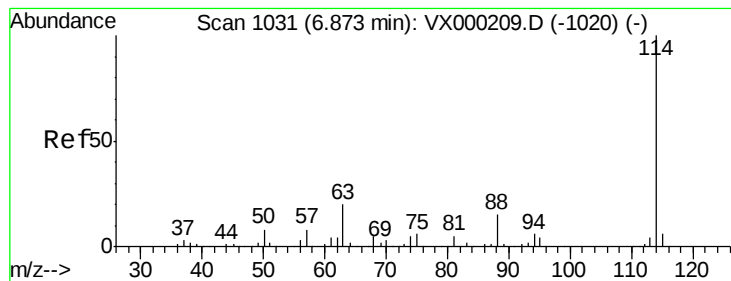
Tgt Ion: 65 Resp: 77712

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

RT-4008

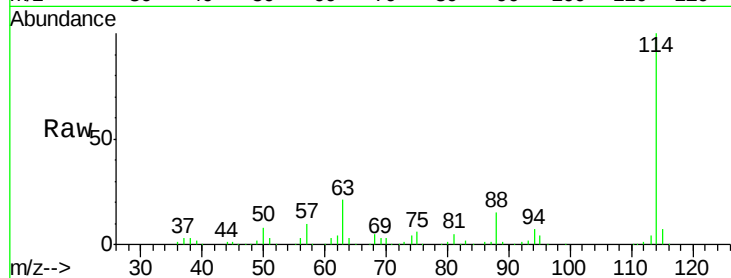
Tot Ion:114 Resp: 190439

Ion Ratio Lower Upper

114 100

63 21.0 0.0 39.2

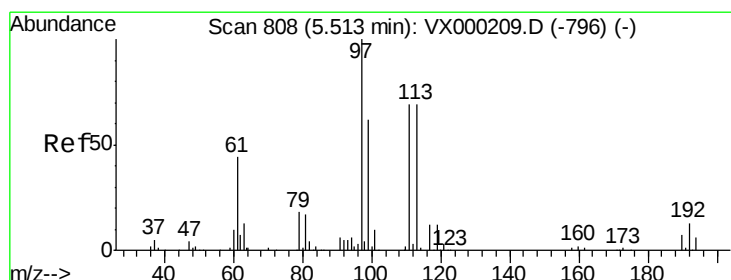
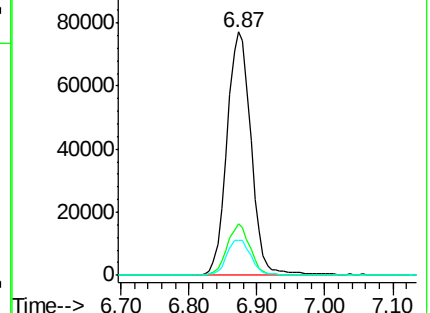
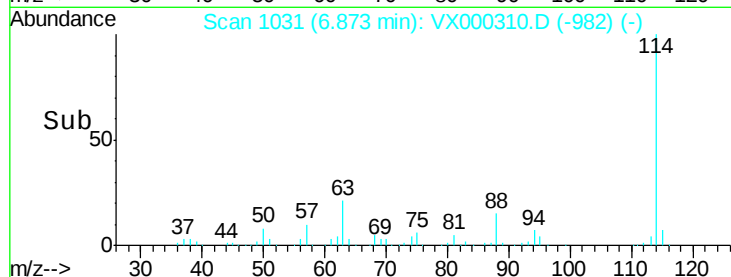
88 14.6 0.0 29.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.44 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

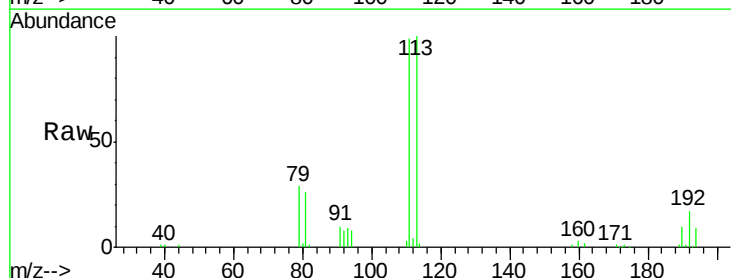
Tgt Ion:113 Resp: 57948

Ion Ratio Lower Upper

113 100

111 104.6 83.0 124.6

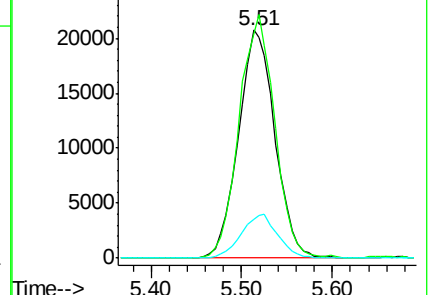
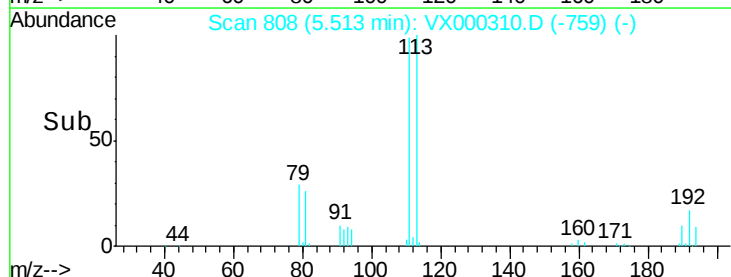
192 19.2 15.5 23.3

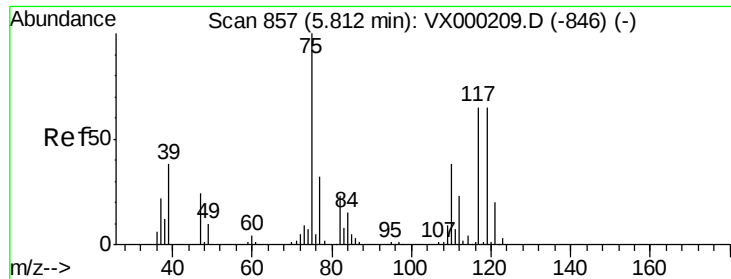


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

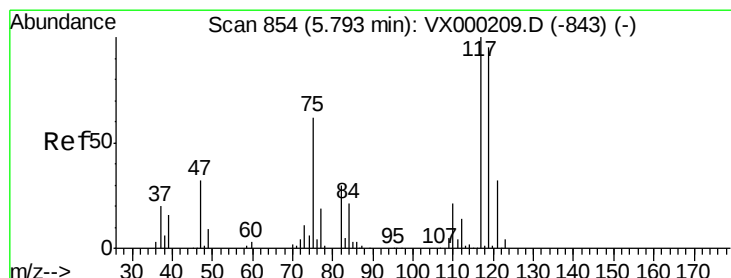
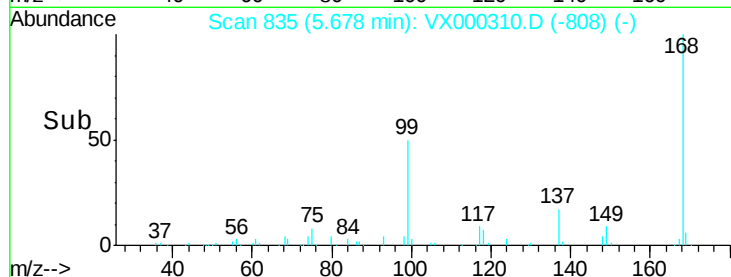
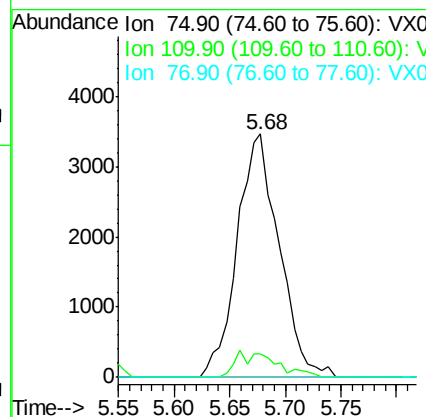
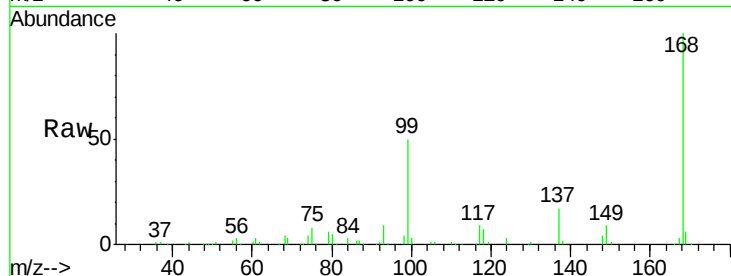




#36
 1,1-Dichloropropene
 Concen: 5.34 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000310.D
 Acq: 13 Mar 2018 19:37

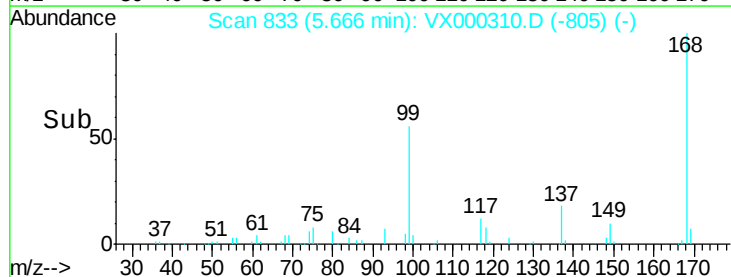
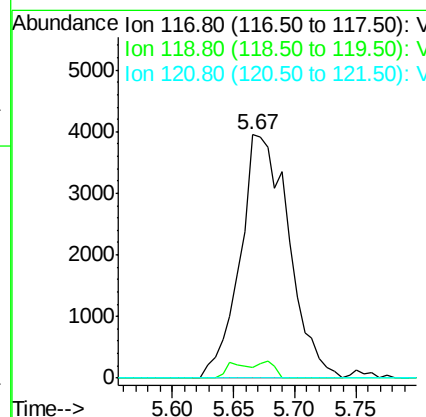
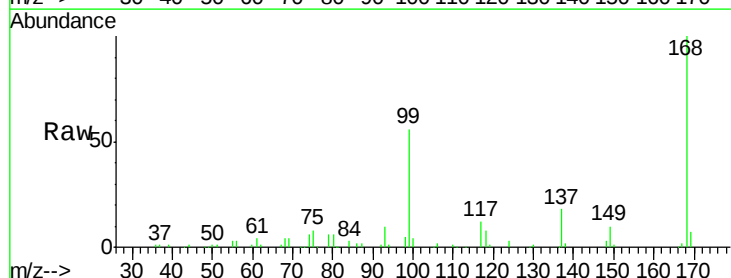
Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4008

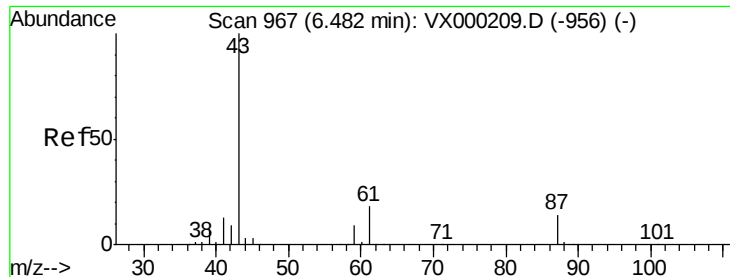
Tot Ion: 75 Resp: 9053
 Ion Ratio Lower Upper
 75 100
 110 3.3 17.8 53.5#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.36 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX000310.D
 Acq: 13 Mar 2018 19:37

Tgt Ion: 117 Resp: 10898
 Ion Ratio Lower Upper
 117 100
 119 4.5 75.9 113.9#
 121 0.0 25.8 38.6#





#43

Isopropyl Acetate

Concen: 0.38 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

RT-4008

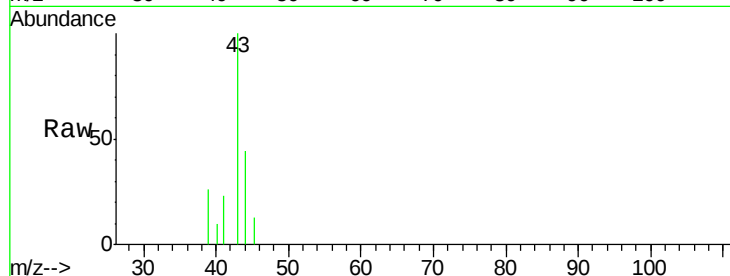
Tot Ion: 43 Resp: 1332

Ion Ratio Lower Upper

43 100

61 1.7 14.8 22.2#

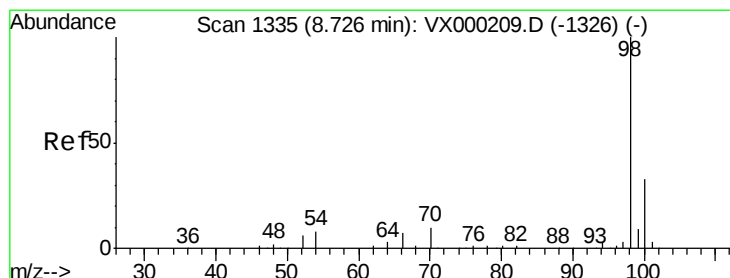
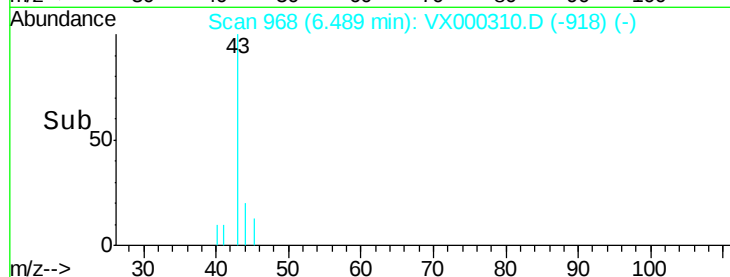
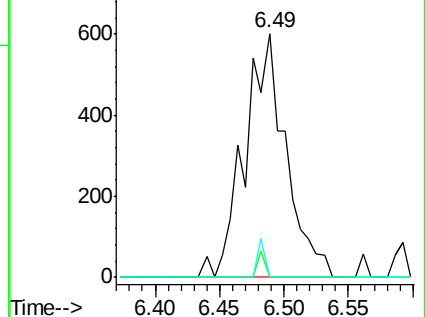
87 2.7 10.6 16.0#



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: 46.69 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VX000310.D

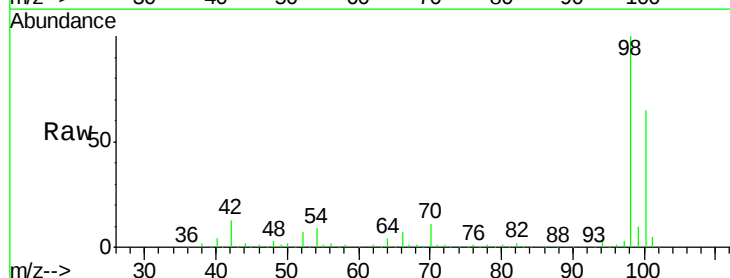
Acq: 13 Mar 2018 19:37

Tgt Ion: 98 Resp: 231325

Ion Ratio Lower Upper

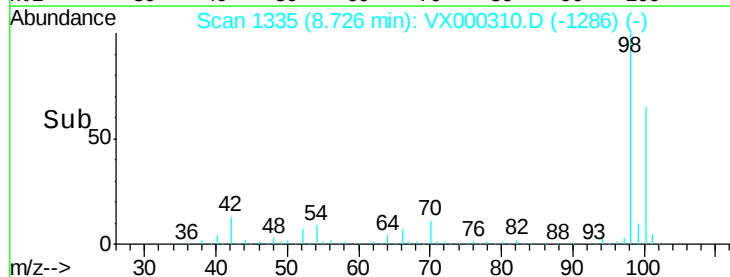
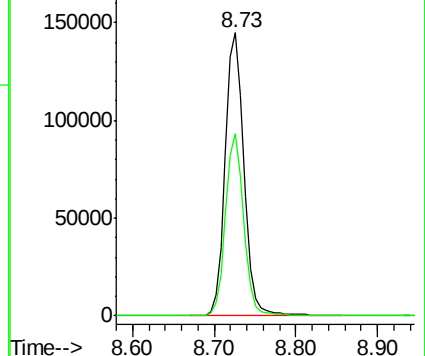
98 100

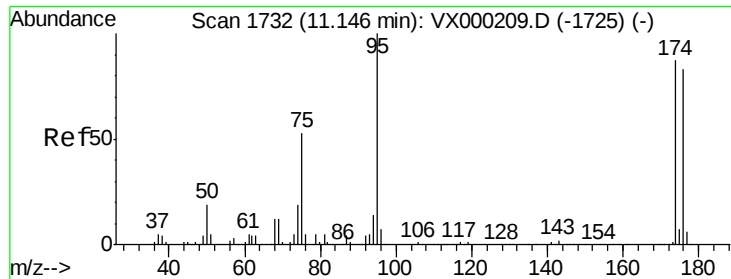
100 62.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 42.63 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

RT-4008

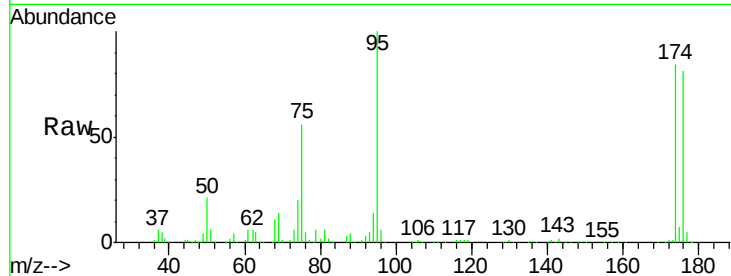
Tot Ion: 95 Resp: 82433

Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.6

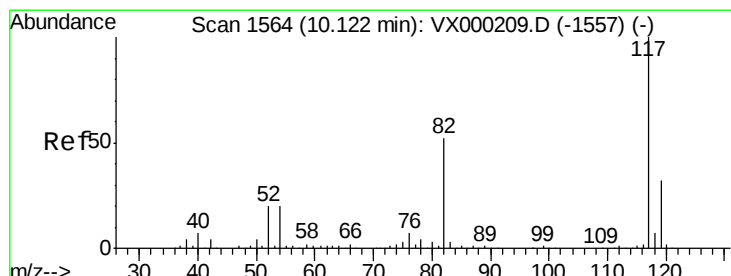
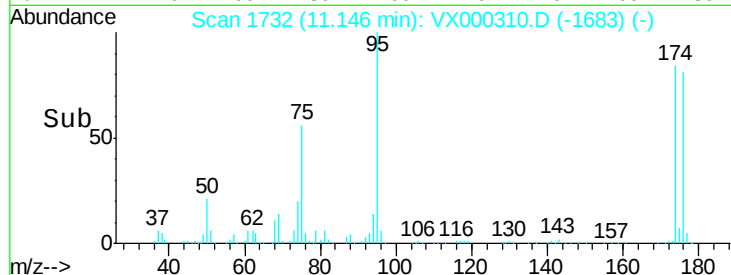
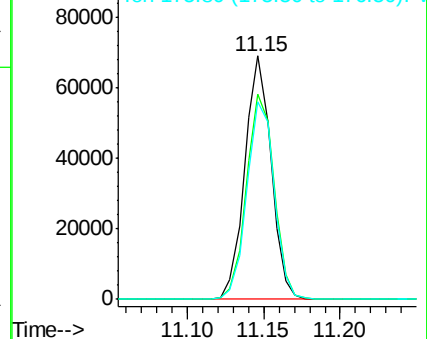
176 84.3 0.0 171.0



Abundance Ion 94.90 (94.60 to 95.60): VX000310.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000310.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000310.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

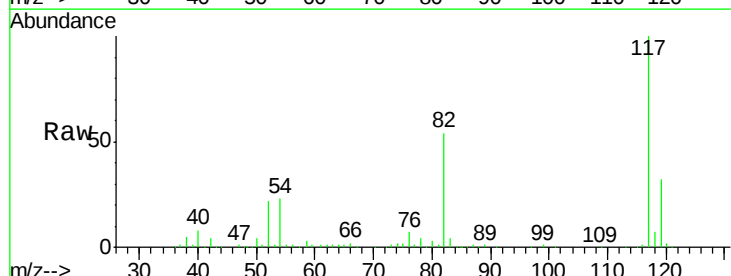
Tgt Ion: 117 Resp: 184082

Ion Ratio Lower Upper

117 100

82 54.4 42.0 63.0

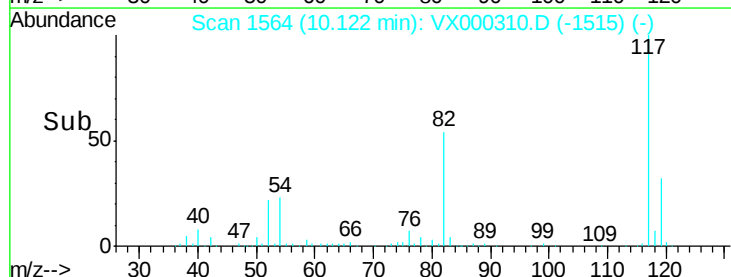
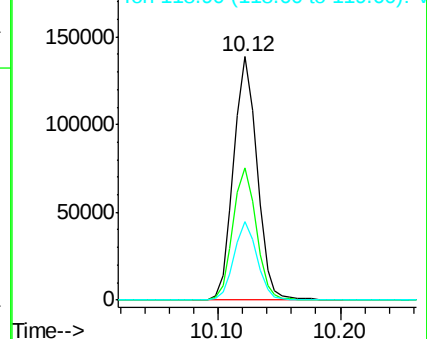
119 32.1 25.3 37.9

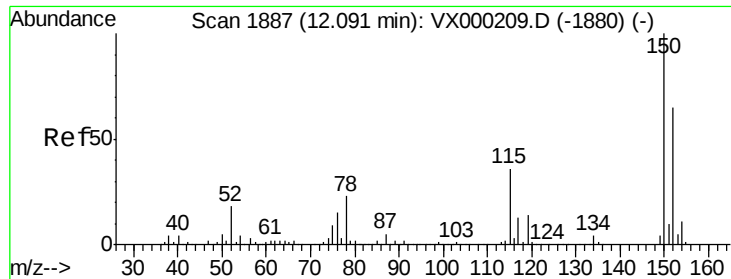


Abundance Ion 116.90 (116.60 to 117.60): VX000310.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000310.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000310.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

RT-4008

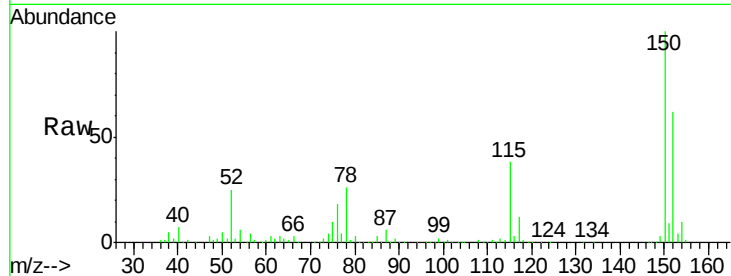
Tot Ion:152 Resp: 96116

Ion Ratio Lower Upper

152 100

115 58.1 39.8 119.3

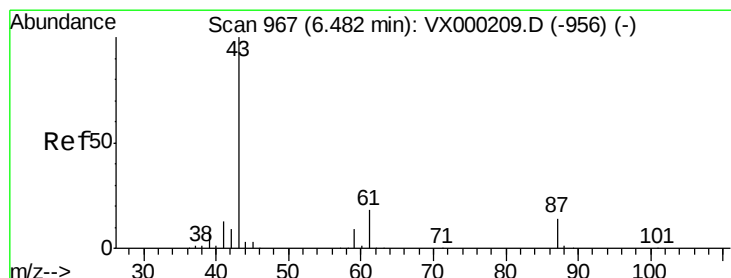
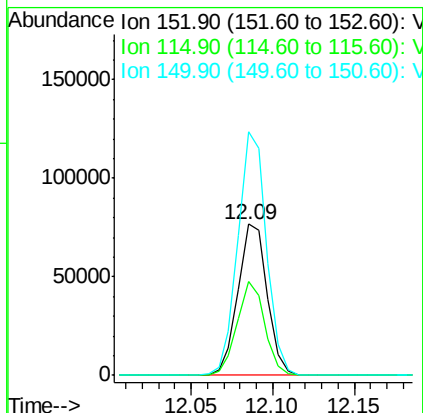
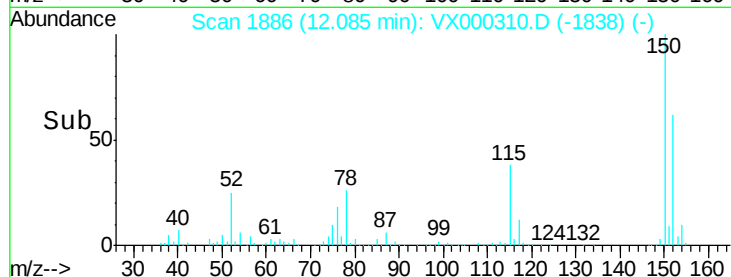
150 157.2 0.0 345.0



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-ethyl acetate

Concen: 0.43 ug/l

RT: 6.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VX000310.D

Acq: 13 Mar 2018 19:37

Tgt Ion: 43 Resp: 1332

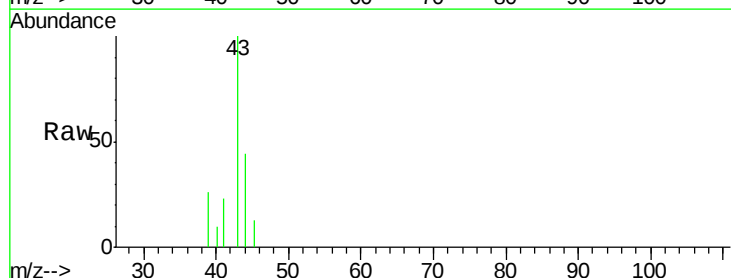
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 1.7 14.8 22.2#

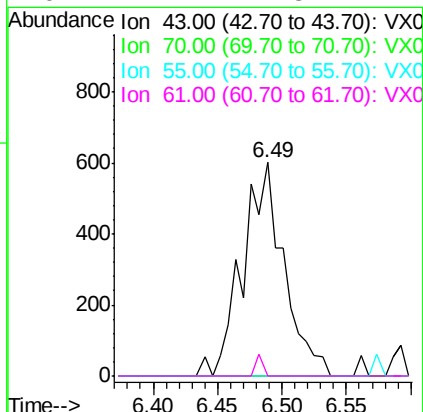
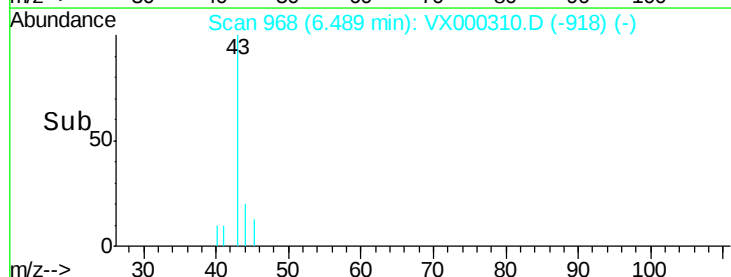


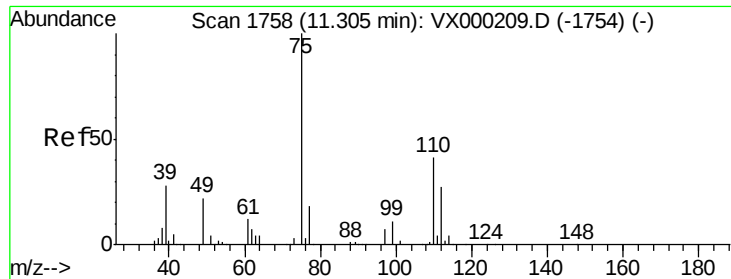
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

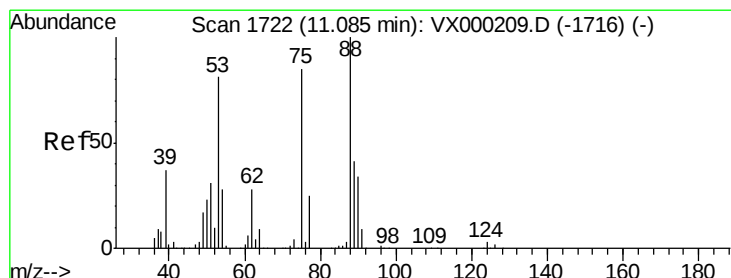
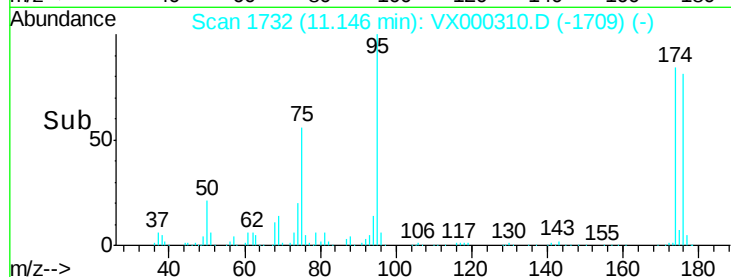
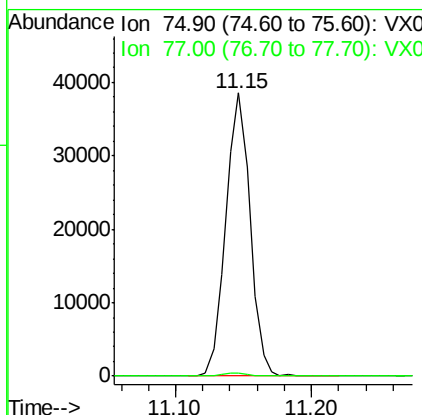
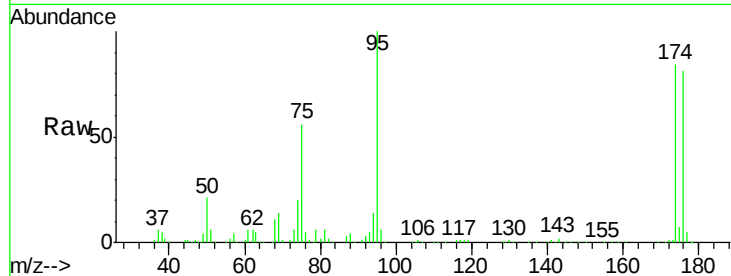




#76
 1,2,3-Trichloropropane
 Concen: 24.79 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000310.D
 Acq: 13 Mar 2018 19:37

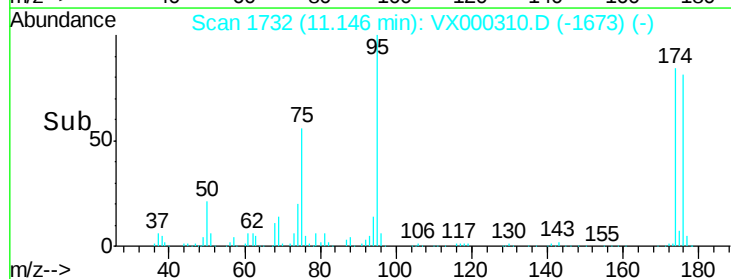
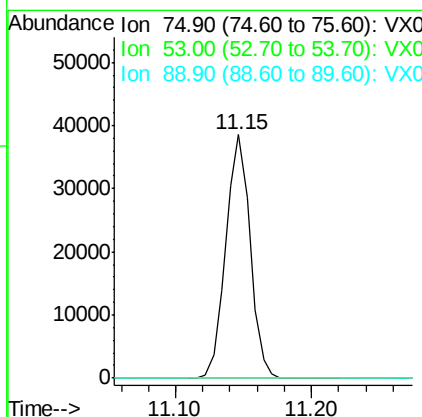
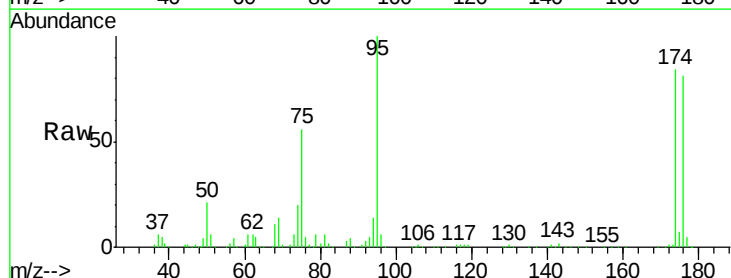
Instrument :
 MSVOA_X
 ClientSampleId :
 RT-4008

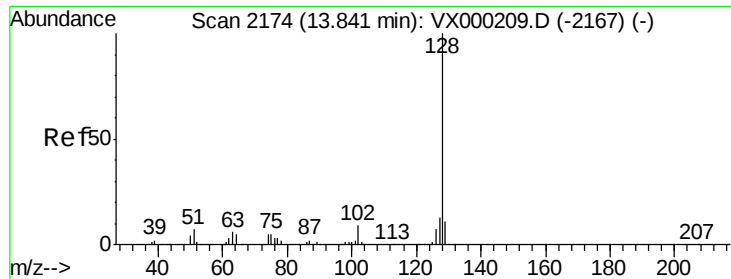
Tot Ion: 75 Resp: 47759
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.91 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000310.D
 Acq: 13 Mar 2018 19:37

Tgt Ion: 75 Resp: 47759
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.1 38.8 58.2#

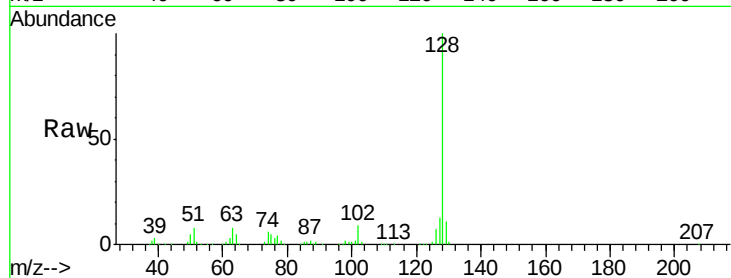




#95
Naphthalene
Concen: 13.75 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000310.D
Acq: 13 Mar 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
RT-4008

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.5	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

