

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033118\
 Data File : VX000609.D
 Acq On : 31 Mar 2018 22:57
 Operator : JC/MD
 Sample : VX0331WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 05:22:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 21 04:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	108025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	178224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	177159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	93262	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	70836	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.51	113	55102	49.07	ug/l	0.00
Spiked Amount			Recovery	=	98.14%	
50) Toluene-d8	8.73	98	220347	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	11.15	95	78825	41.33	ug/l	0.00
Spiked Amount			Recovery	=	82.66%	

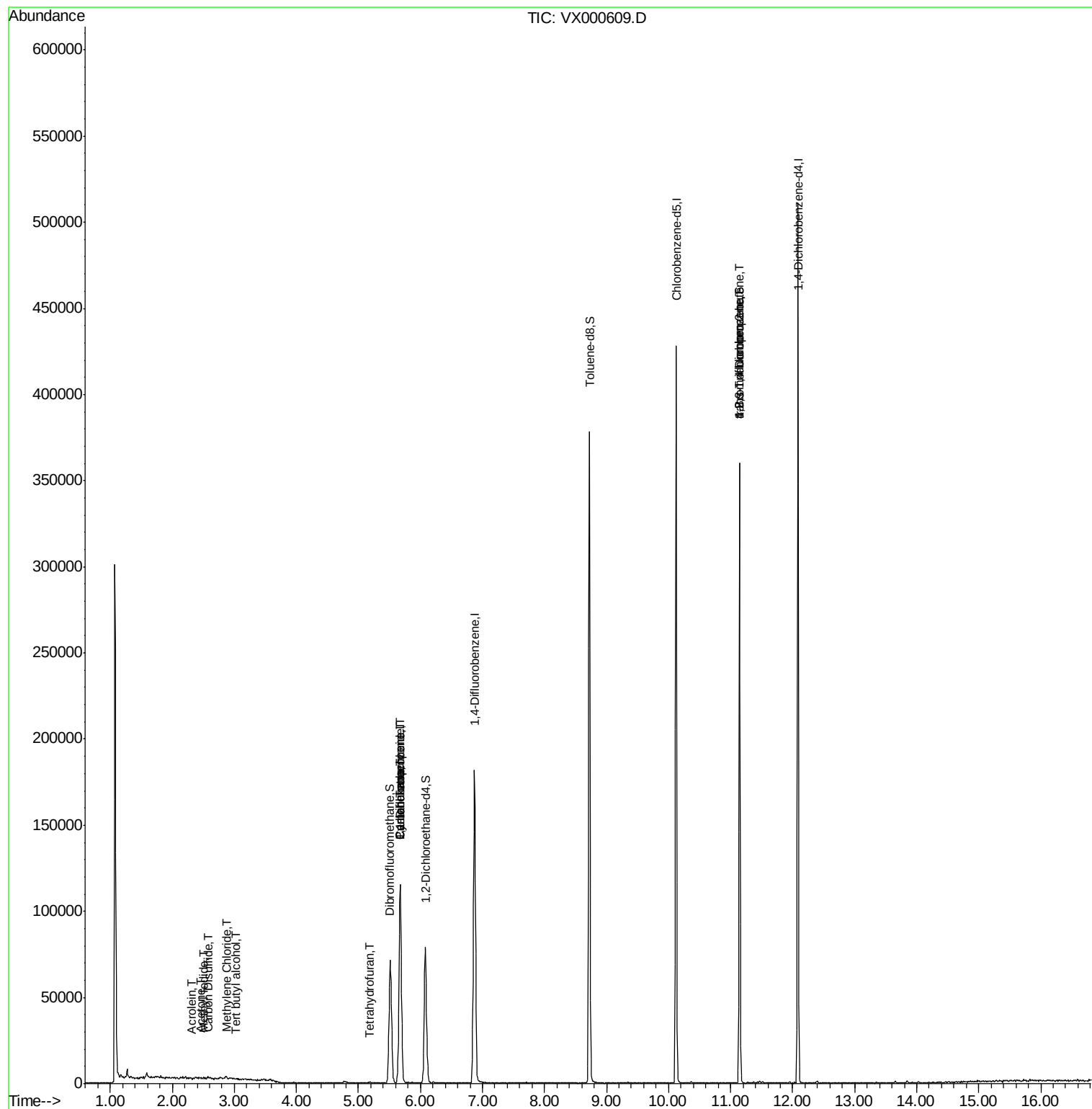
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	379	Below Cal	#	85
10) Methyl Iodide	2.51	142	248	4.447	ug/l #	37
11) Tert butyl alcohol	3.03	59	200	0.412	ug/l #	4
13) Acrolein	2.31	56	51	14.888	ug/l #	13
14) Allyl chloride	2.76	41	75	Below Cal	#	9
16) Acetone	2.46	43	452	0.385	ug/l #	80
17) Carbon Disulfide	2.57	76	1063	0.356	ug/l #	87
20) Methylene Chloride	2.87	84	492	0.363	ug/l #	56
29) Tetrahydrofuran	5.18	42	202	0.249	ug/l #	42
31) Cyclohexane	5.67	56	2729	1.534	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	8423	5.045	ug/l #	51
38) Carbon Tetrachloride	5.68	117	10631	6.070	ug/l #	15
74) N-amyl acetate	6.41	43	29	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	45228	22.565	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	45228	73.057	ug/l #	9

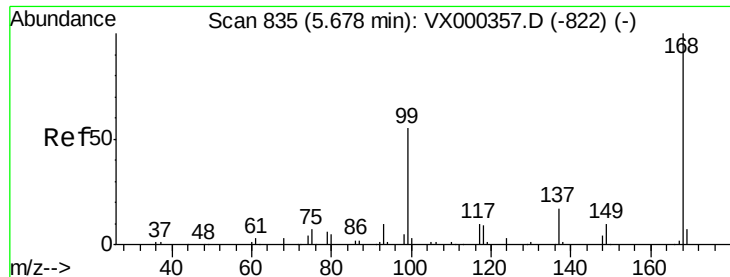
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 21 04:52:42 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Instrument :

MSVOA_X

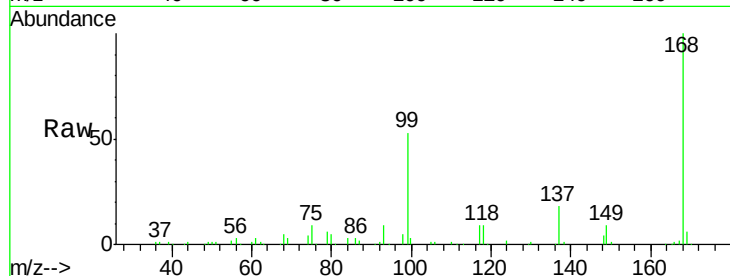
ClientSampleId :

Tot Ion:168 Resp: 108025

Ion Ratio Lower Upper

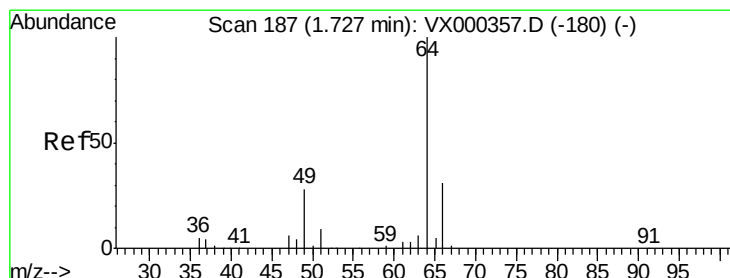
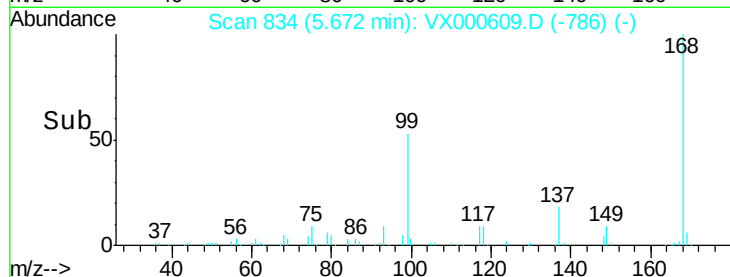
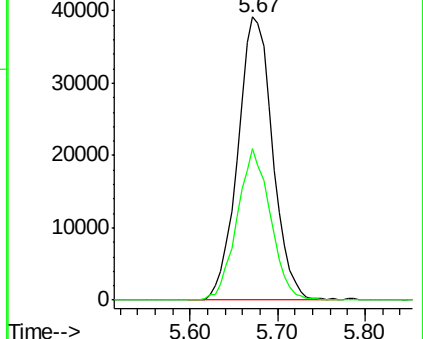
168 100

99 53.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX000609.D

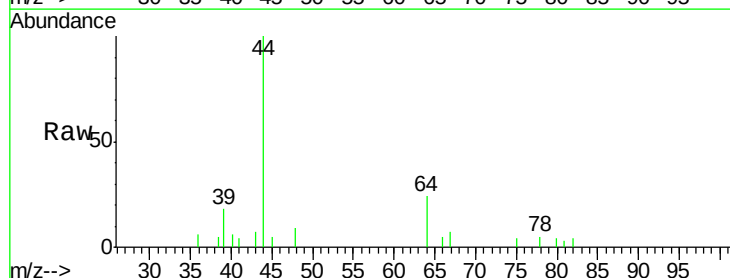
Acq: 31 Mar 2018 22:57

Tgt Ion: 64 Resp: 379

Ion Ratio Lower Upper

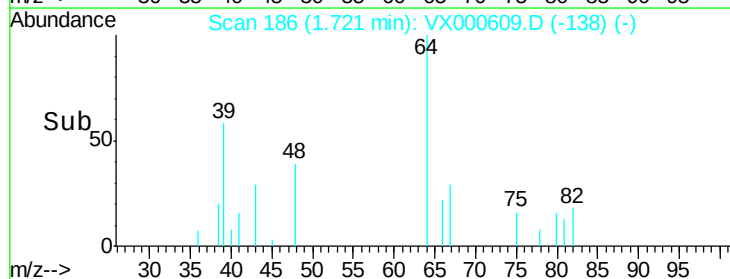
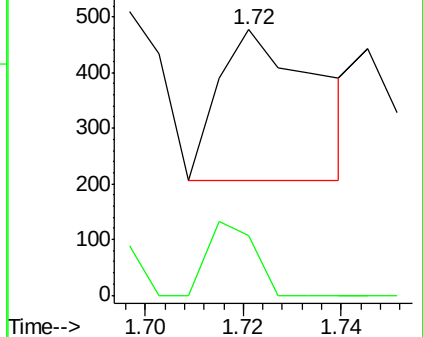
64 100

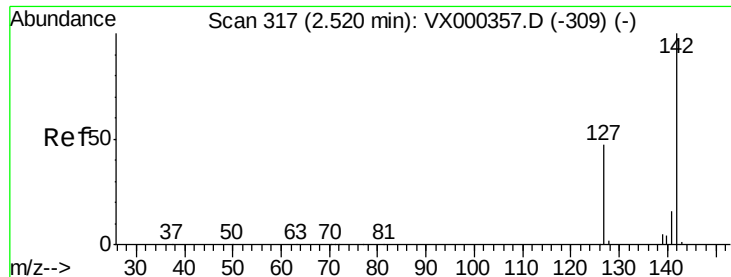
66 39.5 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

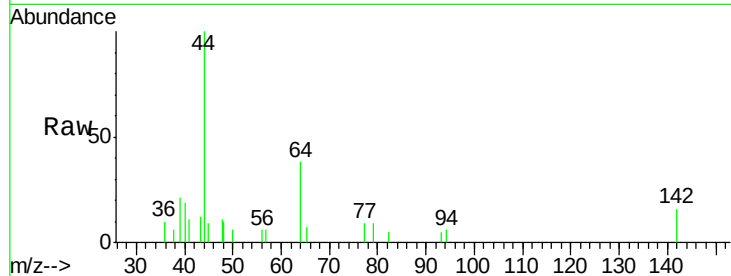




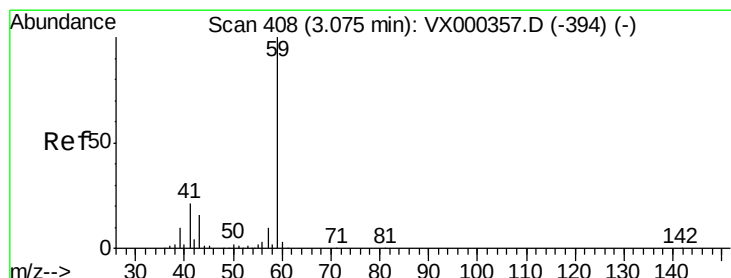
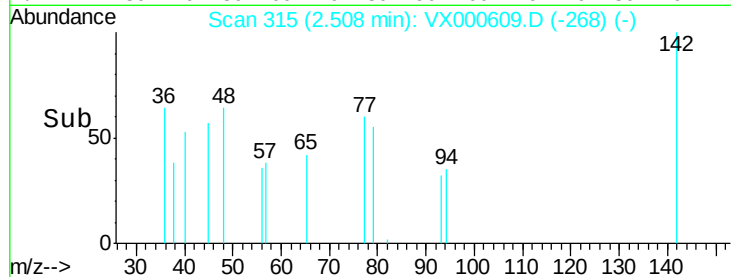
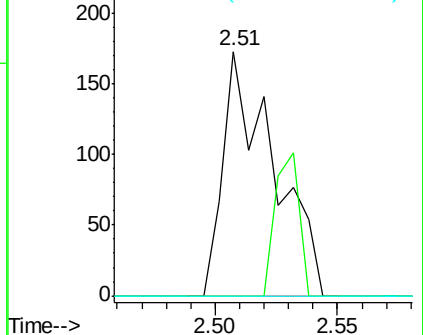
#10
Methyl Iodide
Concen: 4.447 ug/l
RT: 2.51 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX000609.D
Acq: 31 Mar 2018 22:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 248
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

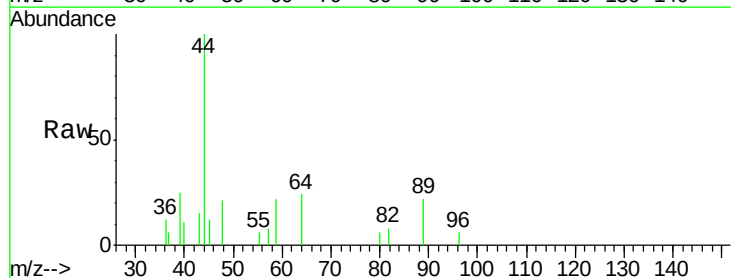


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

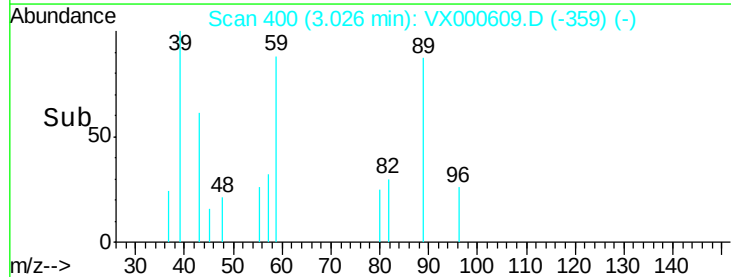
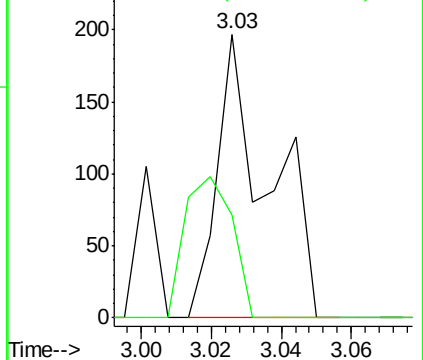


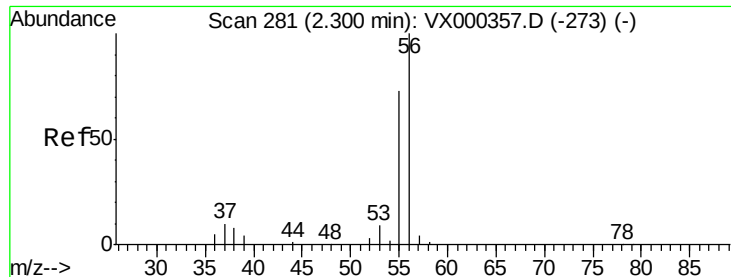
#11
Tert butyl alcohol
Concen: 0.412 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX000609.D
Acq: 31 Mar 2018 22:57

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 46.5 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: 14.888 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Instrument :

MSVOA_X

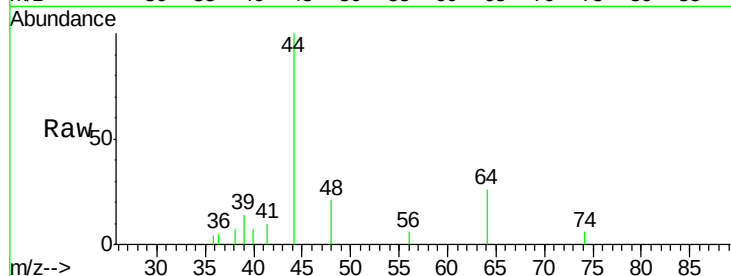
ClientSampled :

Tot Ion: 56 Resp: 51

Ion Ratio Lower Upper

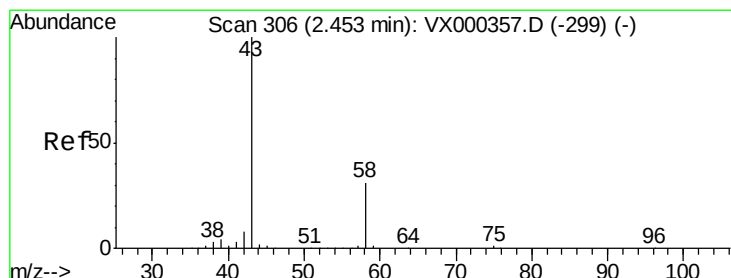
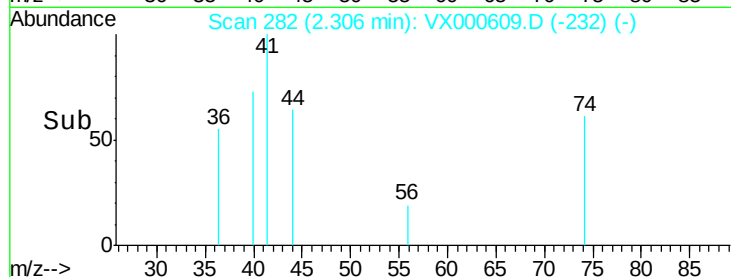
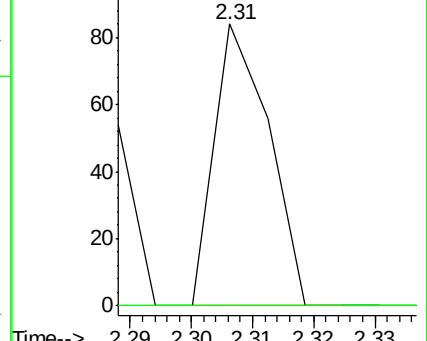
56 100

55 0.0 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.385 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000609.D

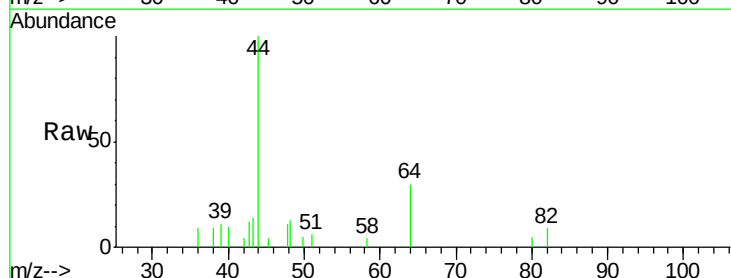
Acq: 31 Mar 2018 22:57

Tgt Ion: 43 Resp: 452

Ion Ratio Lower Upper

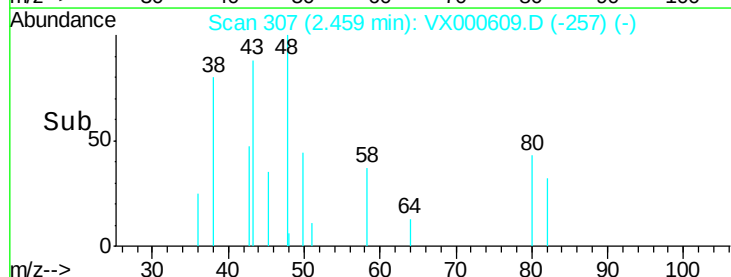
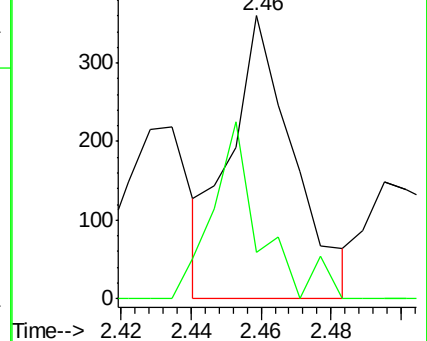
43 100

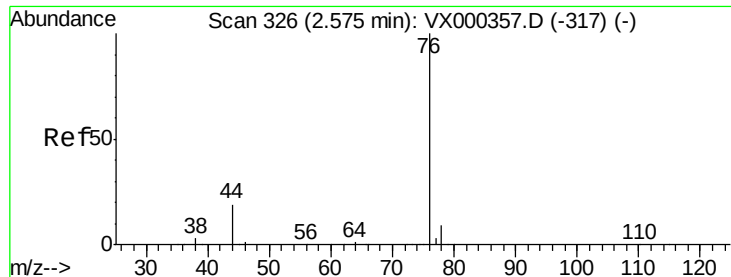
58 19.9 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.356 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Instrument :

MSVOA_X

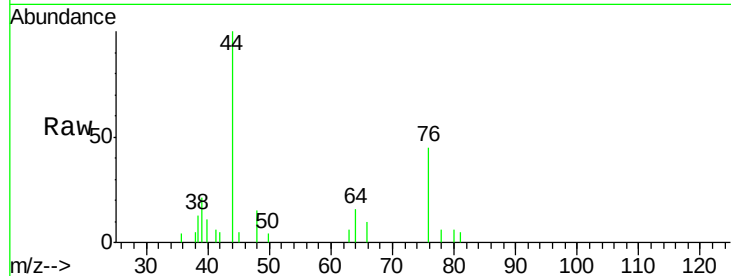
ClientSampleId :

Tot Ion: 76 Resp: 1063

Ion Ratio Lower Upper

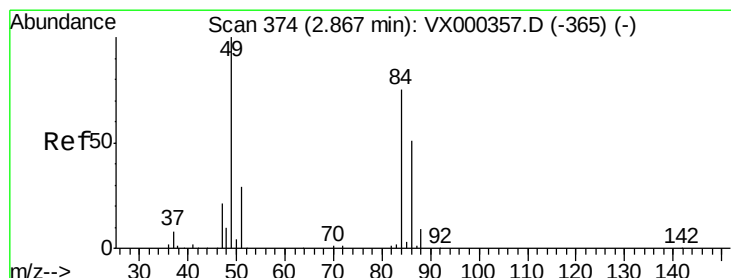
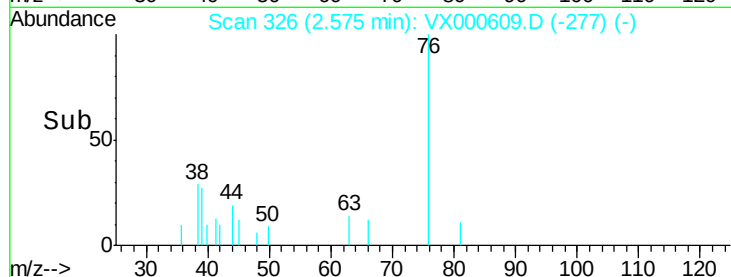
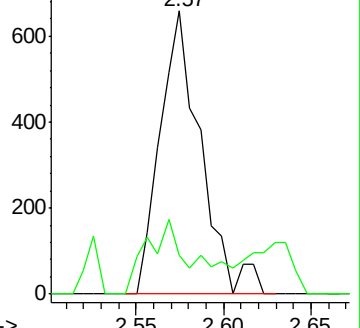
76 100

78 13.5 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.363 ug/l

RT: 2.87 min Scan# 375

Delta R.T. 0.01 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Tgt Ion: 84 Resp: 492

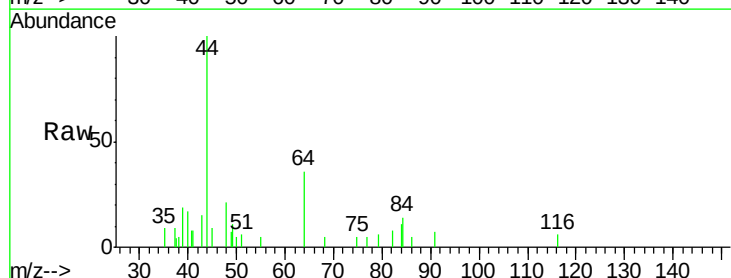
Ion Ratio Lower Upper

84 100

49 75.8 100.6 151.0#

51 24.2 31.6 47.4#

86 21.4 52.6 78.8#

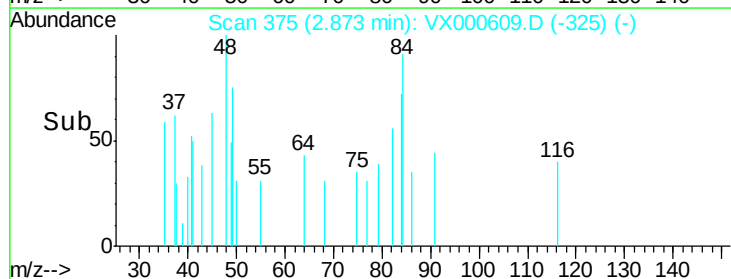
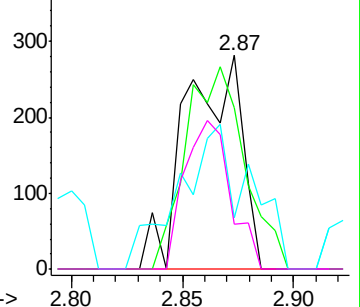


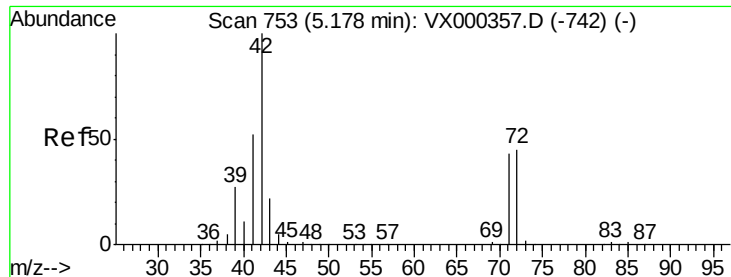
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Instrument :

MSVOA_X

ClientSampled :

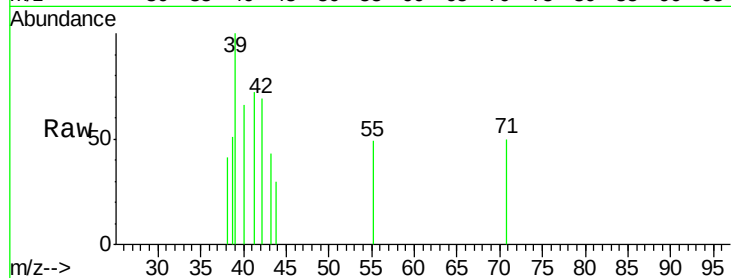
Tot Ion: 42 Resp: 202

Ion Ratio Lower Upper

42 100

72 0.0 37.9 56.9#

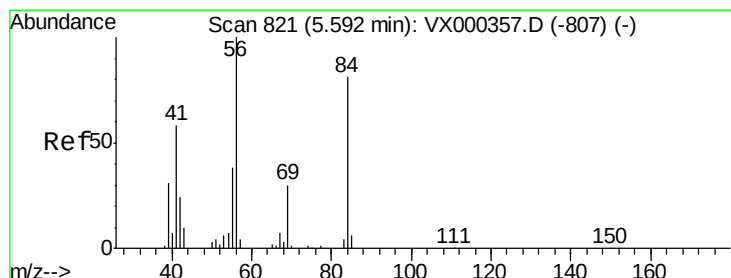
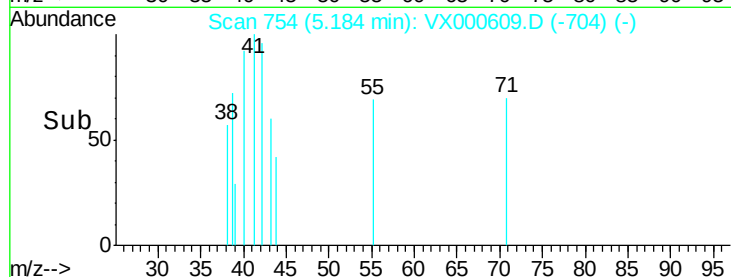
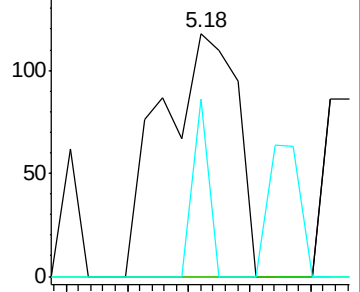
71 15.3 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.534 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

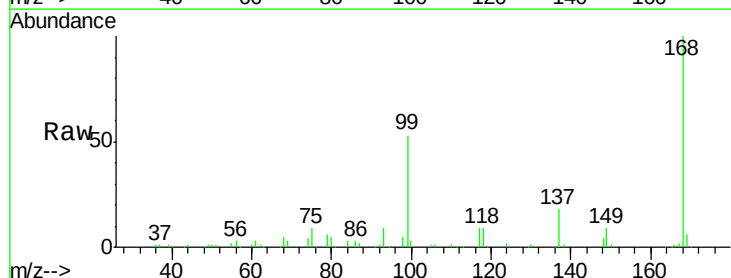
Tgt Ion: 56 Resp: 2729

Ion Ratio Lower Upper

56 100

69 125.0 23.4 35.0#

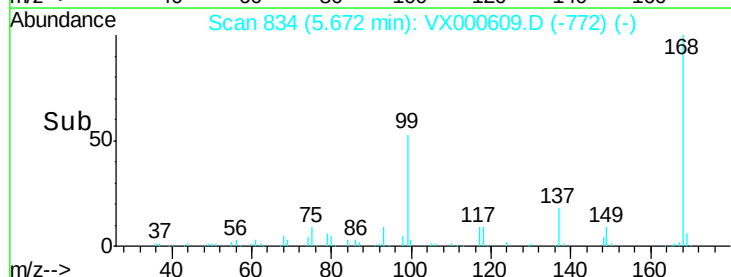
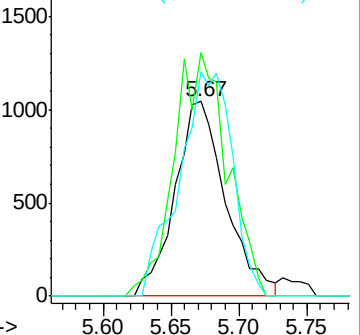
84 115.1 71.0 106.4#

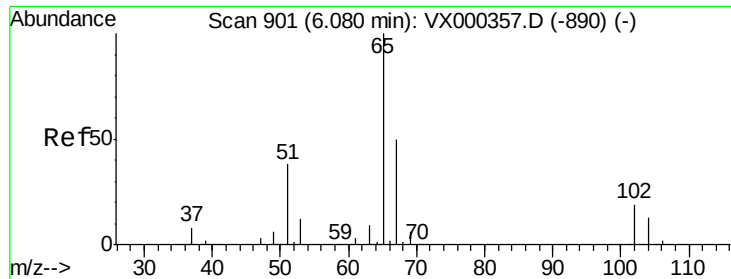


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

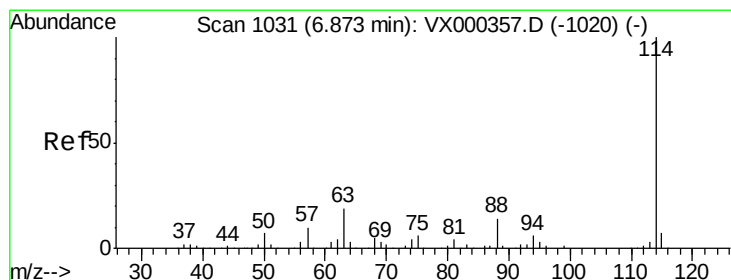
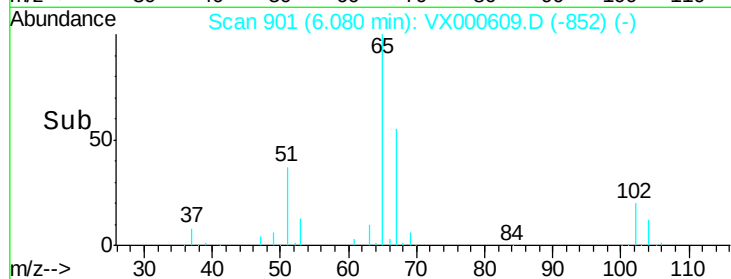
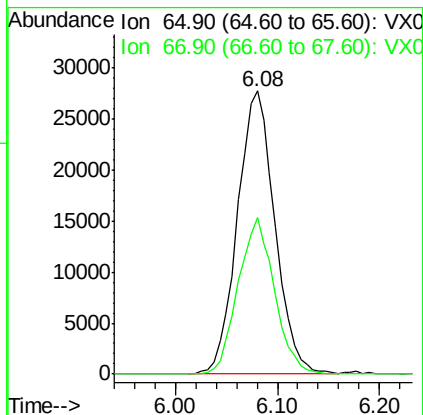
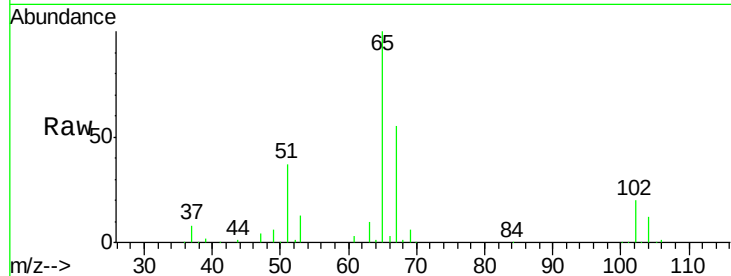




#33
 1,2-Dichloroethane-d4
 Concen: 50.235 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000609.D
 Acq: 31 Mar 2018 22:57

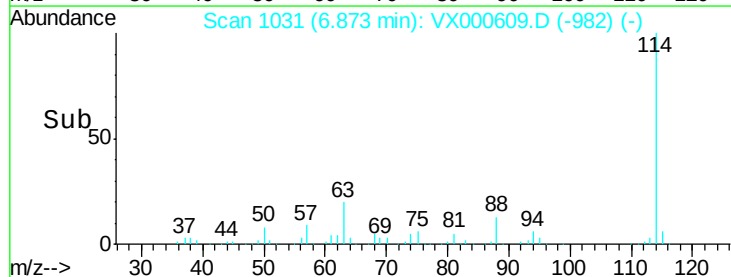
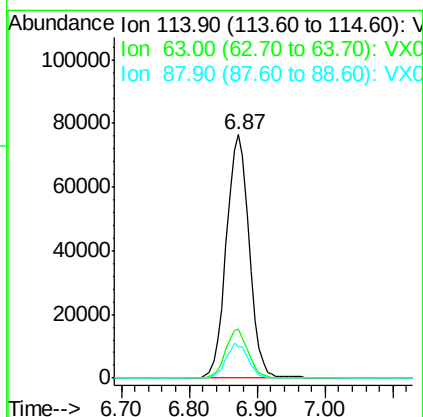
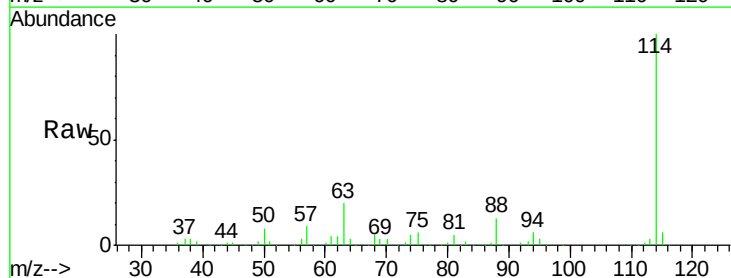
Instrument :
 MSVOA_X
 ClientSampleId :

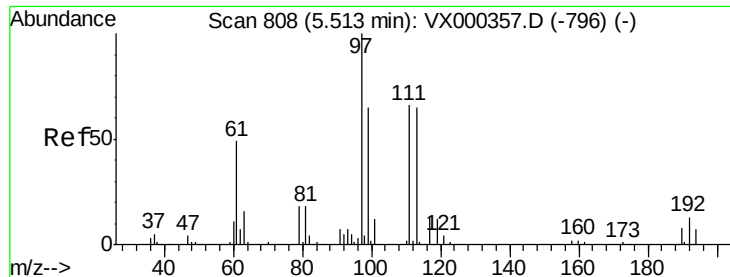
Tot Ion: 65 Resp: 70836
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000609.D
 Acq: 31 Mar 2018 22:57

Tgt Ion: 114 Resp: 178224
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 12.7 0.0 27.0





#35

Dibromofluoromethane

Concen: 49.068 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Instrument :

MSVOA_X

ClientSampled :

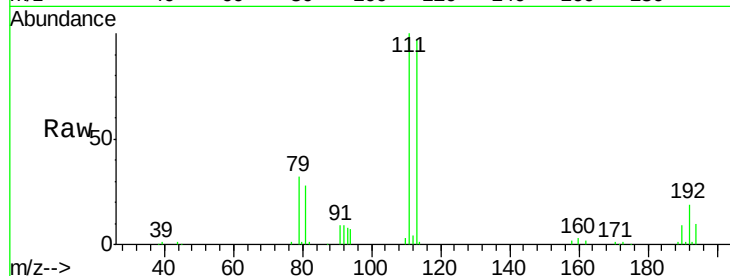
Tot Ion:113 Resp: 55102

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

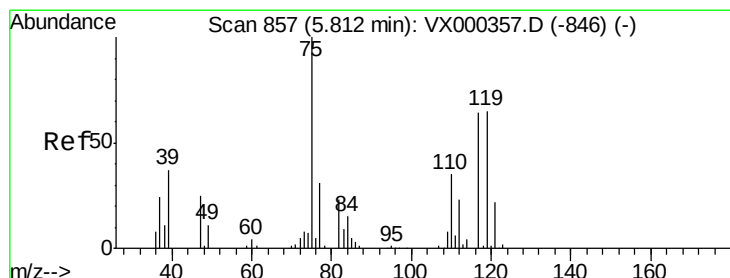
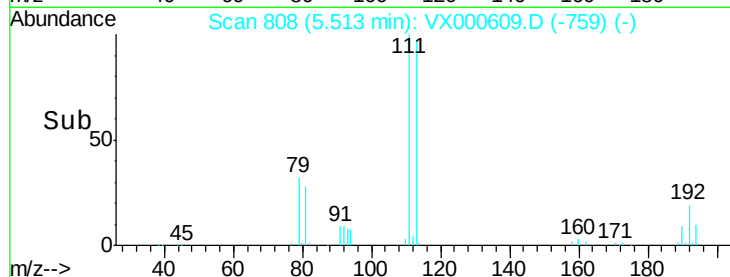
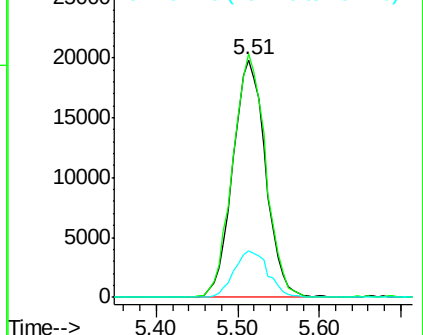
192 20.3 15.8 23.6



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: 5.045 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

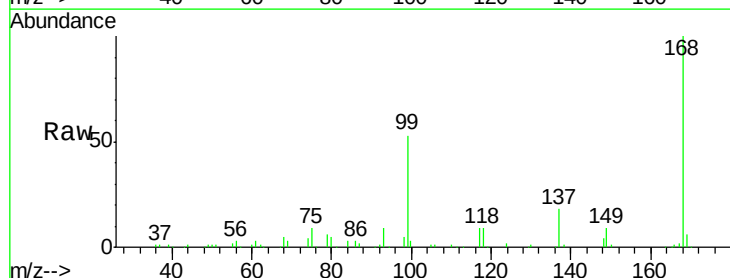
Tgt Ion: 75 Resp: 8423

Ion Ratio Lower Upper

75 100

110 10.1 17.9 53.7#

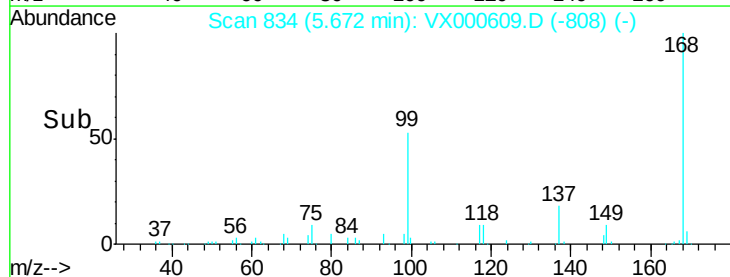
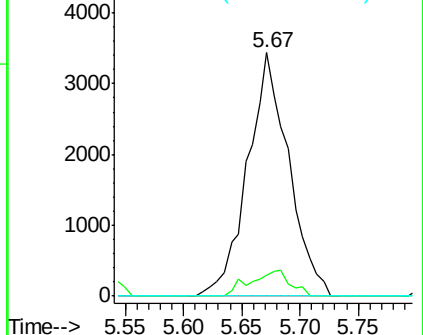
77 0.0 24.0 36.0#

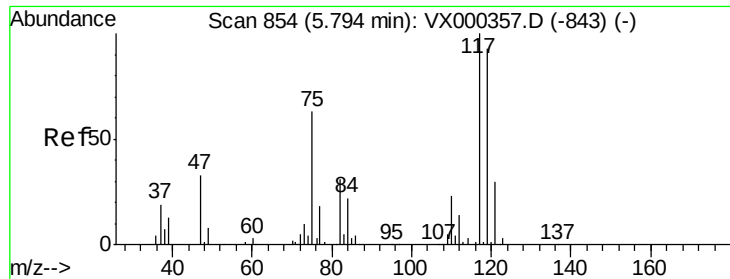


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

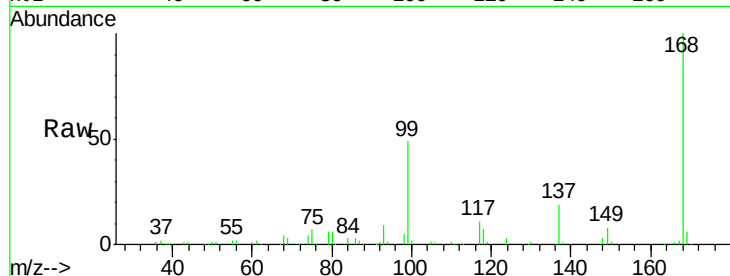




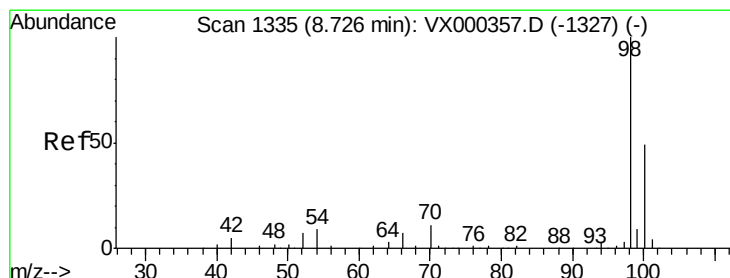
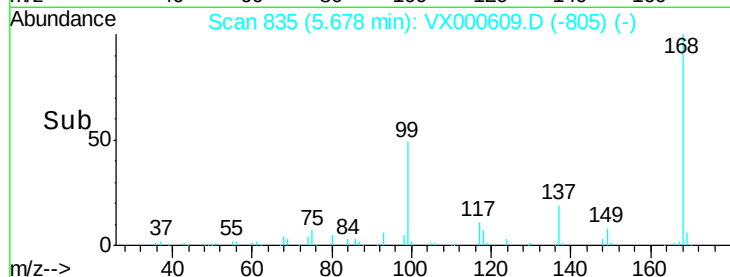
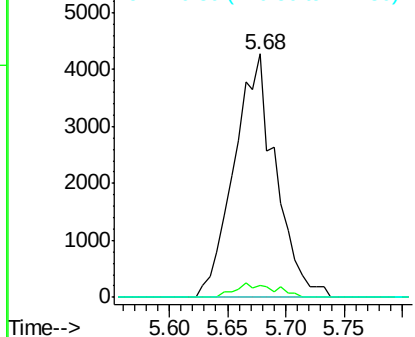
#38
Carbon Tetrachloride
Concen: 6.070 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000609.D
Acq: 31 Mar 2018 22:57

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 10631
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.2#
121 0.0 24.8 37.2#

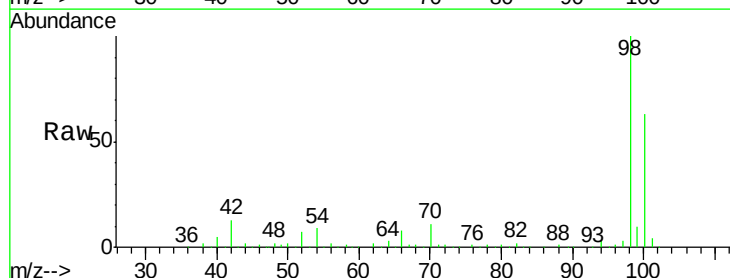


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

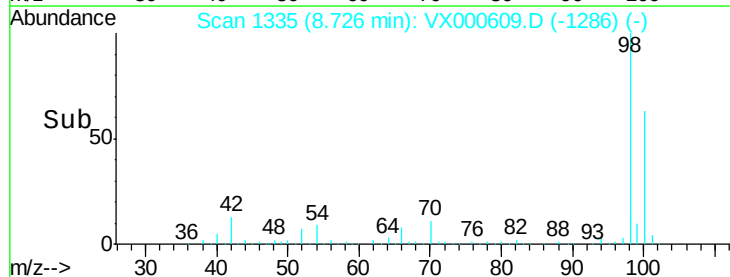
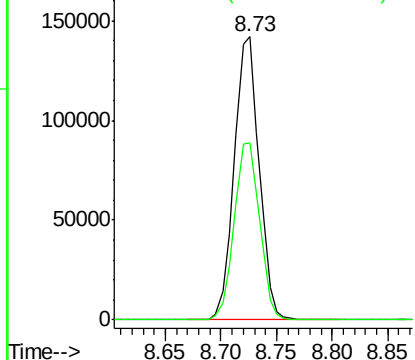


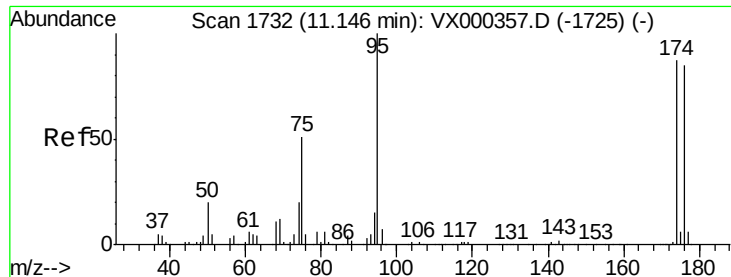
#50
Toluene-d8
Concen: 47.377 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000609.D
Acq: 31 Mar 2018 22:57

Tgt Ion: 98 Resp: 220347
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.330 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

Instrument :

MSVOA_X

ClientSampled :

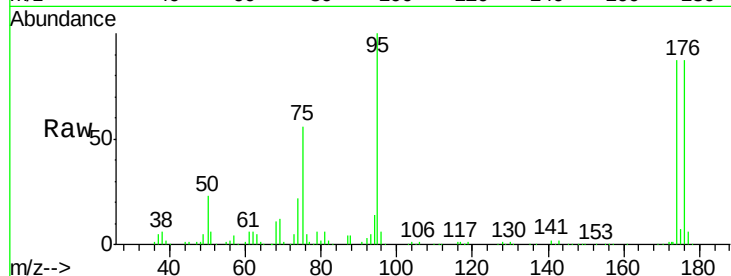
Tot Ion: 95 Resp: 78825

Ion Ratio Lower Upper

95 100

174 90.1 0.0 173.6

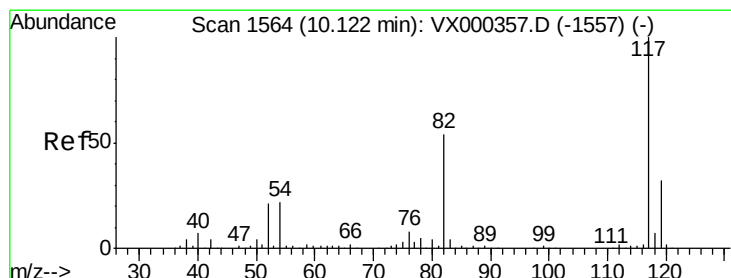
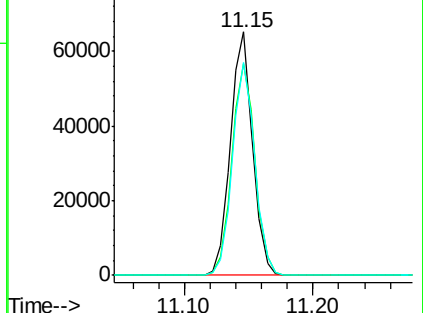
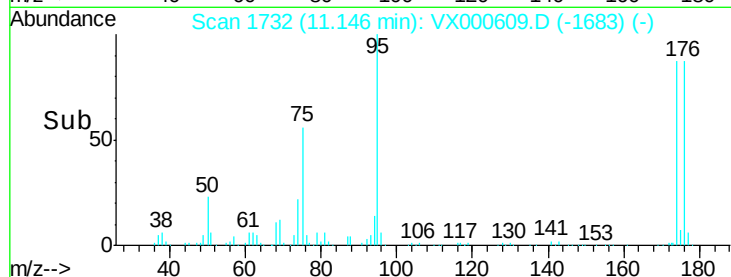
176 88.1 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX000609.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000609.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000609.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000609.D

Acq: 31 Mar 2018 22:57

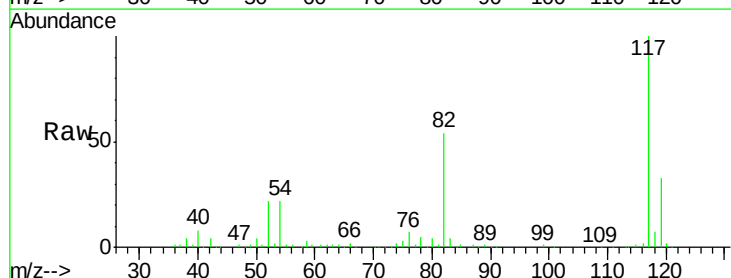
Tgt Ion: 117 Resp: 177159

Ion Ratio Lower Upper

117 100

82 54.0 43.8 65.8

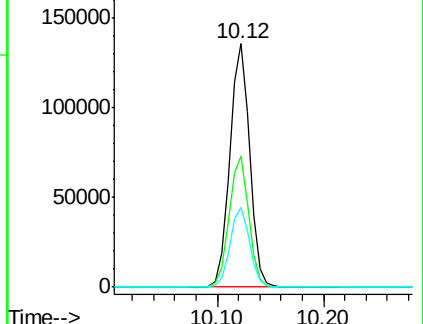
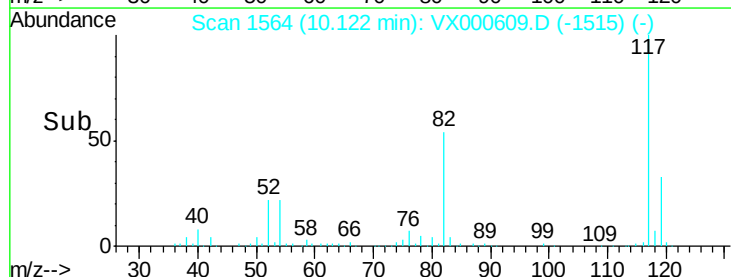
119 32.5 24.9 37.3

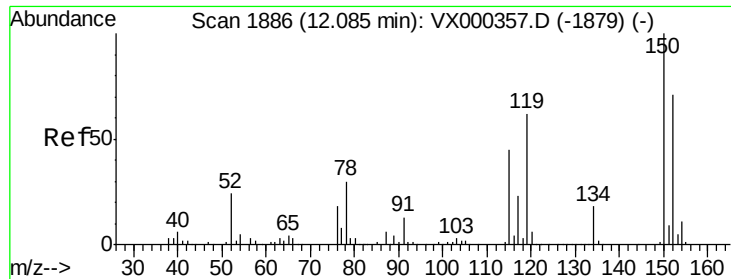


Abundance Ion 116.90 (116.60 to 117.60): VX000609.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000609.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000609.D (-1515) (-)



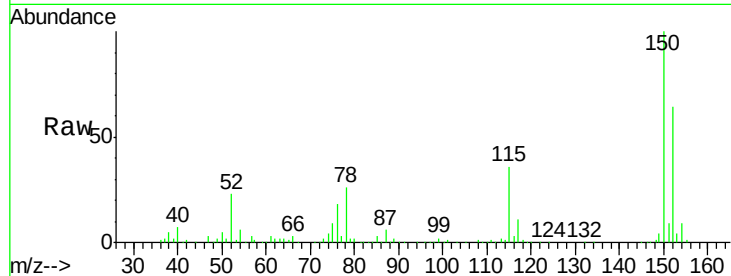


#72

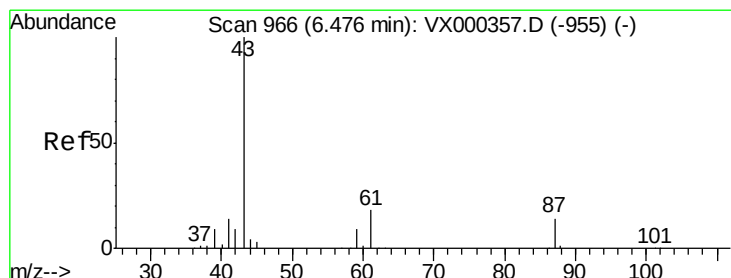
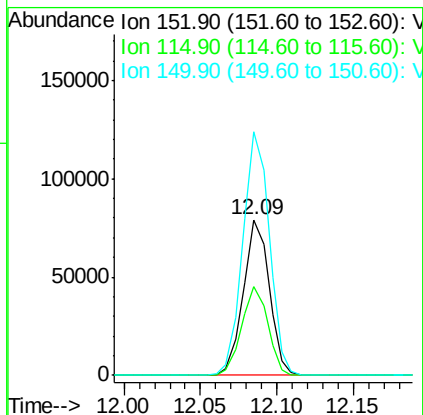
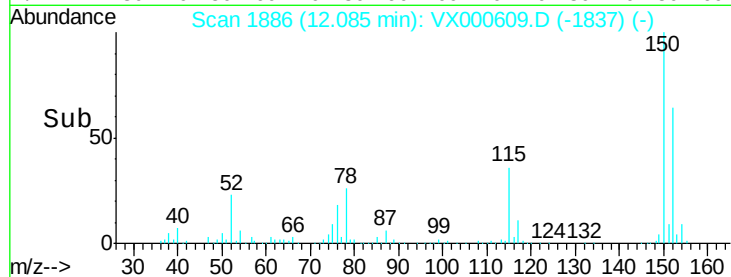
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000609.D
Acq: 31 Mar 2018 22:57

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 93262
Ion Ratio Lower Upper
152 100
115 57.3 39.8 119.3
150 159.8 0.0 344.4



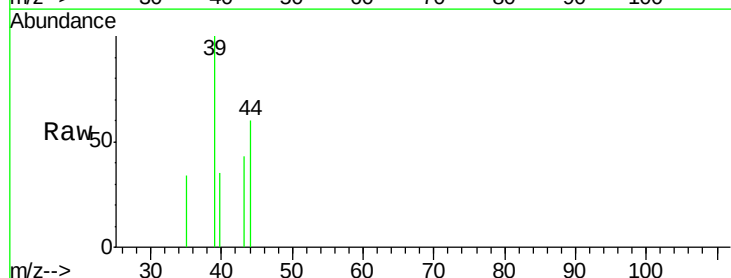
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



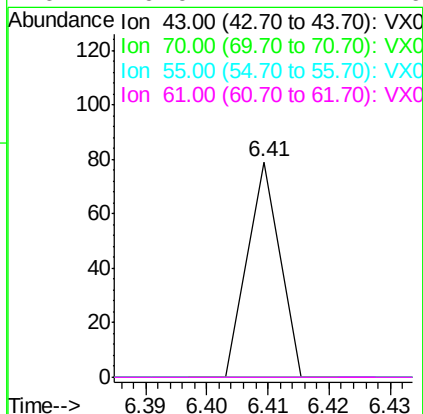
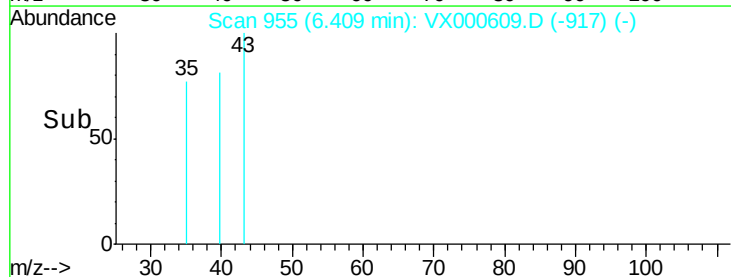
#74

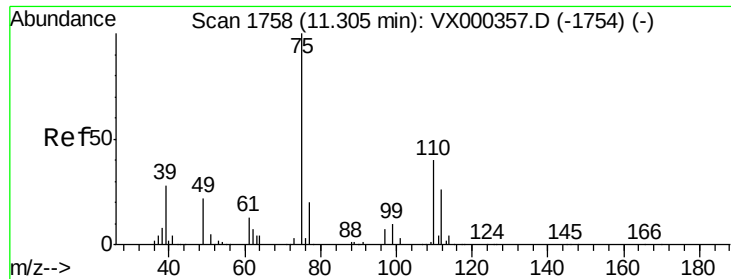
N-ethyl acetate
Concen: Below Cal
RT: 6.41 min Scan# 955
Delta R.T. -0.07 min
Lab File: VX000609.D
Acq: 31 Mar 2018 22:57

Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
70 0.0 0.0 0.0
55 0.0 0.0 0.0
61 0.0 14.4 21.6#



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

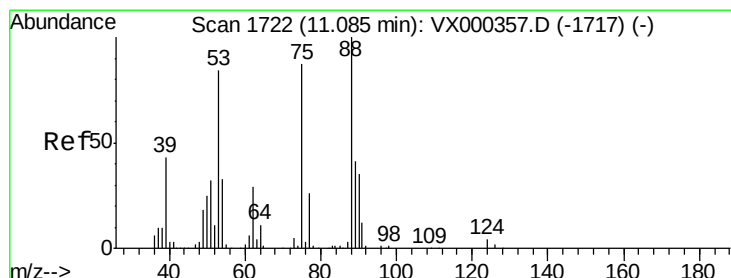
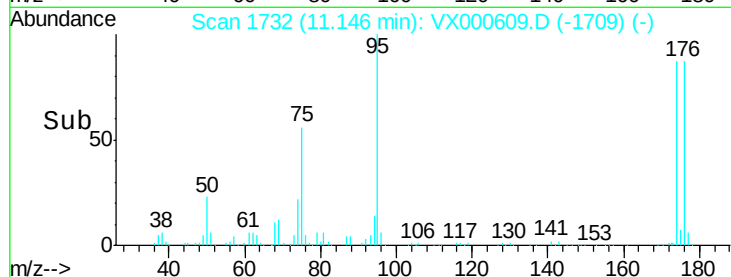
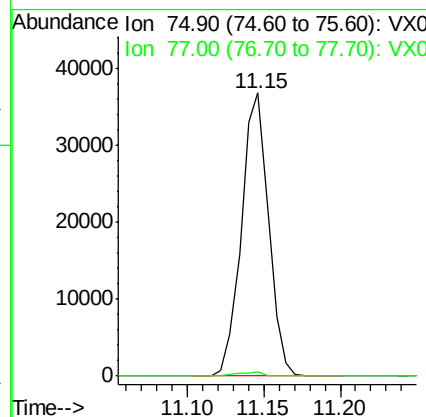
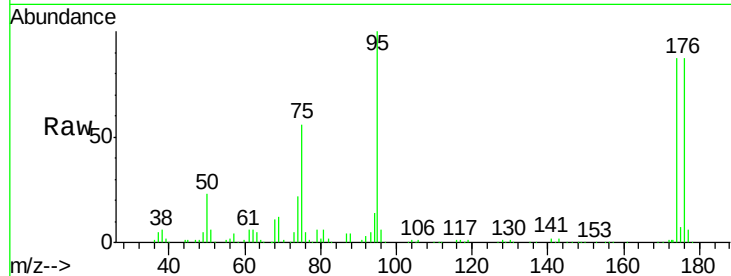




#76
 1,2,3-Trichloropropane
 Concen: 22.565 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. -0.16 min
 Lab File: VX000609.D
 Acq: 31 Mar 2018 22:57

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 45228
 Ion Ratio Lower Upper
 75 100
 77 1.5 21.4 64.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.057 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000609.D
 Acq: 31 Mar 2018 22:57

Tgt Ion: 75 Resp: 45228
 Ion Ratio Lower Upper
 75 100
 53 0.1 80.7 121.1#
 89 0.1 39.4 59.0#

