

Data File : VX001208.D

Acq On : 28 Apr 2018 12:37

Operator : JC/MD

Sample : VX042818WBL01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBL01

Quant Time: Apr 30 01:25:54 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	195438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	266717	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	231247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124168	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	151151	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	5.51	113	119000	53.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.80%	
50) Toluene-d8	8.72	98	452645	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
62) 4-Bromofluorobenzene	11.14	95	146374	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	296	Below Cal		89
10) Methyl Iodide	2.52	142	204	7.32 ug/l #		91
11) Tert butyl alcohol	3.06	59	175	0.29 ug/l		99
13) Acrolein	2.31	56	93	0.41 ug/l #		66
15) Acrylonitrile	3.15	53	560	0.44 ug/l #		82
16) Acetone	2.45	43	429	0.34 ug/l #		78
25) 2-Butanone	4.73	43	493	0.26 ug/l #		1
29) Tetrahydrofuran	5.17	42	259	0.22 ug/l #		59
31) Cyclohexane	5.67	56	3455	1.07 ug/l #		11
36) 1,1-Dichloropropene	5.67	75	11909	4.05 ug/l #		49
38) Carbon Tetrachloride	5.67	117	16668	5.53 ug/l #		16
54) cis-1,3-Dichloropropene	9.05	75	155	3.23 ug/l #		54
60) Dibromochloromethane	9.34	129	67	3.37 ug/l #		11
76) 1,2,3-Trichloropropane	11.14	75	76427	30.23 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.14	75	76427	91.35 ug/l #		6
93) 1,2,4-Trichlorobenzene	13.65	180	692	0.20 ug/l		87
94) Hexachlorobutadiene	13.79	225	658	0.41 ug/l		87

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_X

Client Sample ID :

VX0428WBL01

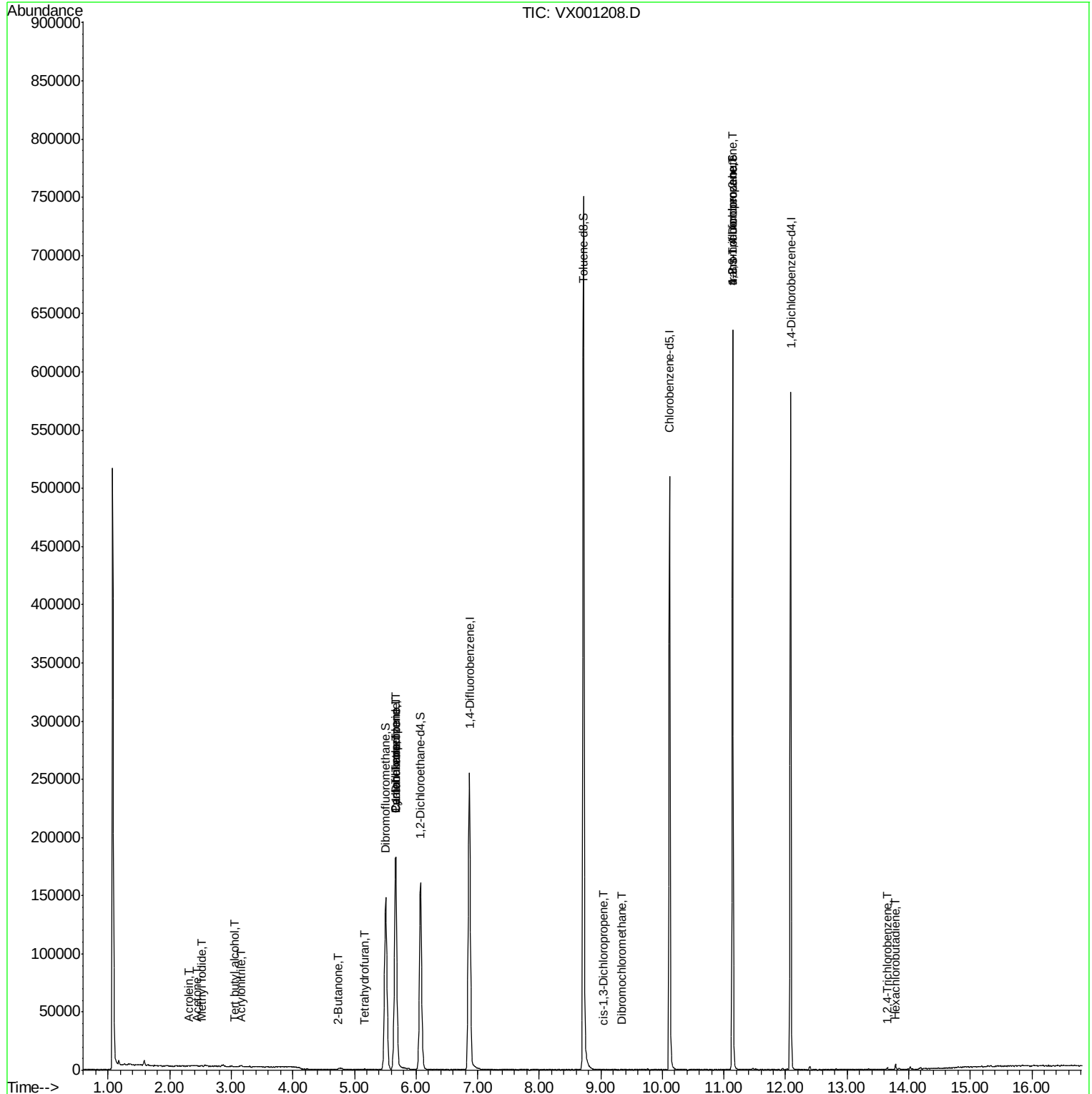
Quant Time: Apr 30 01:25:54 2018

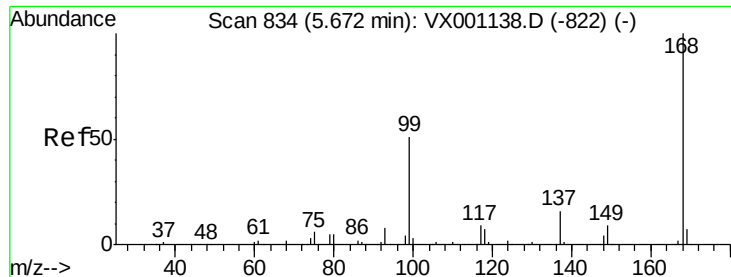
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

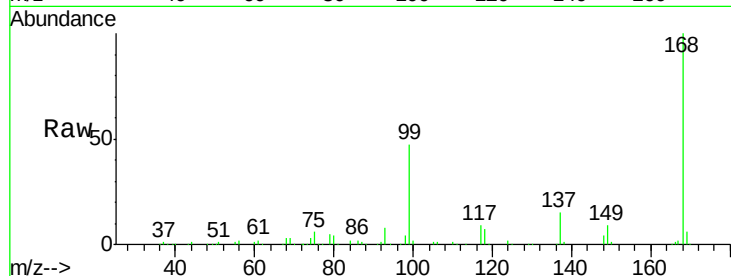
VX0428WBL01

Tgt Ion: 168 Resp: 195438

Ion Ratio Lower Upper

168 100

99 47.2 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): VX001138.D (-822) (-)

Ion 98.90 (98.60 to 99.60): VX001138.D (-822) (-)

5.67

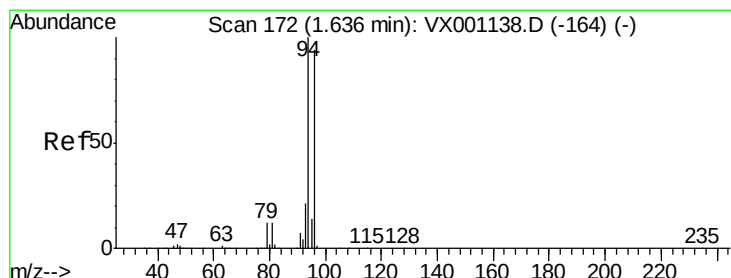
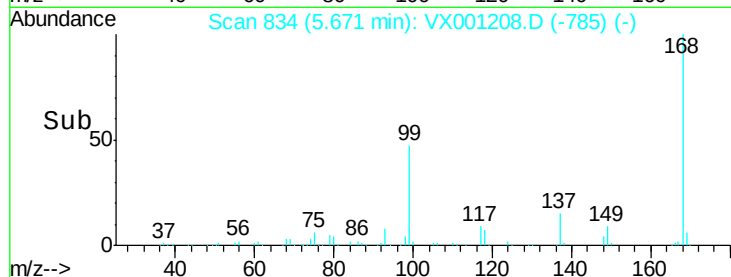
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001208.D

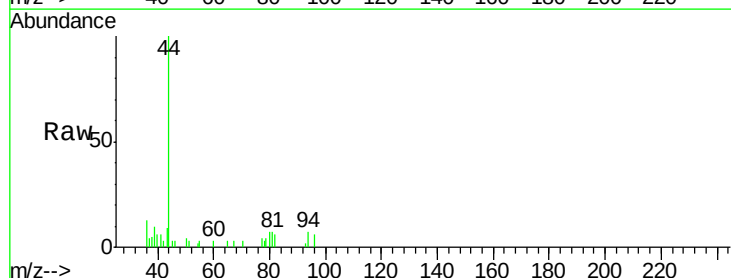
Acq: 28 Apr 2018 12:37

Tgt Ion: 94 Resp: 296

Ion Ratio Lower Upper

94 100

96 83.8 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX001138.D (-164) (-)

Ion 95.90 (95.60 to 96.60): VX001138.D (-164) (-)

1.65

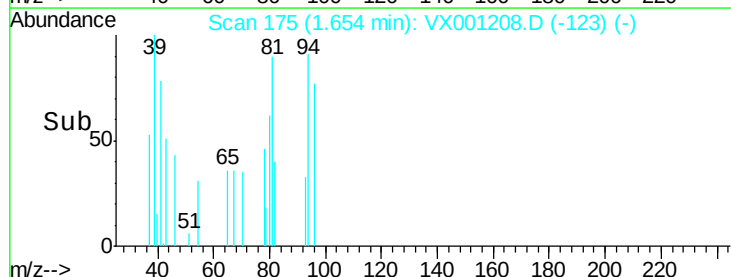
150

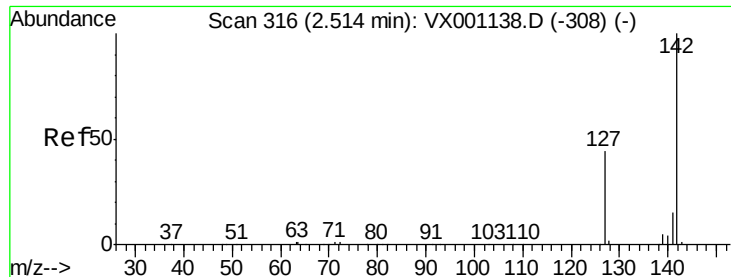
100

50

0

Time-->

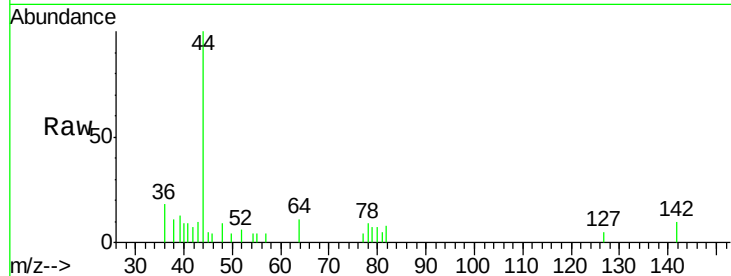




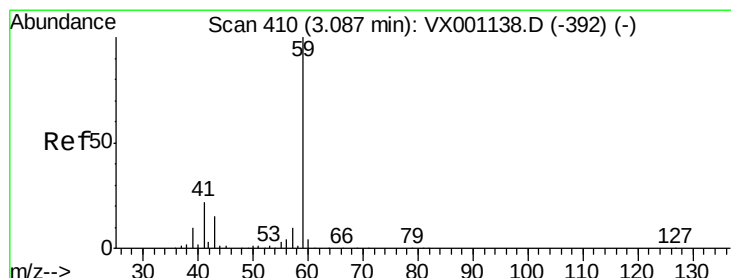
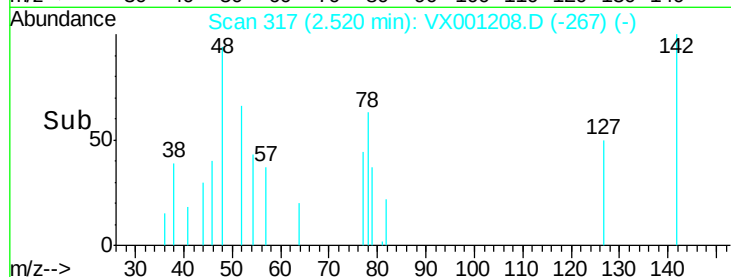
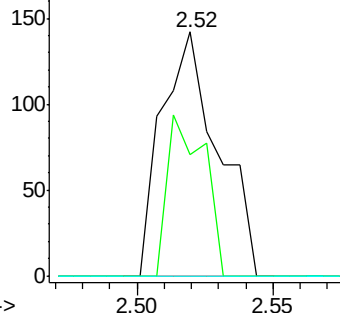
#10
Methyl Iodide
Concen: 7.32 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001208.D
Acq: 28 Apr 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBL01

Tgt Ion: 142 Resp: 204
Ion Ratio Lower Upper
142 100
127 43.1 34.7 52.1
141 0.0 11.6 17.4#

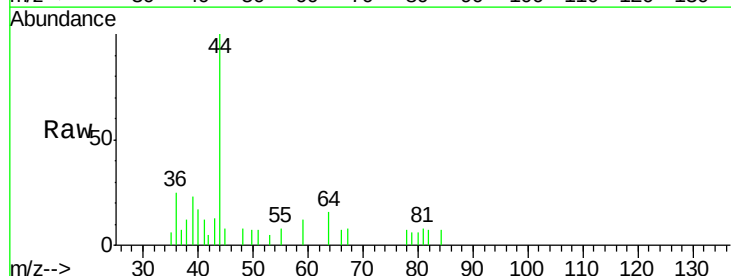


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

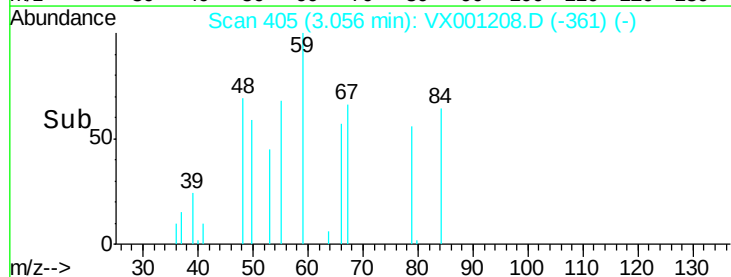
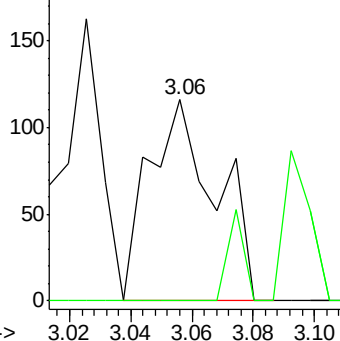


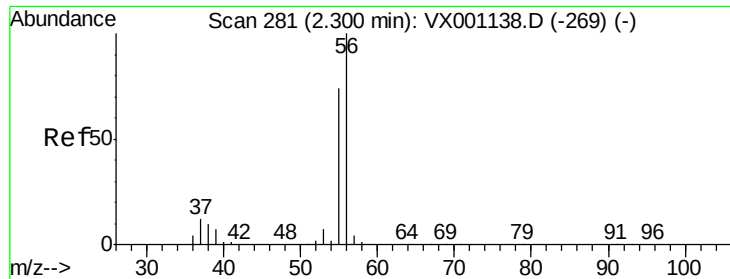
#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 3.06 min Scan# 405
Delta R.T. -0.03 min
Lab File: VX001208.D
Acq: 28 Apr 2018 12:37

Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 10.9 8.2 12.4



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





#13

Acrolein

Concen: 0.41 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampled :

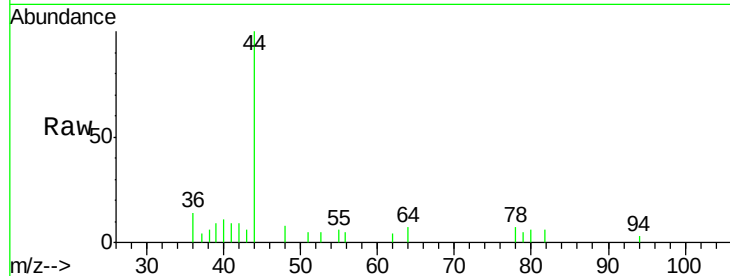
VX0428WBL01

Tgt Ion: 56 Resp: 93

Ion Ratio Lower Upper

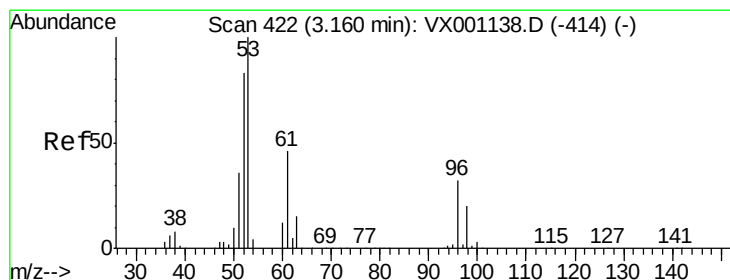
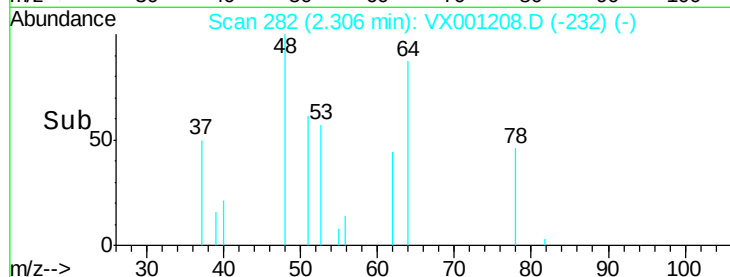
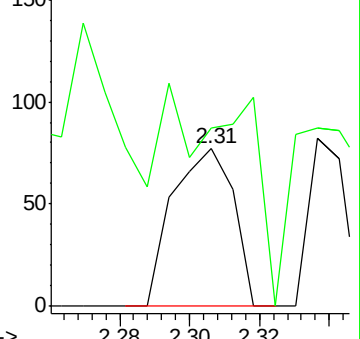
56 100

55 43.0 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

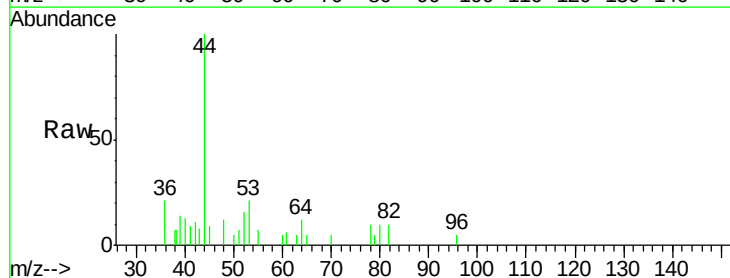
Tgt Ion: 53 Resp: 560

Ion Ratio Lower Upper

53 100

52 66.6 66.5 99.7

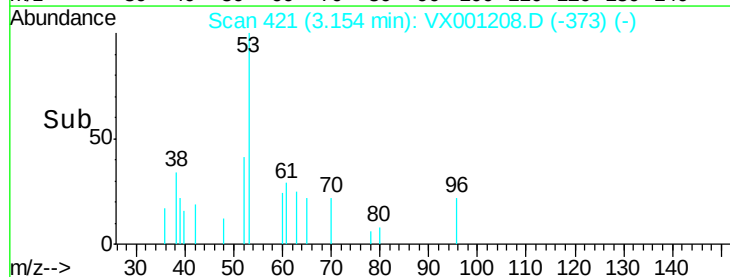
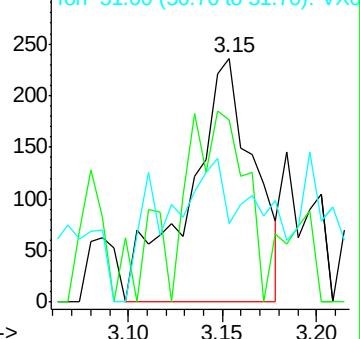
51 25.9 29.5 44.3#

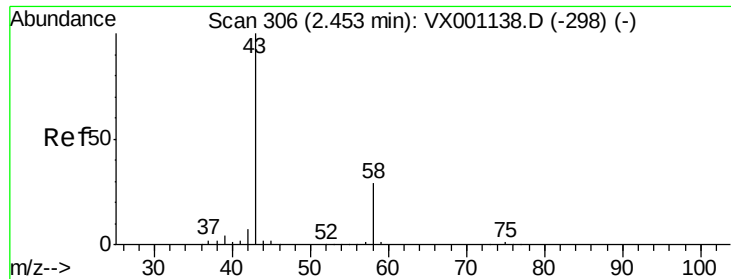


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.34 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampled :

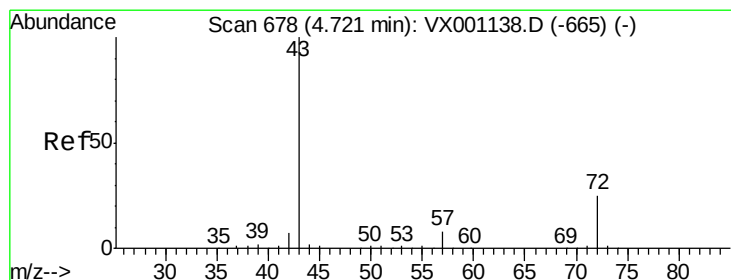
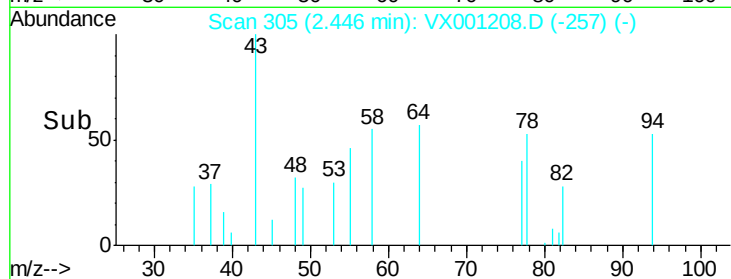
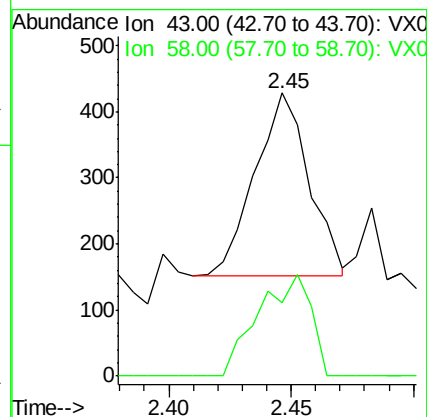
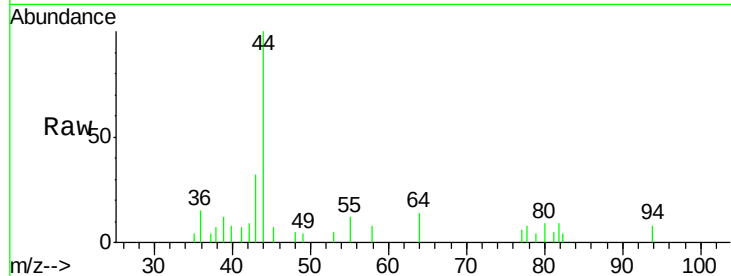
VX0428WBL01

Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

58 40.4 23.0 34.6#



#25

2-Butanone

Concen: 0.26 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001208.D

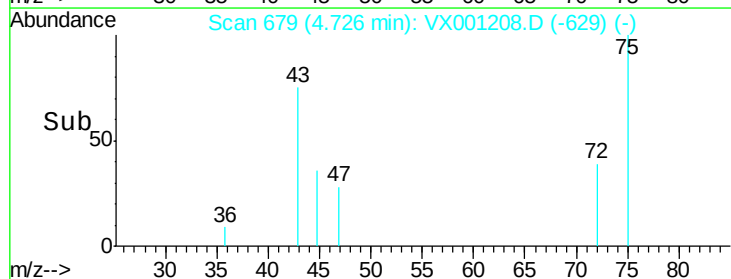
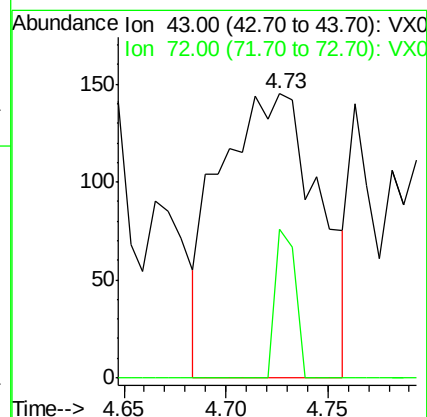
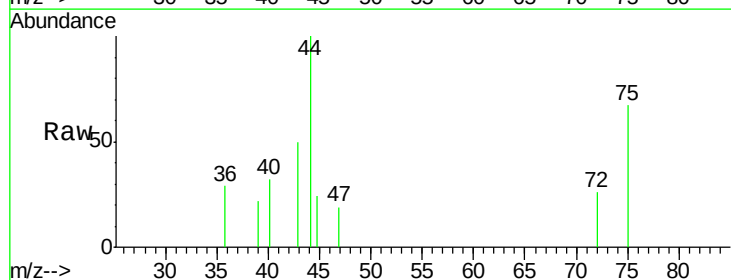
Acq: 28 Apr 2018 12:37

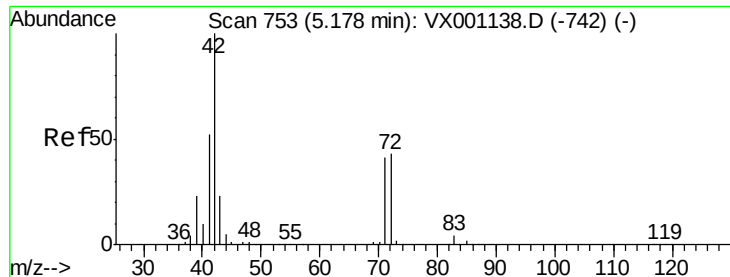
Tgt Ion: 43 Resp: 493

Ion Ratio Lower Upper

43 100

72 84.4 20.0 30.0#





#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampled :

VX0428WBL01

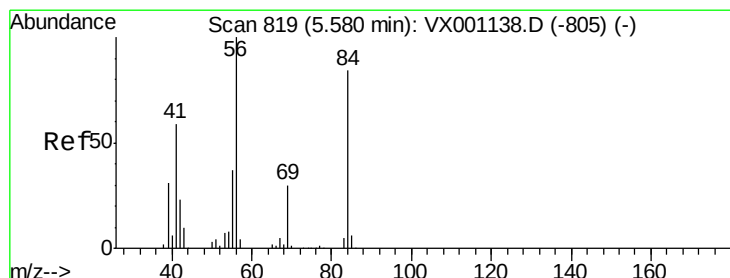
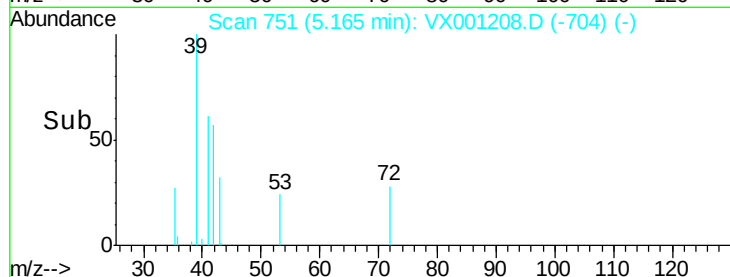
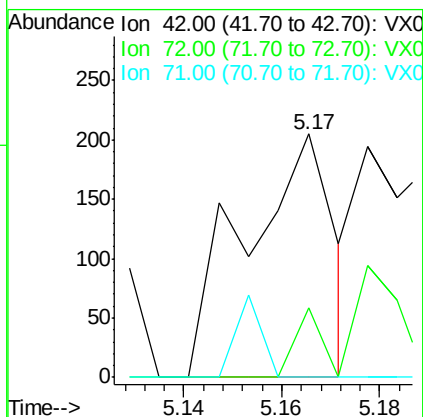
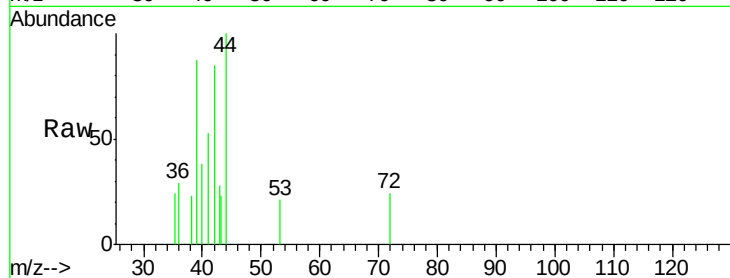
Tgt Ion: 42 Resp: 259

Ion Ratio Lower Upper

42 100

72 30.9 34.4 51.6#

71 0.0 32.1 48.1#



#31

Cyclohexane

Concen: 1.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

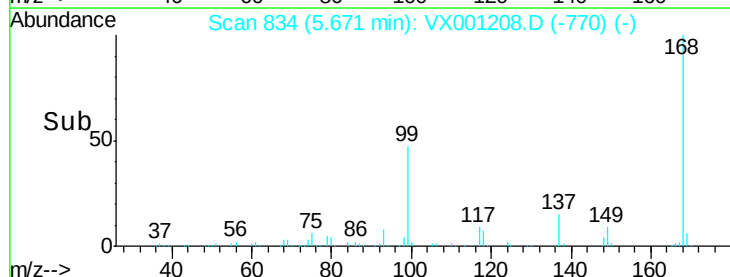
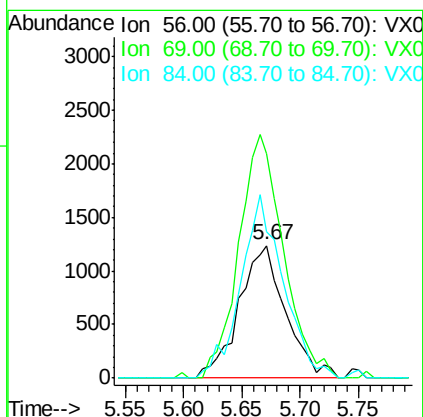
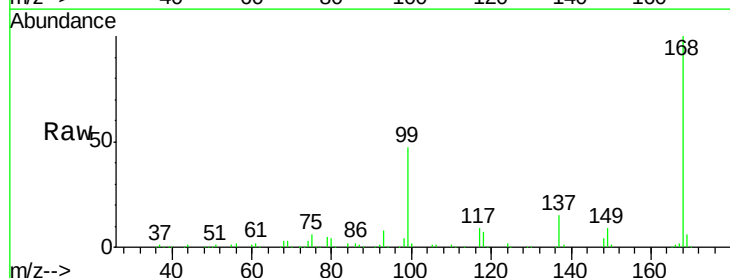
Tgt Ion: 56 Resp: 3455

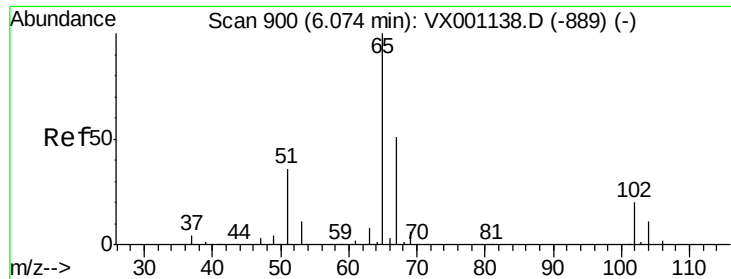
Ion Ratio Lower Upper

56 100

69 169.1 24.2 36.2#

84 110.9 67.5 101.3#

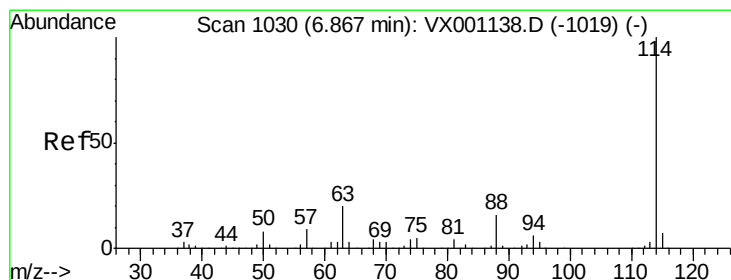
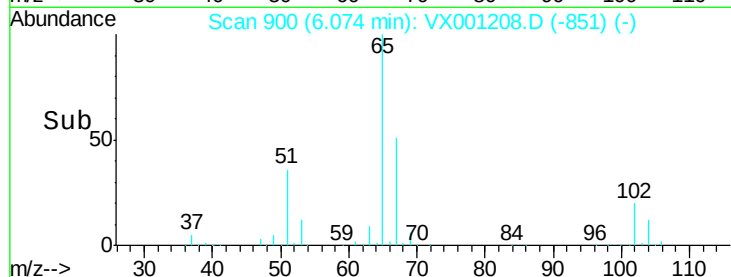
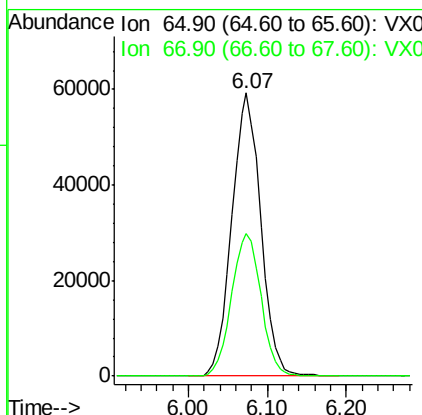
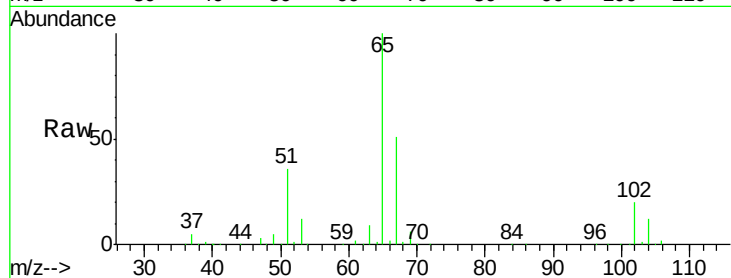




#33
 1,2-Dichloroethane-d4
 Concen: 49.89 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001208.D
 Acq: 28 Apr 2018 12:37

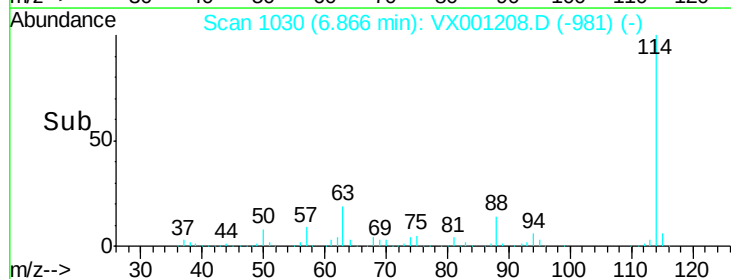
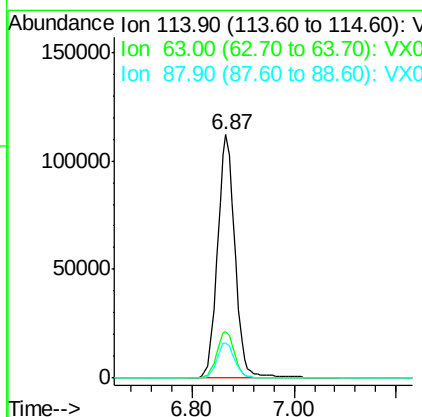
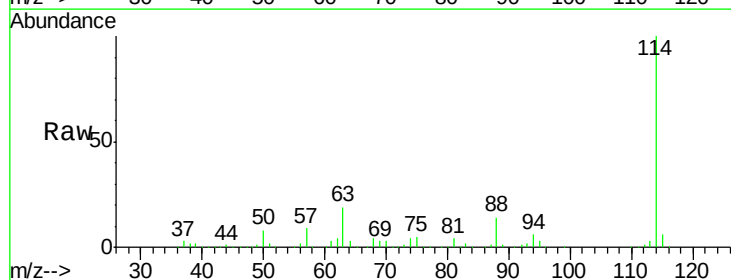
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBL01

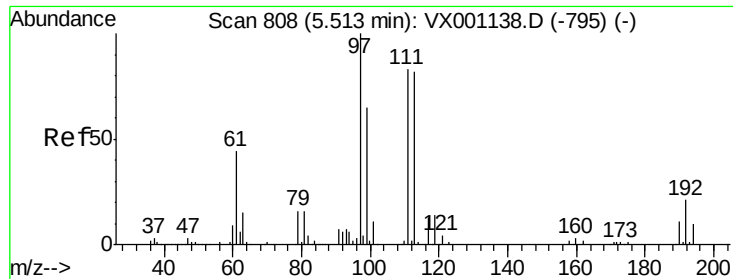
Tgt Ion: 65 Resp: 151151
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001208.D
 Acq: 28 Apr 2018 12:37

Tgt Ion: 114 Resp: 266717
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.4
 88 14.2 0.0 31.8

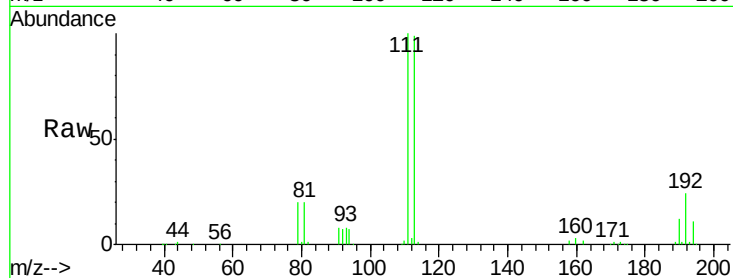




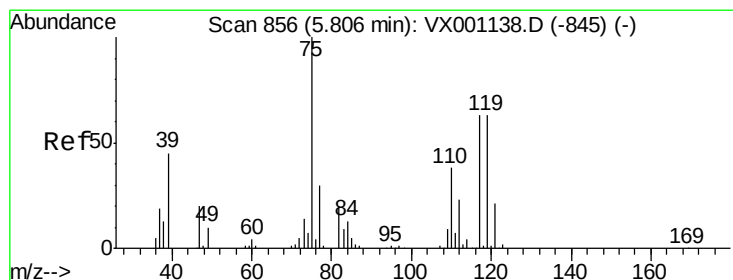
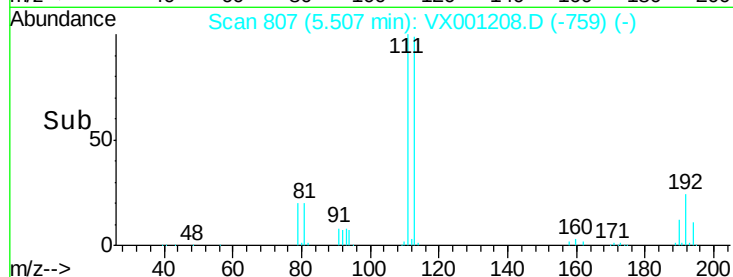
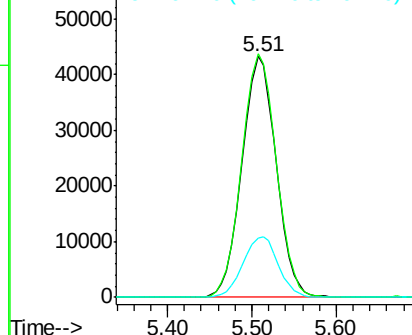
#35
 Dibromofluoromethane
 Concen: 53.90 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: VX001208.D
 Acq: 28 Apr 2018 12:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBL01

Tgt Ion:113 Resp: 119000
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.2 123.4
 192 25.7 20.6 30.8

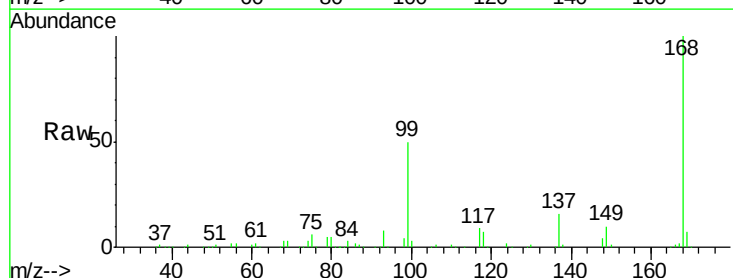


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

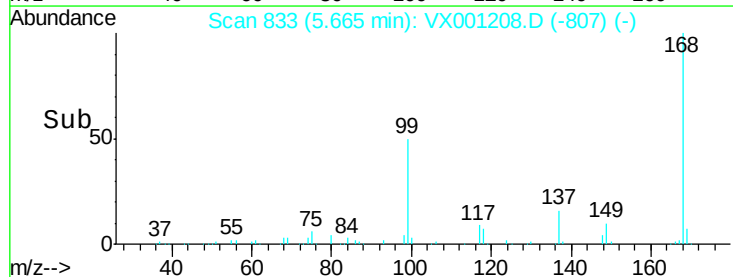
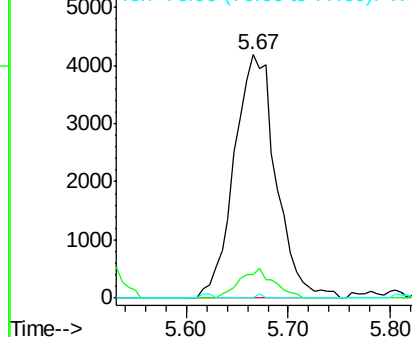


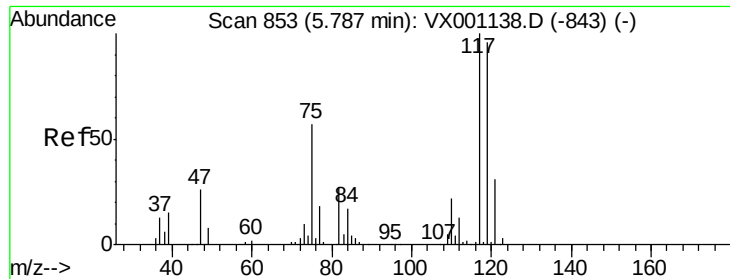
#36
 1,1-Dichloropropene
 Concen: 4.05 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX001208.D
 Acq: 28 Apr 2018 12:37

Tgt Ion: 75 Resp: 11909
 Ion Ratio Lower Upper
 75 100
 110 10.0 19.0 57.0#
 77 0.2 24.8 37.2#



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: 5.53 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBL01

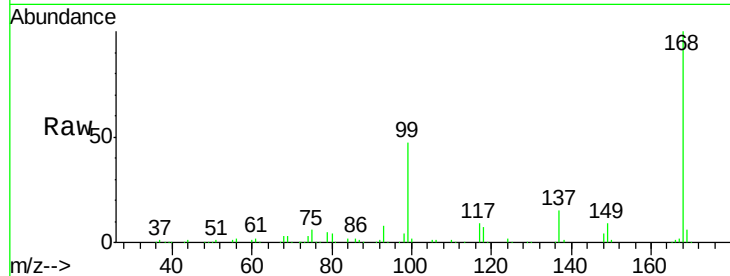
Tgt Ion:117 Resp: 16668

Ion Ratio Lower Upper

117 100

119 5.4 76.5 114.7#

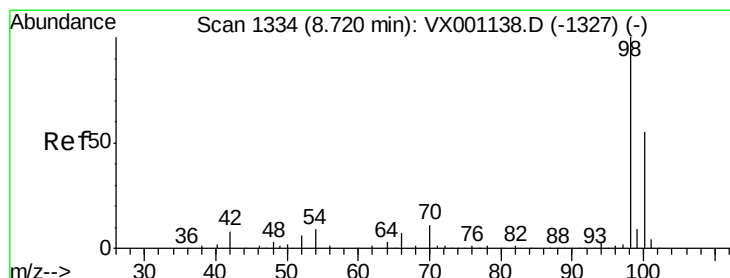
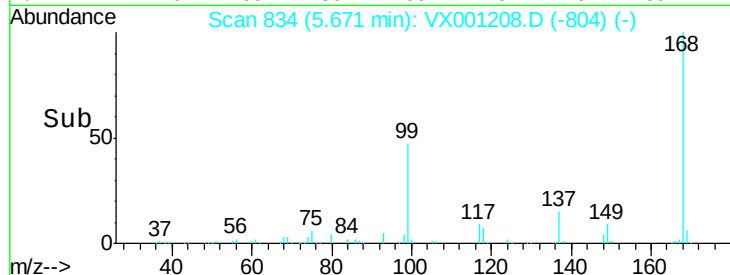
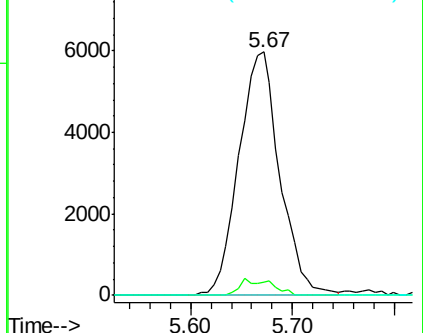
121 0.0 24.6 37.0#



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: 54.33 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001208.D

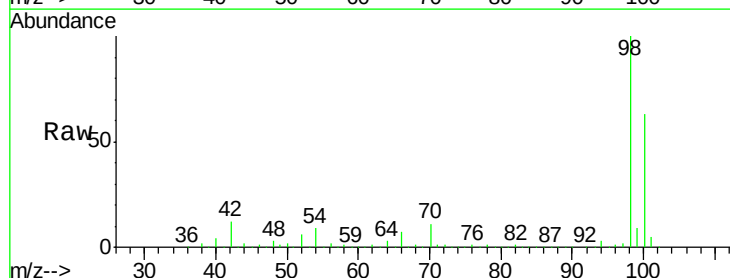
Acq: 28 Apr 2018 12:37

Tgt Ion: 98 Resp: 452645

Ion Ratio Lower Upper

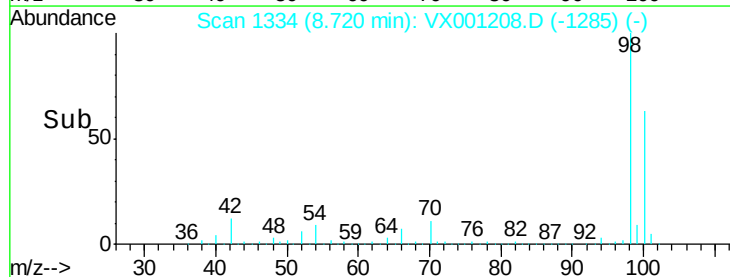
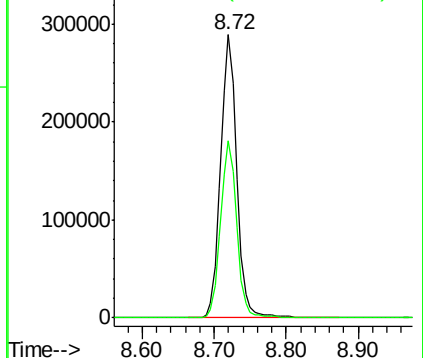
98 100

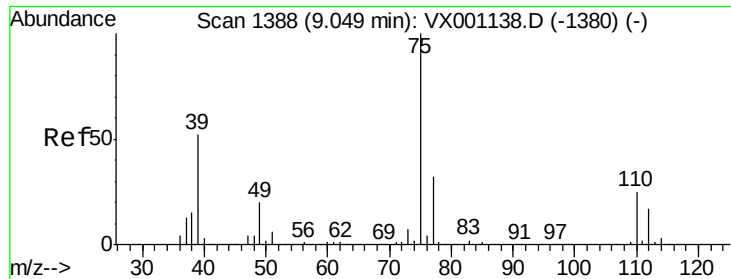
100 62.9 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

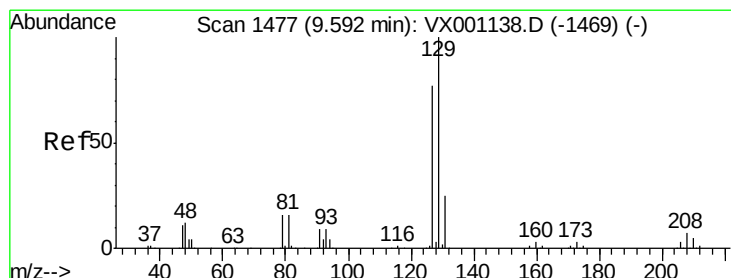
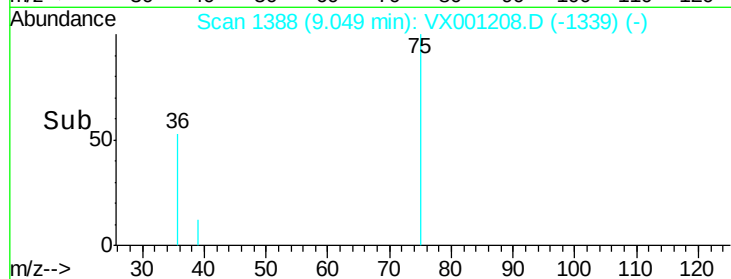
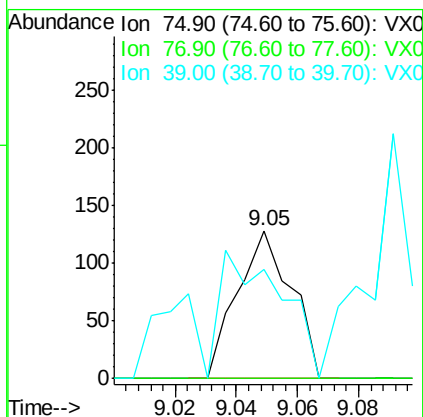
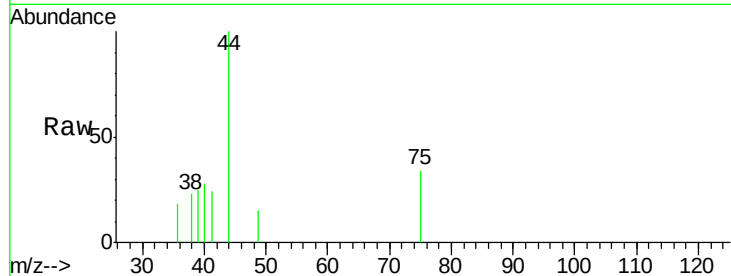




#54
 cis-1,3-Dichloropropene
 Concen: 3.23 ug/l
 RT: 9.05 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VX001208.D
 Acq: 28 Apr 2018 12:37

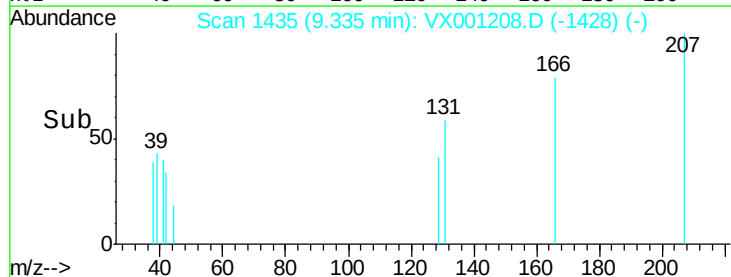
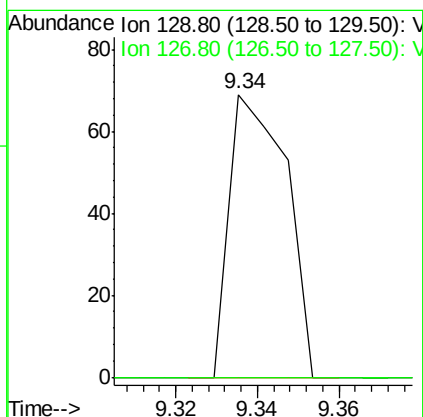
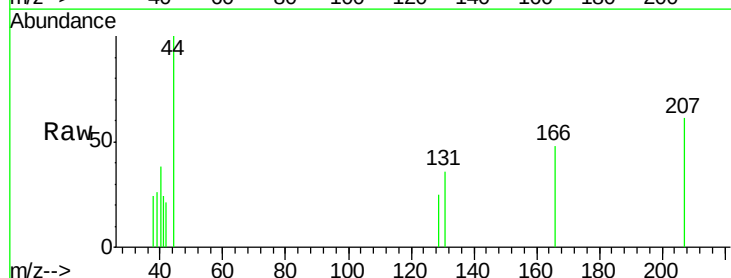
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBL01

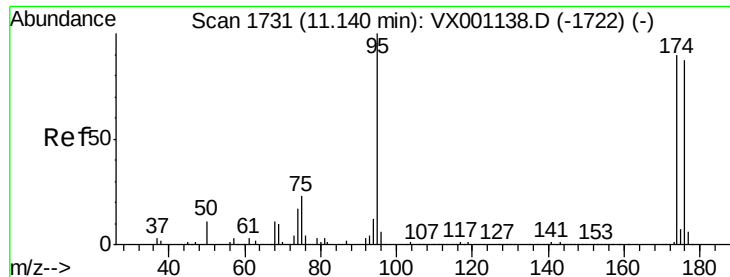
Tgt Ion: 75 Resp: 155
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#
 39 25.0 42.0 63.0#



#60
 Dibromochloromethane
 Concen: 3.37 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.26 min
 Lab File: VX001208.D
 Acq: 28 Apr 2018 12:37

Tgt Ion: 129 Resp: 67
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.2#

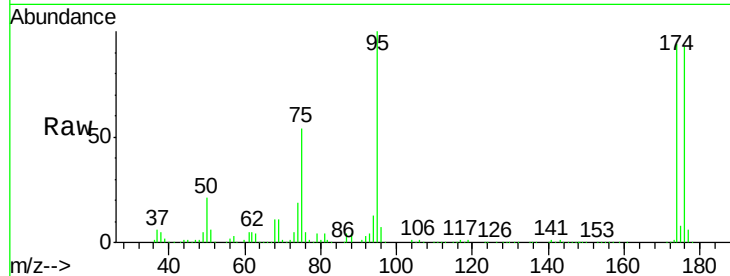




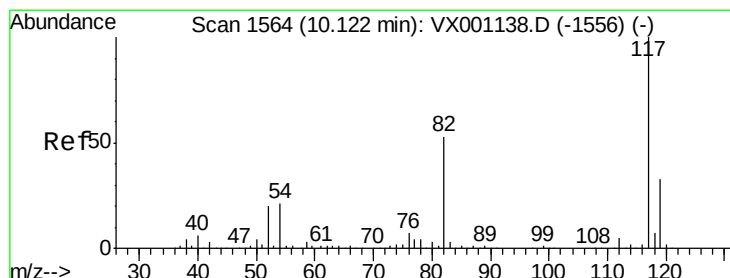
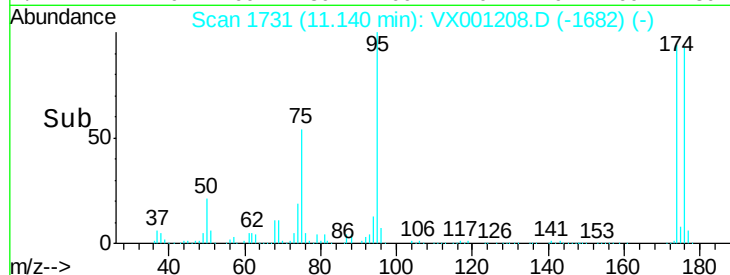
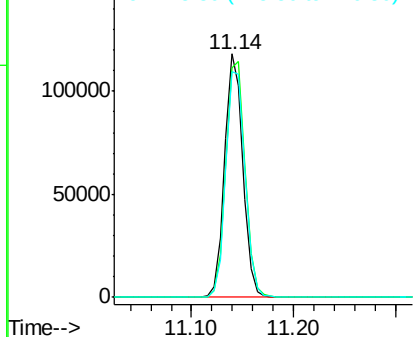
#62
4-Bromofluorobenzene
Concen: 44.97 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001208.D
Acq: 28 Apr 2018 12:37

Instrument :
MSVOA_X
ClientSampleId :
VX0428WBL01

Tgt Ion: 95 Resp: 146374
Ion Ratio Lower Upper
95 100
174 102.0 0.0 194.4
176 98.3 0.0 190.2

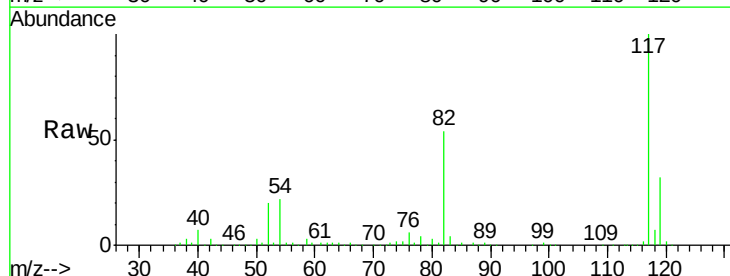


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

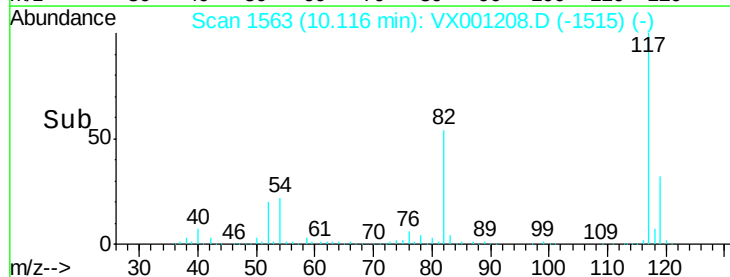
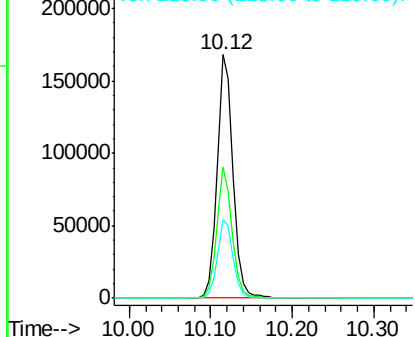


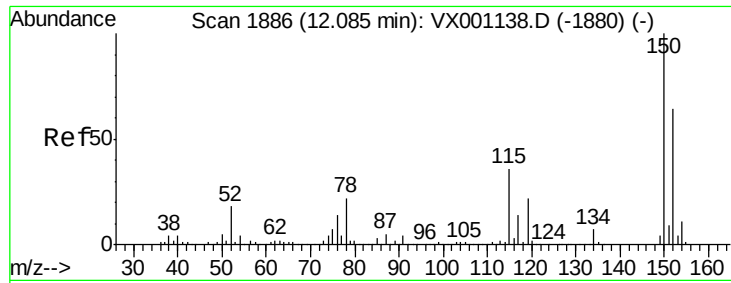
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001208.D
Acq: 28 Apr 2018 12:37

Tgt Ion: 117 Resp: 231247
Ion Ratio Lower Upper
117 100
82 53.9 42.1 63.1
119 32.2 26.1 39.1



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBL01

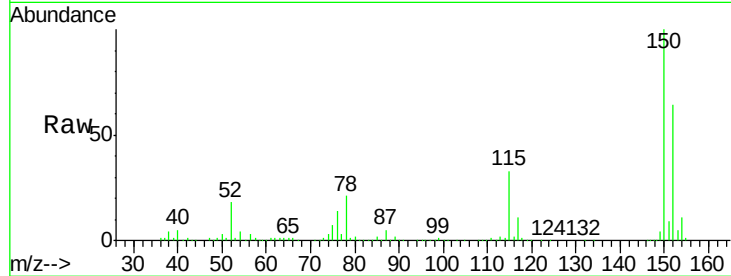
Tgt Ion:152 Resp: 124168

Ion Ratio Lower Upper

152 100

115 52.3 38.0 114.0

150 155.3 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

200000

150000

100000

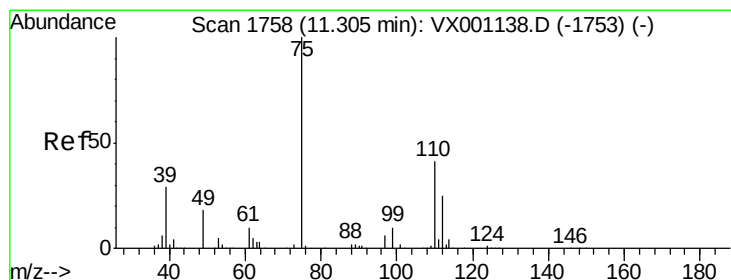
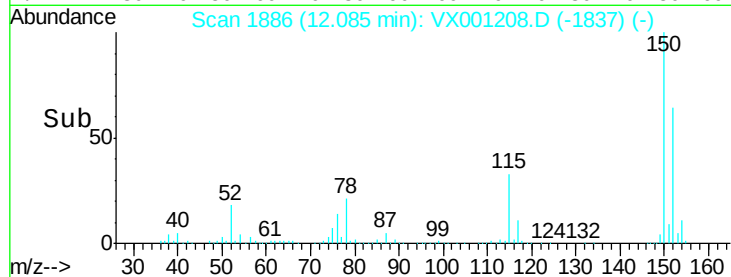
50000

0

12.00 12.10 12.20

12.08

Time-->



#76

1,2,3-Trichloropropane

Concen: 30.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001208.D

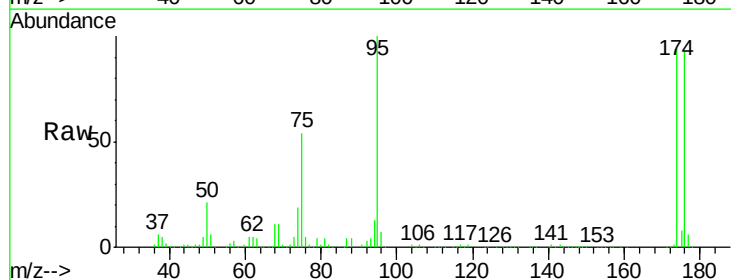
Acq: 28 Apr 2018 12:37

Tgt Ion: 75 Resp: 76427

Ion Ratio Lower Upper

75 100

77 1.3 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

40000

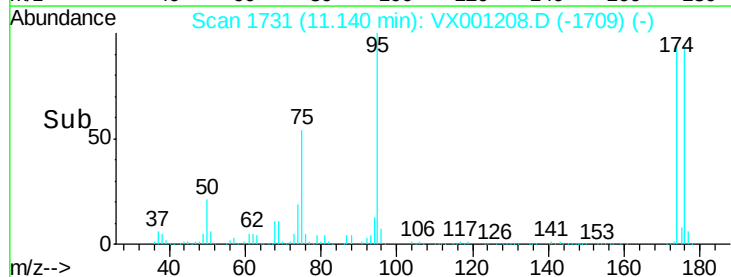
20000

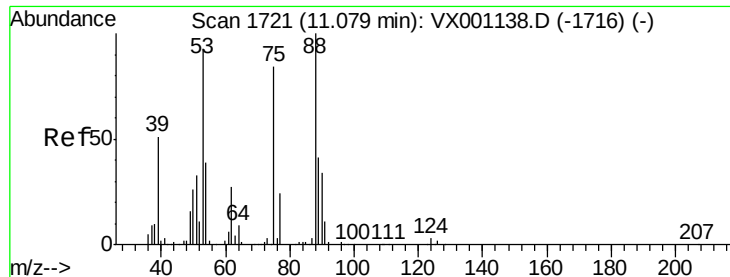
0

11.10 11.20

11.14

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 91.35 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBL01

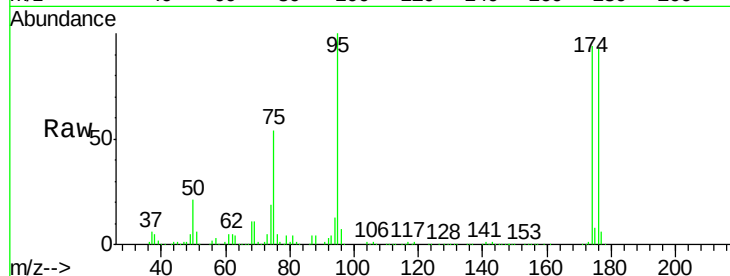
Tgt Ion: 75 Resp: 76427

Ion Ratio Lower Upper

75 100

53 0.0 87.9 131.9#

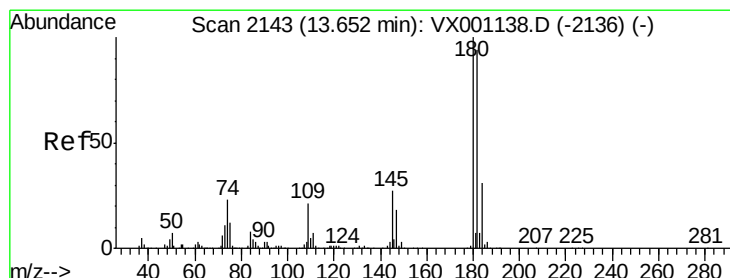
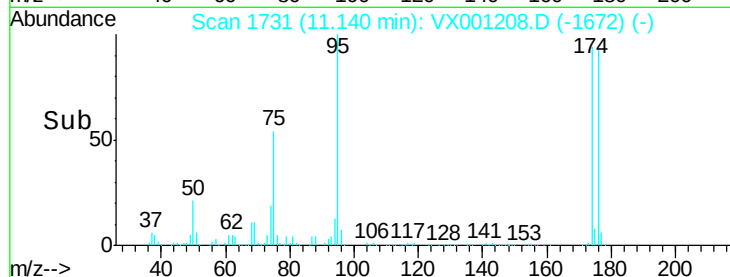
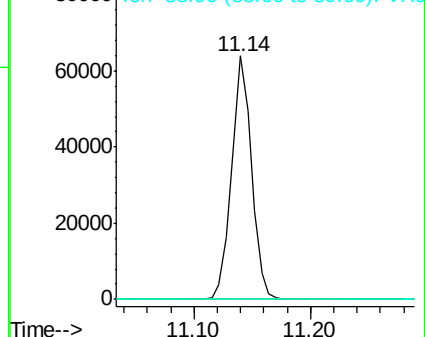
89 0.0 37.7 56.5#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.20 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

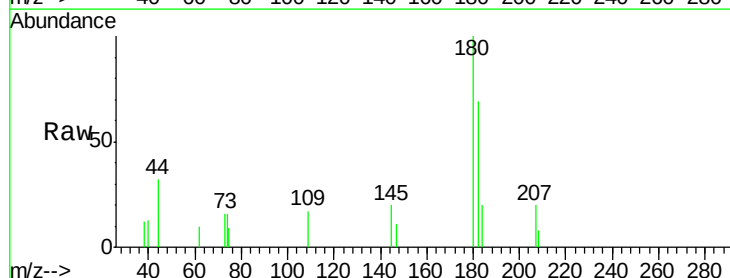
Tgt Ion: 180 Resp: 692

Ion Ratio Lower Upper

180 100

182 83.8 47.9 143.6

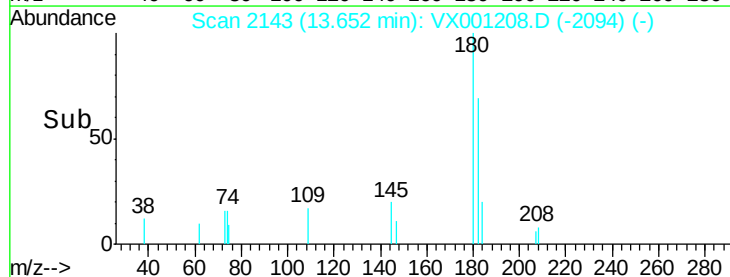
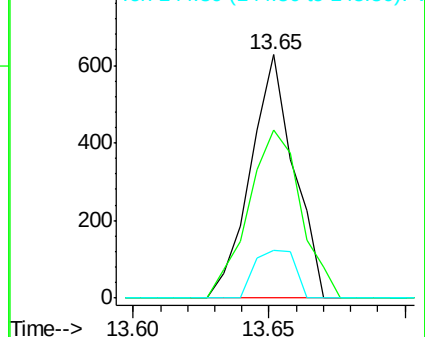
145 18.4 13.8 41.4

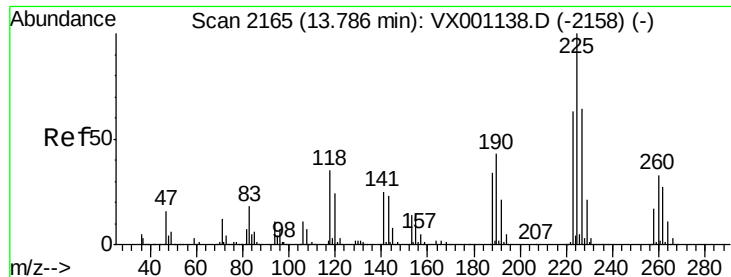


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.41 ug/l

RT: 13.79 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VX001208.D

Acq: 28 Apr 2018 12:37

Instrument :

MSVOA_X

ClientSampleId :

VX0428WBL01

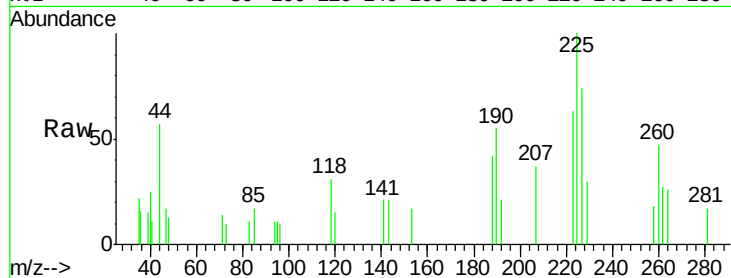
Tgt Ion: 225 Resp: 658

Ion Ratio Lower Upper

225 100

223 62.3 31.3 93.9

227 84.7 32.2 96.6



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

