

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX040818\
 Data File : VX000722.D
 Acq On : 08 Apr 2018 11:09
 Operator : JC/MD
 Sample : VX0408WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0408WBL01

Quant Time: Apr 09 06:38:01 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X040718W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 07 17:01:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	321346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	444324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	407033	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	233395	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	160859	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
35) Dibromofluoromethane	5.51	113	136661	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
50) Toluene-d8	8.72	98	507719	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
62) 4-Bromofluorobenzene	11.14	95	204639	45.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.54%	

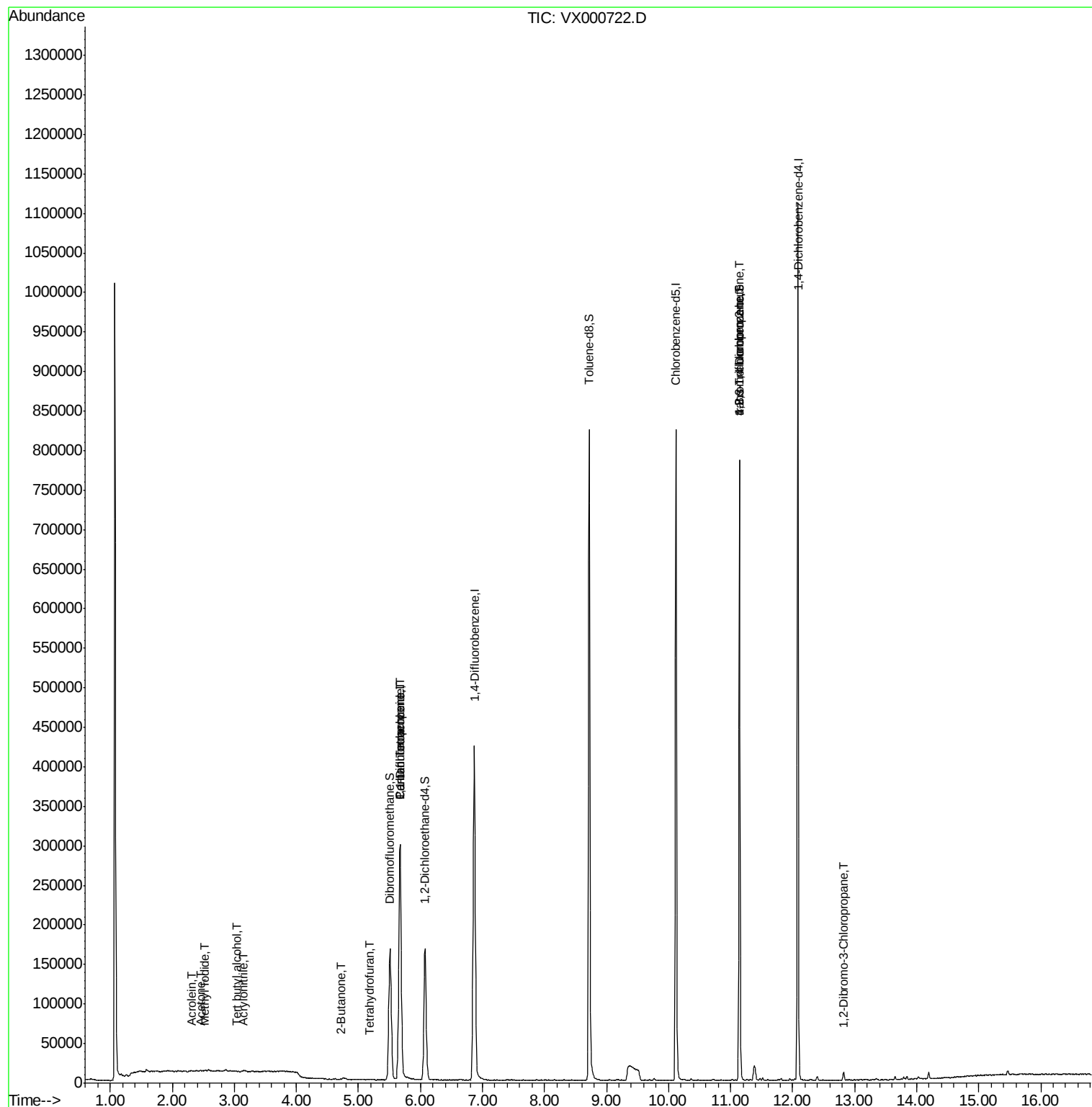
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	438	Below Cal	#	16
5) Bromomethane	1.66	94	522	Below Cal		89
8) Diethyl Ether	2.14	74	55	Below Cal		85
10) Methyl Iodide	2.52	142	801	5.62	ug/l #	86
11) Tert butyl alcohol	3.04	59	247	0.39	ug/l #	1
13) Acrolein	2.31	56	332	1.21	ug/l #	14
15) Acrylonitrile	3.15	53	660	0.50	ug/l #	68
16) Acetone	2.45	43	704	0.61	ug/l #	86
17) Carbon Disulfide	2.58	76	1457	Below Cal		99
20) Methylene Chloride	2.86	84	1017	Below Cal	#	75
25) 2-Butanone	4.71	43	765	0.38	ug/l #	52
28) Bromochloromethane	5.03	49	24	Below Cal	#	9
29) Tetrahydrofuran	5.17	42	554	0.43	ug/l #	64
31) Cyclohexane	5.36	56	224	Below Cal		94
36) 1,1-Dichloropropene	5.67	75	19530	5.13	ug/l #	50
38) Carbon Tetrachloride	5.67	117	27626	6.20	ug/l #	16
39) Methylcyclohexane	7.46	83	280	Below Cal	#	41
76) 1,2,3-Trichloropropane	11.14	75	100843	25.39	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.14	75	100843	66.12	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.82	75	219	0.20	ug/l #	1

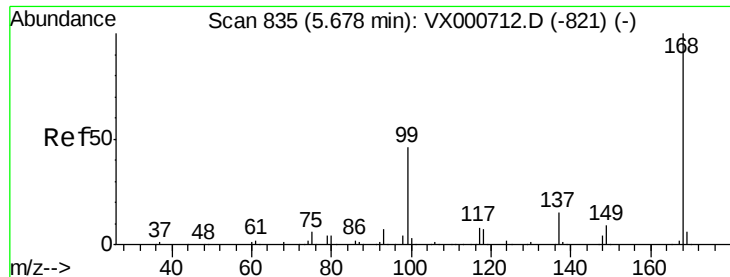
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

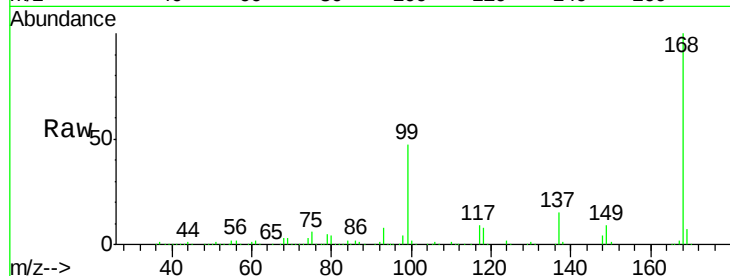
VX0408WBL01

Tgt Ion:168 Resp: 321346

Ion Ratio Lower Upper

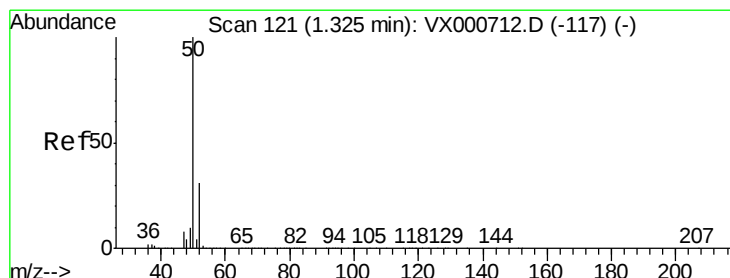
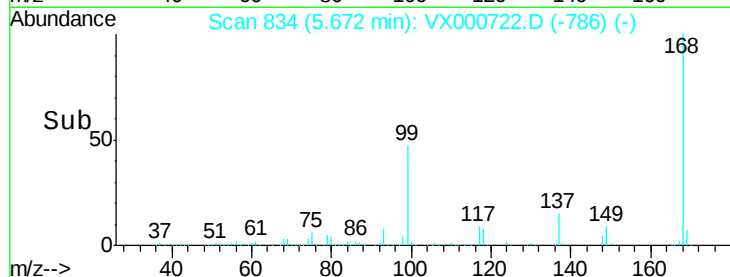
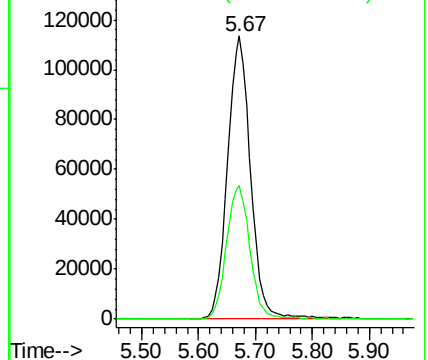
168 100

99 47.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX000722.D

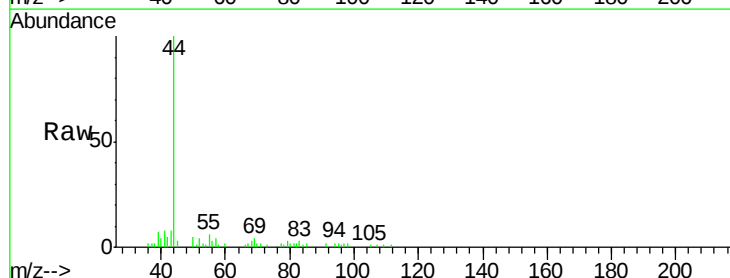
Acq: 08 Apr 2018 11:09

Tgt Ion: 50 Resp: 438

Ion Ratio Lower Upper

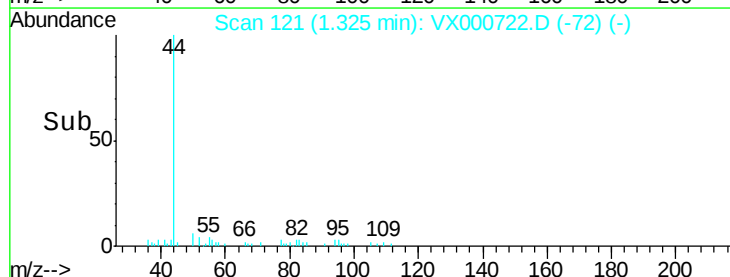
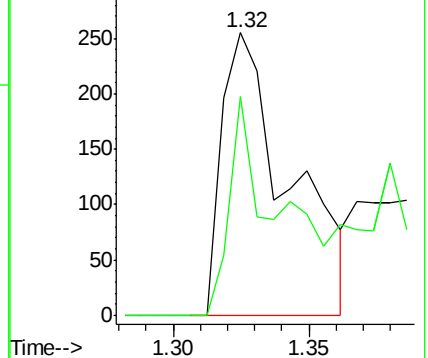
50 100

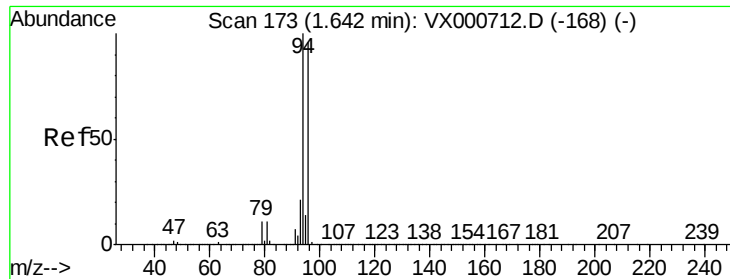
52 77.3 24.9 37.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

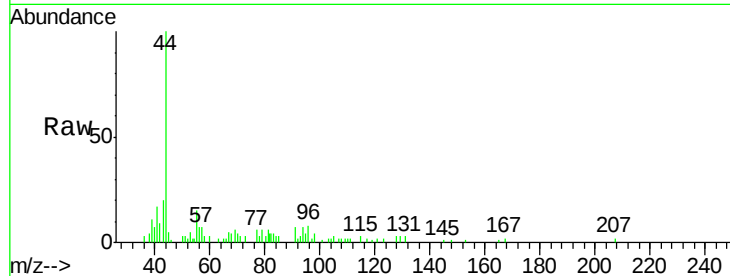
VX0408WBL01

Tgt Ion: 94 Resp: 522

Ion Ratio Lower Upper

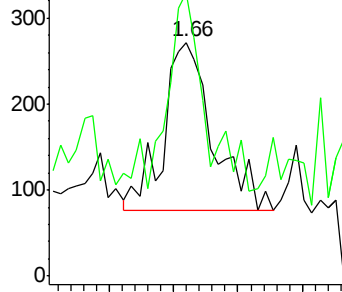
94 100

96 106.6 76.5 114.7

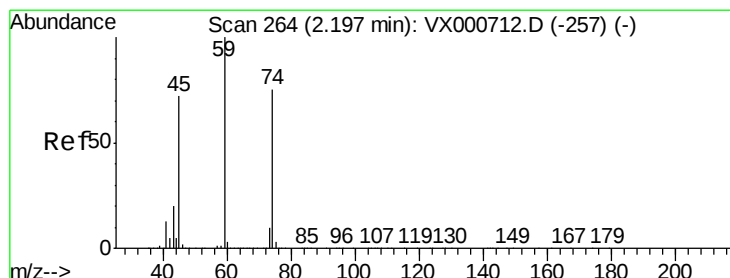
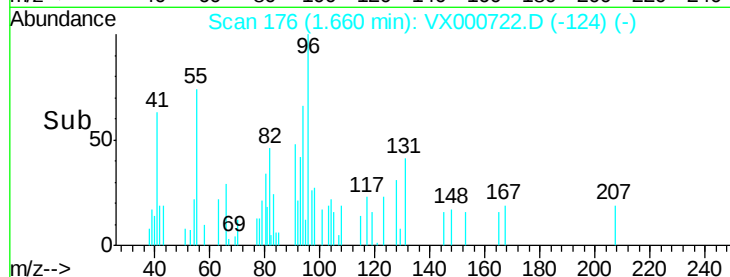


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.14 min Scan# 254

Delta R.T. -0.06 min

Lab File: VX000722.D

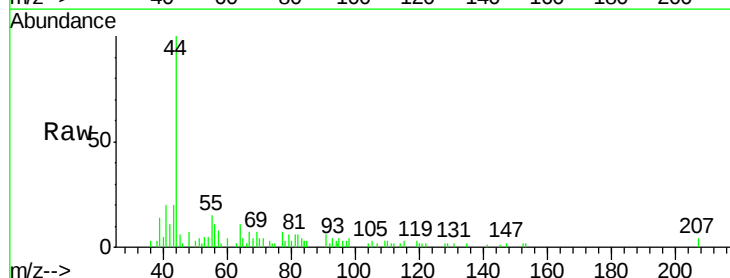
Acq: 08 Apr 2018 11:09

Tgt Ion: 74 Resp: 55

Ion Ratio Lower Upper

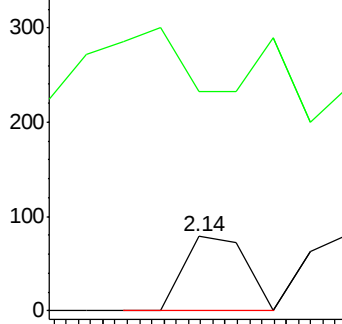
74 100

45 81.8 48.4 145.3

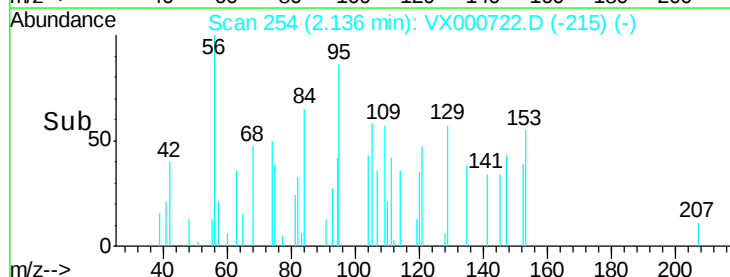


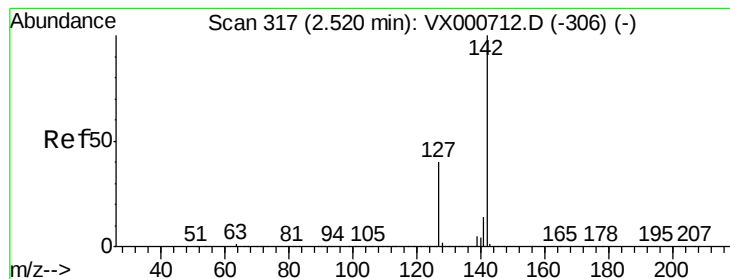
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->





#10

Methyl Iodide

Concen: 5.62 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.00 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

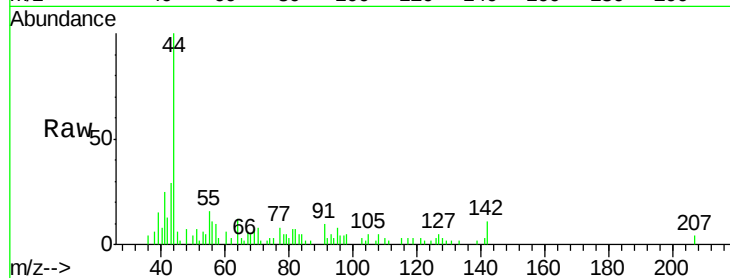
Tgt Ion: 142 Resp: 801

Ion Ratio Lower Upper

142 100

127 52.8 33.9 50.9#

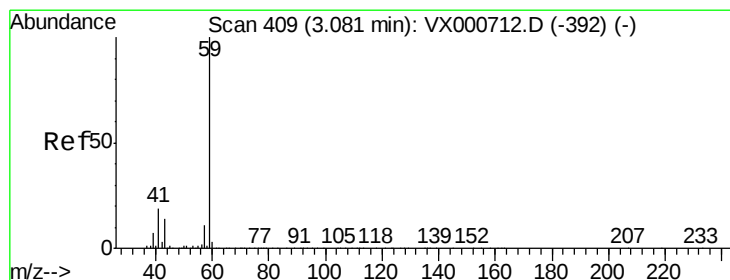
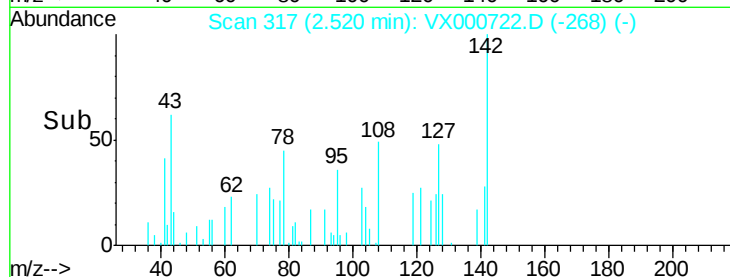
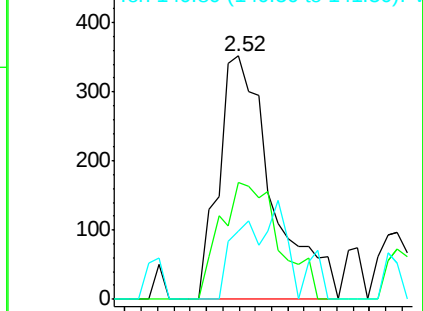
141 17.1 11.4 17.0#



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: 0.39 ug/l

RT: 3.04 min Scan# 403

Delta R.T. -0.04 min

Lab File: VX000722.D

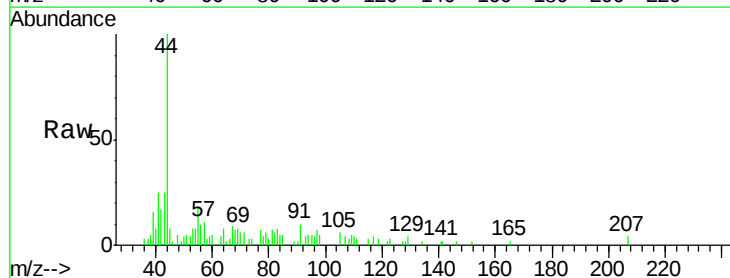
Acq: 08 Apr 2018 11:09

Tgt Ion: 59 Resp: 247

Ion Ratio Lower Upper

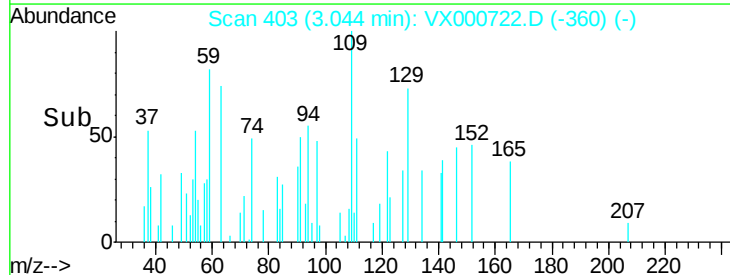
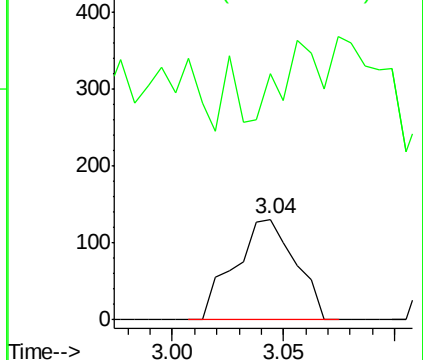
59 100

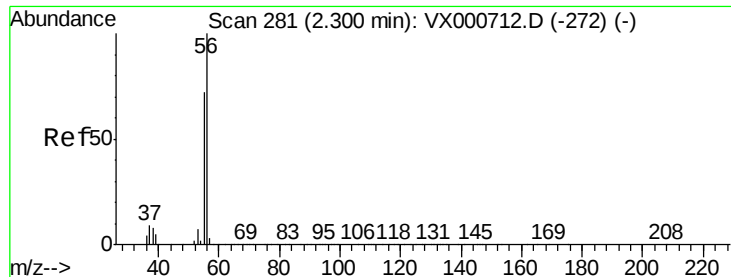
57 55.5 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.21 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampled :

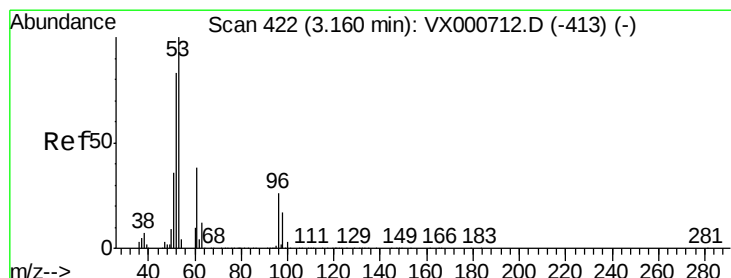
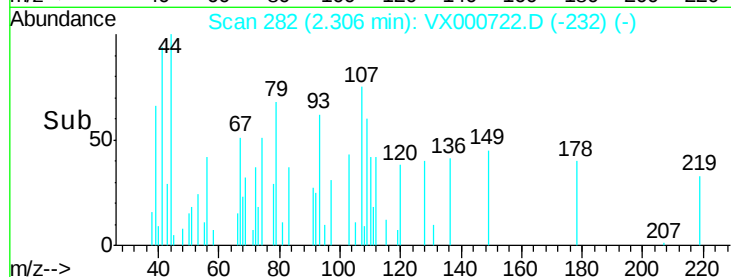
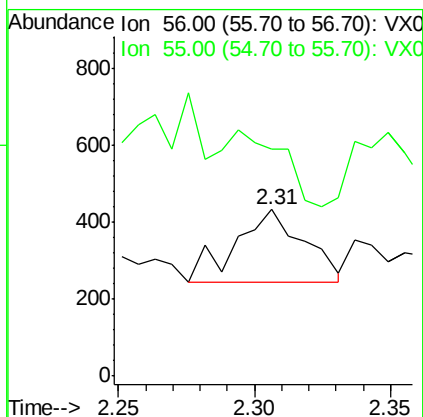
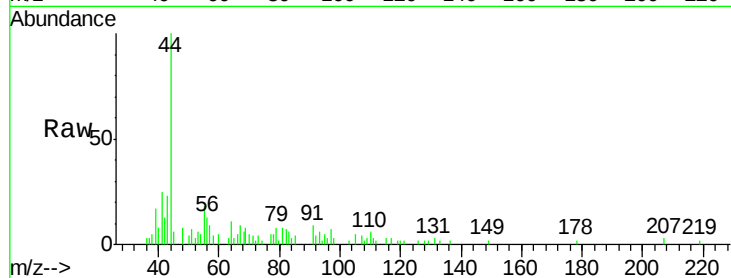
VX0408WBL01

Tgt Ion: 56 Resp: 332

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.2#



#15

Acrylonitrile

Concen: 0.50 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

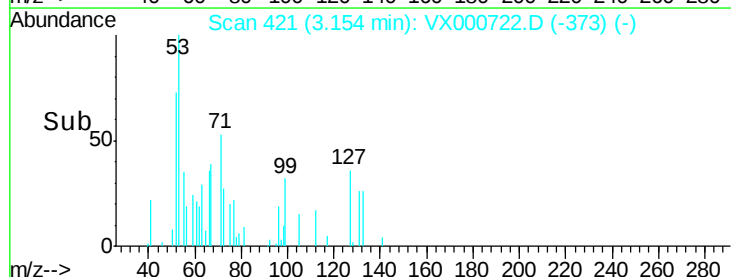
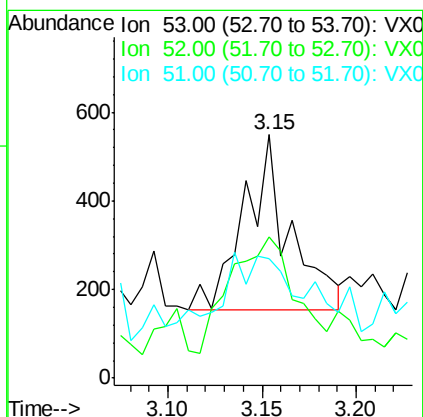
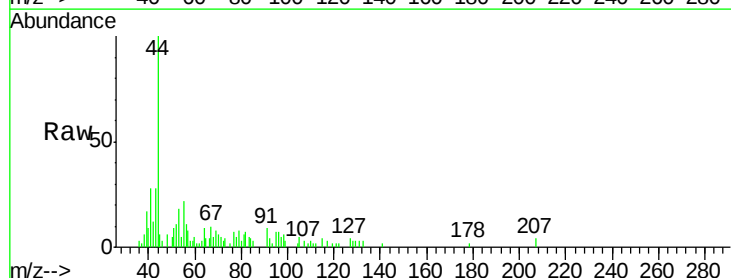
Tgt Ion: 53 Resp: 660

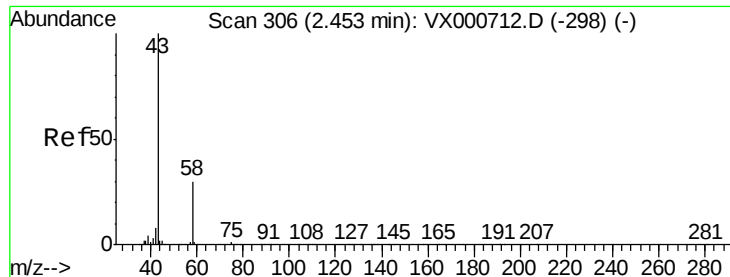
Ion Ratio Lower Upper

53 100

52 94.5 66.1 99.1

51 79.5 29.1 43.7#





#16

Acetone

Concen: 0.61 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampled :

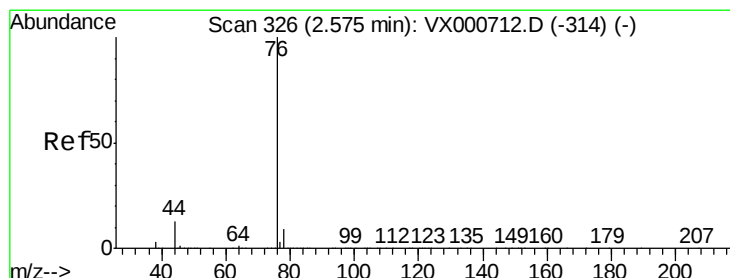
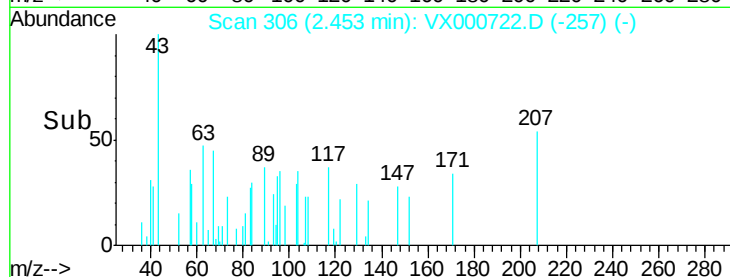
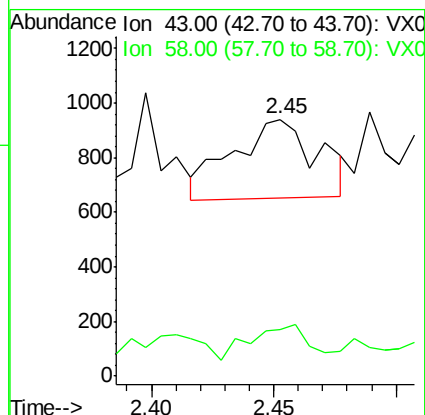
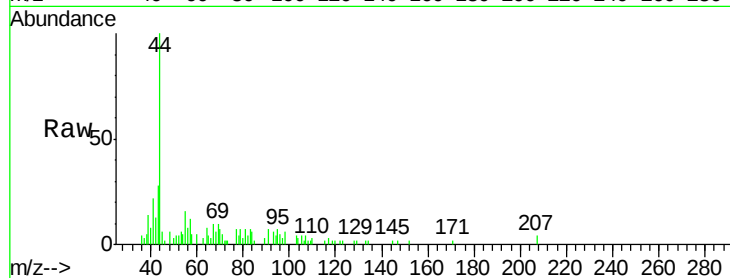
VX0408WBL01

Tgt Ion: 43 Resp: 704

Ion Ratio Lower Upper

43 100

58 37.7 24.0 36.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000722.D

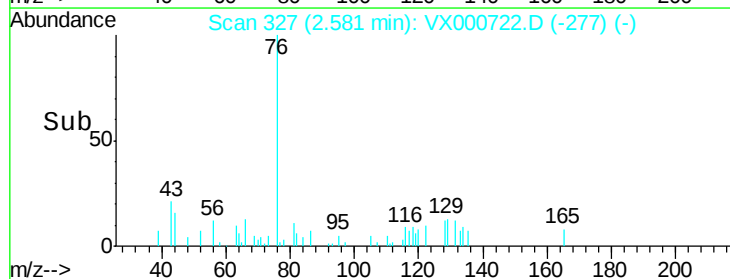
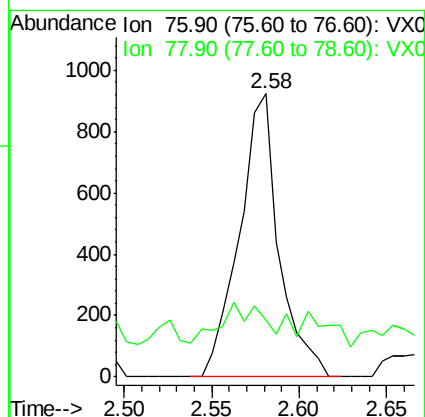
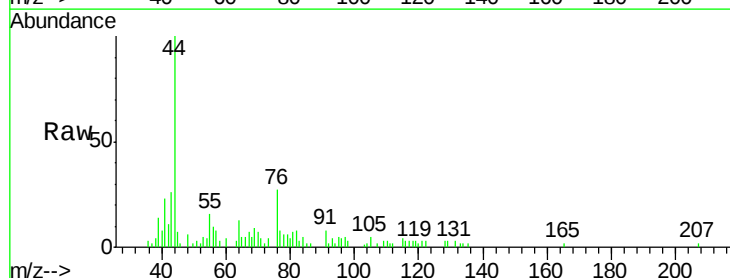
Acq: 08 Apr 2018 11:09

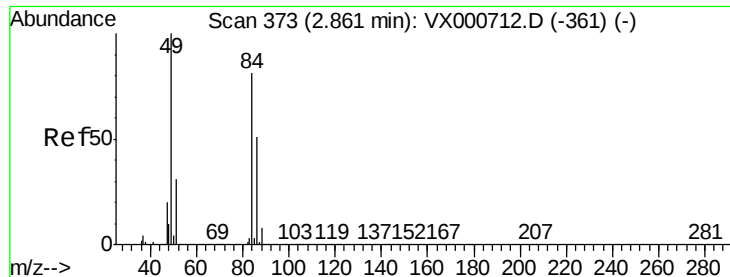
Tgt Ion: 76 Resp: 1457

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

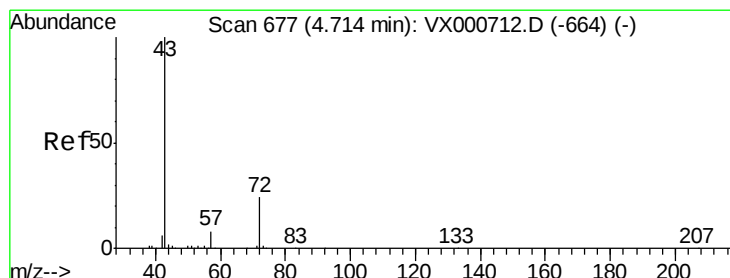
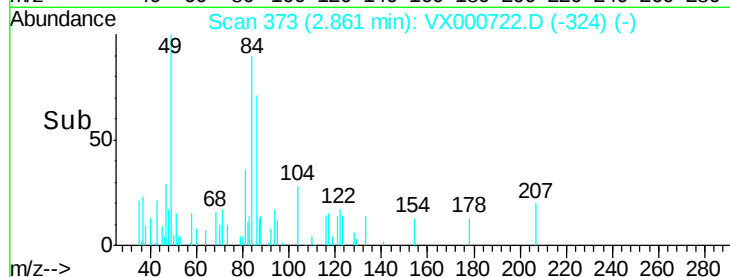
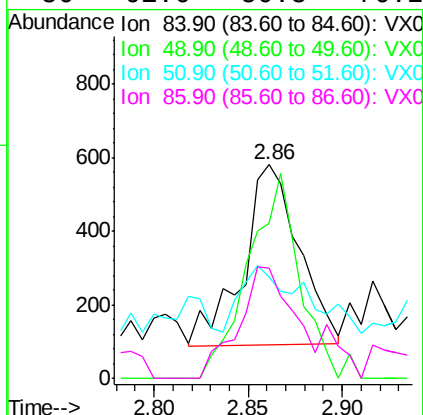
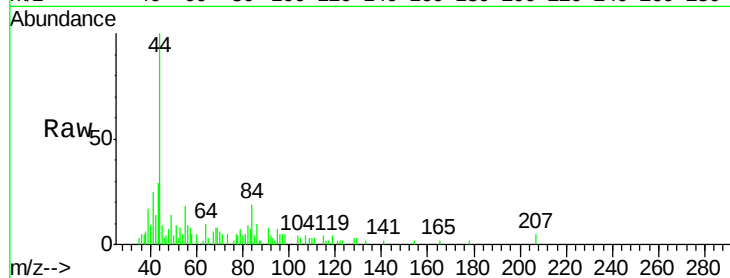




#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX000722.D
Acq: 08 Apr 2018 11:09

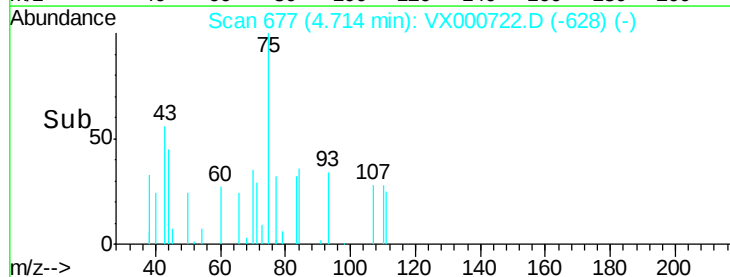
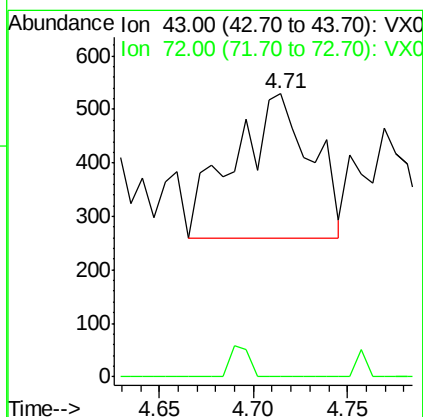
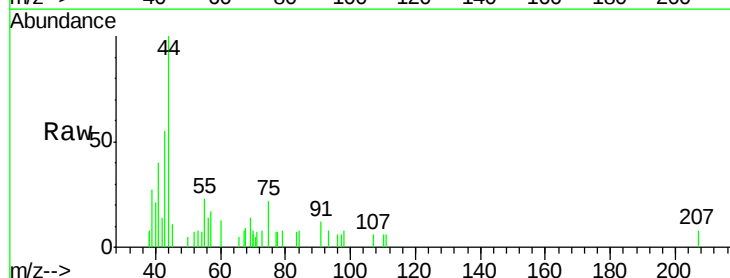
Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

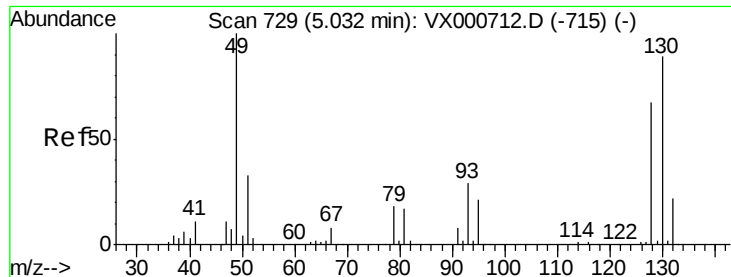
Tgt Ion:	84	Resp:	1017
Ion	Ratio	Lower	Upper
84	100		
49	86.8	98.6	148.0#
51	14.6	30.8	46.2#
86	61.6	50.8	76.2



#25
2-Butanone
Concen: 0.38 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.00 min
Lab File: VX000722.D
Acq: 08 Apr 2018 11:09

Tgt Ion:	43	Resp:	765
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

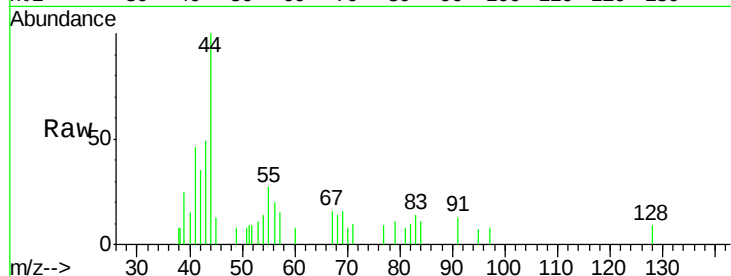
Tgt Ion: 49 Resp: 24

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

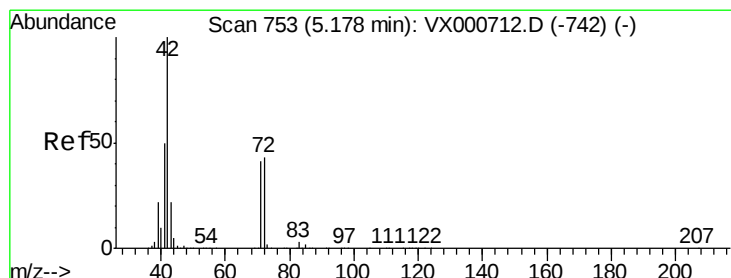
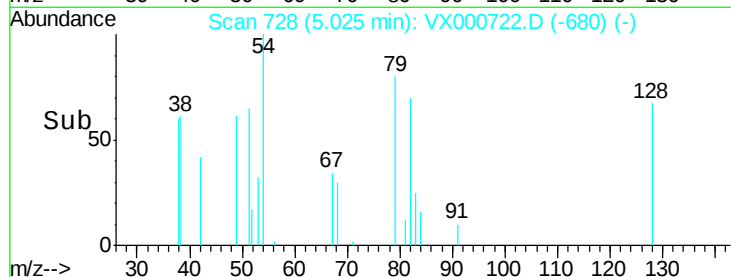
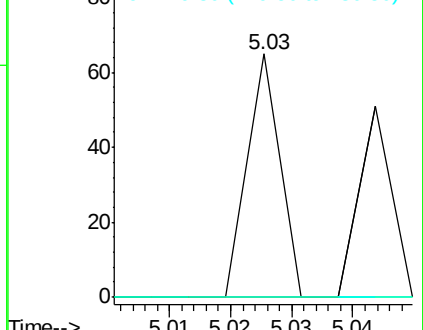
130 0.0 69.0 103.4#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

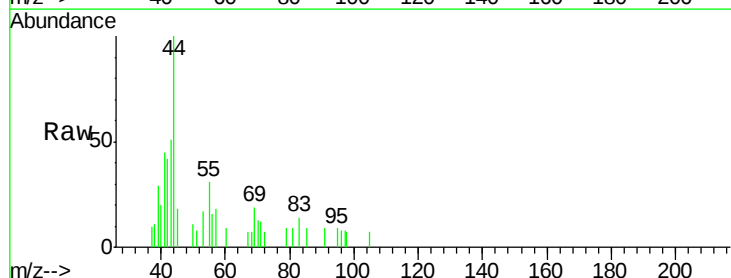
Tgt Ion: 42 Resp: 554

Ion Ratio Lower Upper

42 100

72 36.5 34.4 51.6

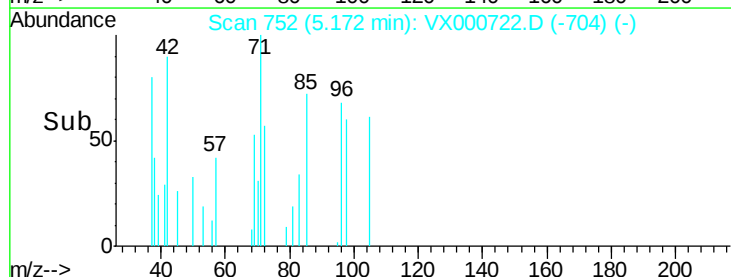
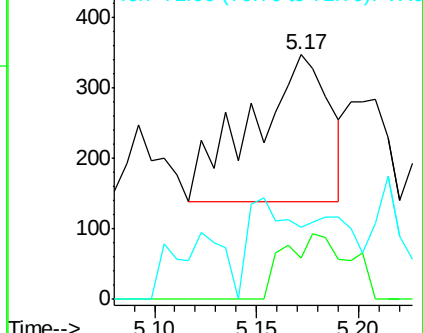
71 0.0 32.0 48.0#

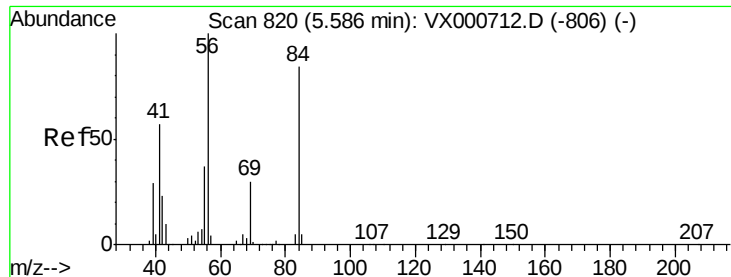


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

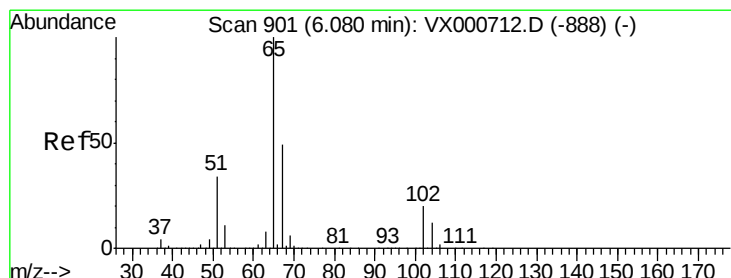
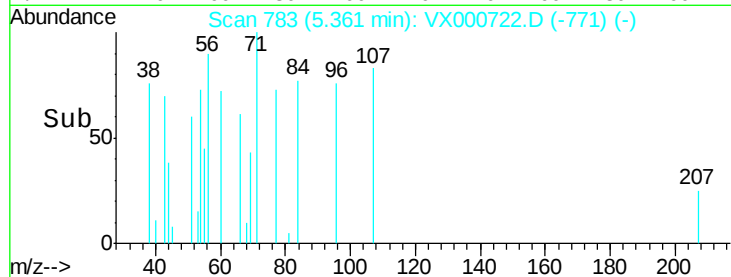
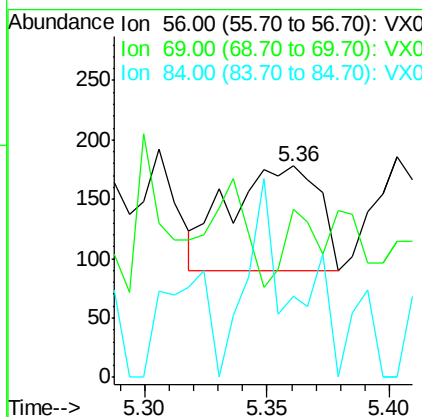
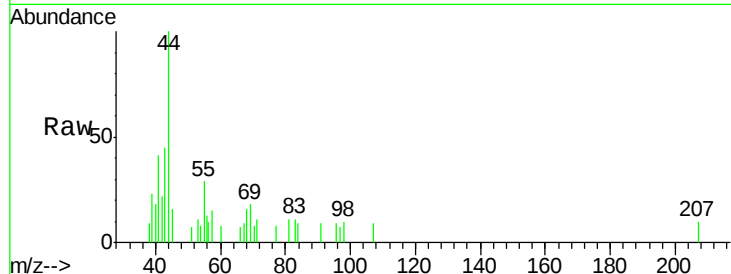




#31
Cyclohexane
Concen: Below Cal
RT: 5.36 min Scan# 783
Delta R.T. -0.23 min
Lab File: VX000722.D
Acq: 08 Apr 2018 11:09

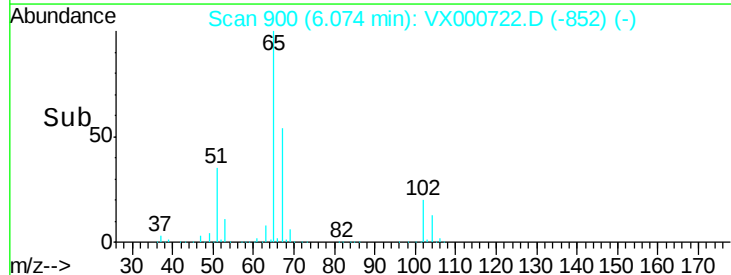
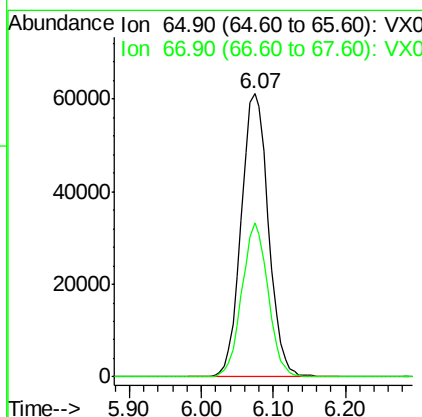
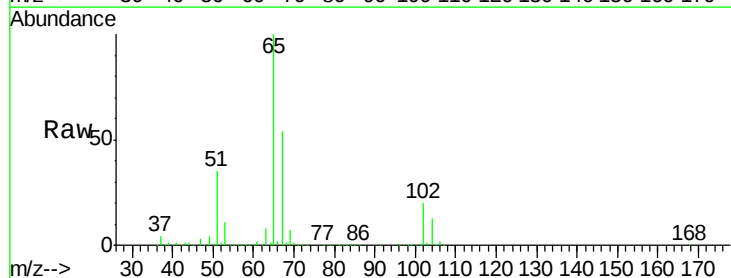
Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

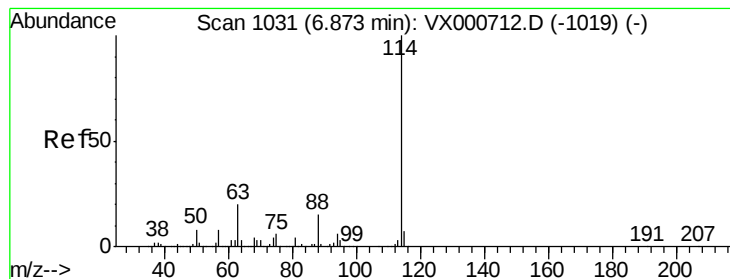
Tgt Ion: 56 Resp: 224
Ion Ratio Lower Upper
56 100
69 29.5 23.8 35.6
84 77.3 67.4 101.2



#33
1,2-Dichloroethane-d4
Concen: 43.77 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX000722.D
Acq: 08 Apr 2018 11:09

Tgt Ion: 65 Resp: 160859
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

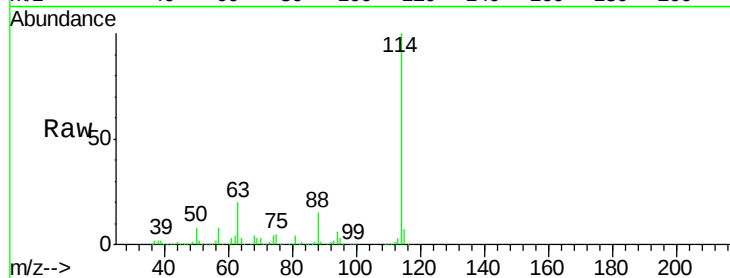
Tgt Ion:114 Resp: 444324

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

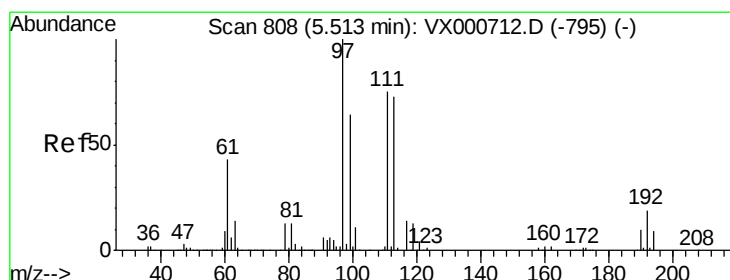
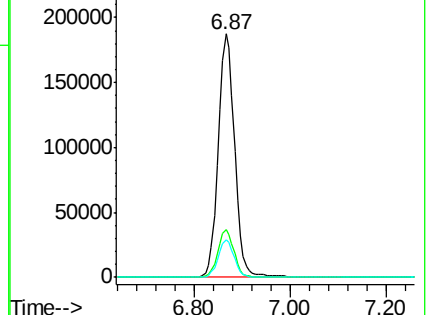
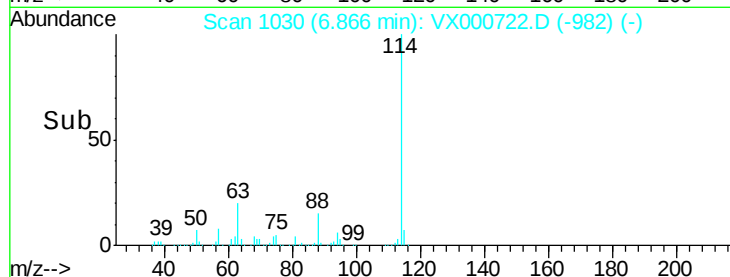
88 15.4 0.0 30.6



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: 47.59 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

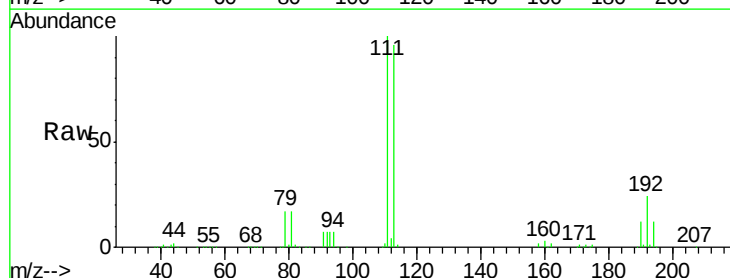
Tgt Ion:113 Resp: 136661

Ion Ratio Lower Upper

113 100

111 102.6 81.5 122.3

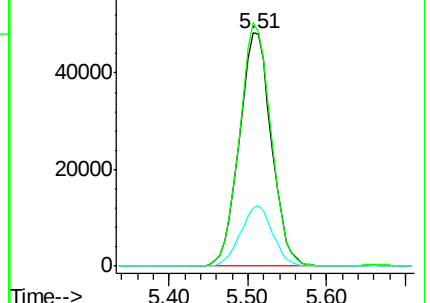
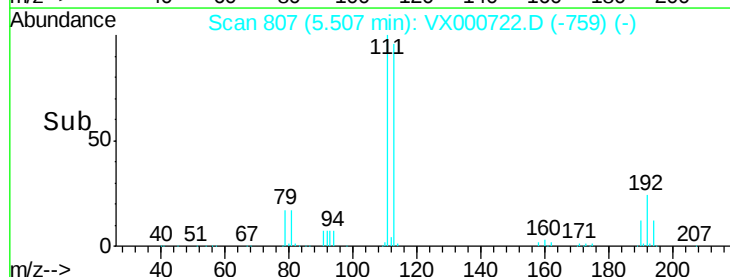
192 25.8 20.0 30.0

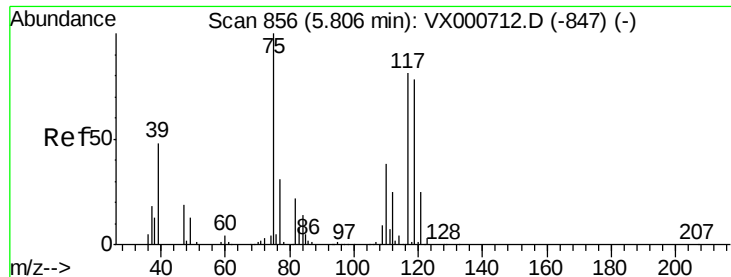


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.13 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

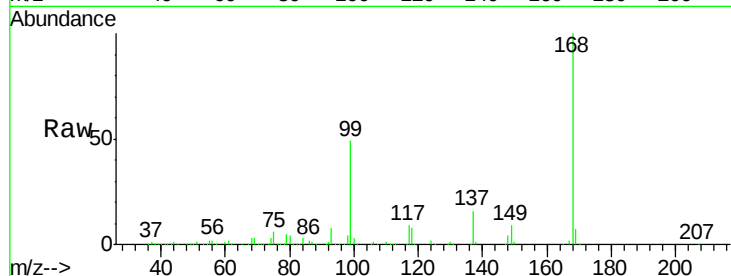
Tgt Ion: 75 Resp: 19530

Ion Ratio Lower Upper

75 100

110 11.0 18.6 56.0#

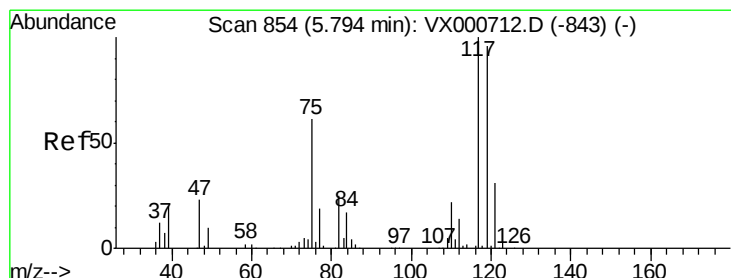
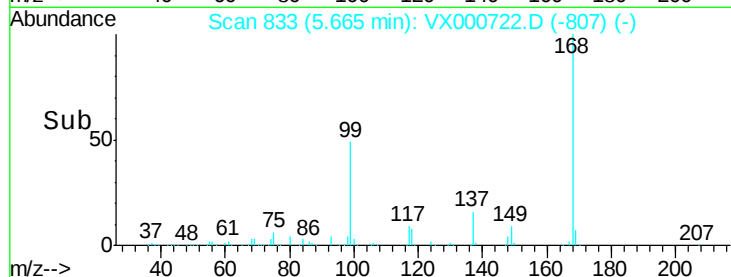
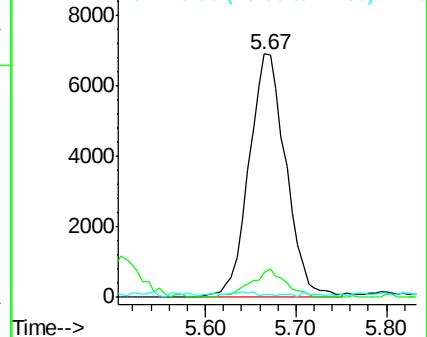
77 0.0 24.6 37.0#



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: 6.20 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

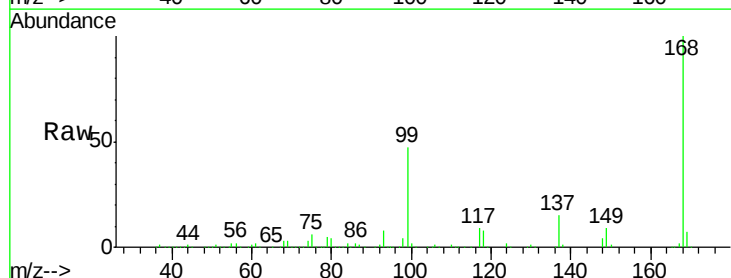
Tgt Ion: 117 Resp: 27626

Ion Ratio Lower Upper

117 100

119 5.1 76.7 115.1#

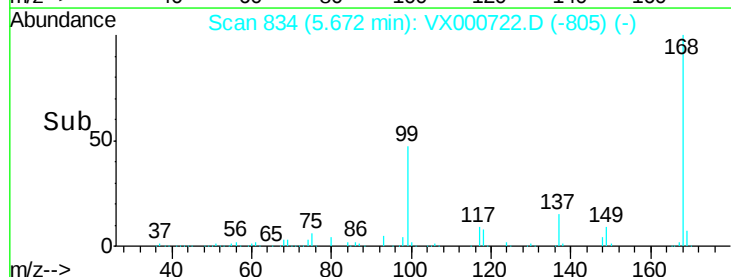
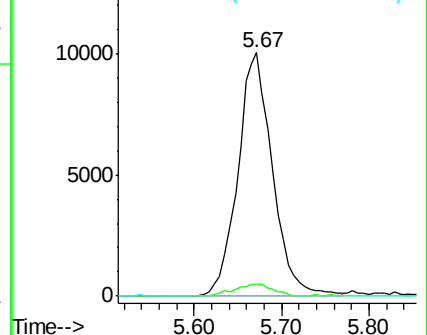
121 0.0 24.7 37.1#

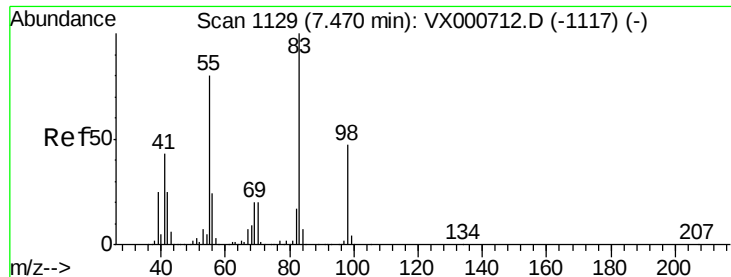


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

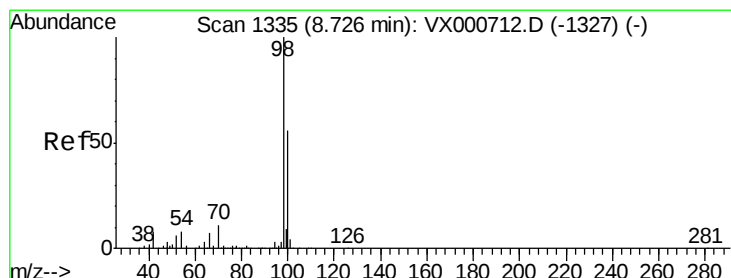
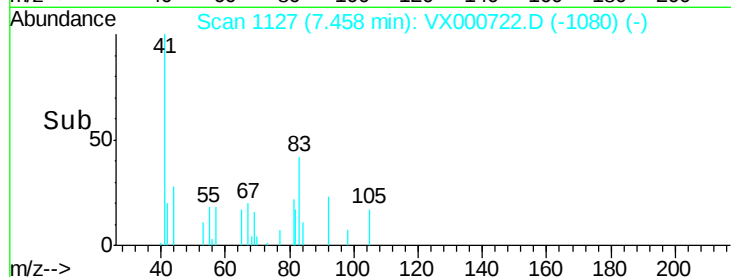
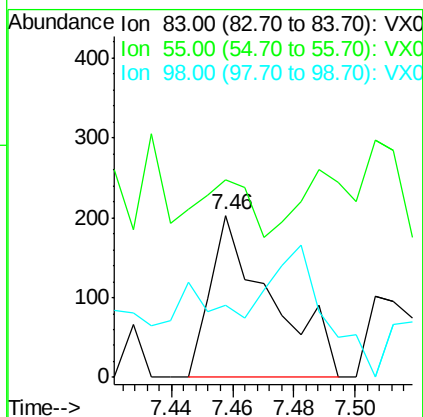
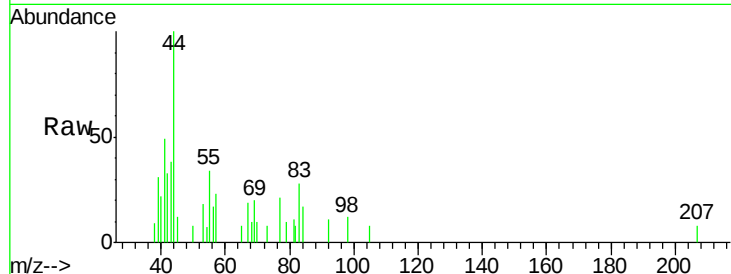




#39
Methylcyclohexane
Concen: Below Cal
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX000722.D
Acq: 08 Apr 2018 11:09

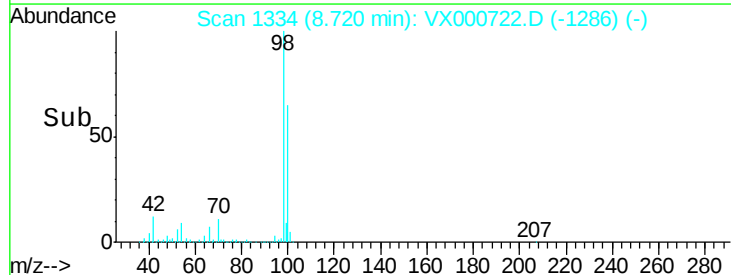
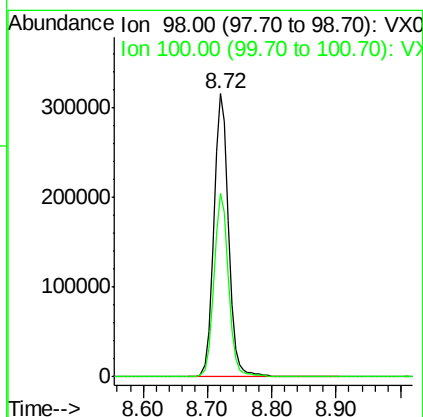
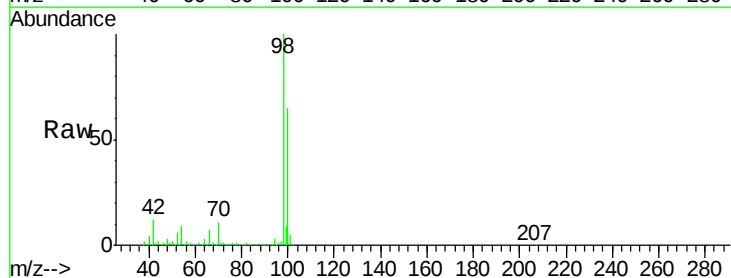
Instrument :
MSVOA_X
ClientSampleId :
VX0408WBL01

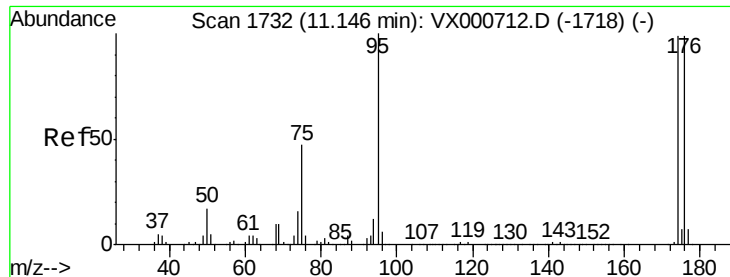
Tgt Ion: 83 Resp: 280
Ion Ratio Lower Upper
83 100
55 18.2 63.7 95.5#
98 19.2 37.2 55.8#



#50
Toluene-d8
Concen: 46.65 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.01 min
Lab File: VX000722.D
Acq: 08 Apr 2018 11:09

Tgt Ion: 98 Resp: 507719
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 45.27 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.01 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

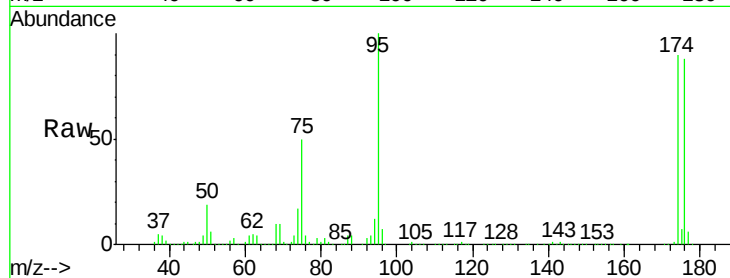
Tgt Ion: 95 Resp: 204639

Ion Ratio Lower Upper

95 100

174 96.4 0.0 191.6

176 93.5 0.0 187.0



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

11.14

150000

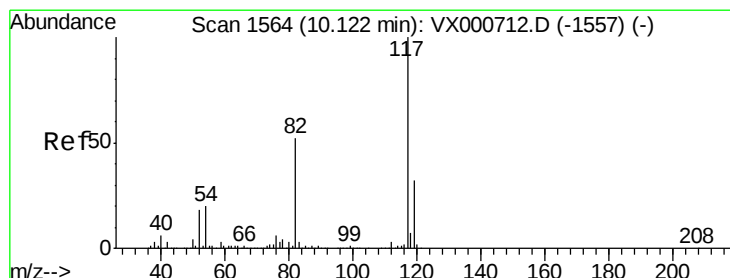
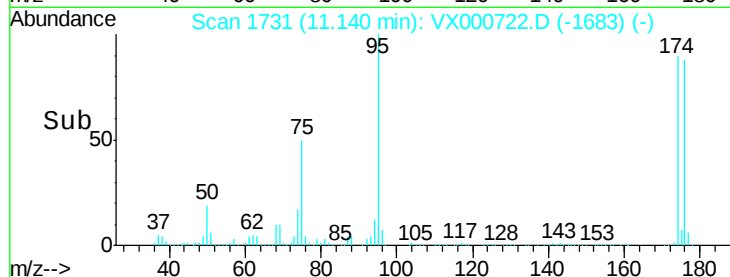
100000

50000

0

Time-->

11.10 11.20



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

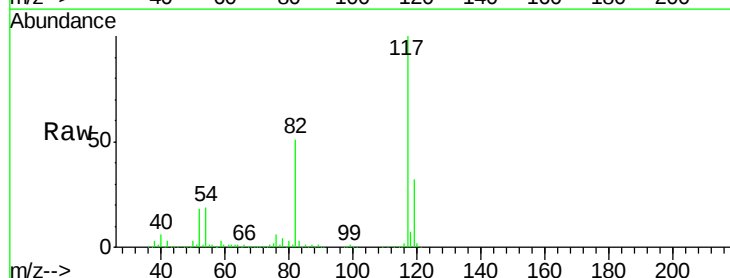
Tgt Ion: 117 Resp: 407033

Ion Ratio Lower Upper

117 100

82 51.0 41.9 62.9

119 32.2 25.8 38.8



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

10.12

300000

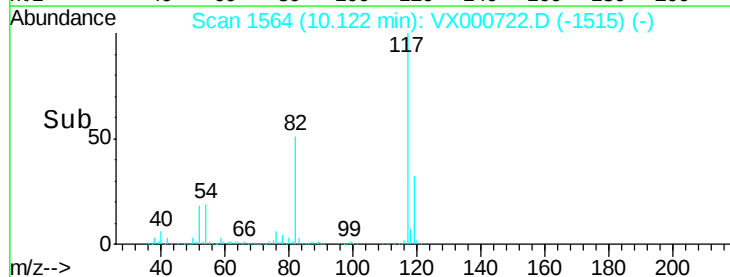
200000

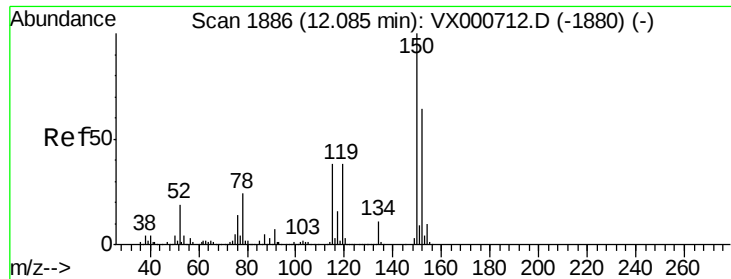
100000

0

Time-->

10.00 10.20





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

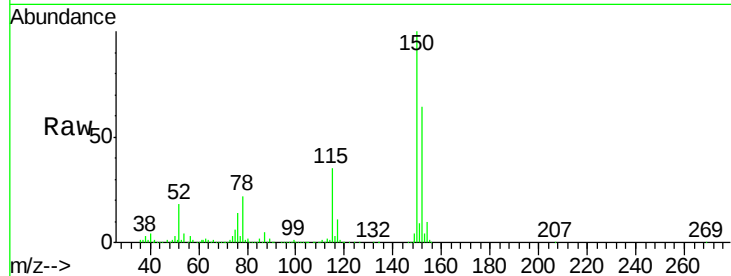
Tgt Ion:152 Resp: 233395

Ion Ratio Lower Upper

152 100

115 54.3 37.7 113.1

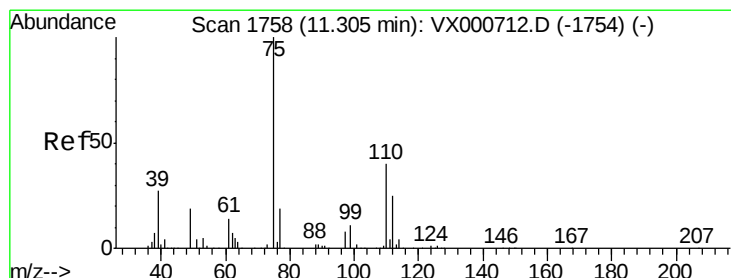
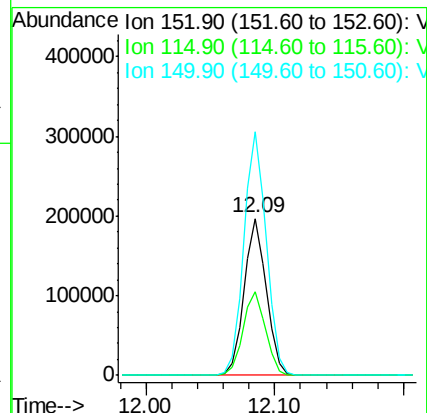
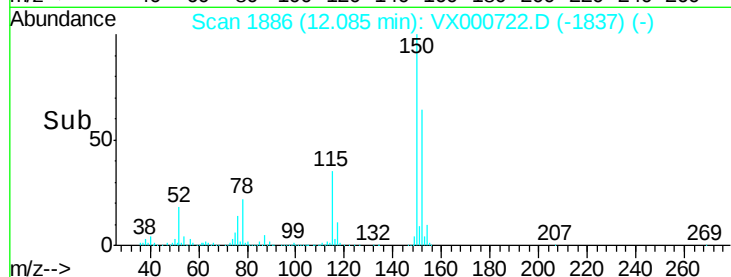
150 157.2 0.0 345.0



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



#76

1,2,3-Trichloropropane

Concen: 25.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000722.D

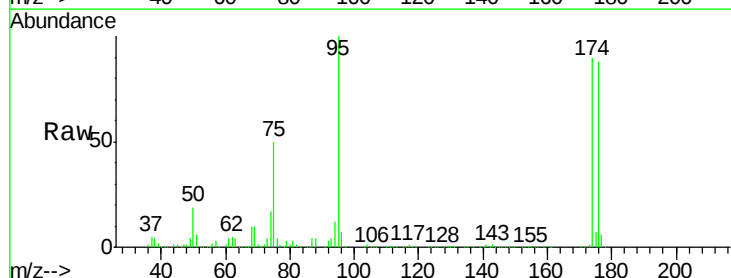
Acq: 08 Apr 2018 11:09

Tgt Ion: 75 Resp: 100843

Ion Ratio Lower Upper

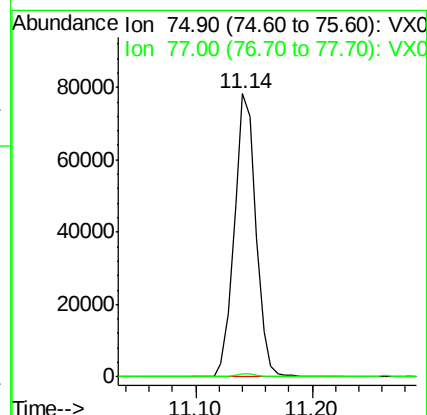
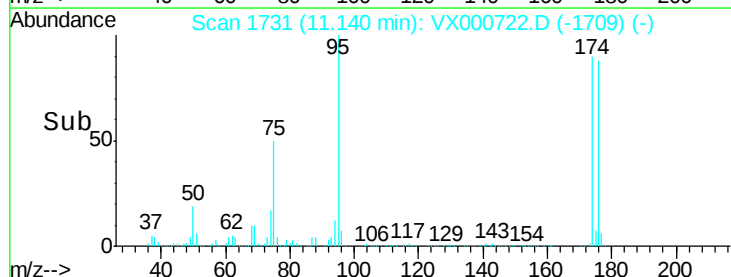
75 100

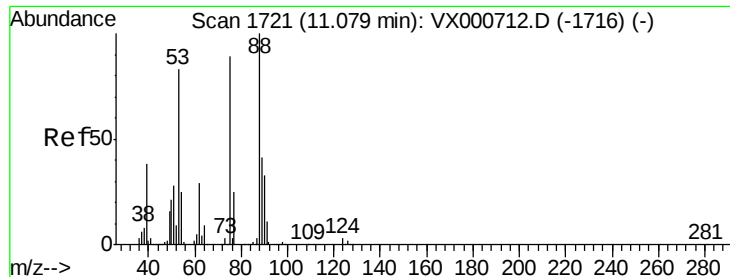
77 1.4 21.3 63.7#



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: 66.12 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

Instrument :

MSVOA_X

ClientSampleId :

VX0408WBL01

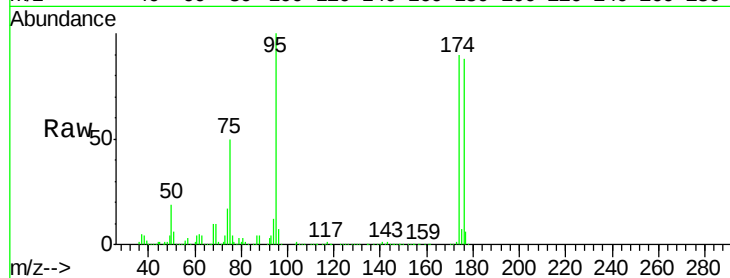
Tgt Ion: 75 Resp: 100843

Ion Ratio Lower Upper

75 100

53 0.2 74.2 111.2#

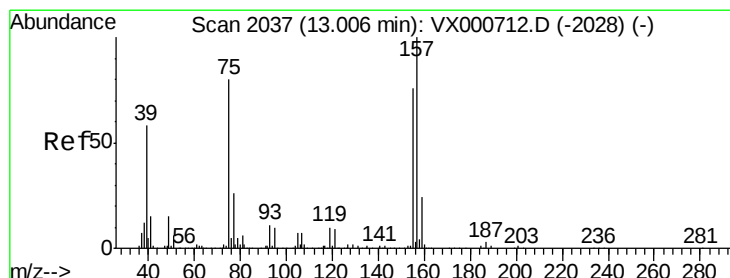
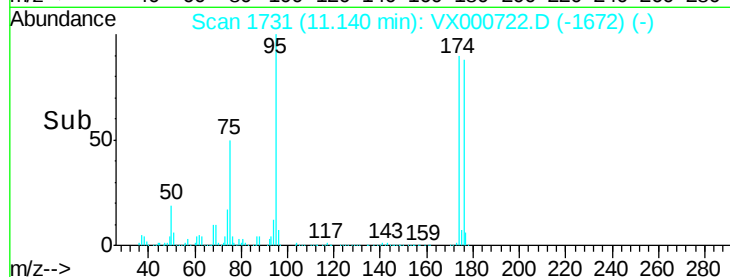
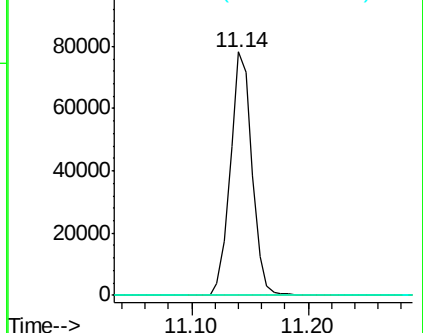
89 0.0 46.6 69.8#



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: 0.20 ug/l

RT: 12.82 min Scan# 2007

Delta R.T. -0.18 min

Lab File: VX000722.D

Acq: 08 Apr 2018 11:09

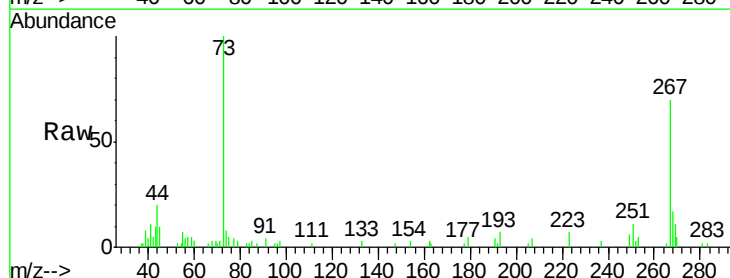
Tgt Ion: 75 Resp: 219

Ion Ratio Lower Upper

75 100

155 0.0 48.4 145.0#

157 0.0 62.8 188.5#



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

