

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042818\
 Data File : VX001220.D
 Acq On : 28 Apr 2018 18:04
 Operator : JC/MD
 Sample : J2547-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0471-180423

Quant Time: Apr 30 04:56:31 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	175988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	243564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	214599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	116378	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	135644	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	5.51	113	107532	53.34	ug/l	0.00
Spiked Amount			Recovery	=	106.68%	
50) Toluene-d8	8.72	98	396636	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	
62) 4-Bromofluorobenzene	11.14	95	131577	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	

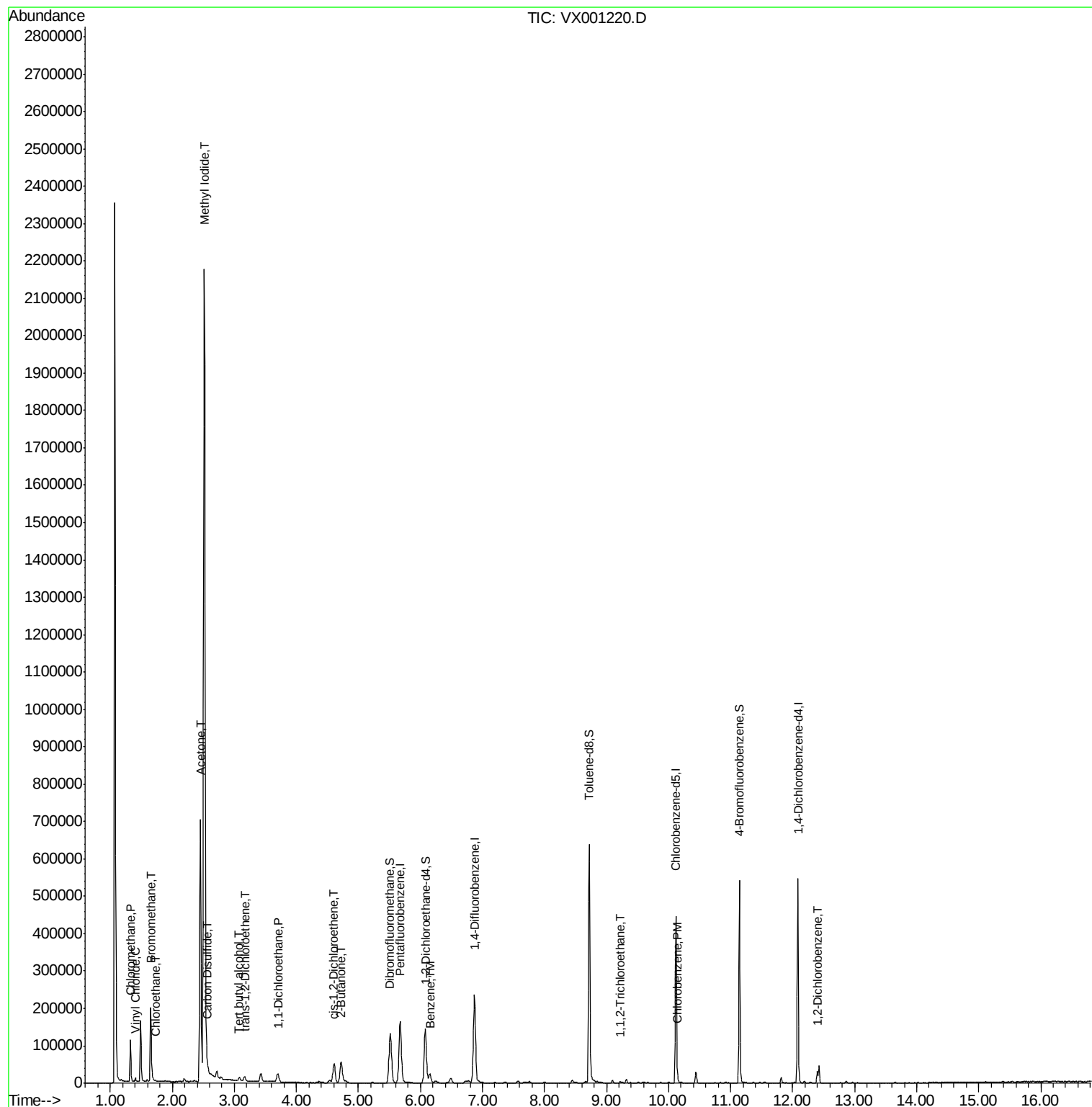
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	63850	33.03	ug/l	98
4) Vinyl Chloride	1.40	62	5294	2.58	ug/l	95
5) Bromomethane	1.65	94	93659	75.83	ug/l	99
6) Chloroethane	1.73	64	1130	0.88	ug/l	97
10) Methyl Iodide	2.51	142	2233940	1014.25	ug/l	99
11) Tert butyl alcohol	3.07	59	9723	18.07	ug/l #	94
16) Acetone	2.45	43	746773	665.67	ug/l	99
17) Carbon Disulfide	2.57	76	15178	3.34	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	4097	2.08	ug/l	98
24) 1,1-Dichloroethane	3.70	63	24629	7.21	ug/l	99
25) 2-Butanone	4.72	43	102205	60.89	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	32536	15.10	ug/l	88
40) Benzene	6.15	78	28154	3.63	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	811	0.38	ug/l	92
65) Chlorobenzene	10.15	112	2318	0.41	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	9507	2.33	ug/l	99

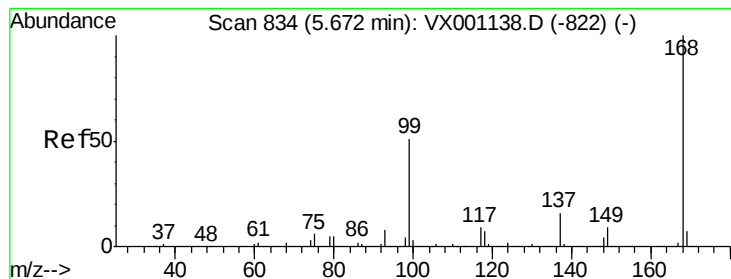
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

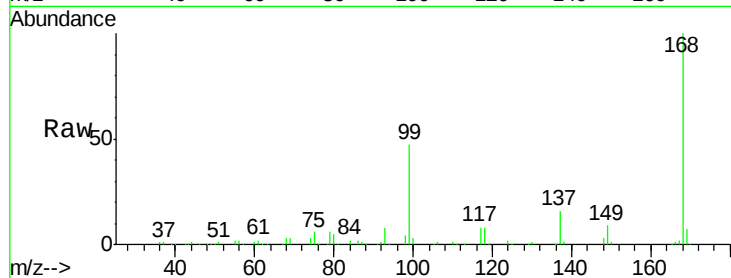
DUP-0471-180423

Tot Ion:168 Resp: 175988

Ion Ratio Lower Upper

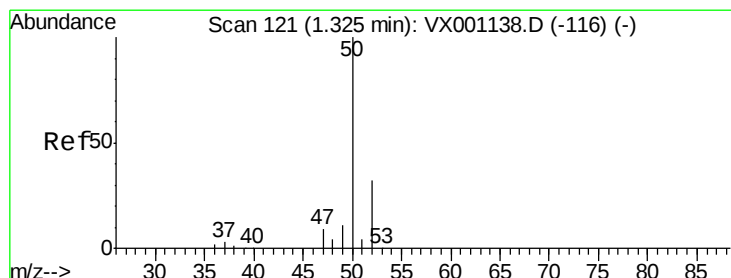
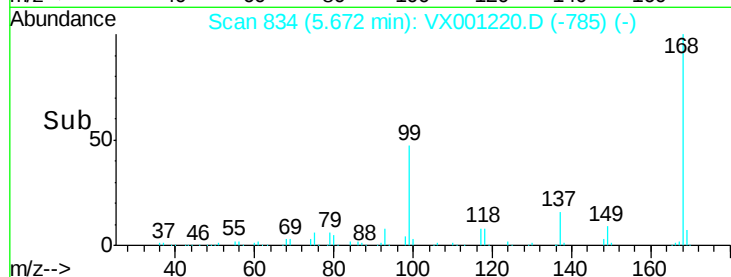
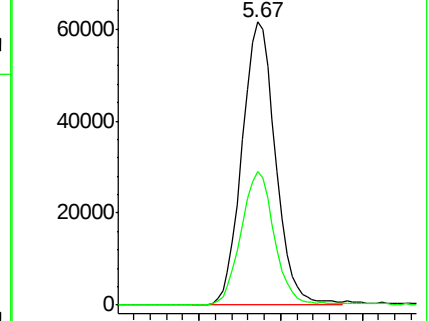
168 100

99 47.3 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 33.03 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001220.D

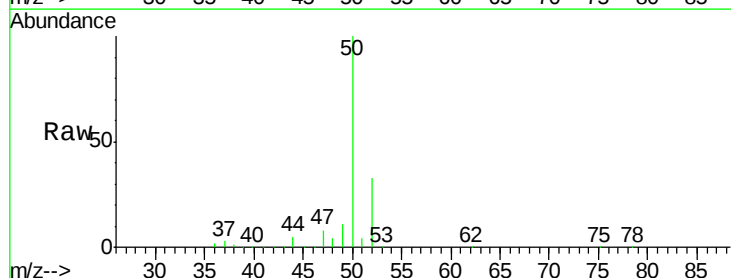
Acq: 28 Apr 2018 18:04

Tgt Ion: 50 Resp: 63850

Ion Ratio Lower Upper

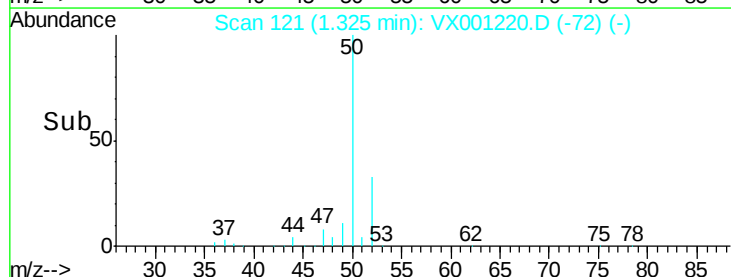
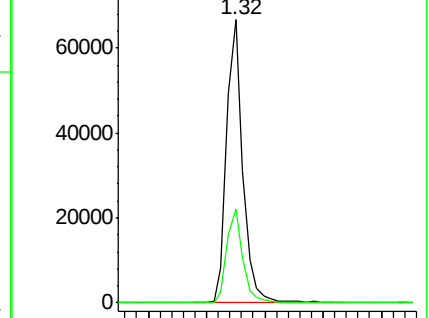
50 100

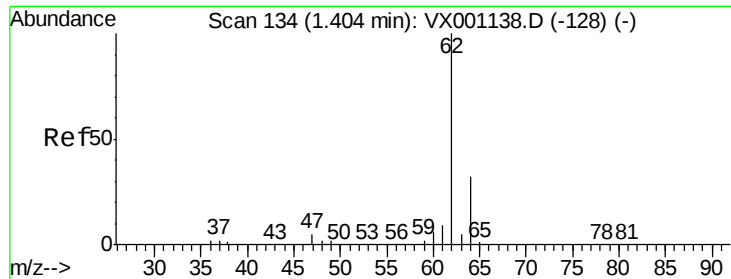
52 33.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 2.58 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

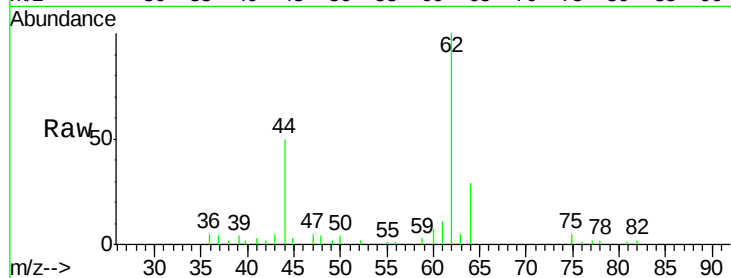
DUP-0471-180423

Tot Ion: 62 Resp: 5294

Ion Ratio Lower Upper

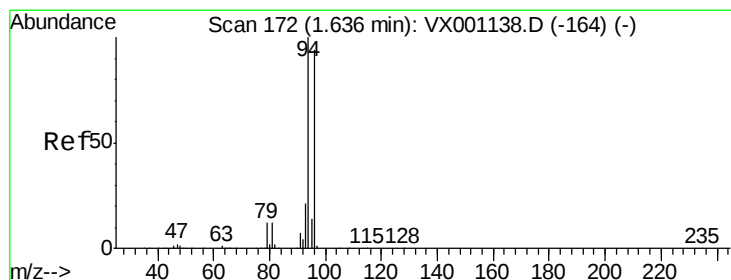
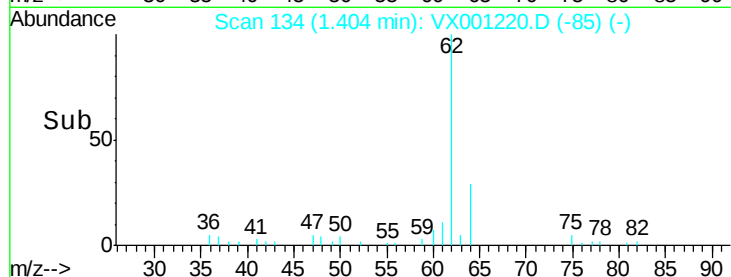
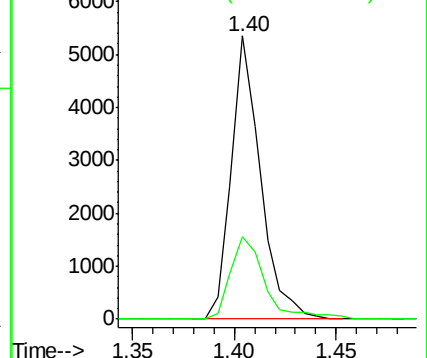
62 100

64 29.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 75.83 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001220.D

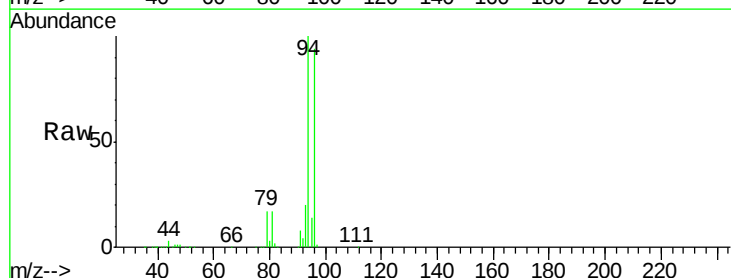
Acq: 28 Apr 2018 18:04

Tgt Ion: 94 Resp: 93659

Ion Ratio Lower Upper

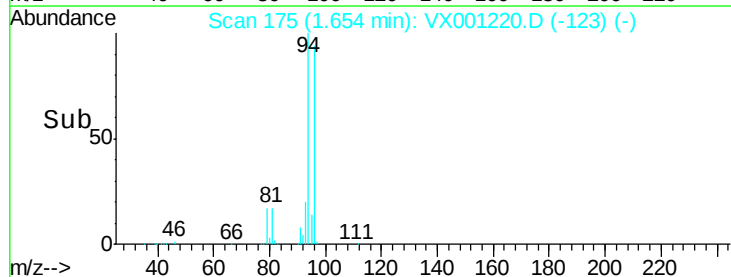
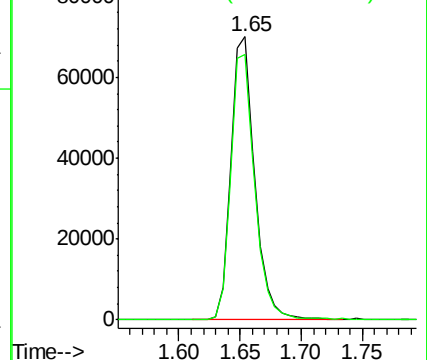
94 100

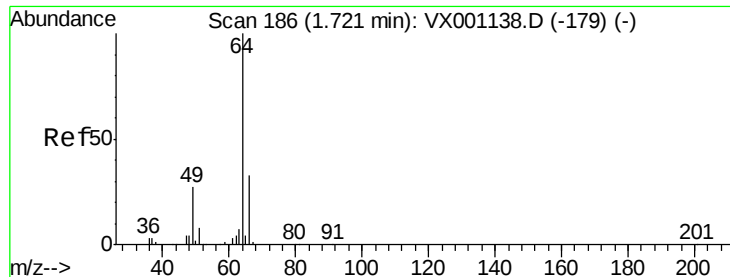
96 93.6 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

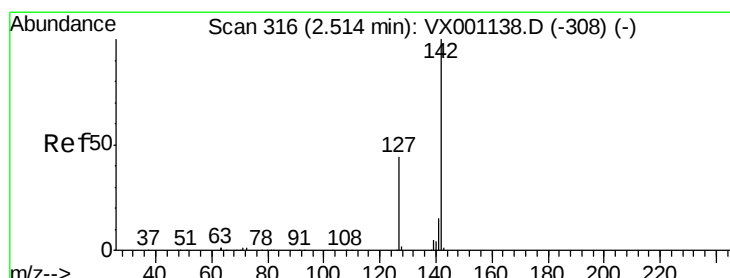
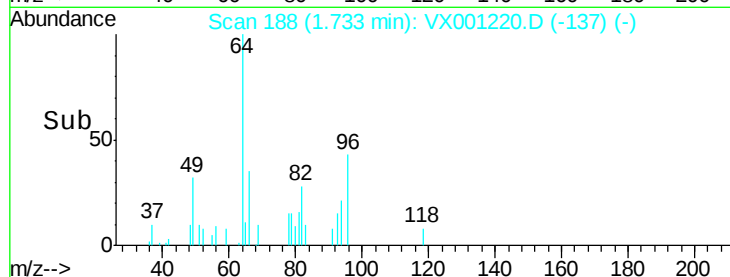
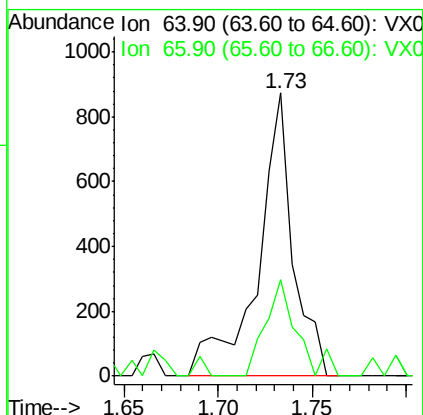
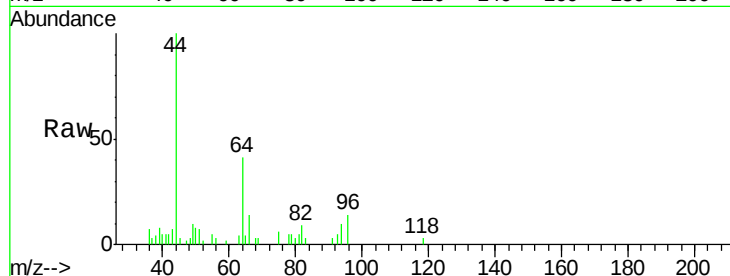




#6
Chloroethane
Concen: 0.88 ug/l
RT: 1.73 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX001220.D
Acq: 28 Apr 2018 18:04

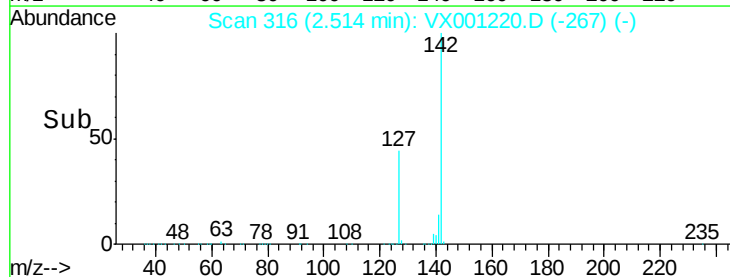
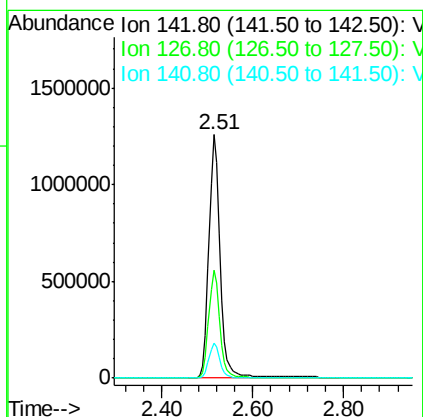
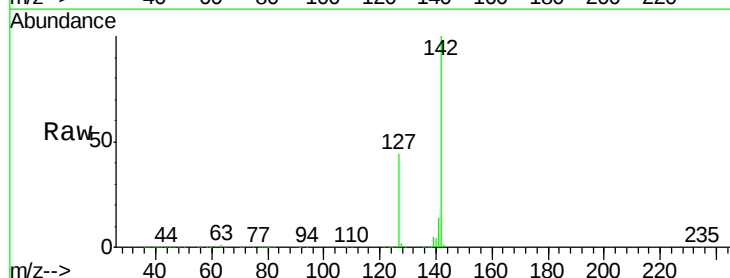
Instrument :
MSVOA_X
ClientSampleId :
DUP-0471-180423

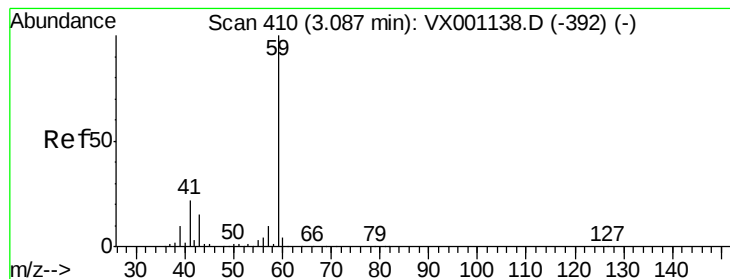
Tot Ion: 64 Resp: 1130
Ion Ratio Lower Upper
64 100
66 34.1 26.1 39.1



#10
Methyl Iodide
Concen: 1014.25 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001220.D
Acq: 28 Apr 2018 18:04

Tgt Ion:142 Resp: 2233940
Ion Ratio Lower Upper
142 100
127 43.9 34.7 52.1
141 14.0 11.6 17.4



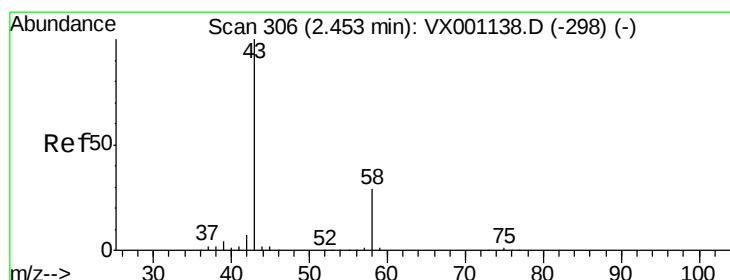
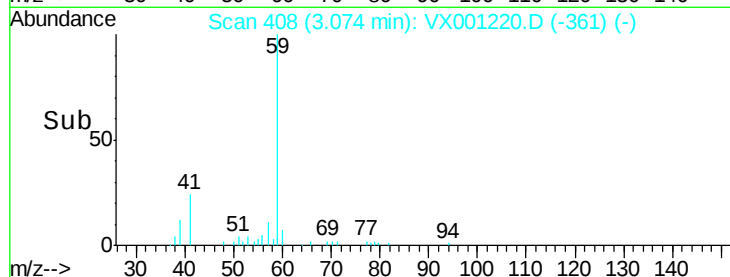
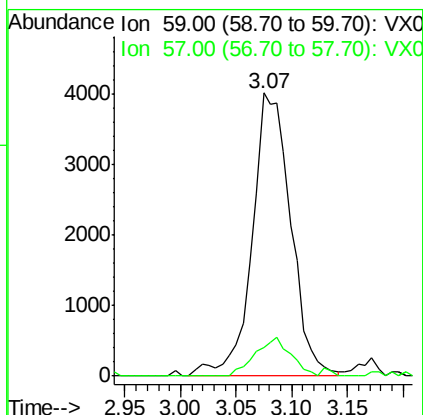
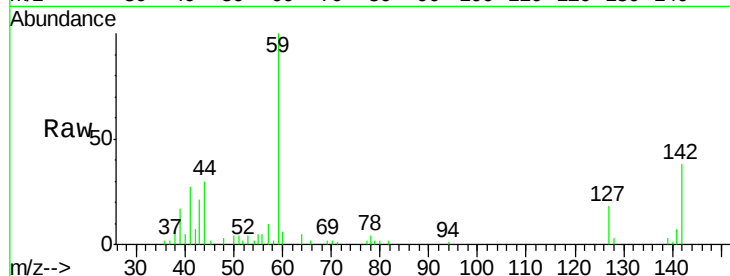


#11

Tert butyl alcohol
 Concen: 18.07 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX001220.D
 Acq: 28 Apr 2018 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0471-180423

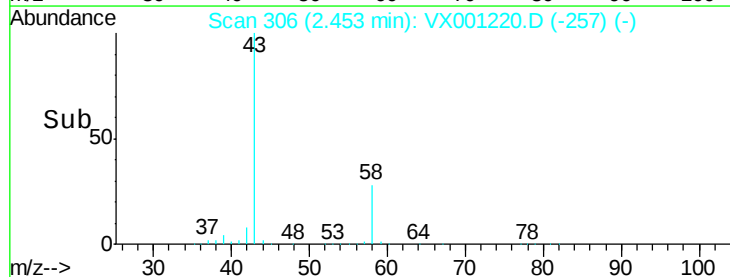
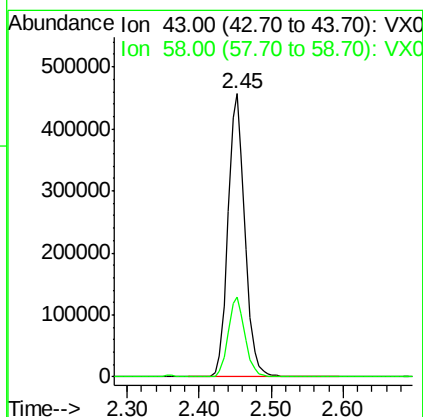
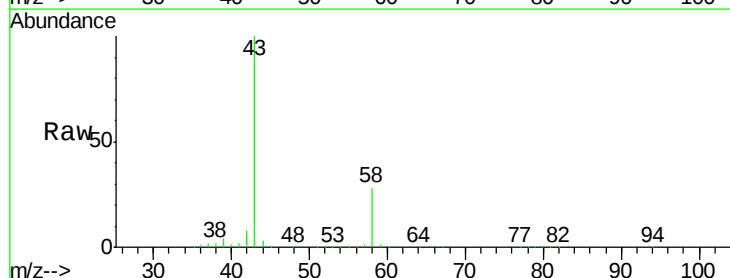
Tot Ion: 59 Resp: 9723
 Ion Ratio Lower Upper
 59 100
 57 12.4 8.2 12.4#

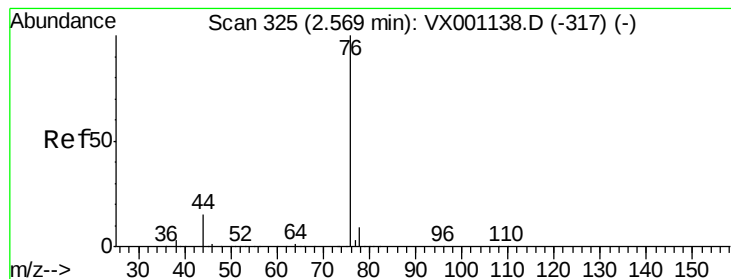


#16

Acetone
 Concen: 665.67 ug/l
 RT: 2.45 min Scan# 306
 Delta R.T. -0.00 min
 Lab File: VX001220.D
 Acq: 28 Apr 2018 18:04

Tgt Ion: 43 Resp: 746773
 Ion Ratio Lower Upper
 43 100
 58 28.4 23.0 34.6





#17

Carbon Disulfide

Concen: 3.34 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

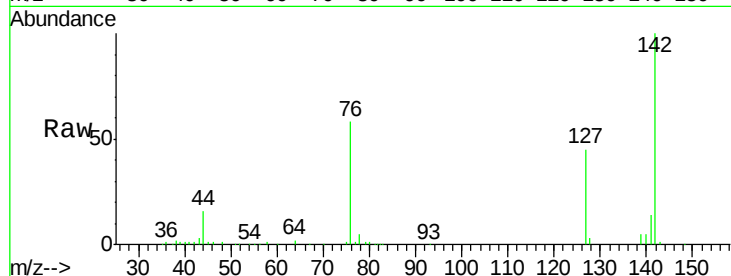
DUP-0471-180423

Tot Ion: 76 Resp: 15178

Ion Ratio Lower Upper

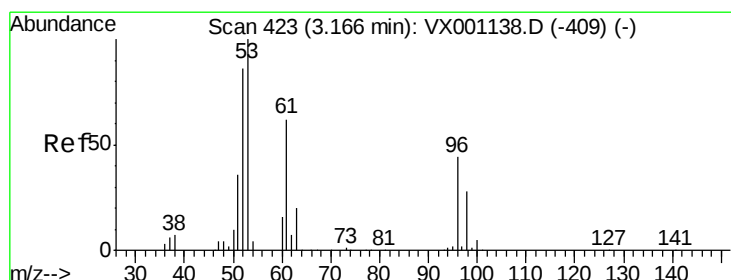
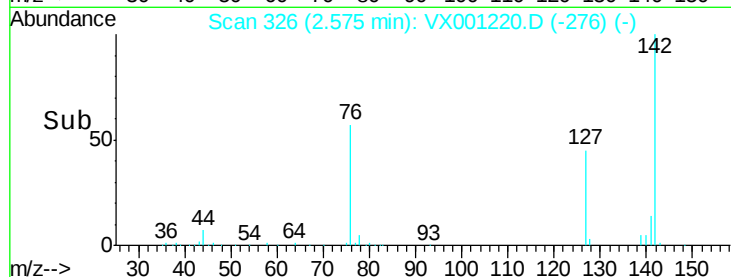
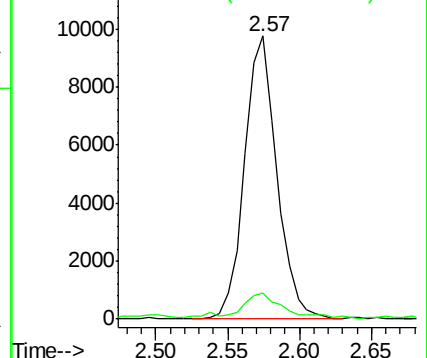
76 100

78 8.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#21

trans-1,2-Dichloroethene

Concen: 2.08 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

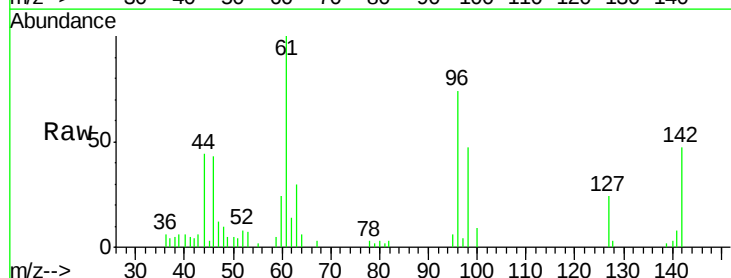
Tgt Ion: 96 Resp: 4097

Ion Ratio Lower Upper

96 100

61 136.0 111.9 167.9

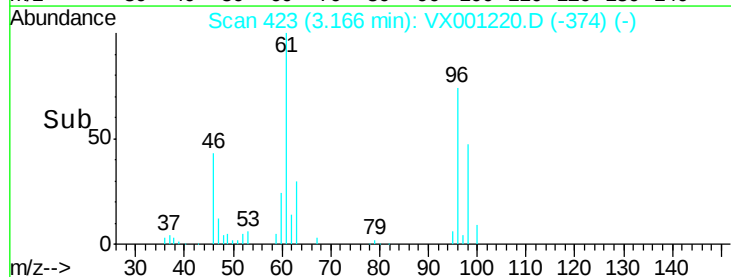
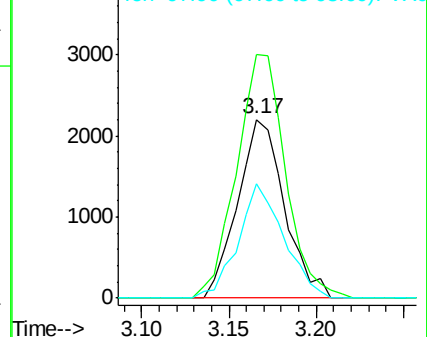
98 64.1 51.1 76.7

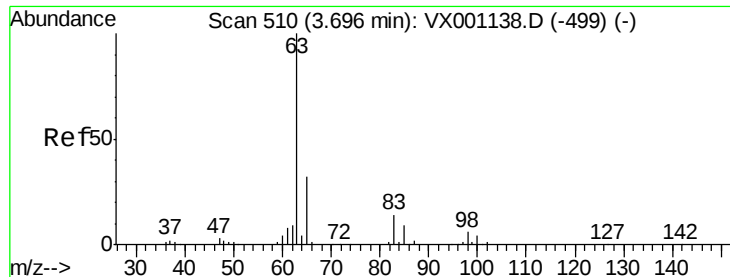


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 7.21 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

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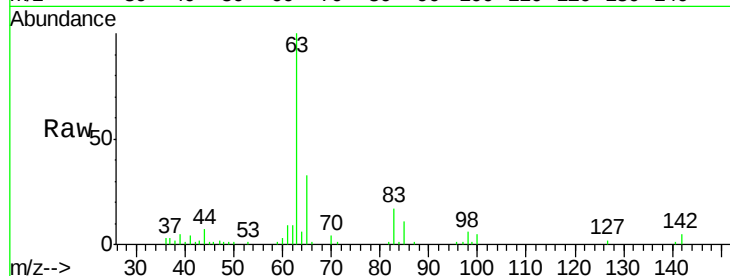
Tot Ion: 63 Resp: 24629

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.4

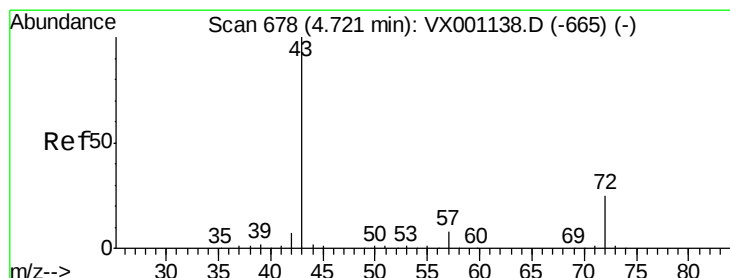
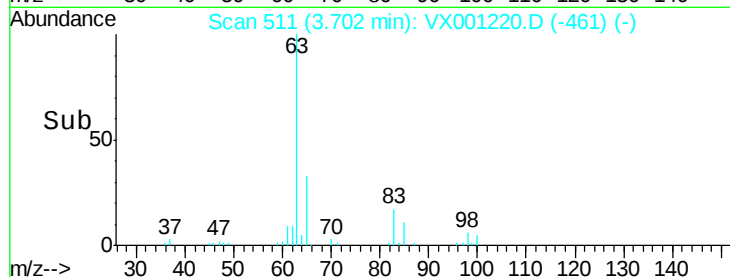
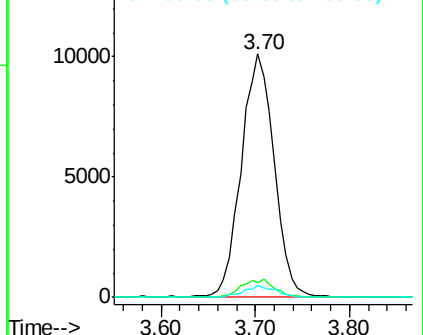
100 5.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#25

2-Butanone

Concen: 60.89 ug/l

RT: 4.72 min Scan# 678

Delta R.T. -0.00 min

Lab File: VX001220.D

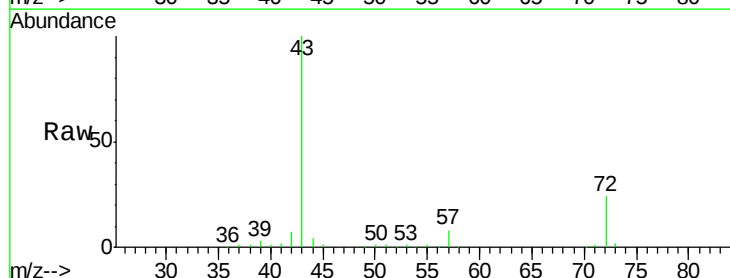
Acq: 28 Apr 2018 18:04

Tgt Ion: 43 Resp: 102205

Ion Ratio Lower Upper

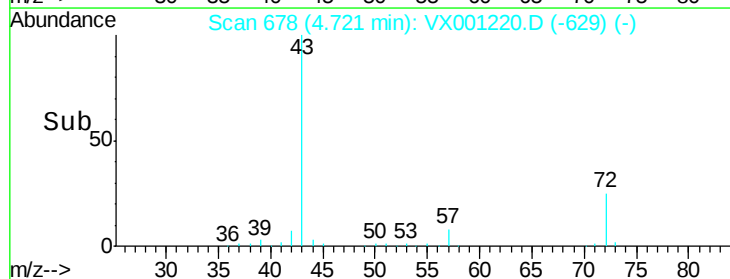
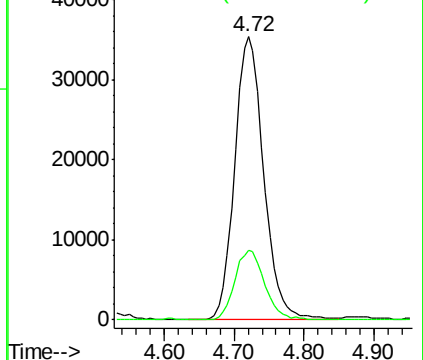
43 100

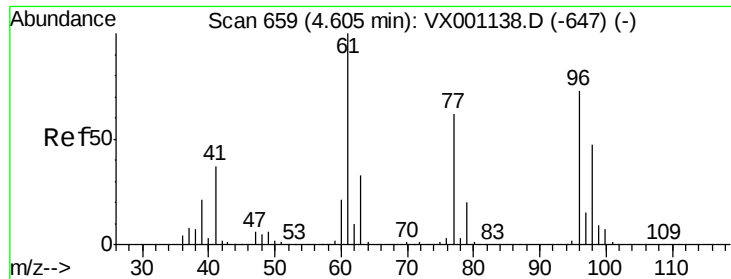
72 24.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 15.10 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

DUP-0471-180423

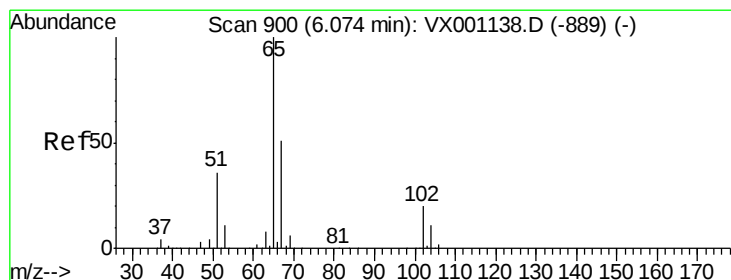
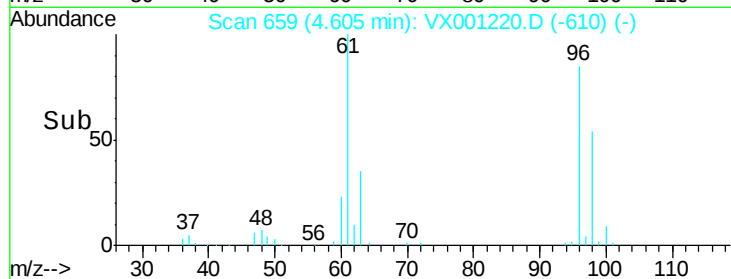
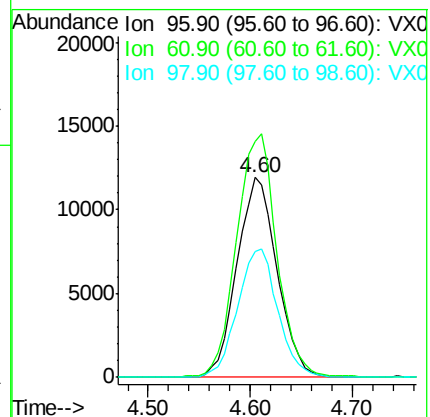
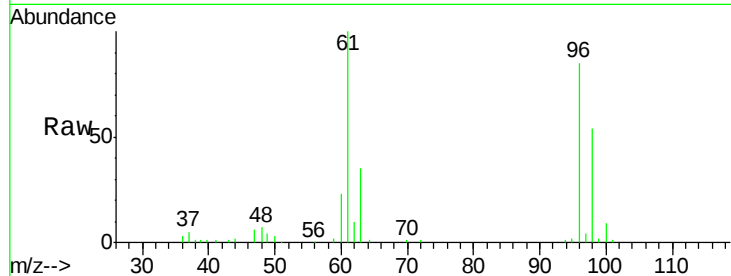
Tot Ion: 96 Resp: 32536

Ion Ratio Lower Upper

96 100

61 122.8 0.0 289.0

98 64.3 0.0 128.2



#33

1,2-Dichloroethane-d4

Concen: 49.72 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001220.D

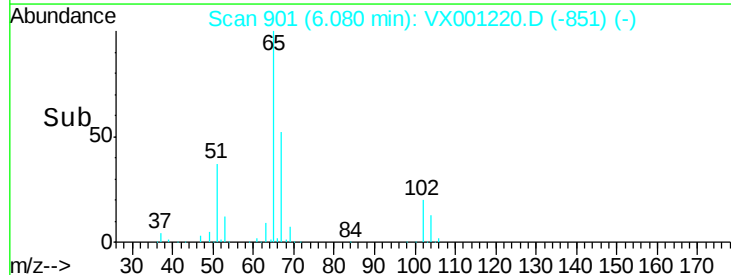
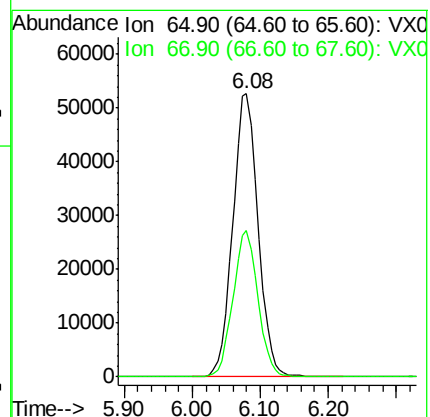
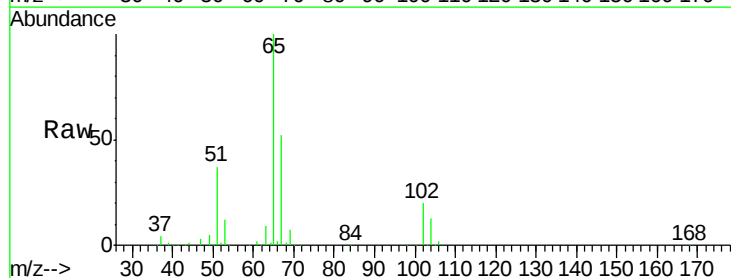
Acq: 28 Apr 2018 18:04

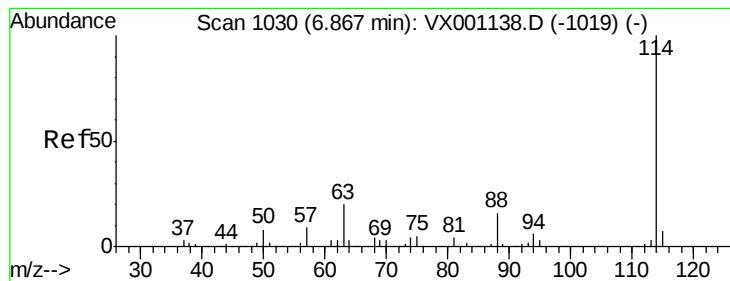
Tgt Ion: 65 Resp: 135644

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

DUP-0471-180423

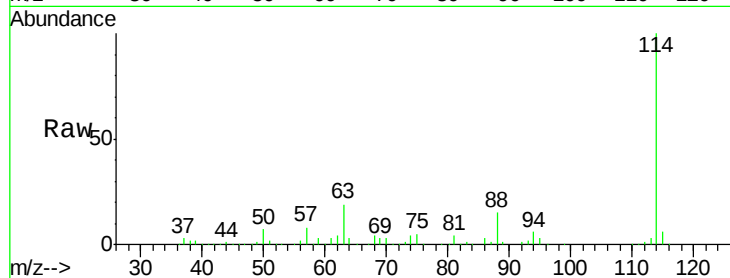
Tot Ion:114 Resp: 243564

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.4

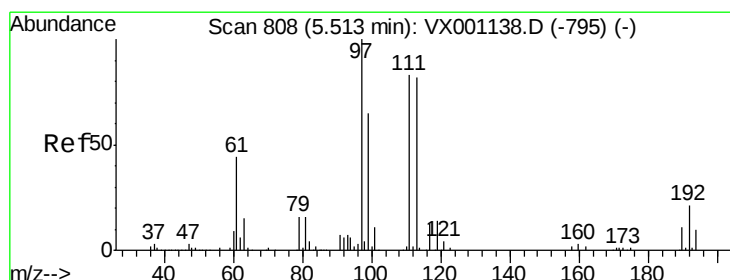
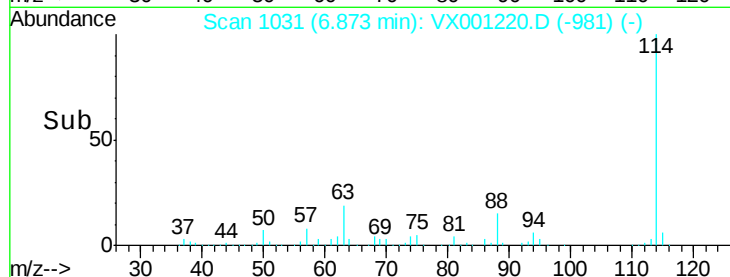
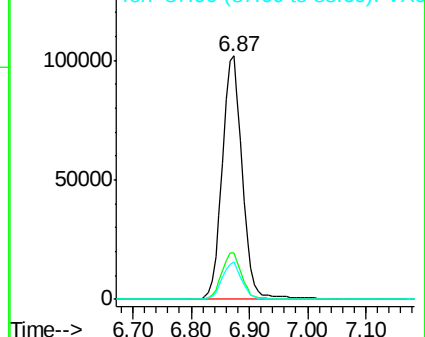
88 15.2 0.0 31.8



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: 53.34 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

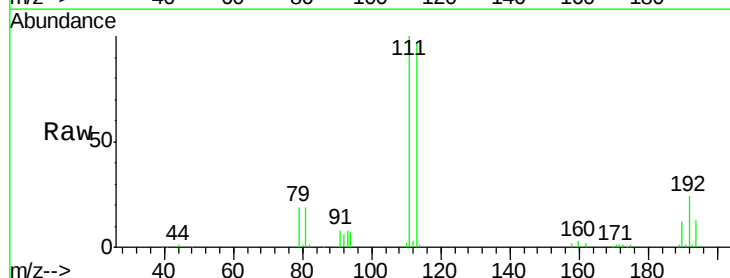
Tgt Ion:113 Resp: 107532

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

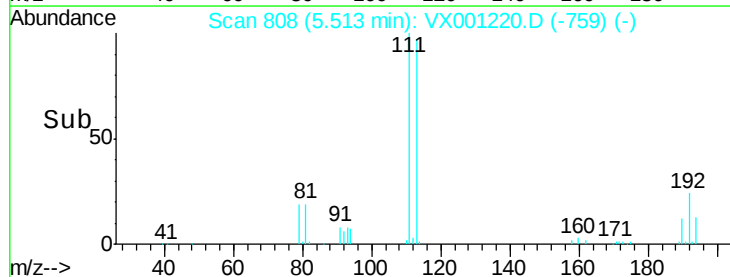
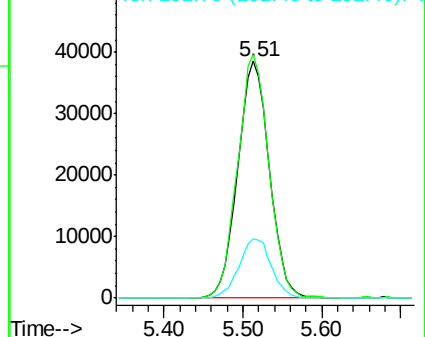
192 25.7 20.6 30.8

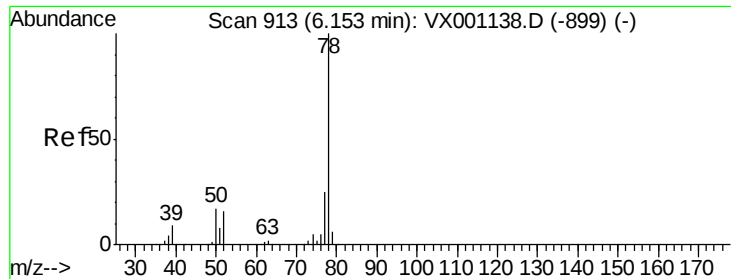


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.63 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

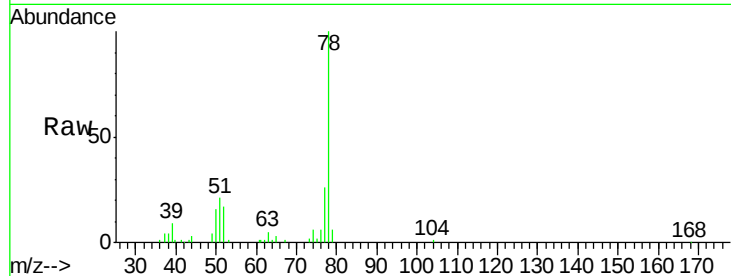
DUP-0471-180423

Tot Ion: 78 Resp: 28154

Ion Ratio Lower Upper

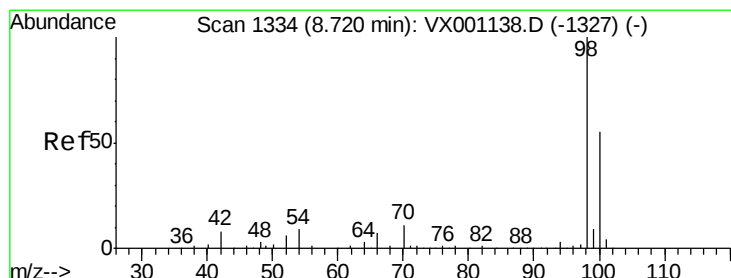
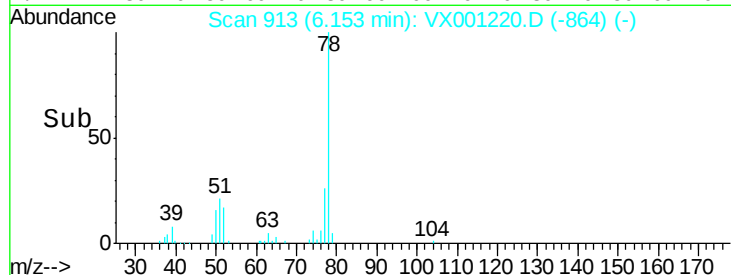
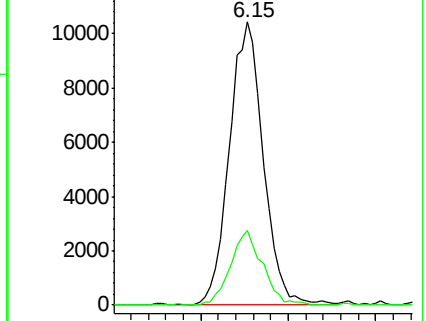
78 100

77 26.2 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 52.13 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001220.D

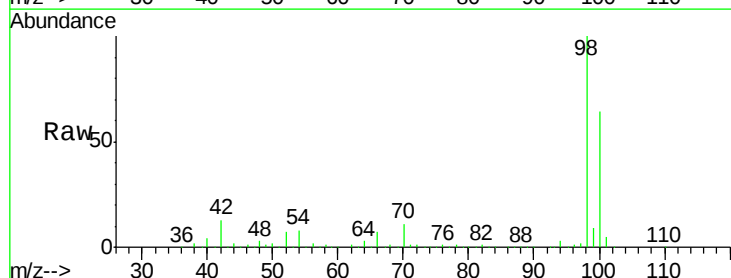
Acq: 28 Apr 2018 18:04

Tgt Ion: 98 Resp: 396636

Ion Ratio Lower Upper

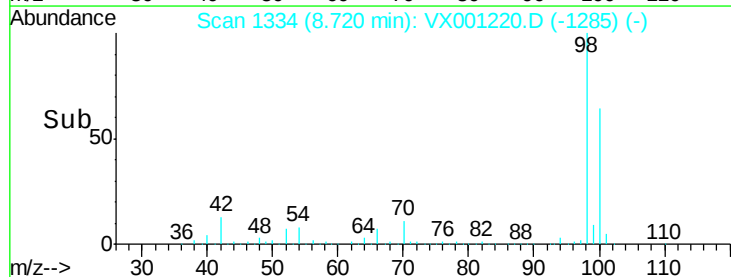
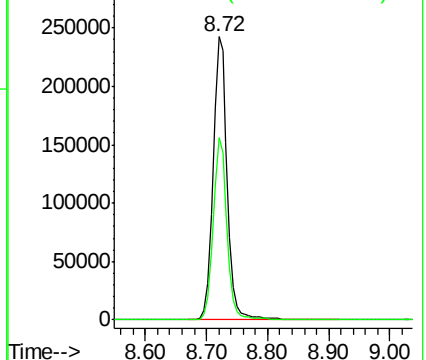
98 100

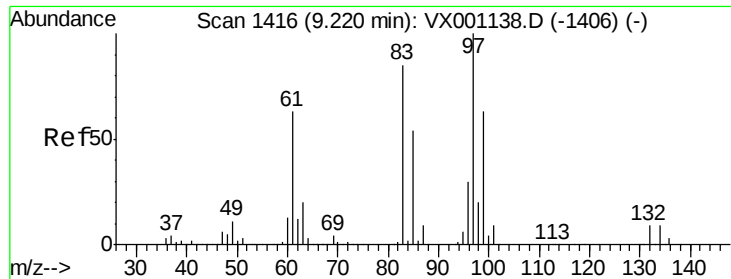
100 63.1 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

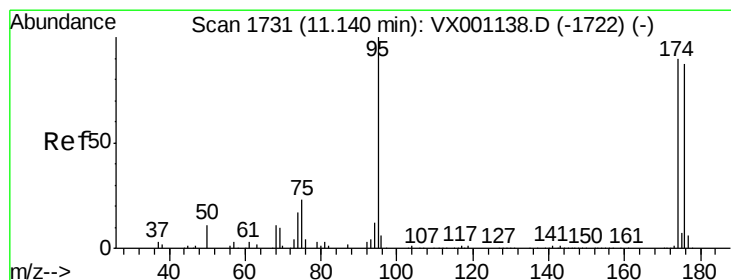
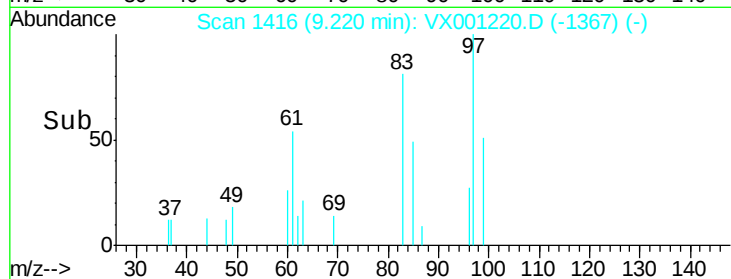
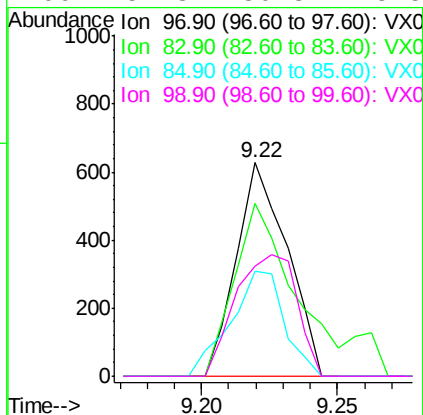
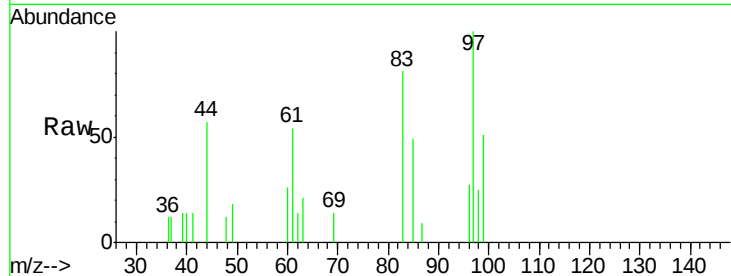




#55
 1,1,2-Trichloroethane
 Concen: 0.38 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX001220.D
 Acq: 28 Apr 2018 18:04

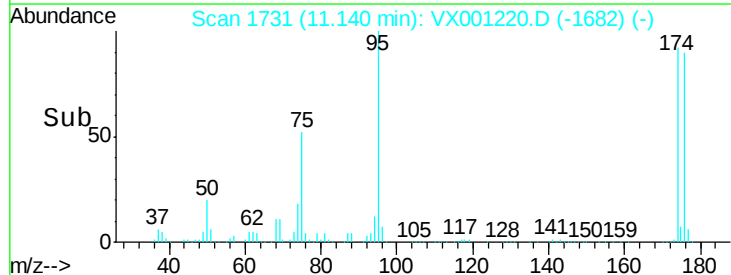
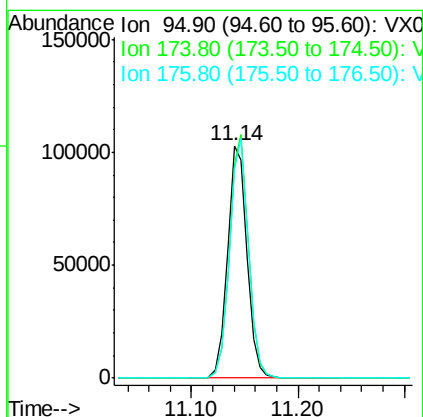
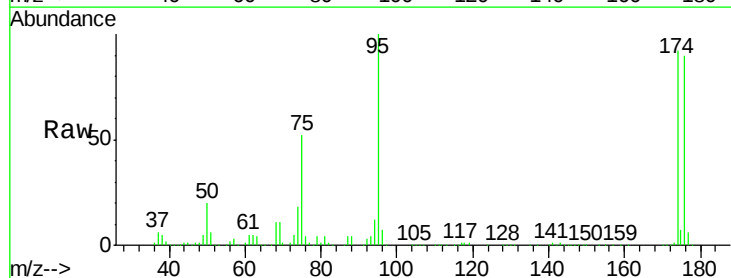
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0471-180423

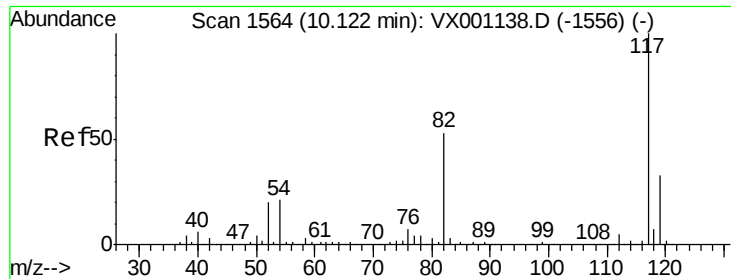
Tot Ion:	97	Resp:	811
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.0	102.0
85	49.0	42.9	64.3
99	51.3	50.3	75.5



#62
 4-Bromofluorobenzene
 Concen: 44.27 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001220.D
 Acq: 28 Apr 2018 18:04

Tgt Ion:	95	Resp:	131577
Ion	Ratio	Lower	Upper
95	100		
174	101.7	0.0	194.4
176	100.5	0.0	190.2

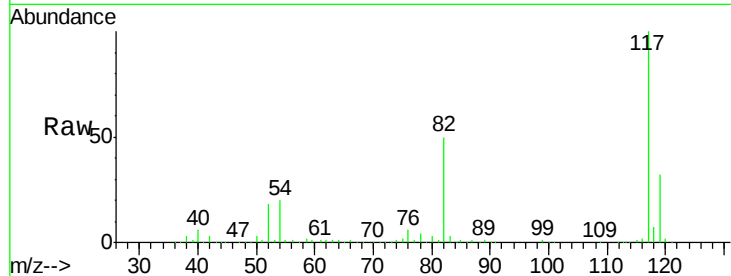




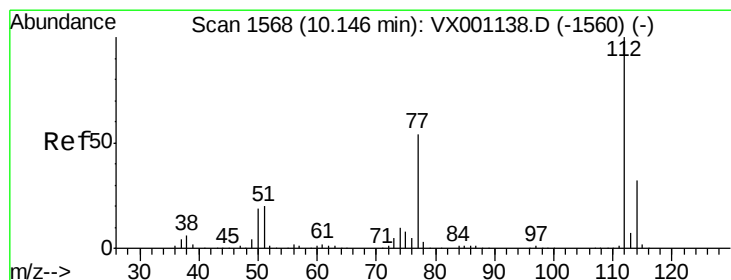
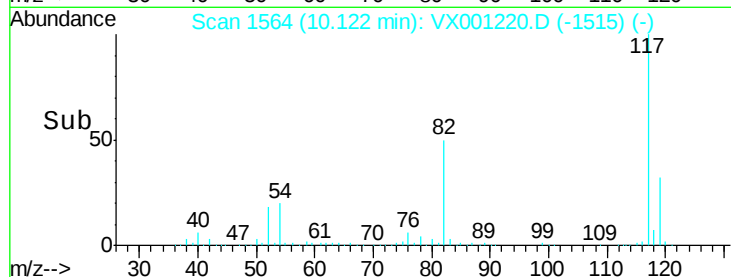
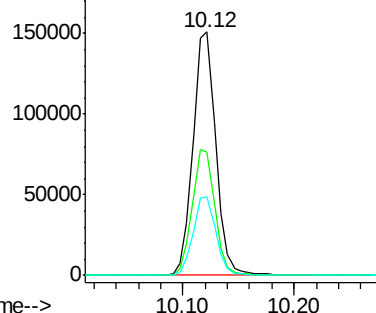
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001220.D
Acq: 28 Apr 2018 18:04

Instrument :
MSVOA_X
ClientSampleId :
DUP-0471-180423

Tot Ion:117 Resp: 214599
Ion Ratio Lower Upper
117 100
82 50.4 42.1 63.1
119 32.5 26.1 39.1

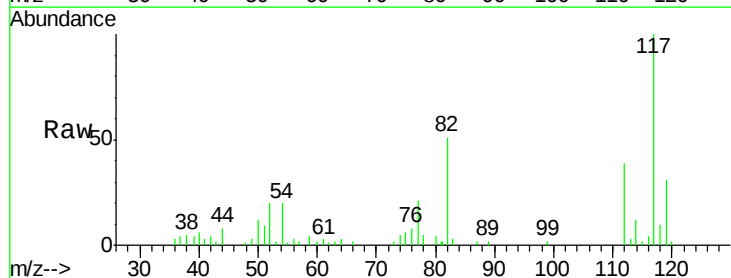


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

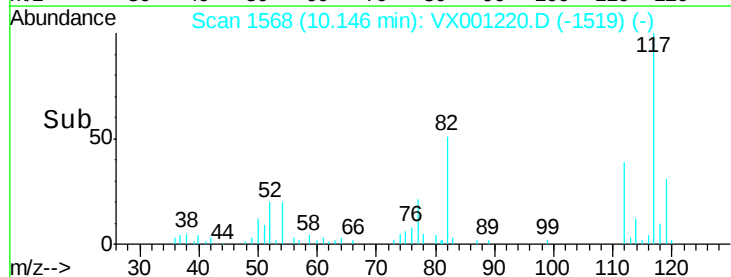
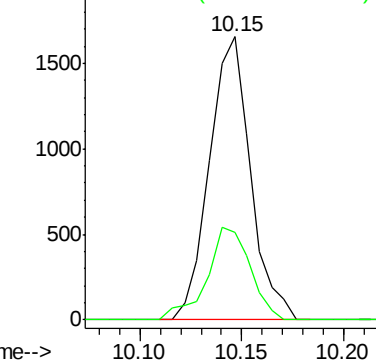


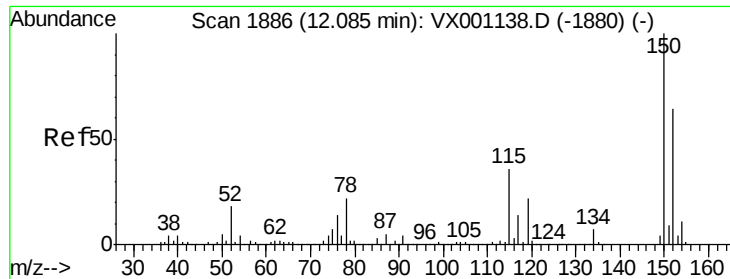
#65
Chlorobenzene
Concen: 0.41 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001220.D
Acq: 28 Apr 2018 18:04

Tgt Ion:112 Resp: 2318
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

DUP-0471-180423

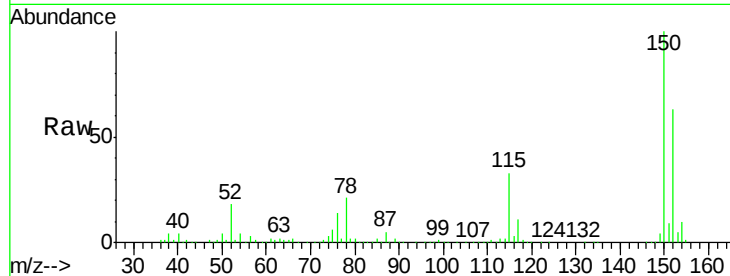
Tot Ion:152 Resp: 116378

Ion Ratio Lower Upper

152 100

115 52.3 38.0 114.0

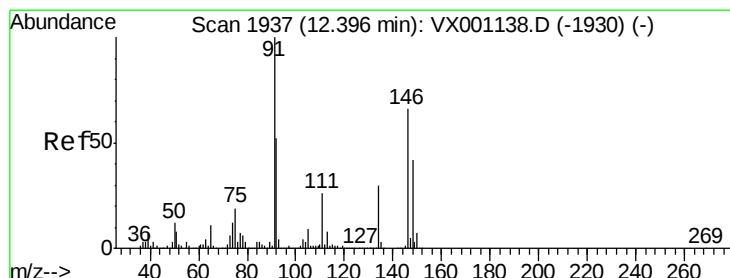
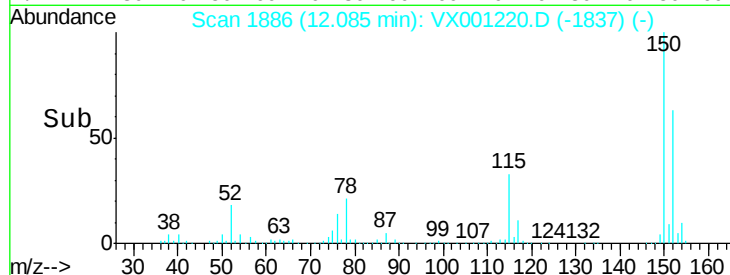
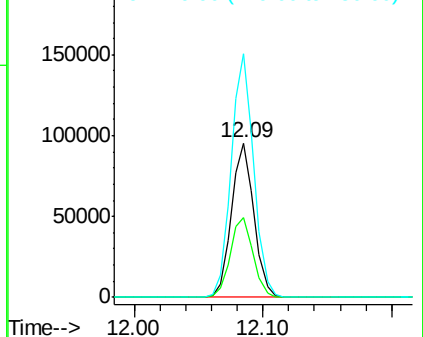
150 157.6 0.0 349.6



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



#91

1,2-Dichlorobenzene

Concen: 2.33 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX001220.D

Acq: 28 Apr 2018 18:04

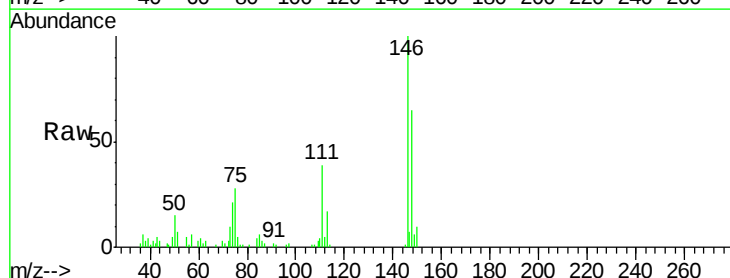
Tgt Ion:146 Resp: 9507

Ion Ratio Lower Upper

146 100

111 39.2 19.1 57.3

148 63.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

