

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX042718\
 Data File : VX001175.D
 Acq On : 27 Apr 2018 17:20
 Operator : JC/MD
 Sample : J2464-07DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0446-180418DL

Quant Time: Apr 28 03:09:05 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	191006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	260607	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	232706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	130585	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	134350	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	5.51	113	105683	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	8.72	98	405255	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	11.14	95	137482	43.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.46%	

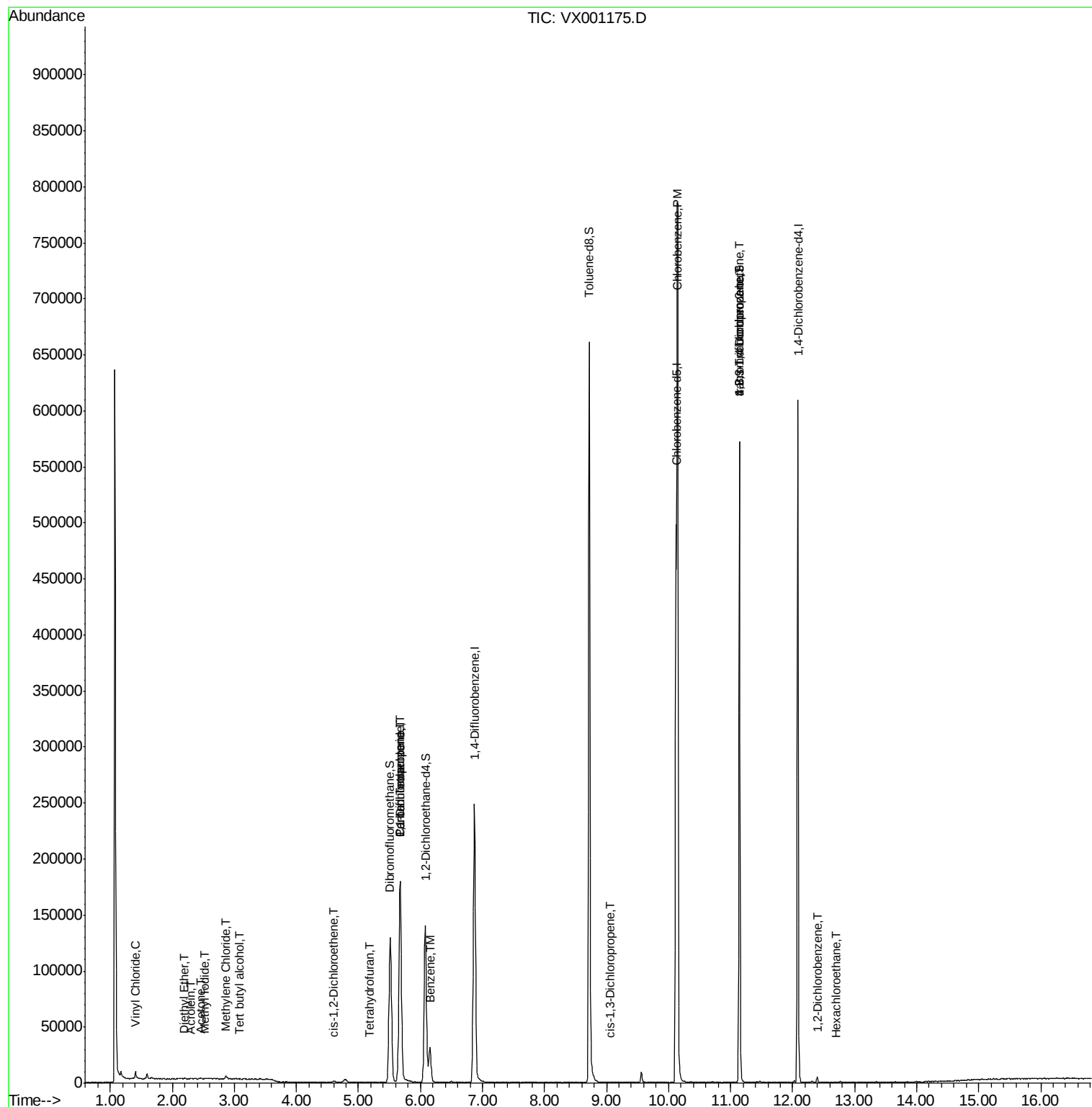
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3694	1.660	ug/l	92
5) Bromomethane	1.62	94	174	Below Cal	#	3
8) Diethyl Ether	2.20	74	289	0.209	ug/l	60
10) Methyl Iodide	2.51	142	104	7.282	ug/l #	90
11) Tert butyl alcohol	3.08	59	342	0.586	ug/l #	88
13) Acrolein	2.31	56	78	0.353	ug/l #	36
16) Acetone	2.45	43	800	0.657	ug/l #	78
20) Methylene Chloride	2.86	84	1309	0.577	ug/l	87
27) cis-1,2-Dichloroethene	4.61	96	756	0.323	ug/l	85
29) Tetrahydrofuran	5.19	42	556	0.475	ug/l #	53
36) 1,1-Dichloropropene	5.67	75	12237	4.261	ug/l #	49
38) Carbon Tetrachloride	5.67	117	16889	5.735	ug/l #	15
40) Benzene	6.15	78	36181	4.355	ug/l	98
54) cis-1,3-Dichloropropene	9.06	75	49	3.200	ug/l #	27
65) Chlorobenzene	10.15	112	354132	58.085	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	71084	26.733	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	71084	81.386	ug/l #	6
90) Hexachloroethane	12.71	117	22	3.393	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1707	0.373	ug/l	94

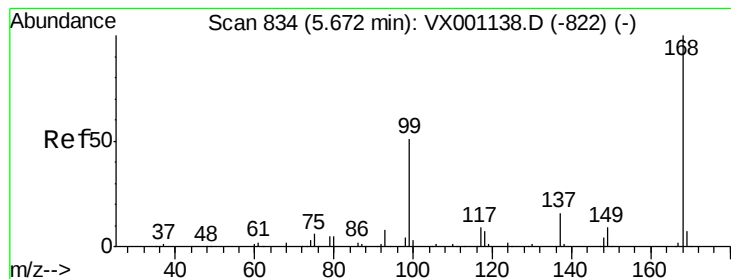
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

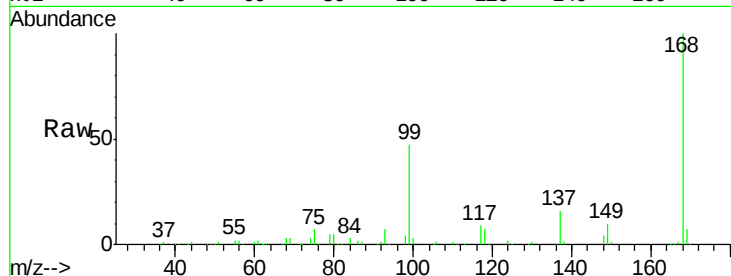
DUP-0446-180418DL

Tgt Ion:168 Resp: 191006

Ion Ratio Lower Upper

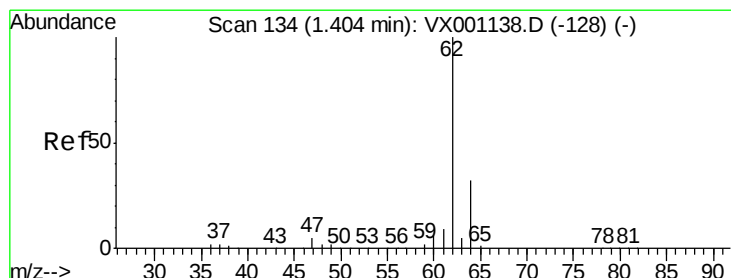
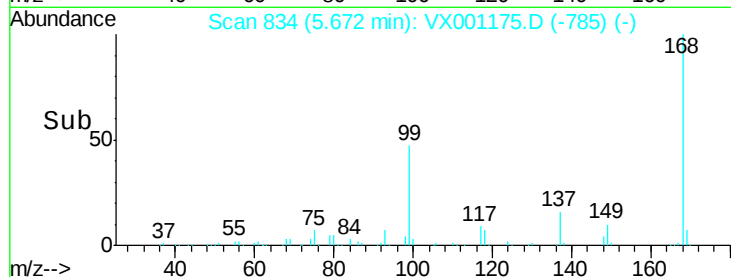
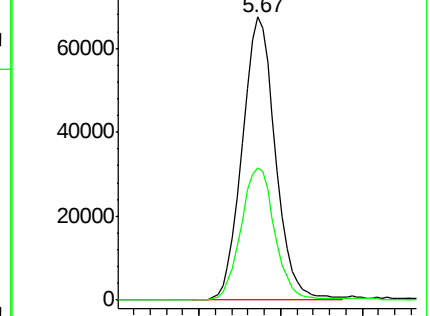
168 100

99 46.8 40.6 60.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 1.660 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX001175.D

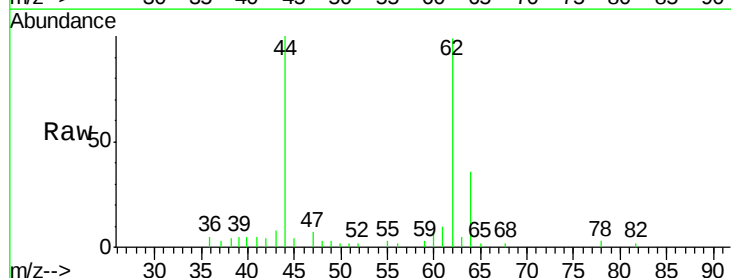
Acq: 27 Apr 2018 17:20

Tgt Ion: 62 Resp: 3694

Ion Ratio Lower Upper

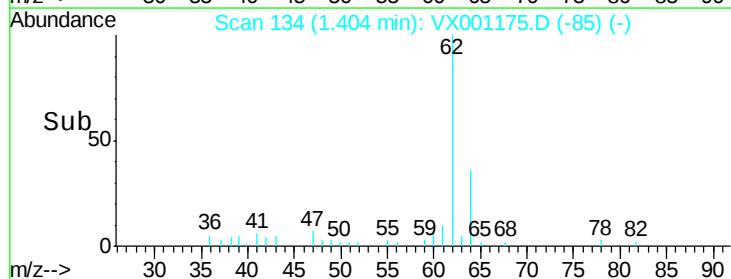
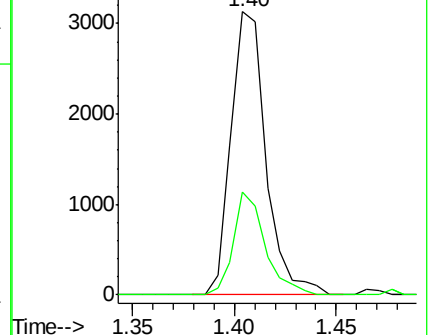
62 100

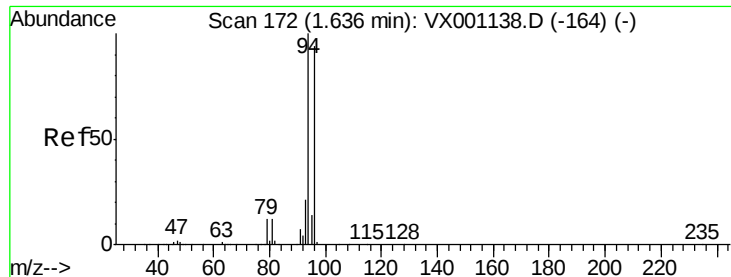
64 36.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 170

Delta R.T. -0.01 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

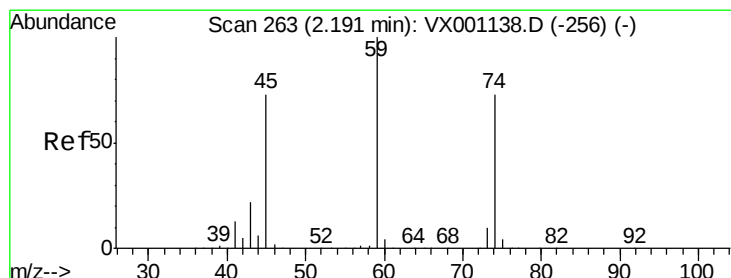
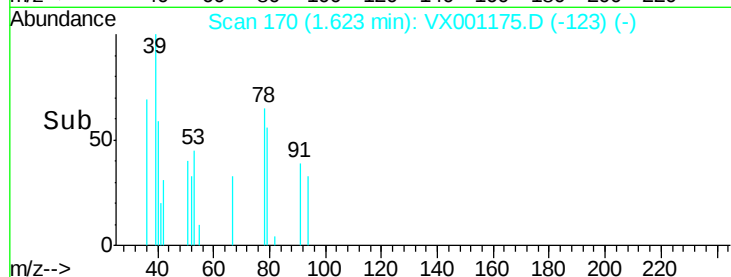
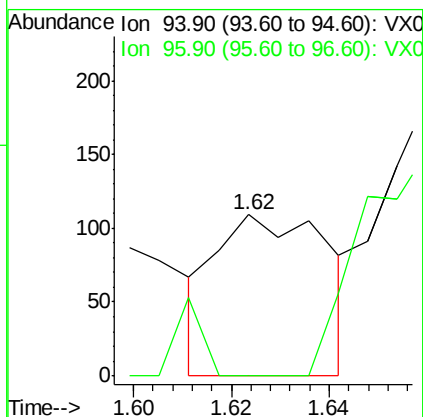
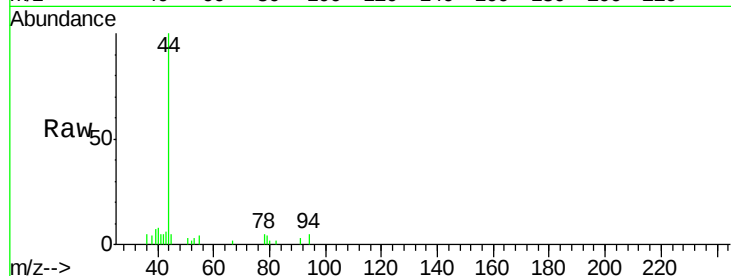
DUP-0446-180418DL

Tgt Ion: 94 Resp: 174

Ion Ratio Lower Upper

94 100

96 0.0 75.3 112.9#



#8

Diethyl Ether

Concen: 0.209 ug/l

RT: 2.20 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX001175.D

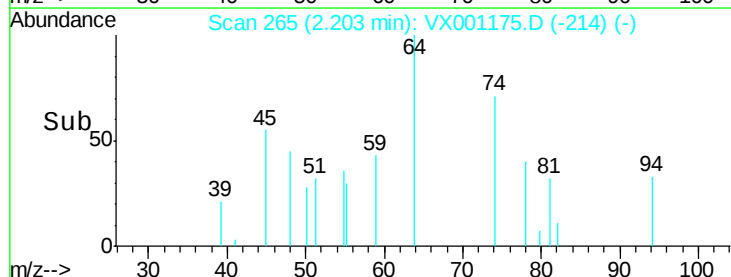
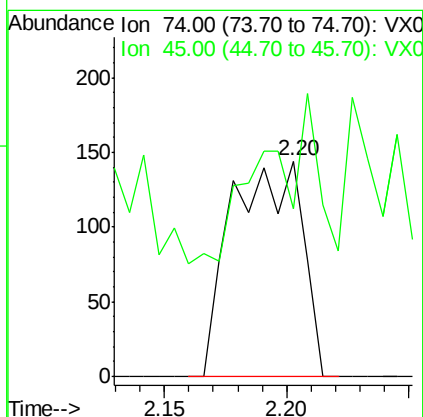
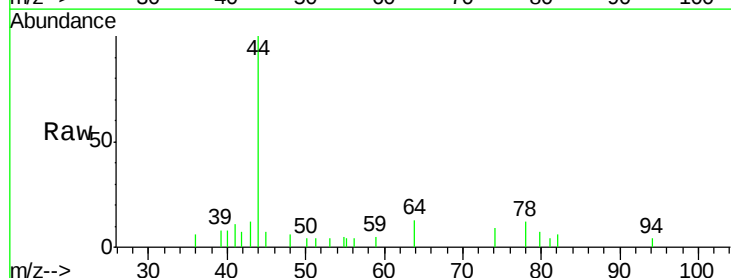
Acq: 27 Apr 2018 17:20

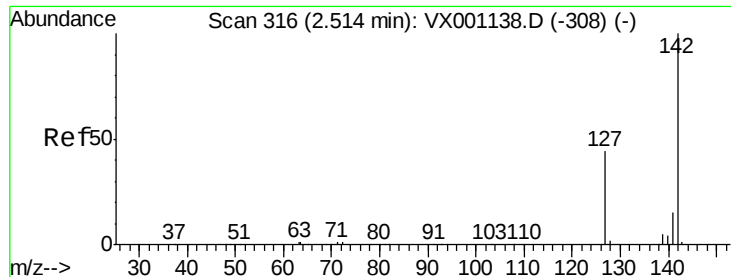
Tgt Ion: 74 Resp: 289

Ion Ratio Lower Upper

74 100

45 58.8 49.5 148.7





#10

Methyl Iodide

Concen: 7.282 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

DUP-0446-180418DL

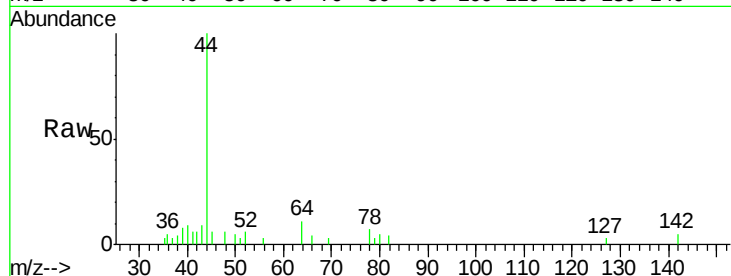
Tgt Ion:142 Resp: 104

Ion Ratio Lower Upper

142 100

127 44.2 34.7 52.1

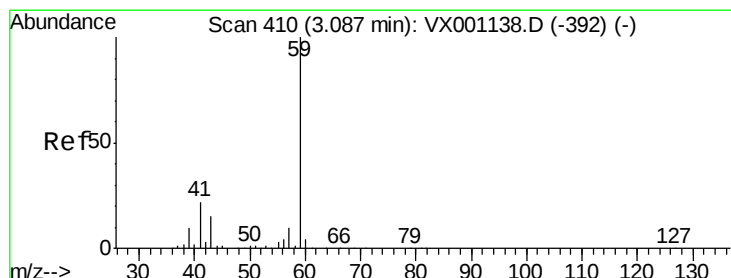
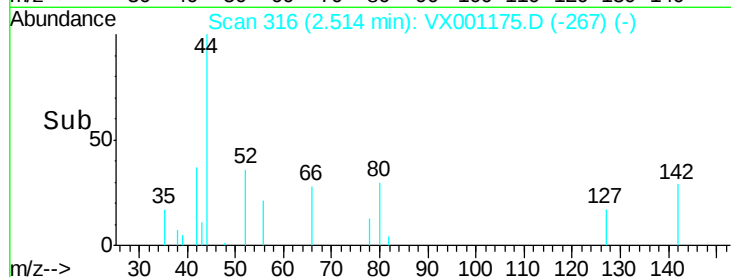
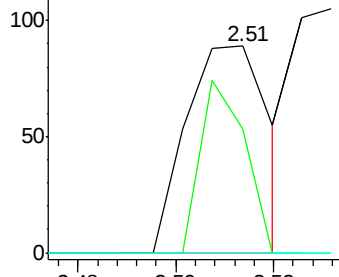
141 0.0 11.6 17.4#



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: 0.586 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001175.D

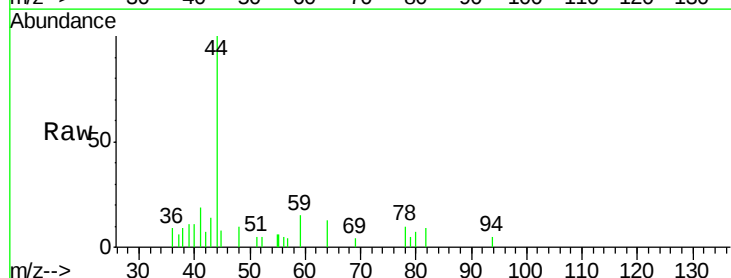
Acq: 27 Apr 2018 17:20

Tgt Ion: 59 Resp: 342

Ion Ratio Lower Upper

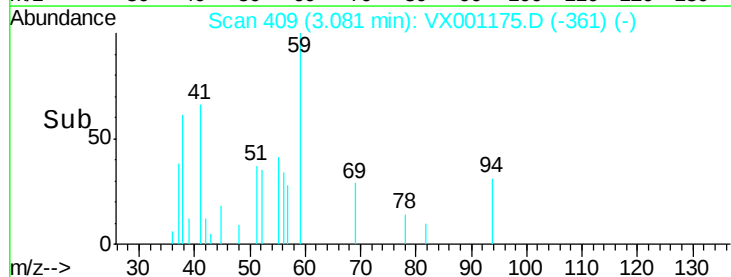
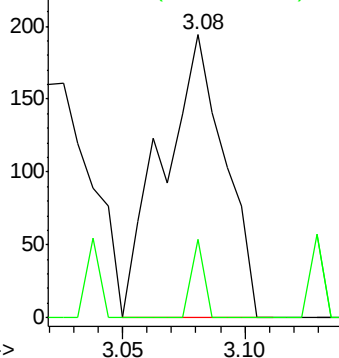
59 100

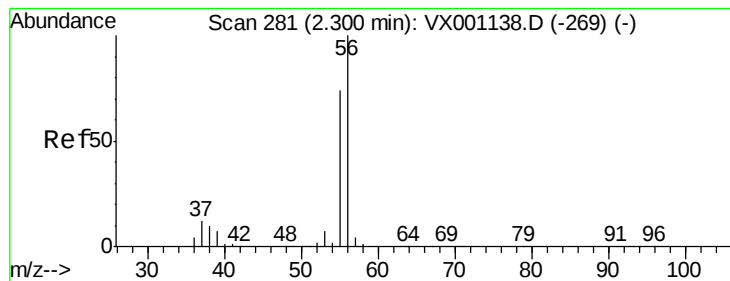
57 5.8 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.353 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

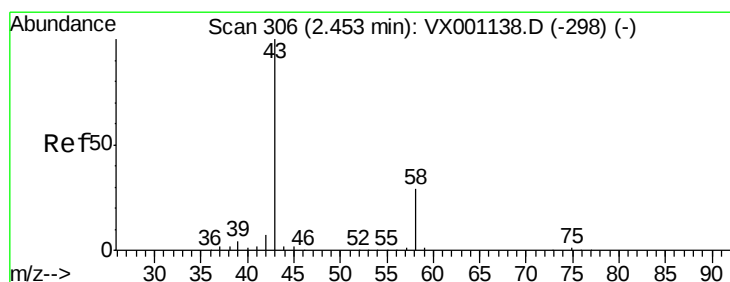
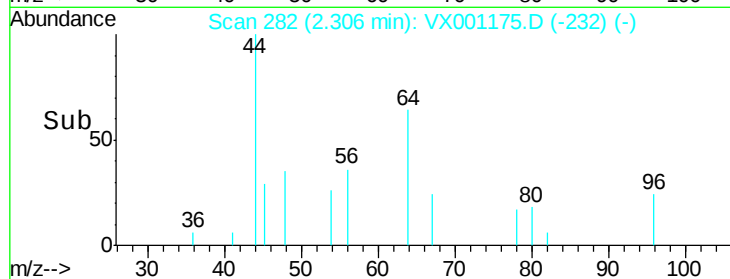
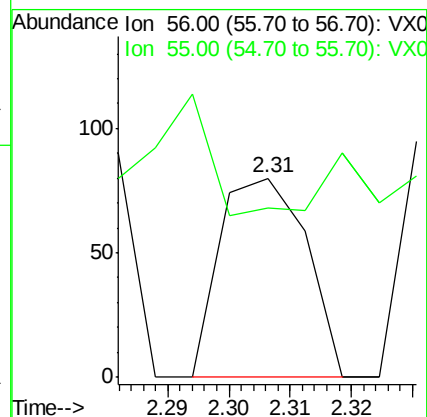
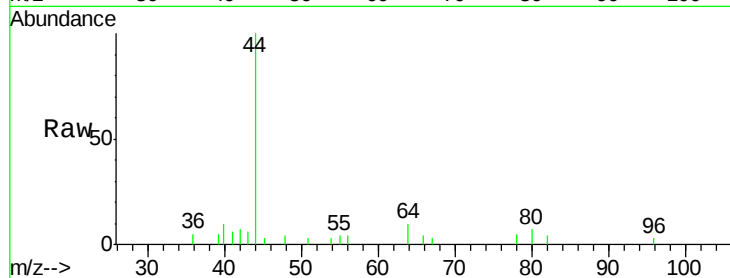
DUP-0446-180418DL

Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 124.4 57.2 85.8#



#16

Acetone

Concen: 0.657 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001175.D

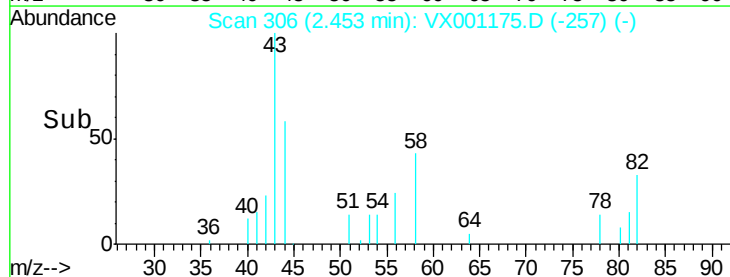
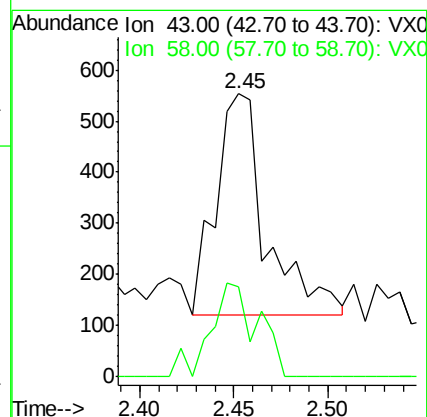
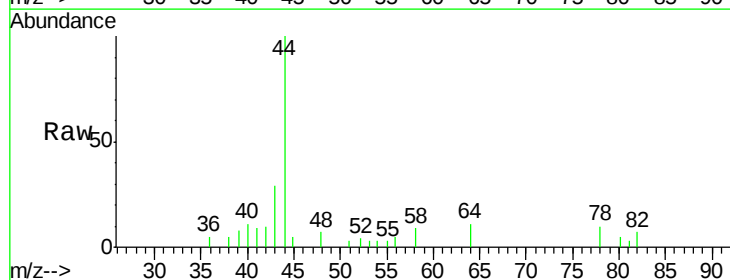
Acq: 27 Apr 2018 17:20

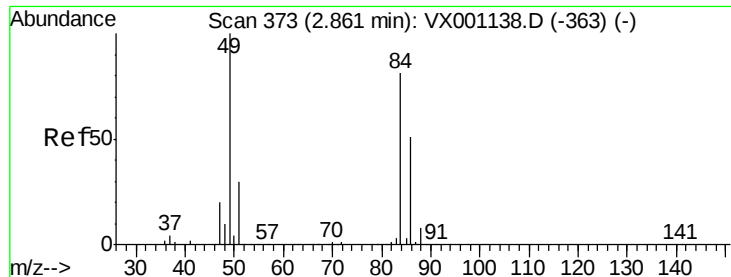
Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

43 100

58 40.5 23.0 34.6#

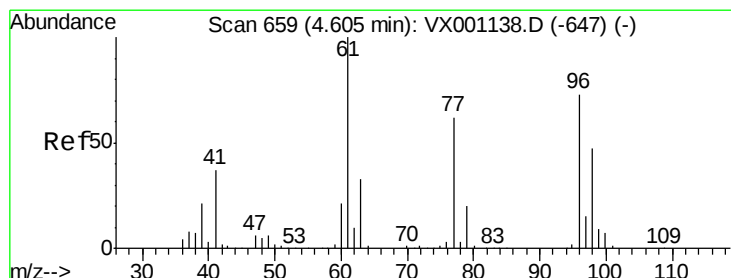
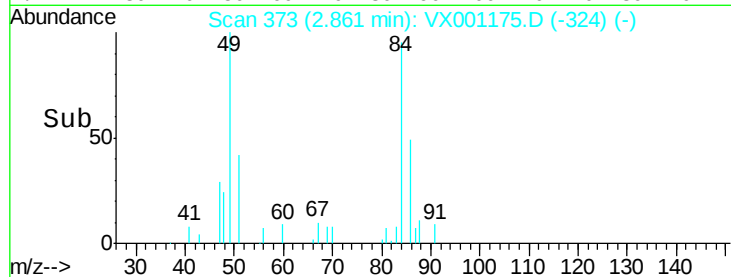
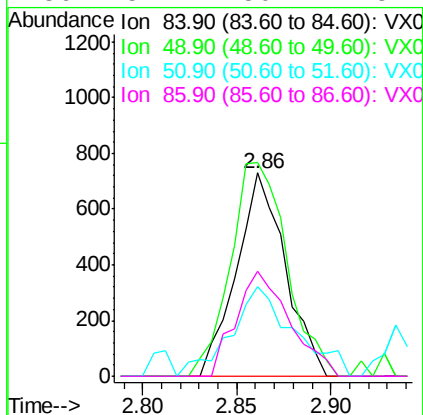
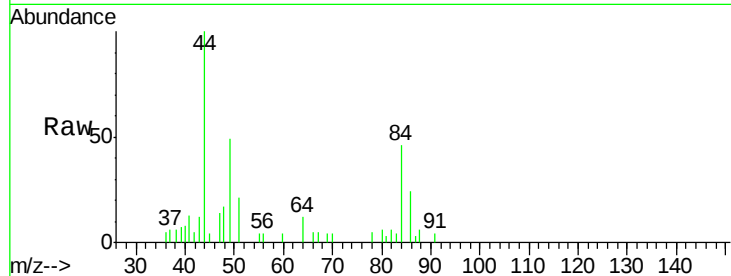




#20
Methylene Chloride
Concen: 0.577 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

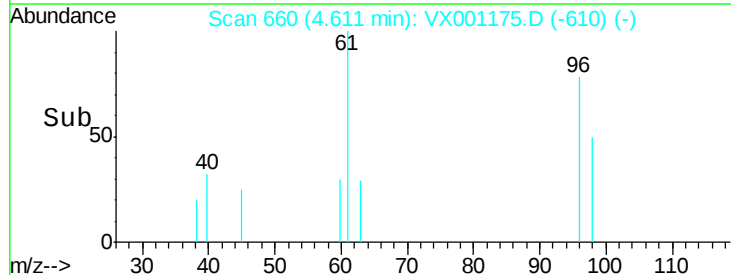
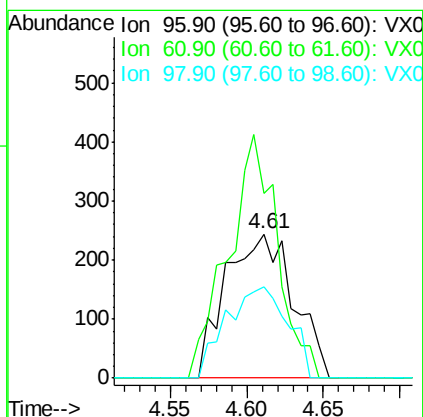
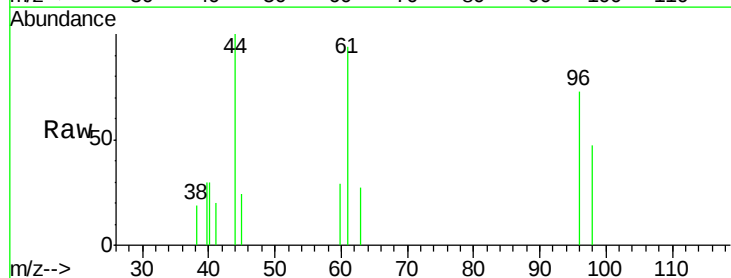
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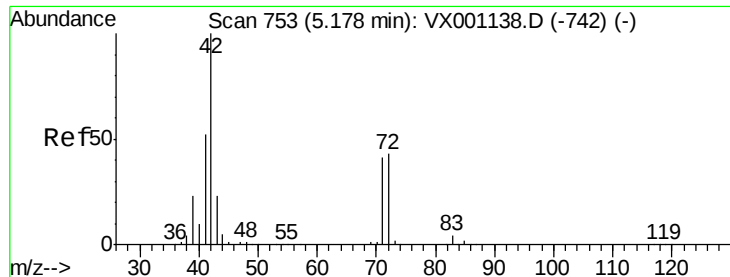
Tgt Ion: 84 Resp: 1309
Ion Ratio Lower Upper
84 100
49 105.2 99.2 148.8
51 37.2 29.5 44.3
86 51.7 50.2 75.2



#27
cis-1,2-Dichloroethene
Concen: 0.323 ug/l
RT: 4.61 min Scan# 660
Delta R.T. 0.01 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

Tgt Ion: 96 Resp: 756
Ion Ratio Lower Upper
96 100
61 122.5 0.0 289.0
98 57.3 0.0 128.2

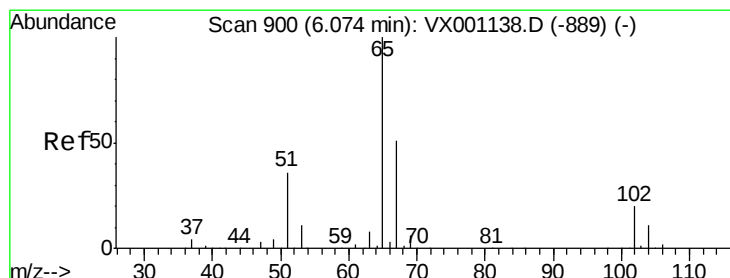
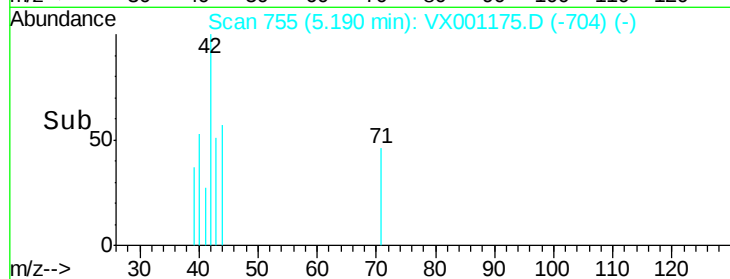
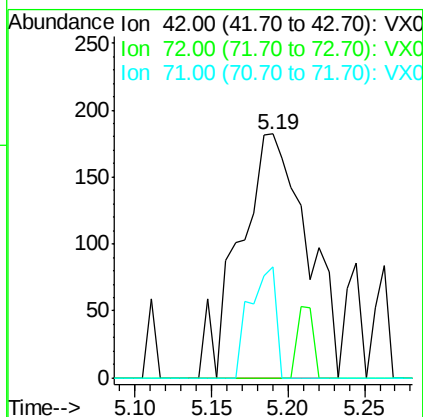
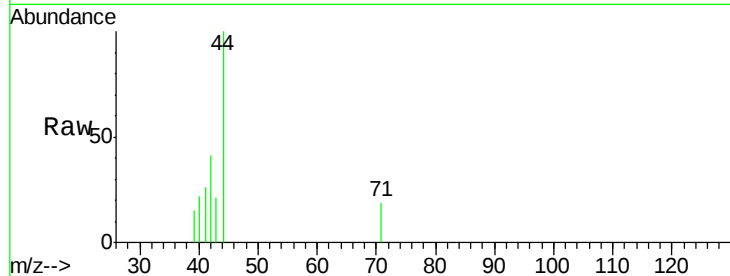




#29
Tetrahydrofuran
Concen: 0.475 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

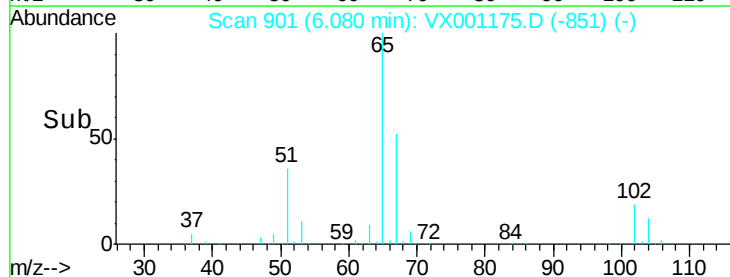
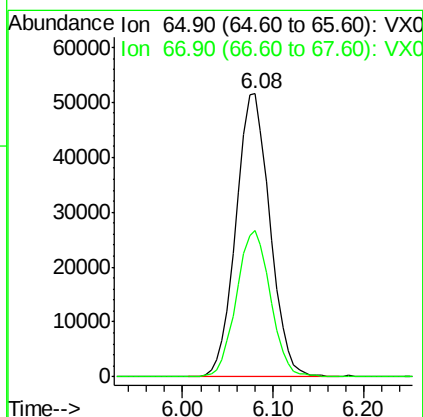
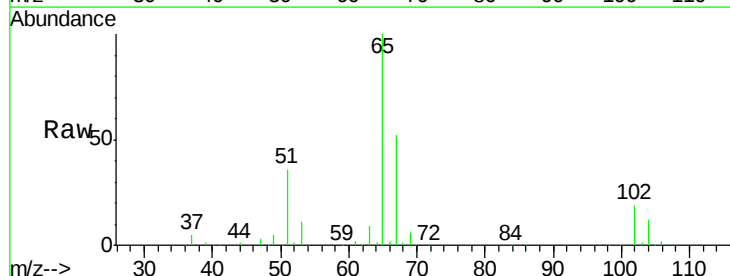
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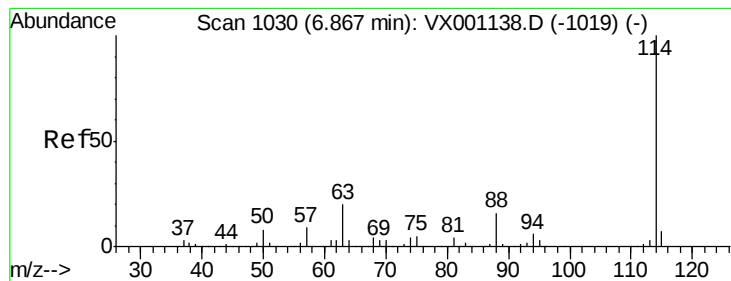
Tgt Ion: 42 Resp: 556
Ion Ratio Lower Upper
42 100
72 6.8 34.4 51.6#
71 17.8 32.1 48.1#



#33
1,2-Dichloroethane-d4
Concen: 45.376 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

Tgt Ion: 65 Resp: 134350
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

DUP-0446-180418DL

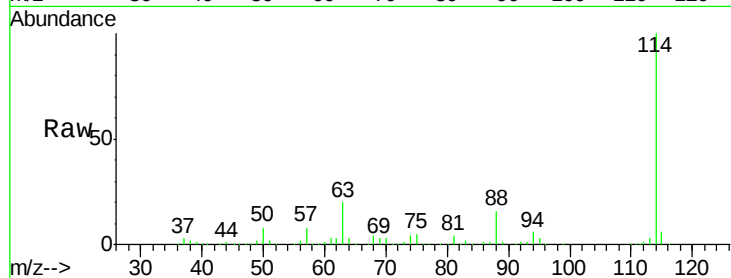
Tgt Ion:114 Resp: 260607

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.4

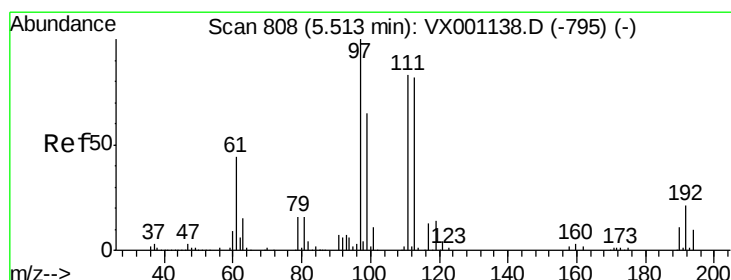
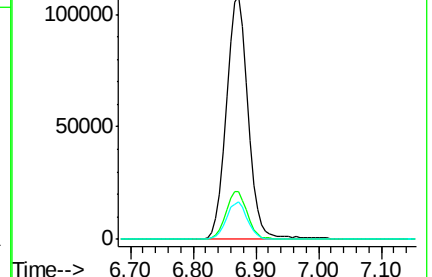
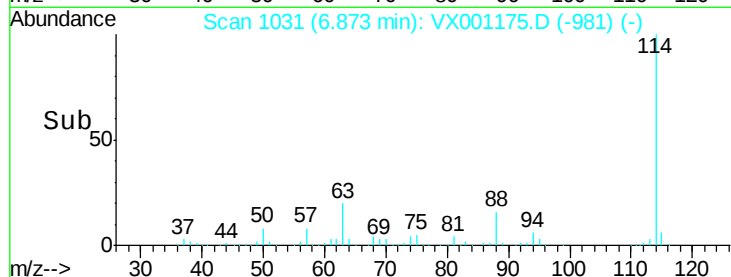
88 15.6 0.0 31.8



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: 48.994 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

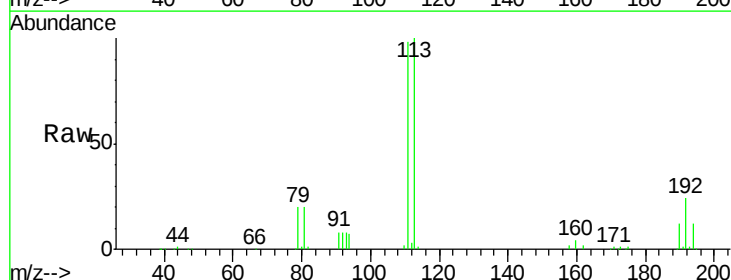
Tgt Ion:113 Resp: 105683

Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

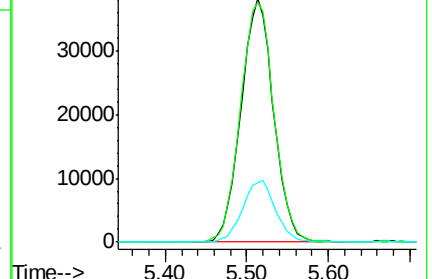
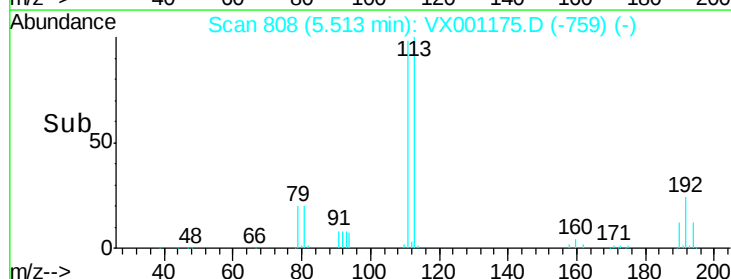
192 25.4 20.6 30.8

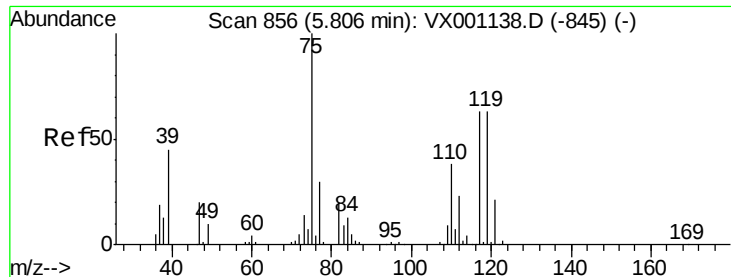


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

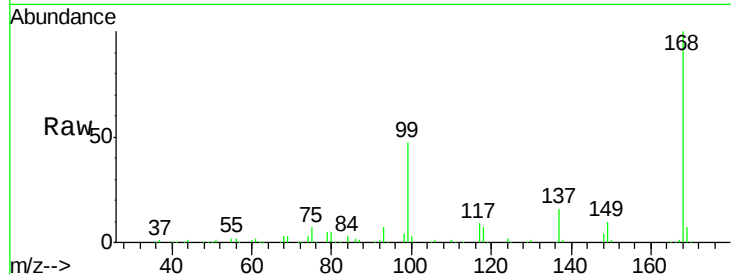




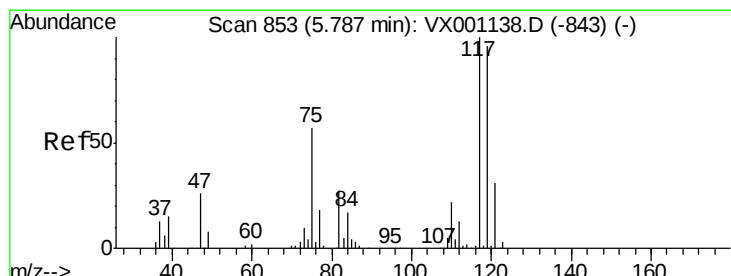
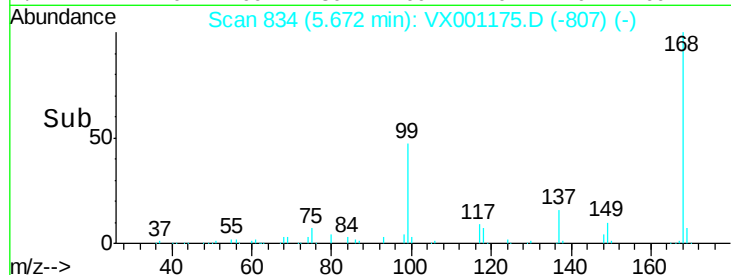
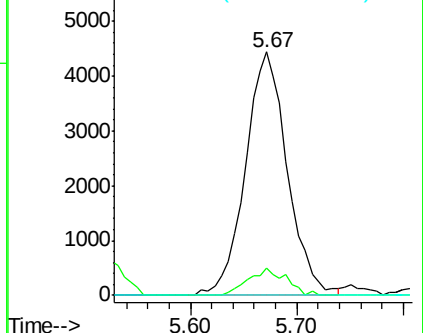
#36
 1,1-Dichloropropene
 Concen: 4.261 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001175.D
 Acq: 27 Apr 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0446-180418DL

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	19.0	57.0#
77	0.0	24.8	37.2#

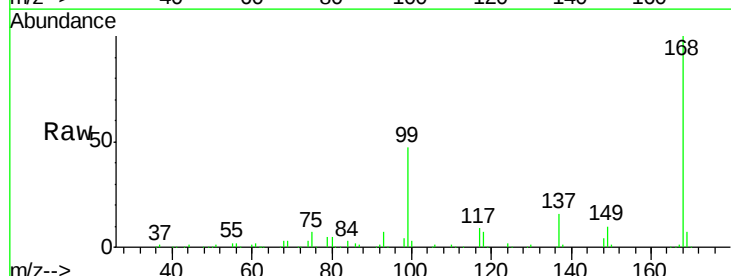


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

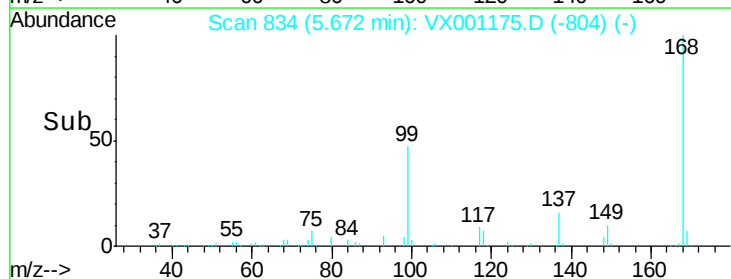
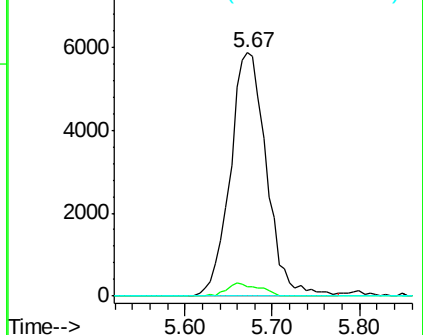


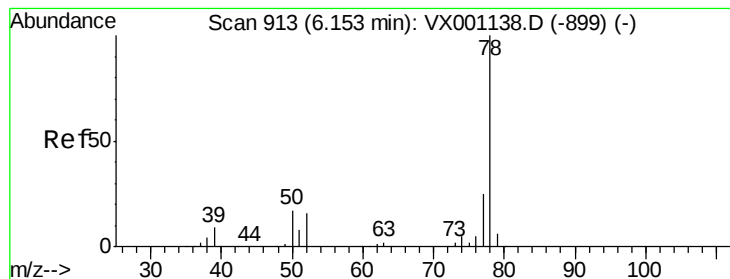
#38
 Carbon Tetrachloride
 Concen: 5.735 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX001175.D
 Acq: 27 Apr 2018 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	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





#40

Benzene

Concen: 4.355 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.00 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

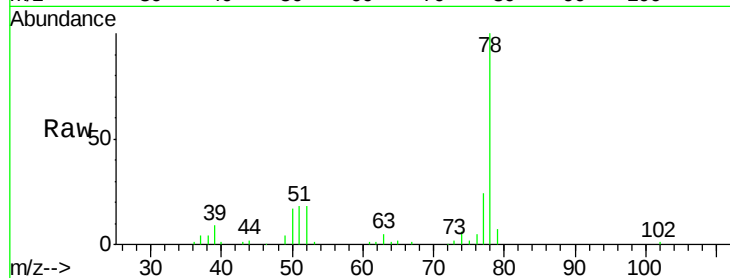
DUP-0446-180418DL

Tgt Ion: 78 Resp: 36181

Ion Ratio Lower Upper

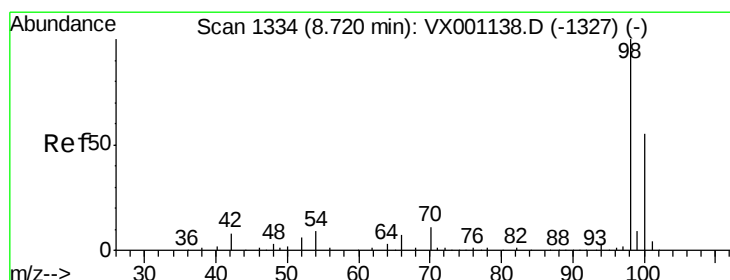
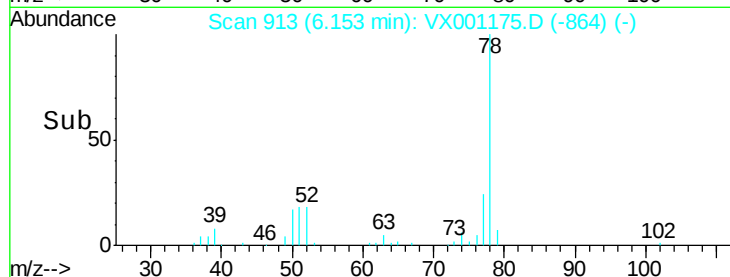
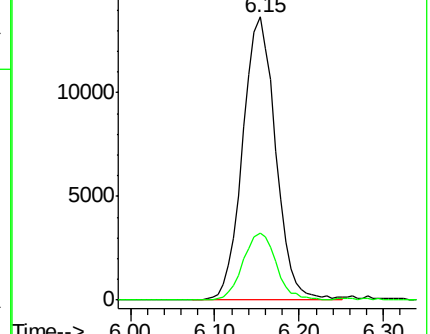
78 100

77 23.7 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: 49.784 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001175.D

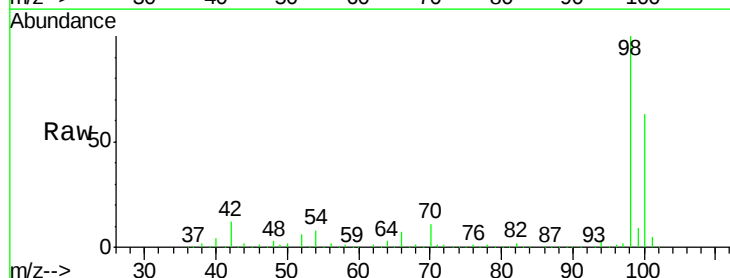
Acq: 27 Apr 2018 17:20

Tgt Ion: 98 Resp: 405255

Ion Ratio Lower Upper

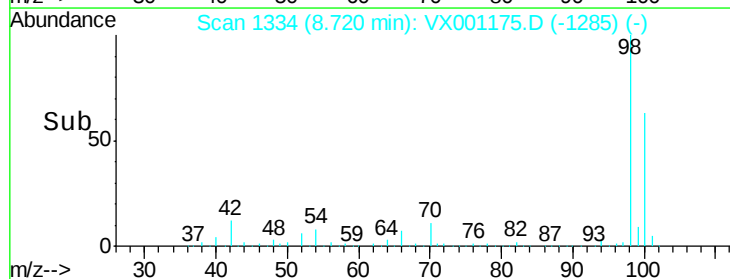
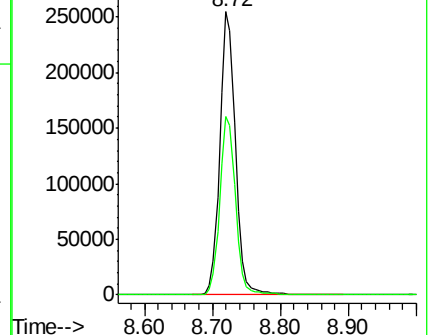
98 100

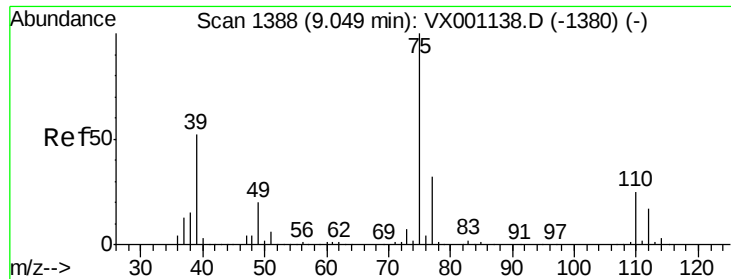
100 63.7 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

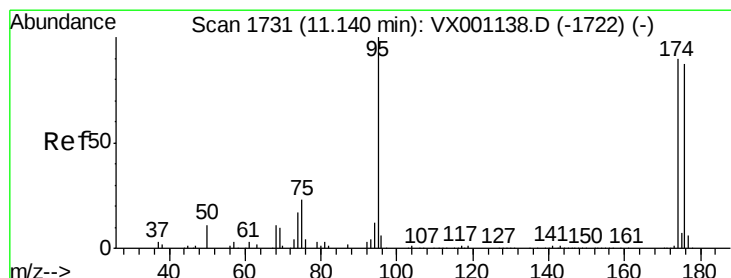
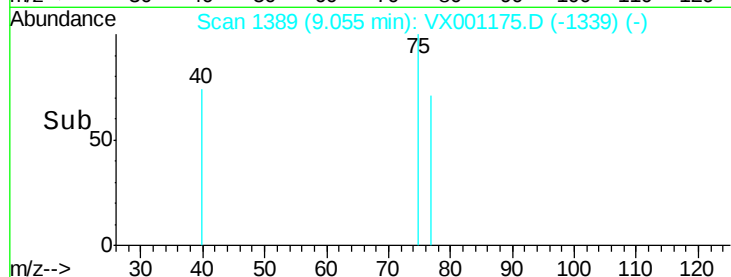
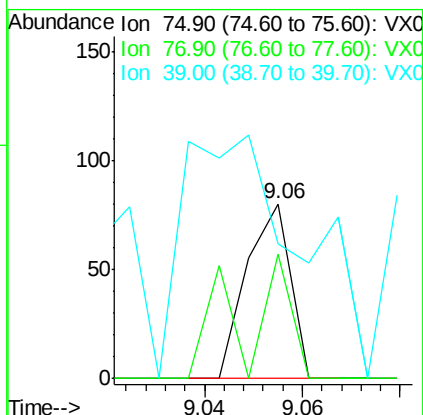
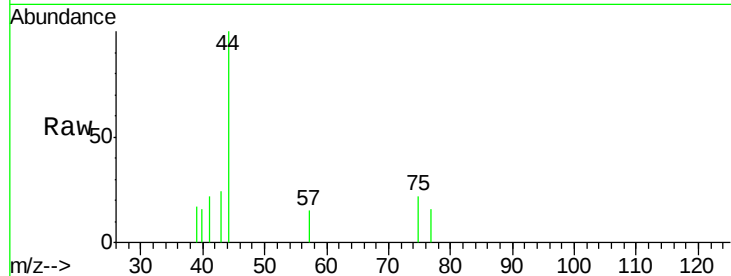




#54
 cis-1,3-Dichloropropene
 Concen: 3.200 ug/l
 RT: 9.06 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: VX001175.D
 Acq: 27 Apr 2018 17:20

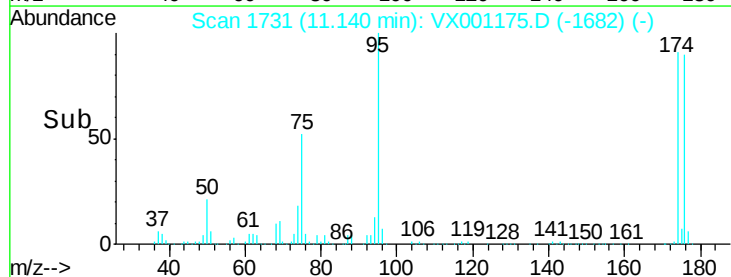
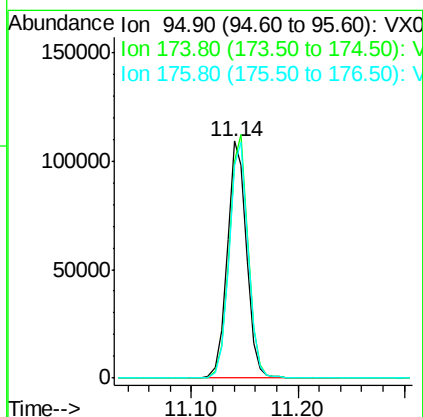
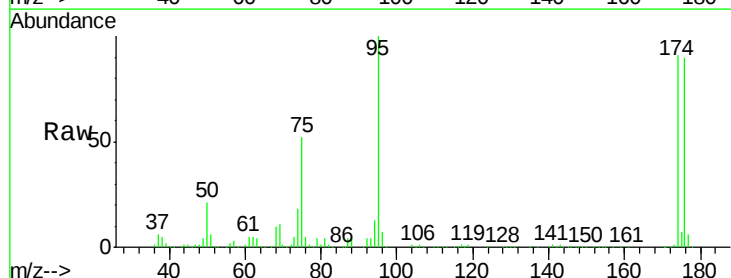
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0446-180418DL

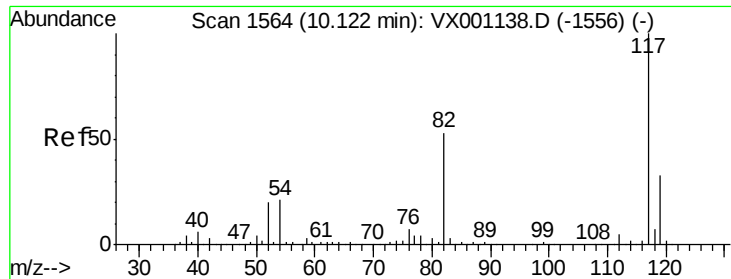
Tgt Ion: 75 Resp: 49
 Ion Ratio Lower Upper
 75 100
 77 71.3 25.4 38.2#
 39 0.0 42.0 63.0#



#62
 4-Bromofluorobenzene
 Concen: 43.233 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX001175.D
 Acq: 27 Apr 2018 17:20

Tgt Ion: 95 Resp: 137482
 Ion Ratio Lower Upper
 95 100
 174 101.5 0.0 194.4
 176 98.7 0.0 190.2

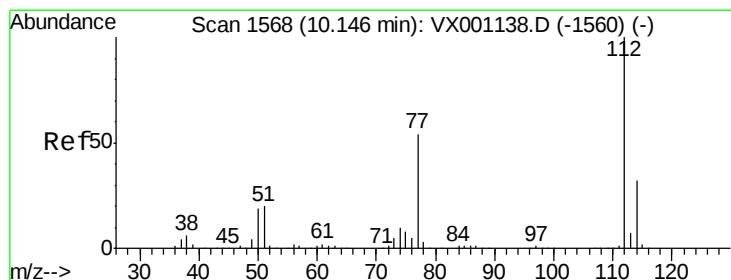
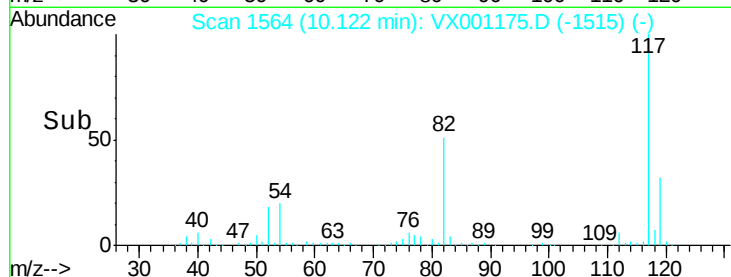
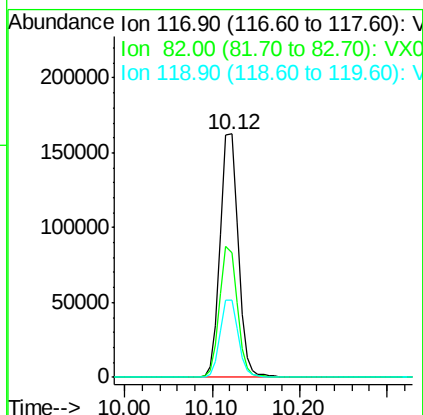
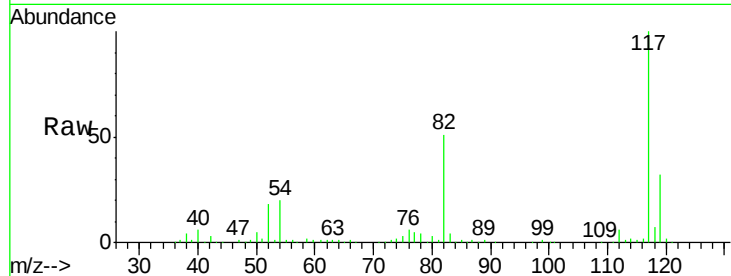




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

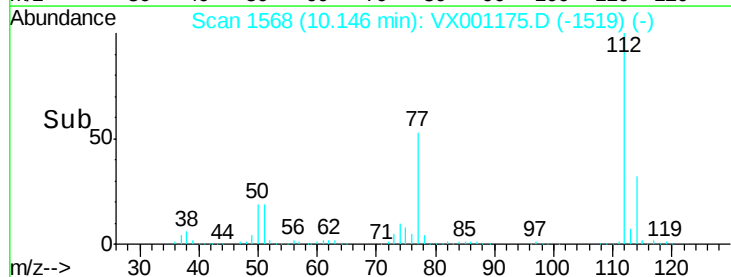
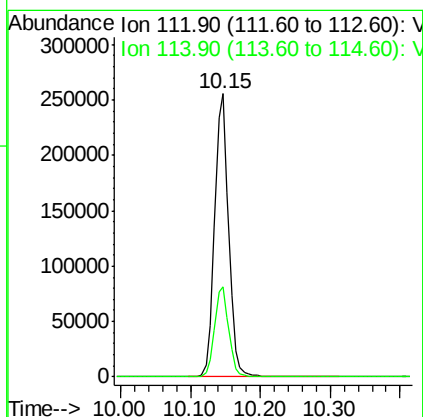
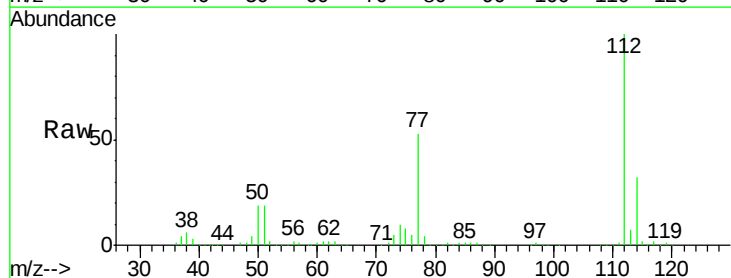
Instrument :
MSVOA_X
ClientSampleId :
DUP-0446-180418DL

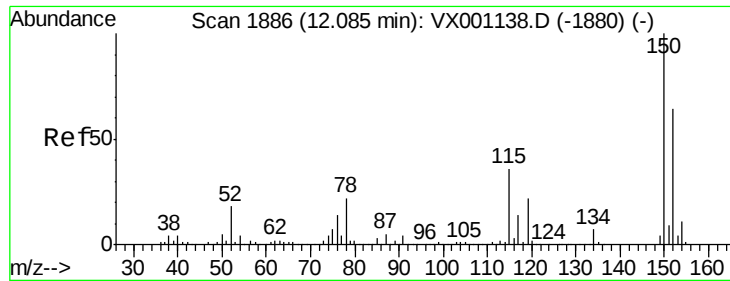
Tgt Ion:117 Resp: 232706
Ion Ratio Lower Upper
117 100
82 51.2 42.1 63.1
119 31.8 26.1 39.1



#65
Chlorobenzene
Concen: 58.085 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

Tgt Ion:112 Resp: 354132
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001175.D

Acq: 27 Apr 2018 17:20

Instrument :

MSVOA_X

ClientSampleId :

DUP-0446-180418DL

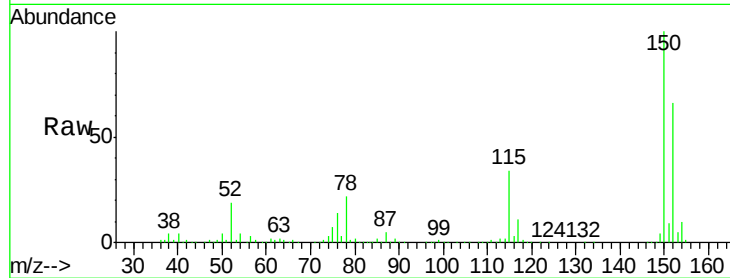
Tgt Ion:152 Resp: 130585

Ion Ratio Lower Upper

152 100

115 52.6 38.0 114.0

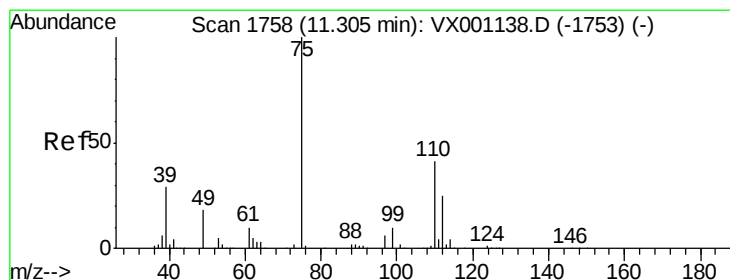
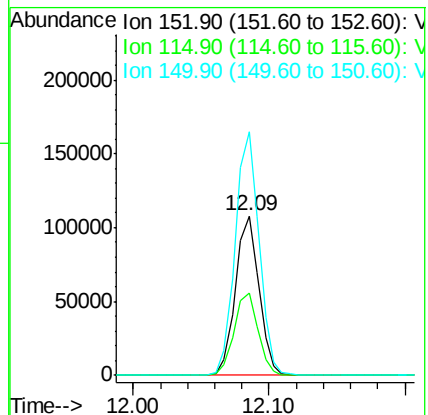
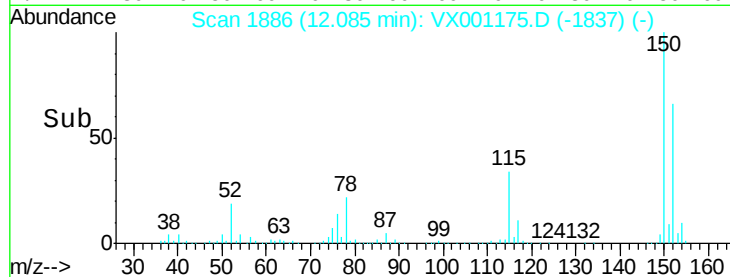
150 154.3 0.0 349.6



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



#76

1,2,3-Trichloropropane

Concen: 26.733 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001175.D

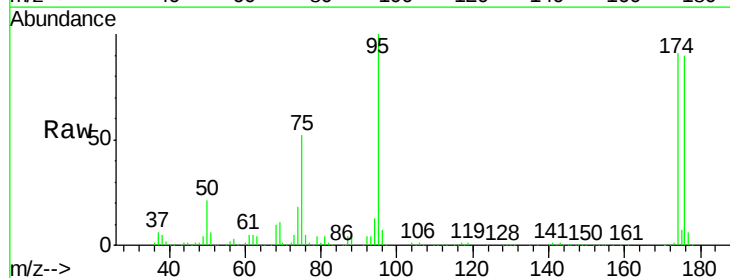
Acq: 27 Apr 2018 17:20

Tgt Ion: 75 Resp: 71084

Ion Ratio Lower Upper

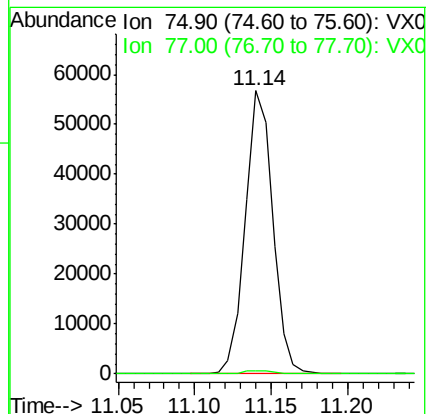
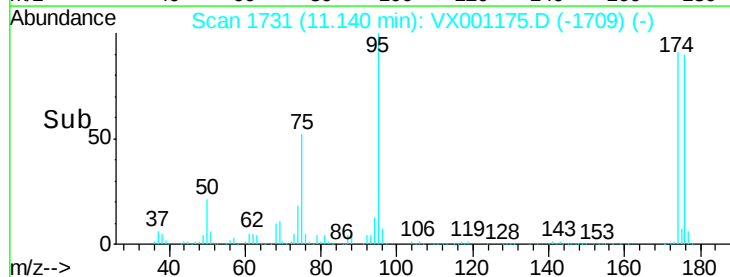
75 100

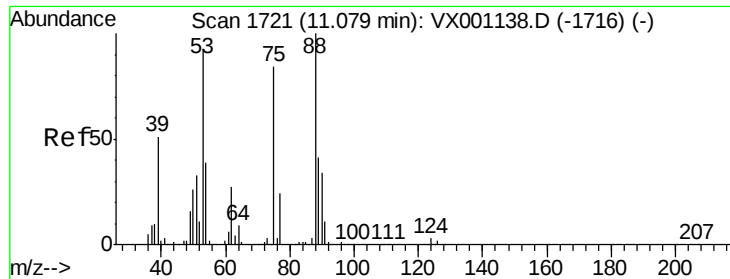
77 1.3 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

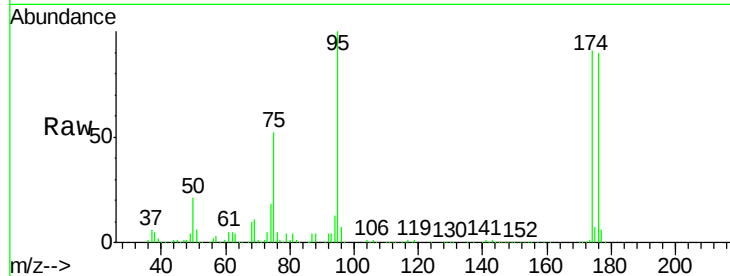




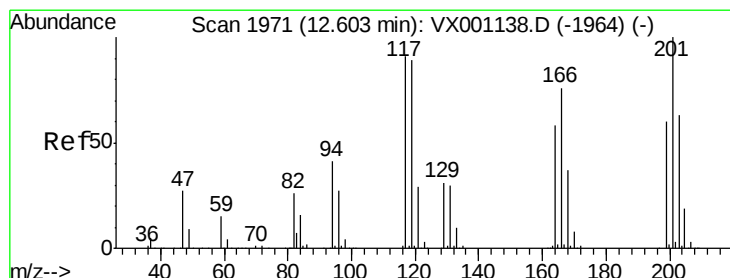
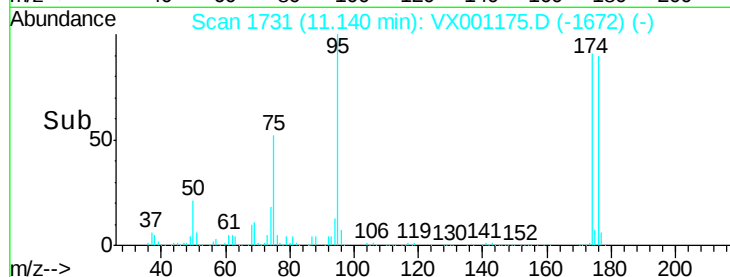
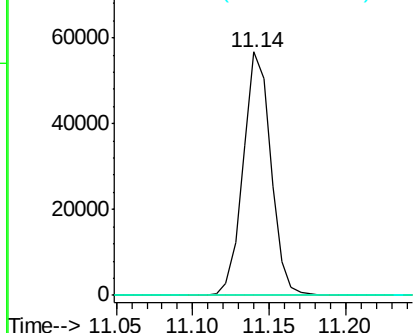
#81
trans-1,4-Dichloro-2-butene
Concen: 81.386 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

Instrument :
MSVOA_X
ClientSampleId :
DUP-0446-180418DL

Tgt Ion: 75 Resp: 71084
Ion Ratio Lower Upper
75 100
53 0.1 87.9 131.9#
89 0.0 37.7 56.5#

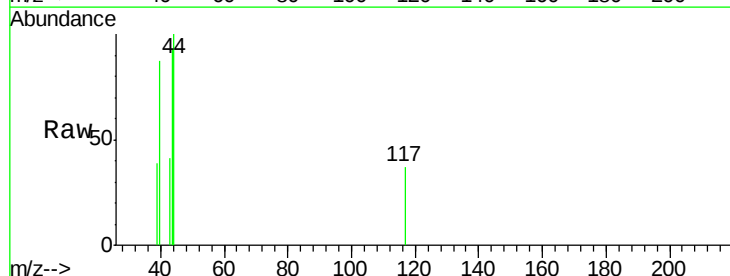


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0

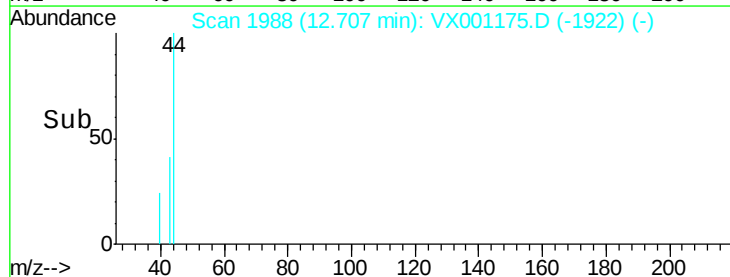
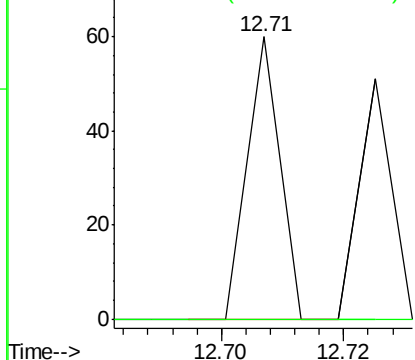


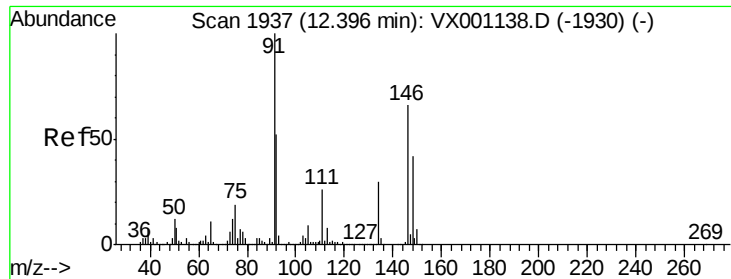
#90
Hexachloroethane
Concen: 3.393 ug/l
RT: 12.71 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VX001175.D
Acq: 27 Apr 2018 17:20

Tgt Ion: 117 Resp: 22
Ion Ratio Lower Upper
117 100
201 0.0 51.8 155.4#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91
 1,2-Dichlorobenzene
 Concen: 0.373 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX001175.D
 Acq: 27 Apr 2018 17:20

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0446-180418DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.3
148	57.9	32.2	96.6

