

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041418\
 Data File : VX000873.D
 Acq On : 14 Apr 2018 14:34
 Operator : JC/MD
 Sample : J2353-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0440-180410

Quant Time: Apr 16 05:50:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	335519	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	194417	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	145765	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	5.52	113	119186	46.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.22%	
50) Toluene-d8	8.72	98	460944	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
62) 4-Bromofluorobenzene	11.15	95	175706	44.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.24%	

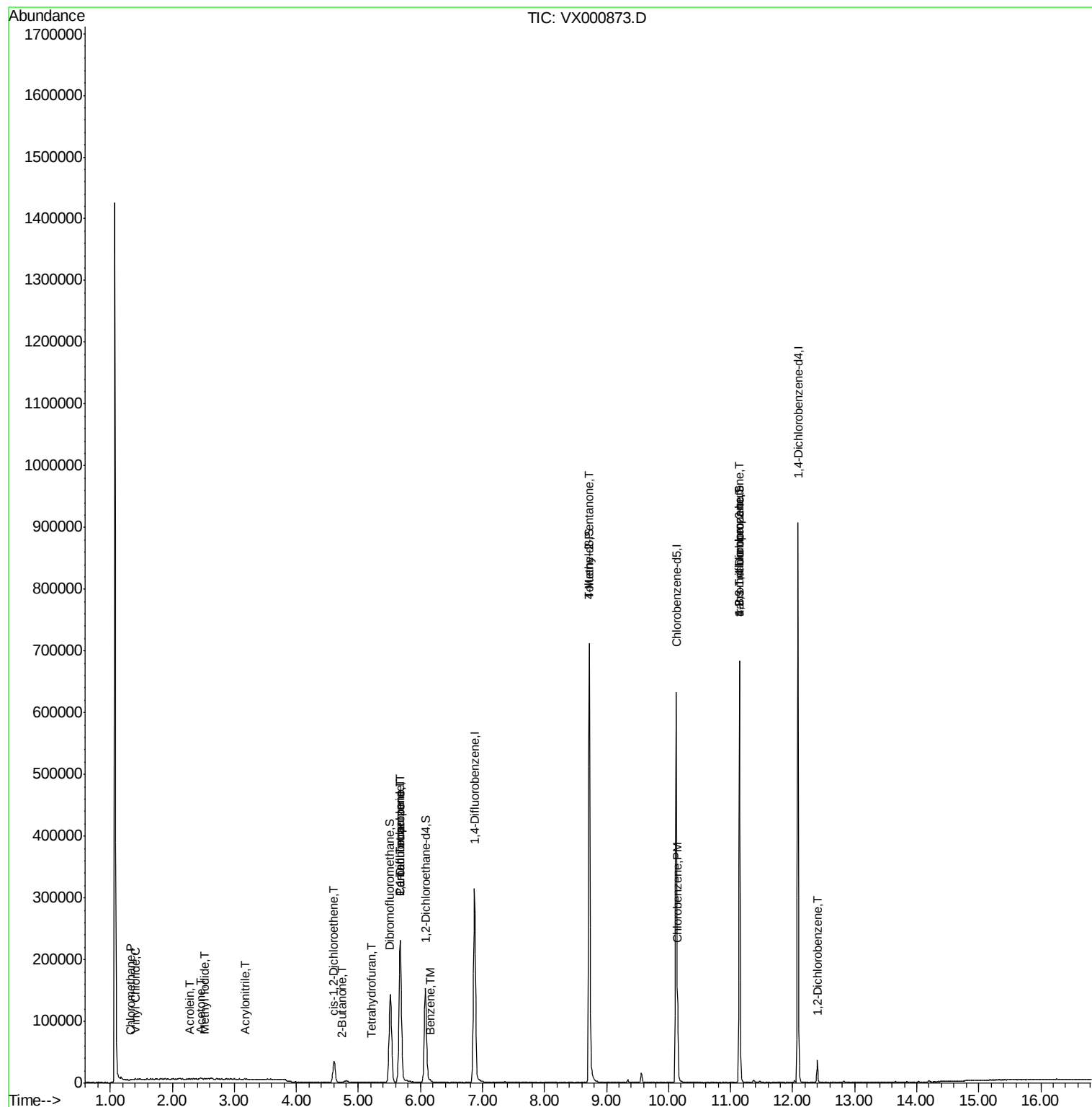
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	668	0.28	ug/l #	72
4) Vinyl Chloride	1.40	62	1493	0.55	ug/l	97
5) Bromomethane	1.65	94	387	Below Cal		86
10) Methyl Iodide	2.51	142	197	8.32	ug/l #	83
13) Acrolein	2.29	56	286	1.06	ug/l #	32
15) Acrylonitrile	3.16	53	256	0.22	ug/l #	19
16) Acetone	2.45	43	1215	1.12	ug/l #	75
25) 2-Butanone	4.74	43	384	0.21	ug/l #	50
27) cis-1,2-Dichloroethene	4.61	96	22164	7.75	ug/l	89
29) Tetrahydrofuran	5.20	42	386	0.34	ug/l #	33
36) 1,1-Dichloropropene	5.67	75	14843	4.02	ug/l #	49
38) Carbon Tetrachloride	5.68	117	21231	5.13	ug/l #	14
40) Benzene	6.16	78	4593	0.45	ug/l #	90
51) 4-Methyl-2-Pentanone	8.72	43	2118	0.58	ug/l #	1
65) Chlorobenzene	10.15	112	46735	6.16	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	86168	25.70	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	86168	70.69	ug/l #	11
91) 1,2-Dichlorobenzene	12.40	146	11906	1.84	ug/l	99

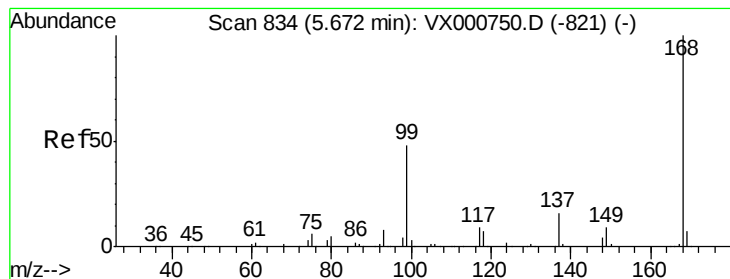
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

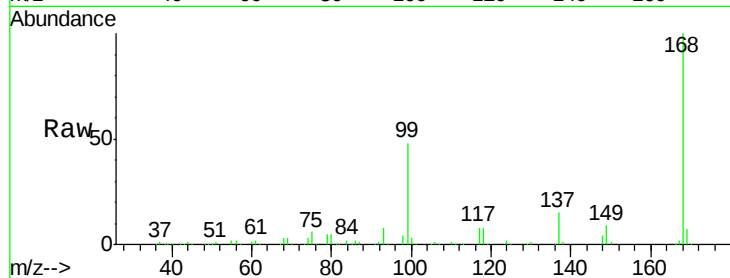
DUP-0440-180410

Tgt Ion: 168 Resp: 249015

Ion Ratio Lower Upper

168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

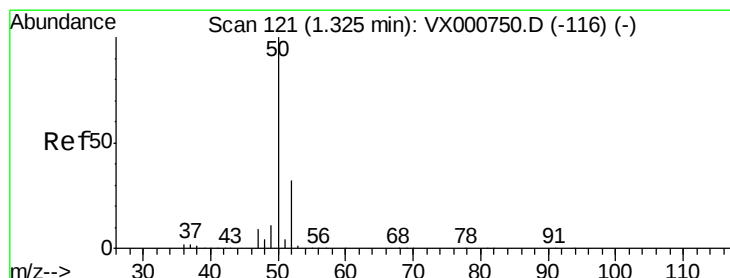
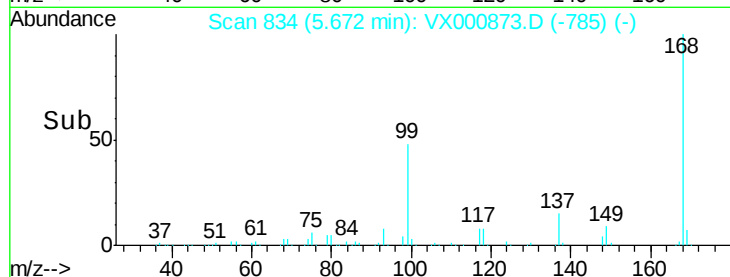
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.28 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000873.D

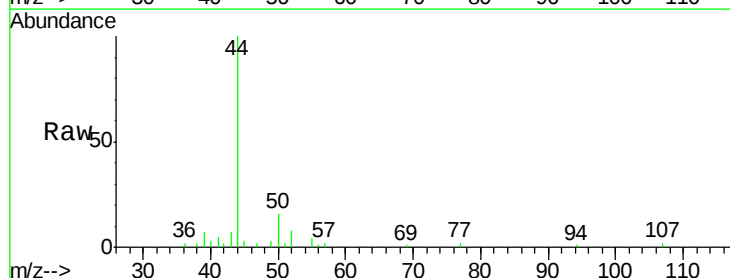
Acq: 14 Apr 2018 14:34

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

50 100

52 48.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

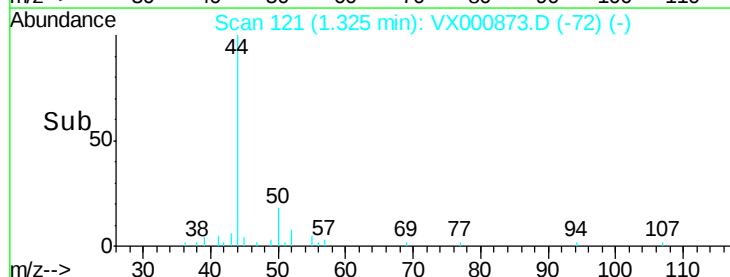
600

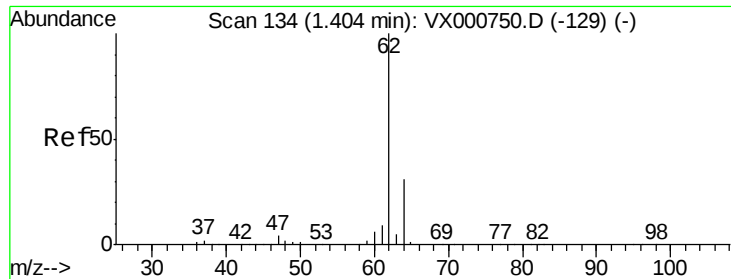
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.55 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

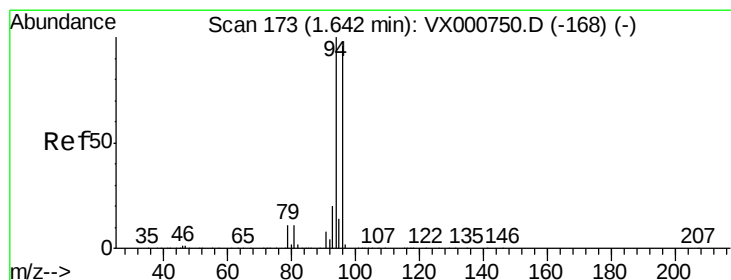
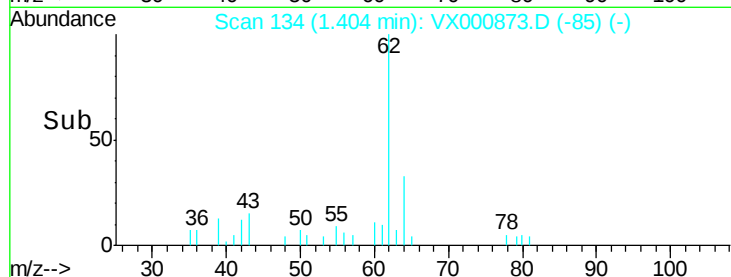
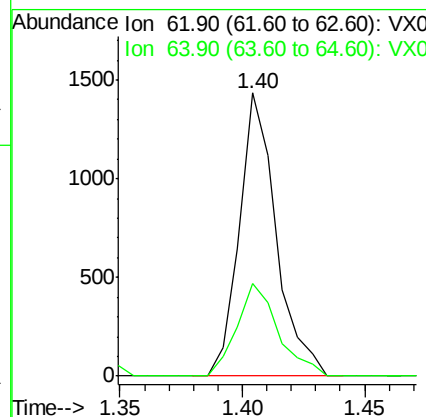
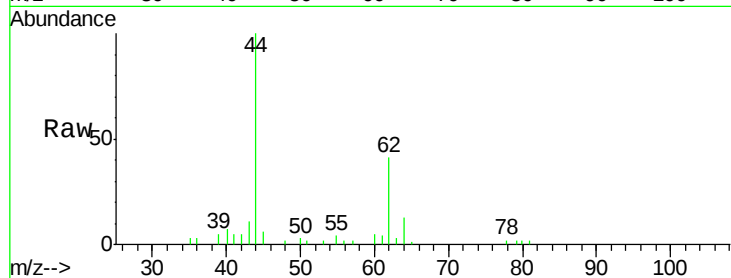
DUP-0440-180410

Tgt Ion: 62 Resp: 1493

Ion Ratio Lower Upper

62 100

64 32.6 24.6 36.8



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000873.D

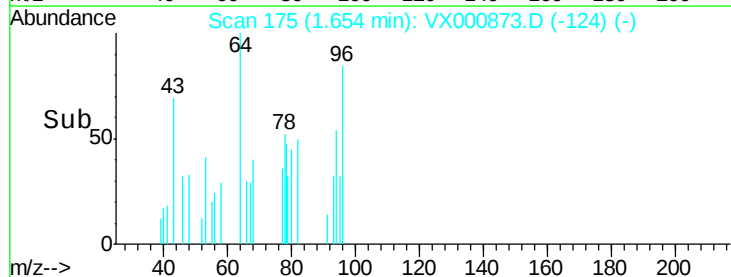
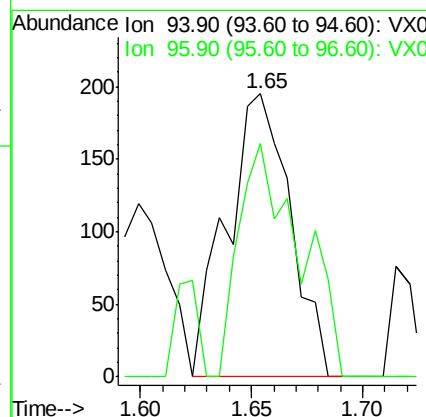
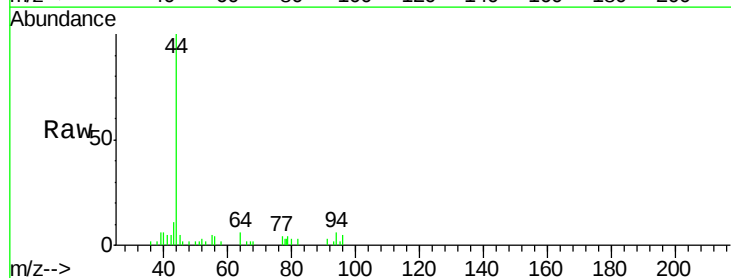
Acq: 14 Apr 2018 14:34

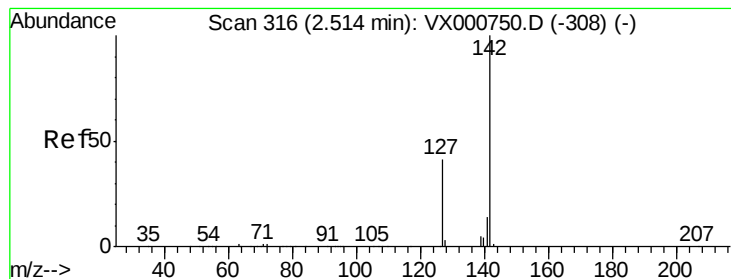
Tgt Ion: 94 Resp: 387

Ion Ratio Lower Upper

94 100

96 82.6 77.0 115.6





#10

Methyl Iodide

Concen: 8.32 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-0440-180410

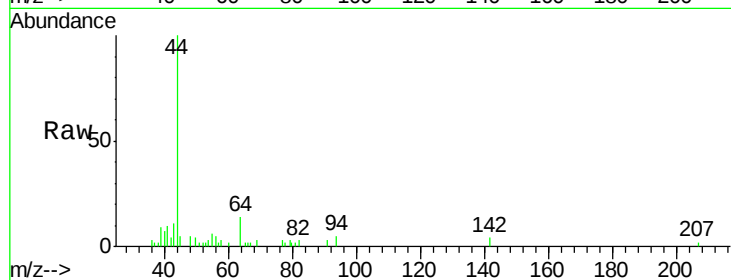
Tgt Ion:142 Resp: 197

Ion Ratio Lower Upper

142 100

127 34.0 32.6 49.0

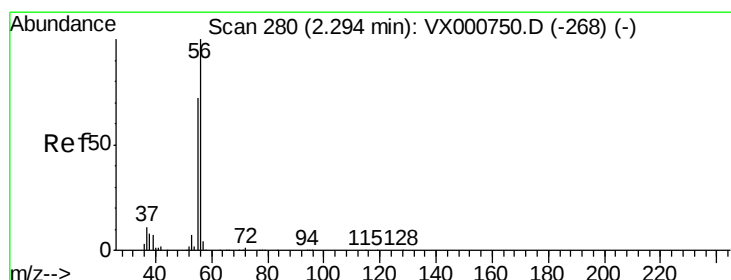
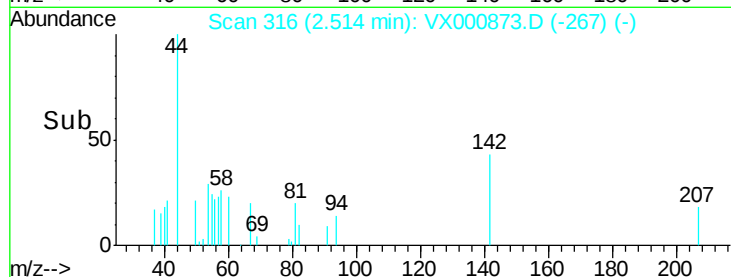
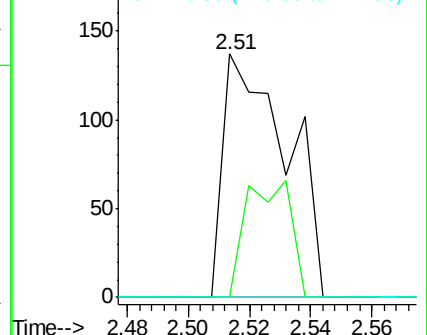
141 0.0 11.5 17.3#



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



#13

Acrolein

Concen: 1.06 ug/l

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX000873.D

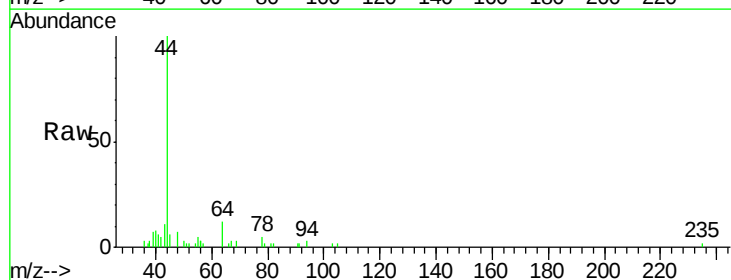
Acq: 14 Apr 2018 14:34

Tgt Ion: 56 Resp: 286

Ion Ratio Lower Upper

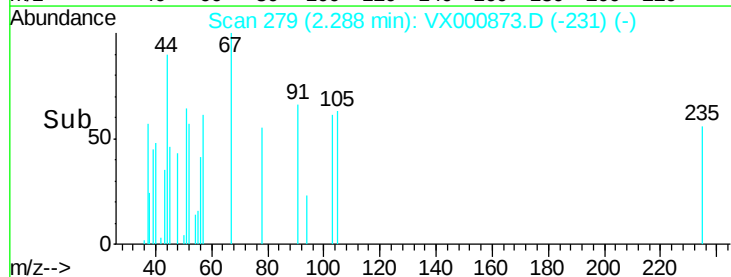
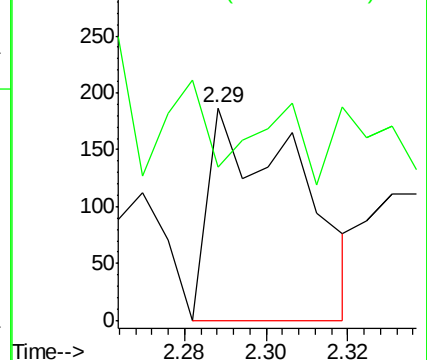
56 100

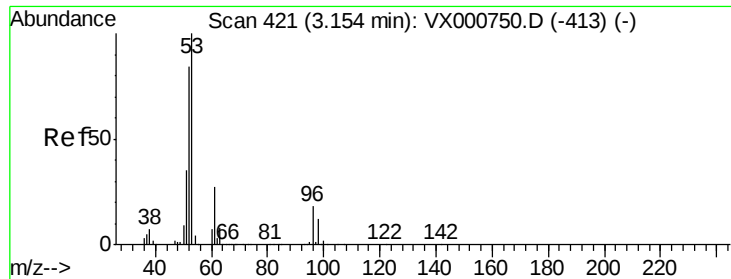
55 15.7 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acrylonitrile

Concen: 0.22 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-0440-180410

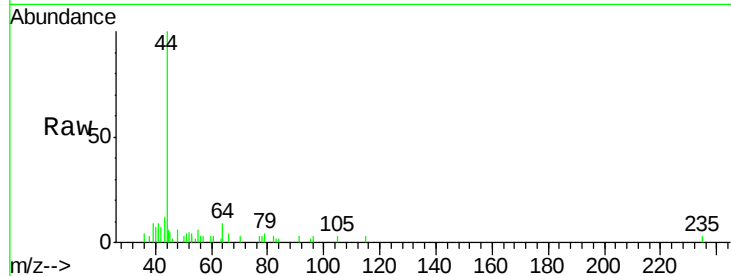
Tgt Ion: 53 Resp: 256

Ion Ratio Lower Upper

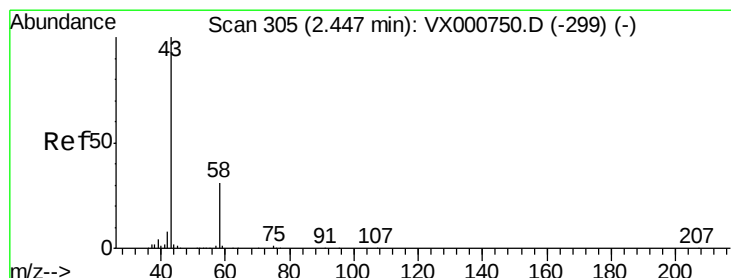
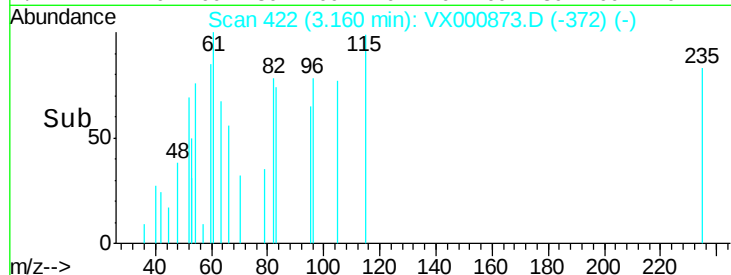
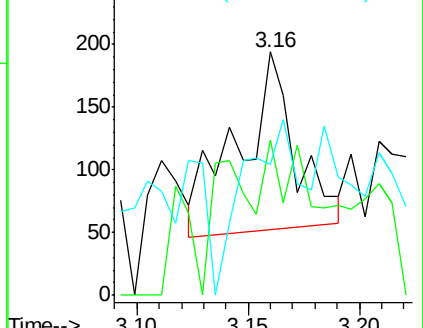
53 100

52 19.9 66.5 99.7#

51 98.8 28.8 43.2#



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: 1.12 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000873.D

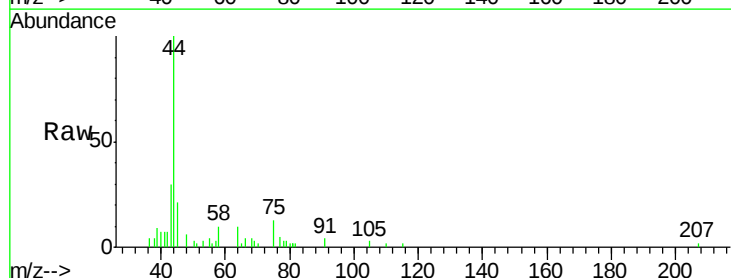
Acq: 14 Apr 2018 14:34

Tgt Ion: 43 Resp: 1215

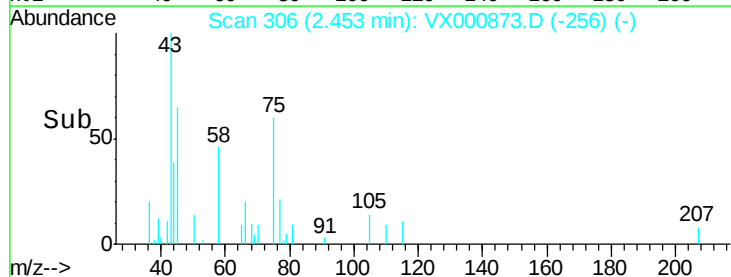
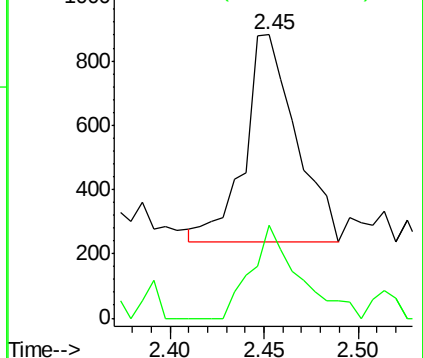
Ion Ratio Lower Upper

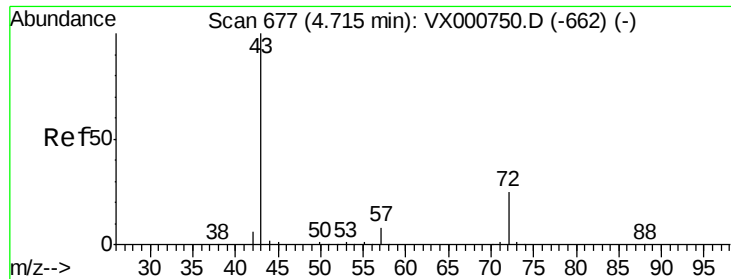
43 100

58 44.6 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.21 ug/l

RT: 4.74 min Scan# 681

Delta R.T. 0.02 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

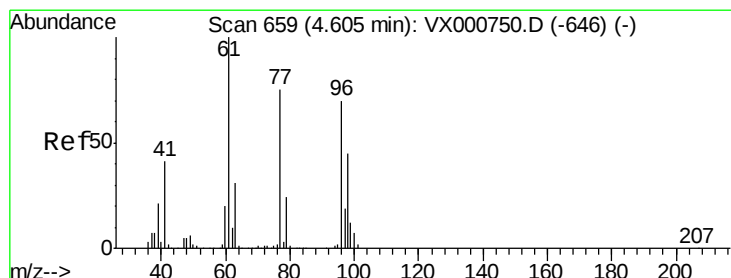
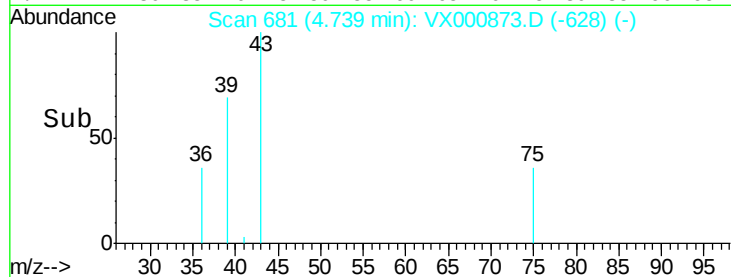
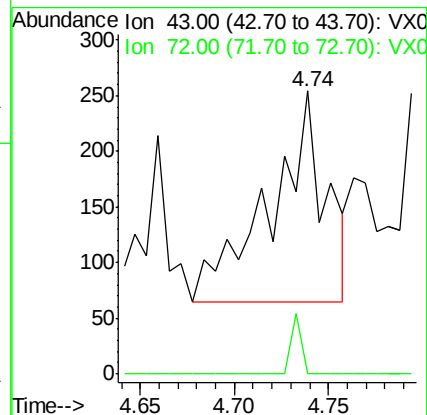
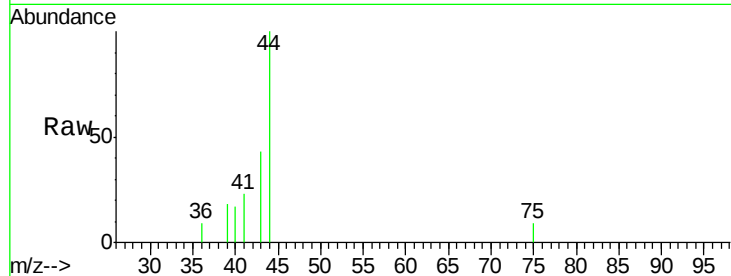
DUP-0440-180410

Tgt Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#27

cis-1,2-Dichloroethene

Concen: 7.75 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

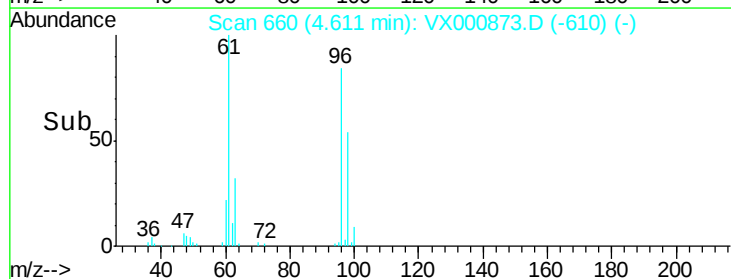
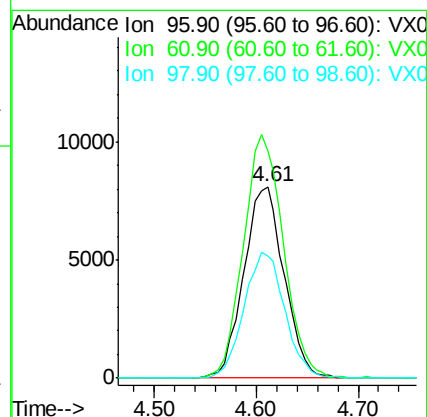
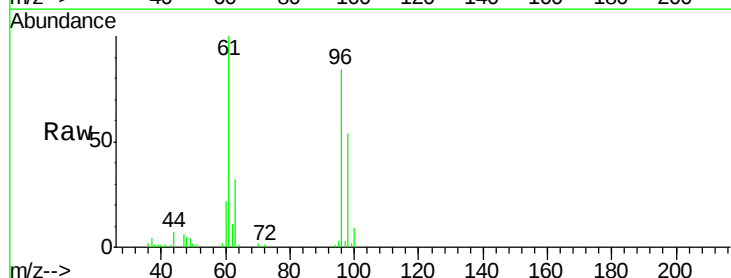
Tgt Ion: 96 Resp: 22164

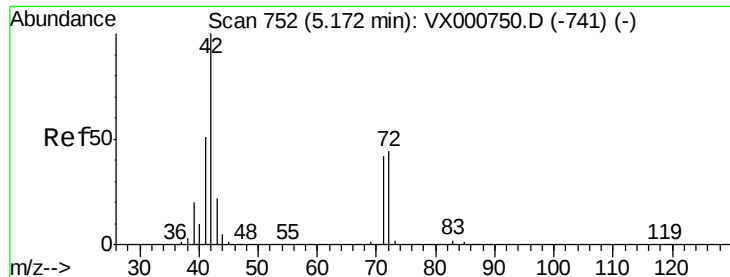
Ion Ratio Lower Upper

96 100

61 127.0 0.0 292.4

98 66.7 0.0 130.2





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

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ClientSampleId :

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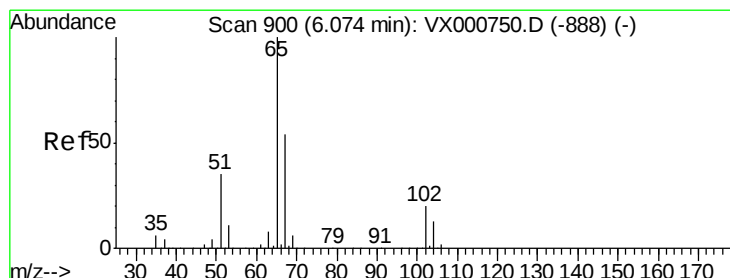
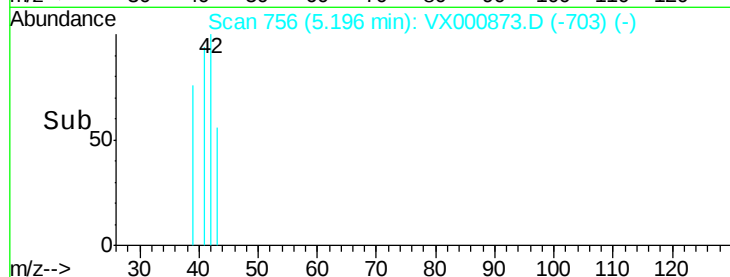
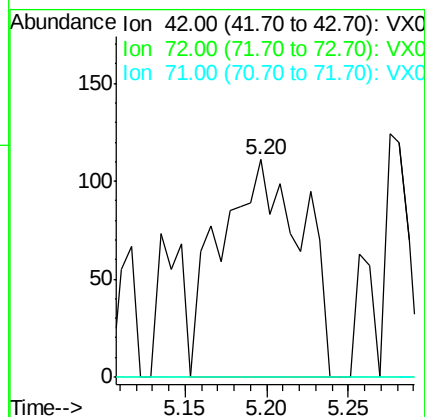
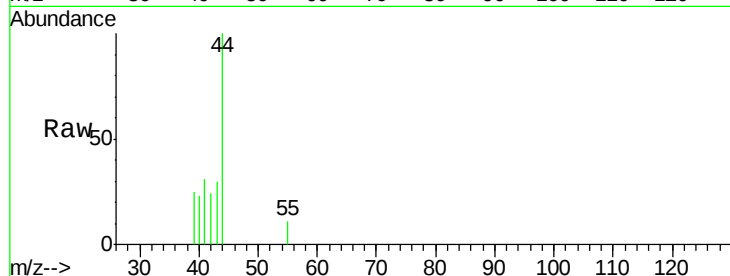
Tgt Ion: 42 Resp: 386

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 0.0 32.8 49.2#



#33

1,2-Dichloroethane-d4

Concen: 46.42 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000873.D

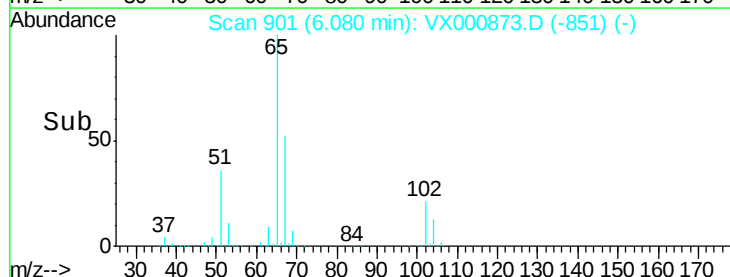
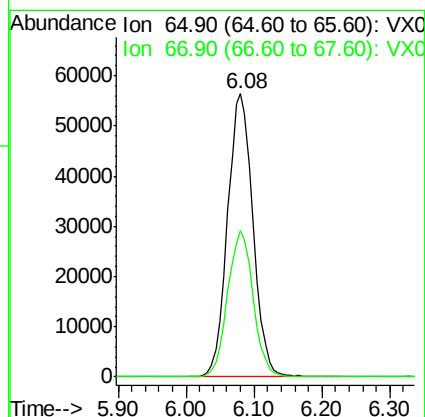
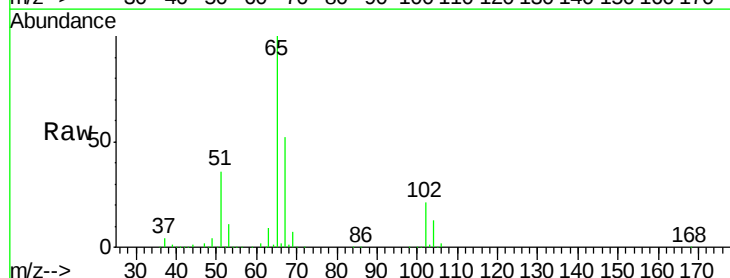
Acq: 14 Apr 2018 14:34

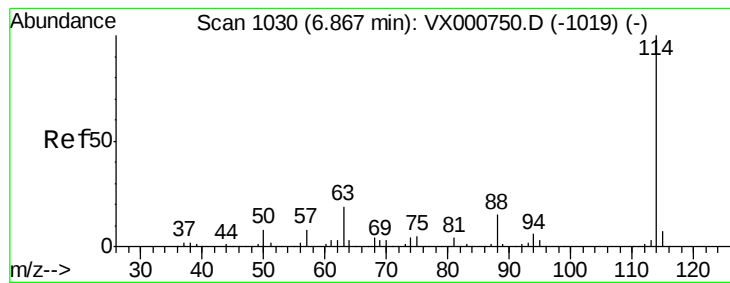
Tgt Ion: 65 Resp: 145765

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-0440-180410

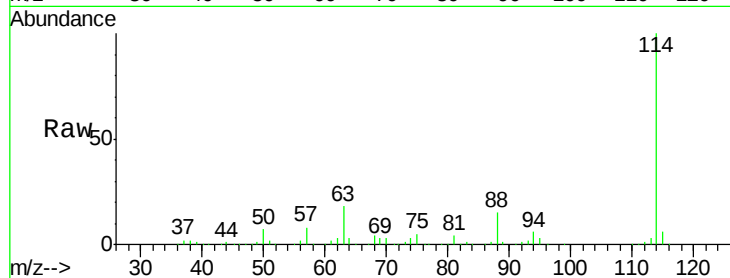
Tgt Ion:114 Resp: 335519

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

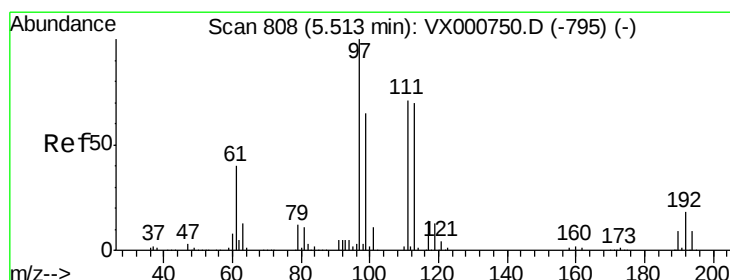
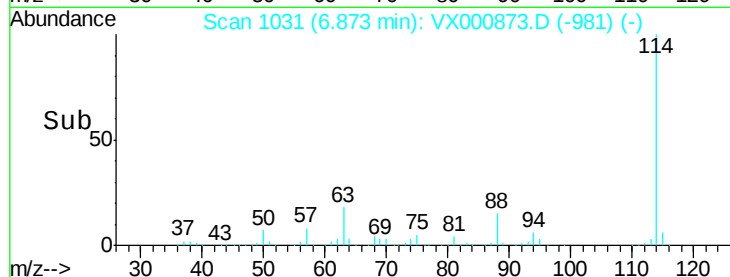
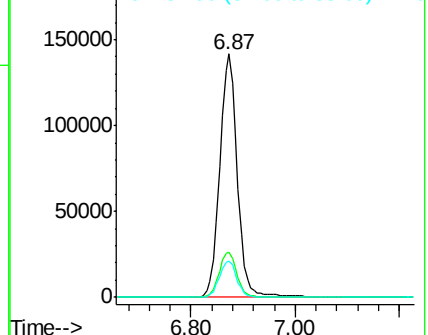
88 15.1 0.0 31.0



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: 46.11 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

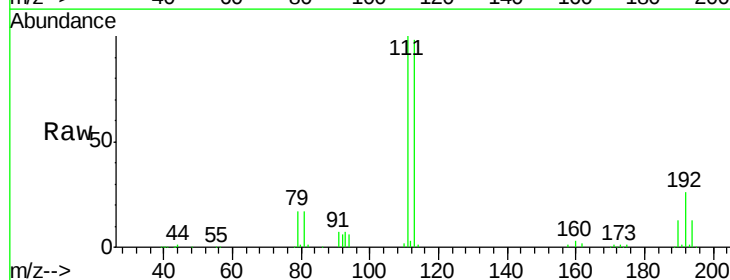
Tgt Ion:113 Resp: 119186

Ion Ratio Lower Upper

113 100

111 101.2 81.5 122.3

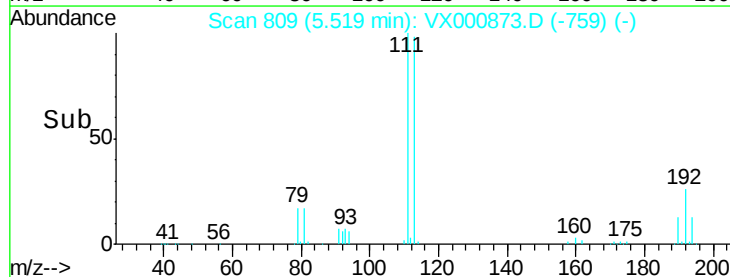
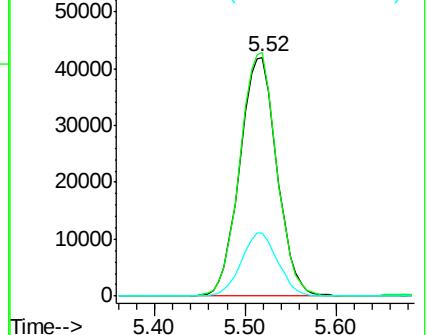
192 26.0 20.4 30.6

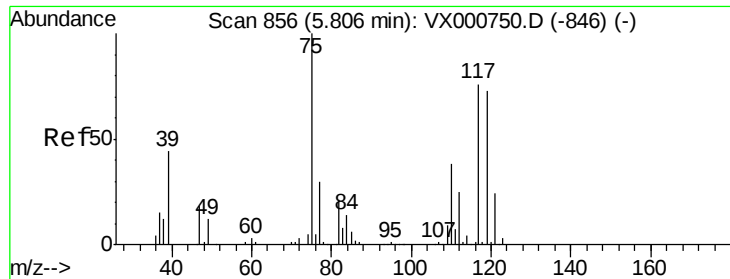


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

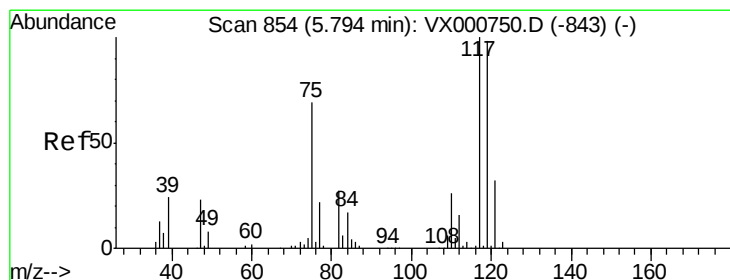
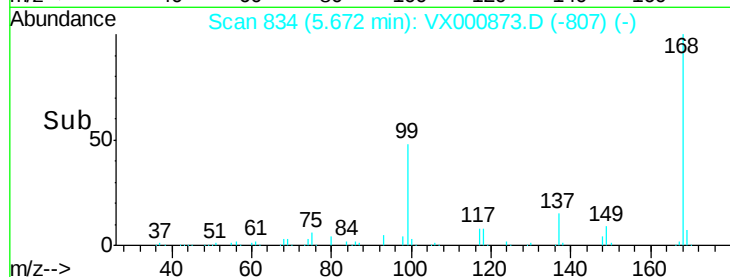
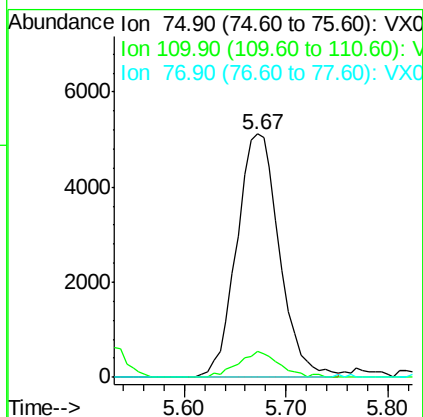
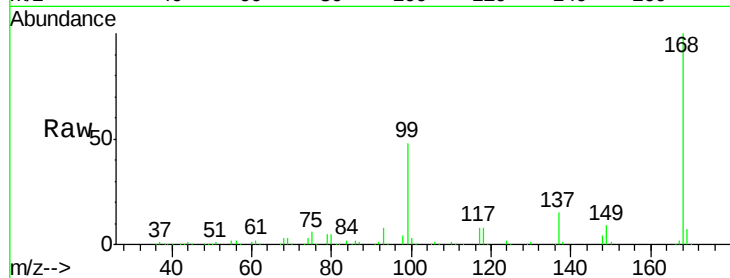




#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX000873.D
 Acq: 14 Apr 2018 14:34

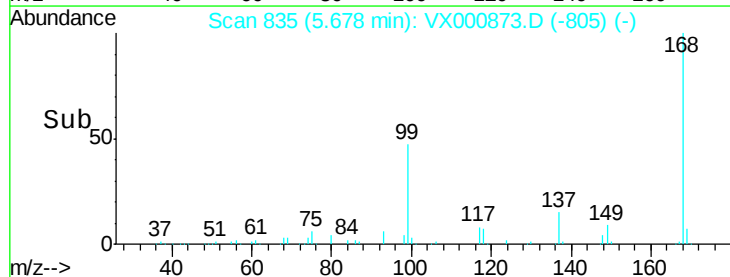
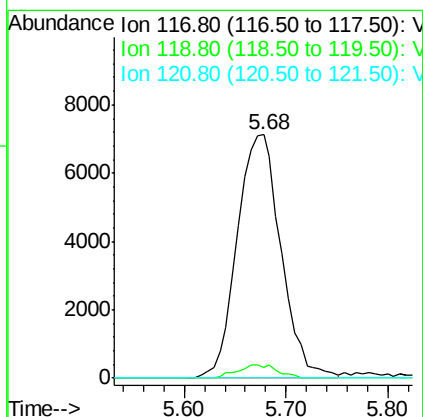
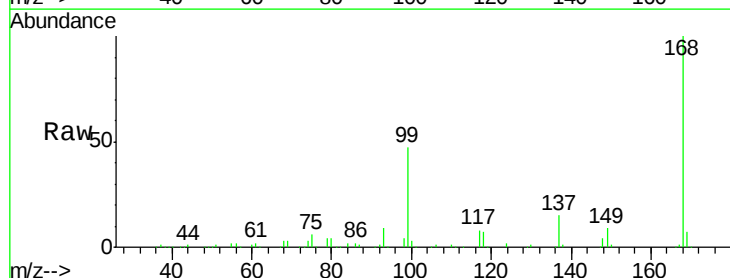
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0440-180410

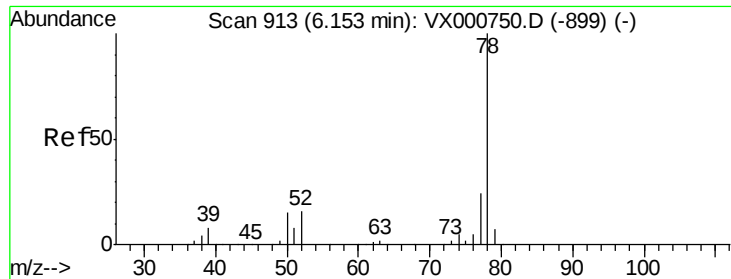
Tgt Ion: 75 Resp: 14843
 Ion Ratio Lower Upper
 75 100
 110 10.1 19.2 57.6#
 77 0.0 25.4 38.2#



#38
 Carbon Tetrachloride
 Concen: 5.13 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.12 min
 Lab File: VX000873.D
 Acq: 14 Apr 2018 14:34

Tgt Ion: 117 Resp: 21231
 Ion Ratio Lower Upper
 117 100
 119 4.3 78.4 117.6#
 121 0.0 25.4 38.0#





#40

Benzene

Concen: 0.45 ug/l

RT: 6.16 min Scan# 914

Delta R.T. 0.01 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

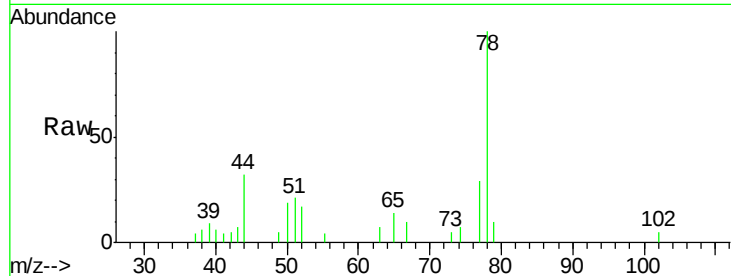
DUP-0440-180410

Tgt Ion: 78 Resp: 4593

Ion Ratio Lower Upper

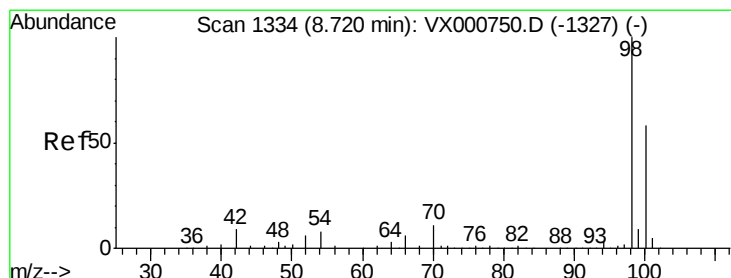
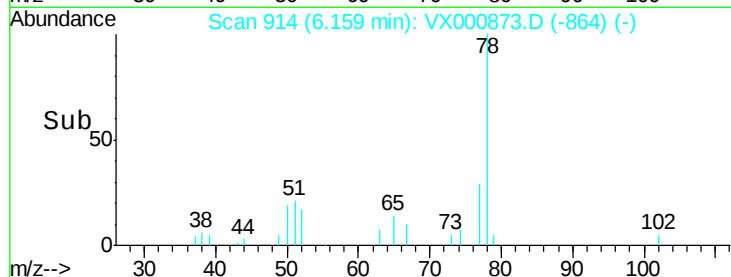
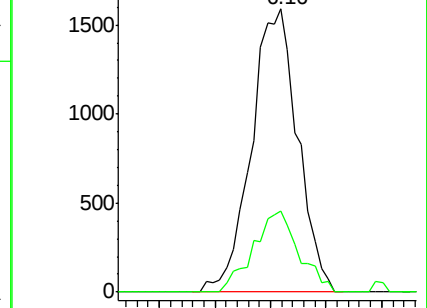
78 100

77 28.8 19.0 28.6#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 47.89 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000873.D

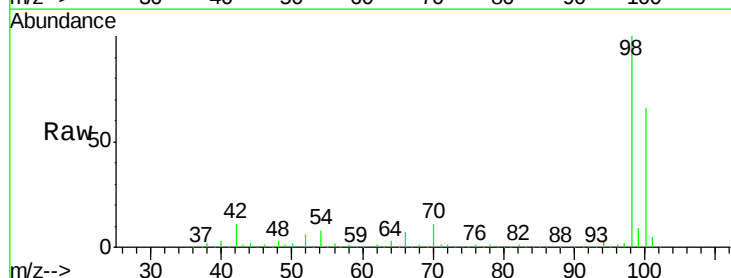
Acq: 14 Apr 2018 14:34

Tgt Ion: 98 Resp: 460944

Ion Ratio Lower Upper

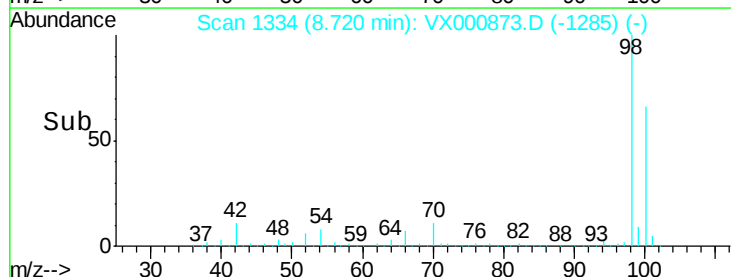
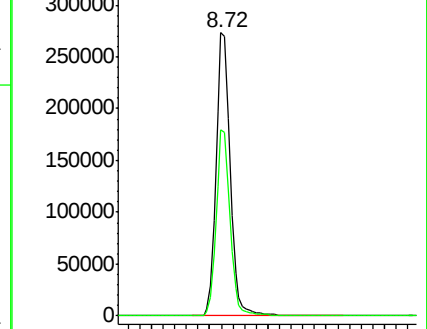
98 100

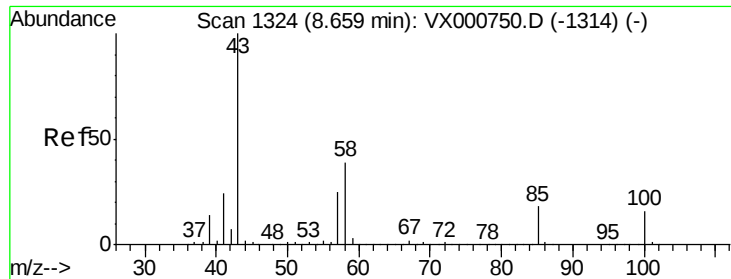
100 64.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.58 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.06 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

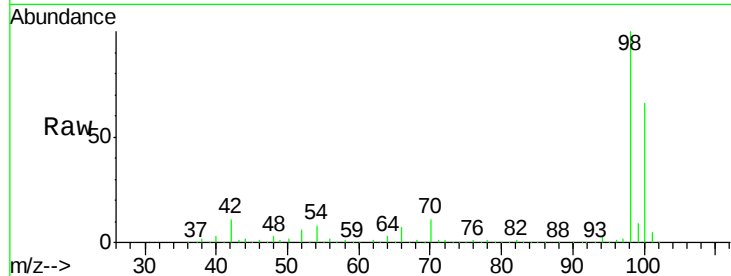
DUP-0440-180410

Tgt Ion: 43 Resp: 2118

Ion Ratio Lower Upper

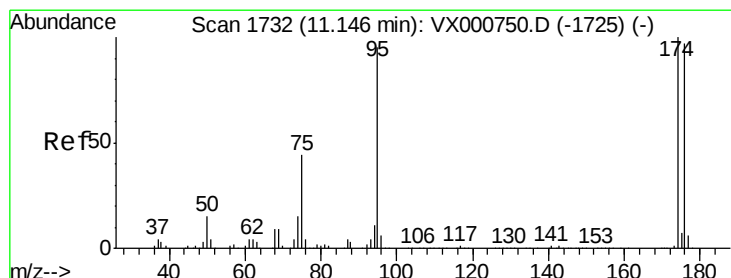
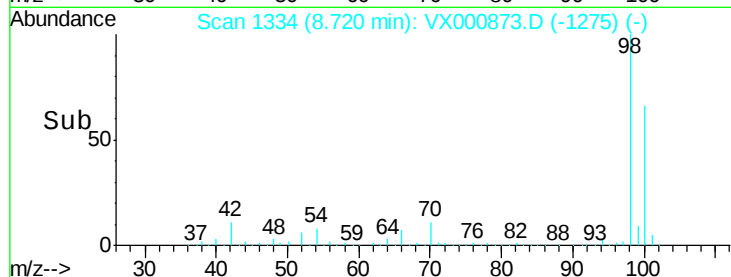
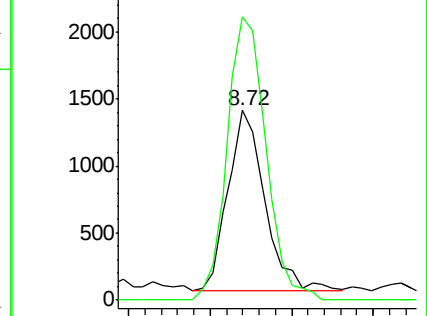
43 100

58 165.2 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.12 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

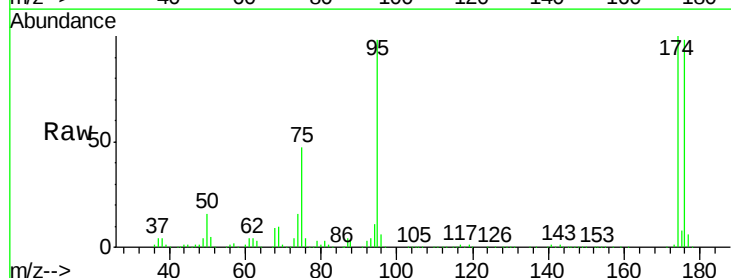
Tgt Ion: 95 Resp: 175706

Ion Ratio Lower Upper

95 100

174 97.2 0.0 198.4

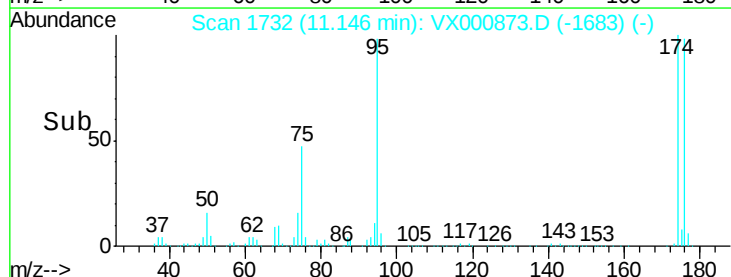
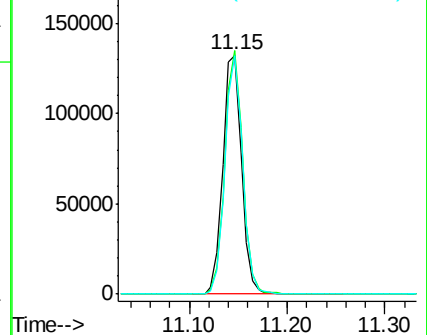
176 95.1 0.0 194.4

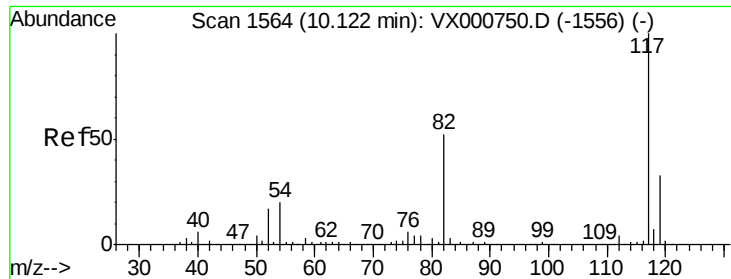


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

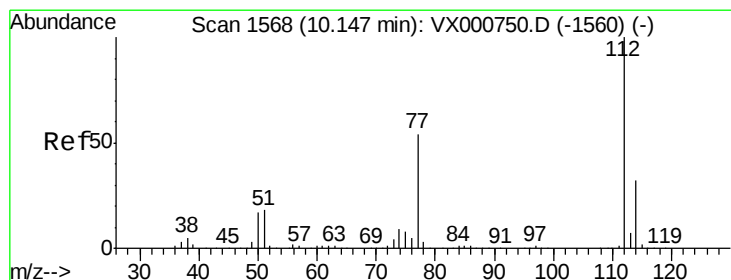
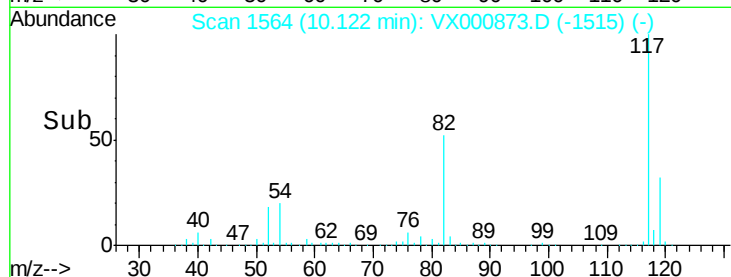
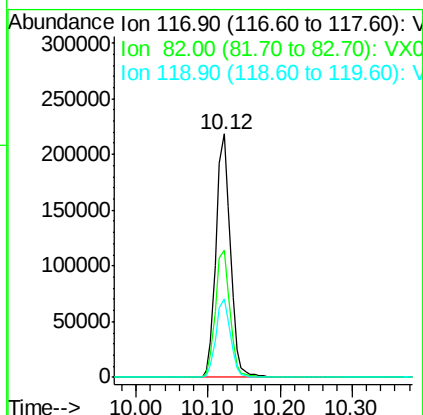
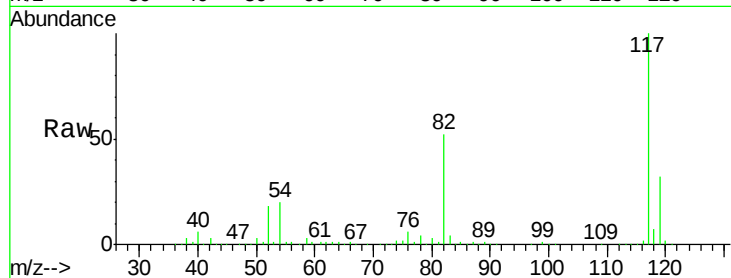




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000873.D
Acq: 14 Apr 2018 14:34

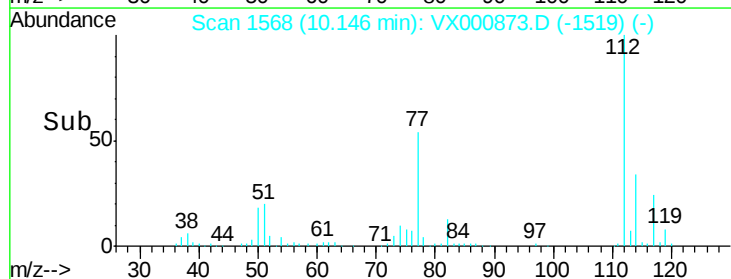
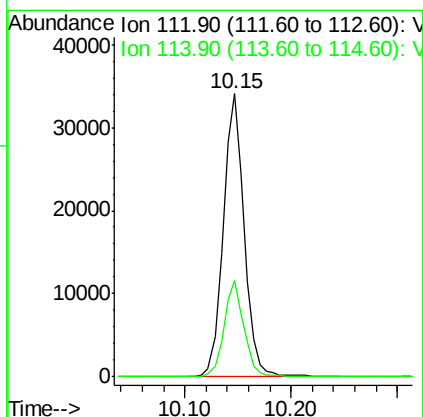
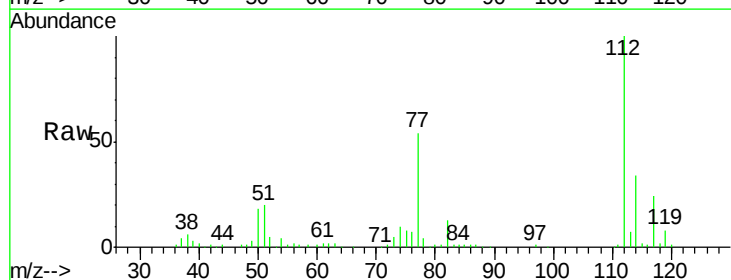
Instrument :
MSVOA_X
ClientSampleId :
DUP-0440-180410

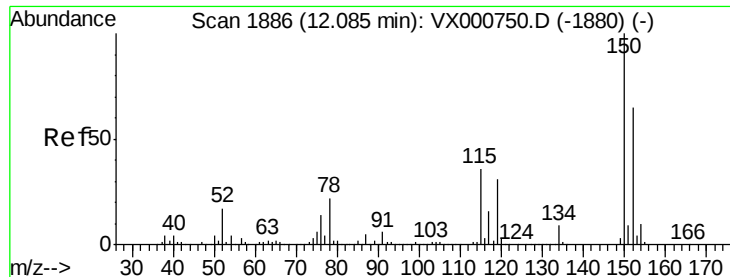
Tgt Ion:117 Resp: 301481
Ion Ratio Lower Upper
117 100
82 52.3 41.9 62.9
119 32.4 26.0 39.0



#65
Chlorobenzene
Concen: 6.16 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX000873.D
Acq: 14 Apr 2018 14:34

Tgt Ion:112 Resp: 46735
Ion Ratio Lower Upper
112 100
114 33.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-0440-180410

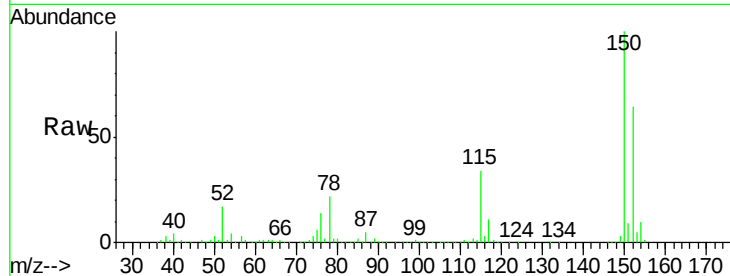
Tgt Ion:152 Resp: 194417

Ion Ratio Lower Upper

152 100

115 52.9 37.9 113.7

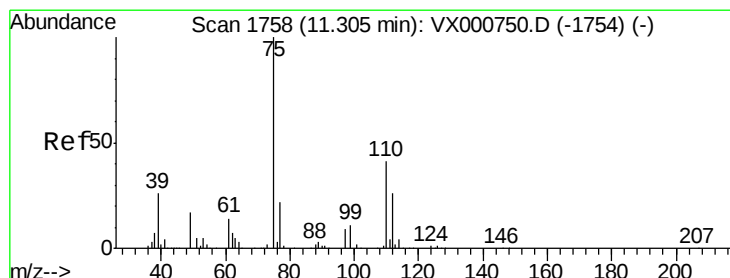
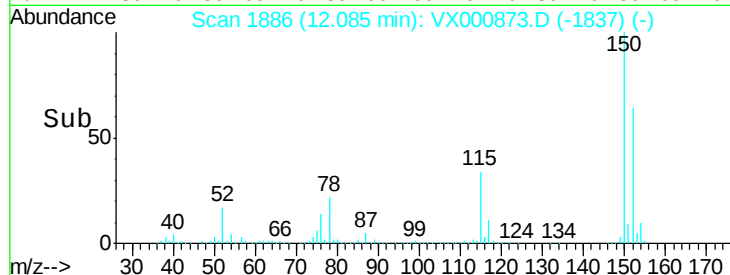
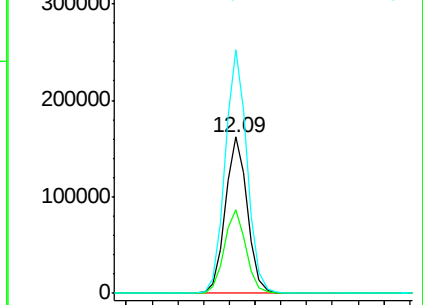
150 155.4 0.0 348.0



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: 25.70 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000873.D

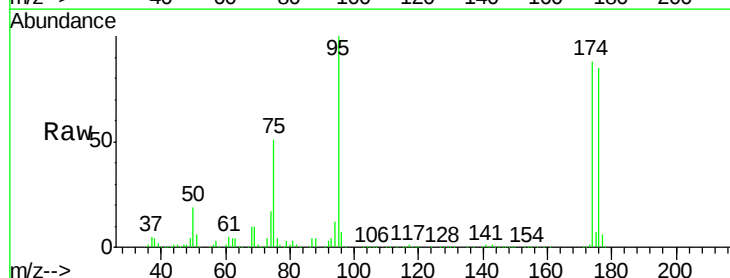
Acq: 14 Apr 2018 14:34

Tgt Ion: 75 Resp: 86168

Ion Ratio Lower Upper

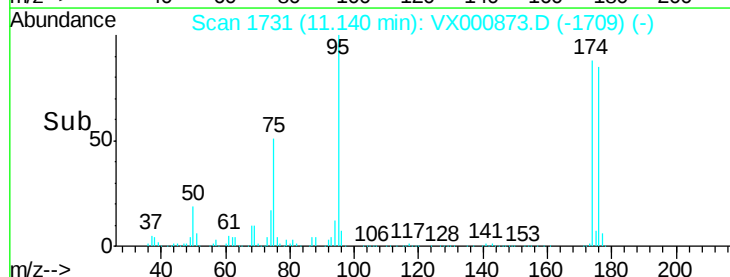
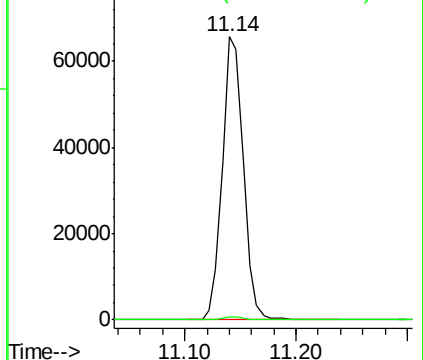
75 100

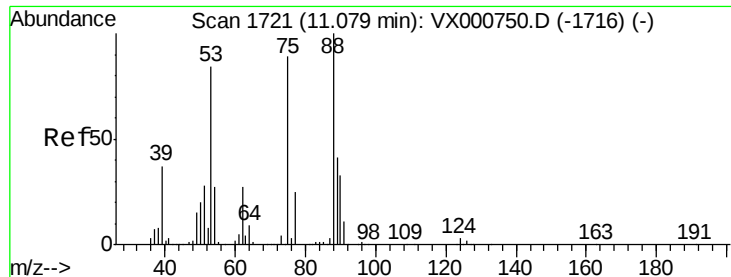
77 1.2 20.5 61.5#



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: 70.69 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

Instrument :

MSVOA_X

ClientSampleId :

DUP-0440-180410

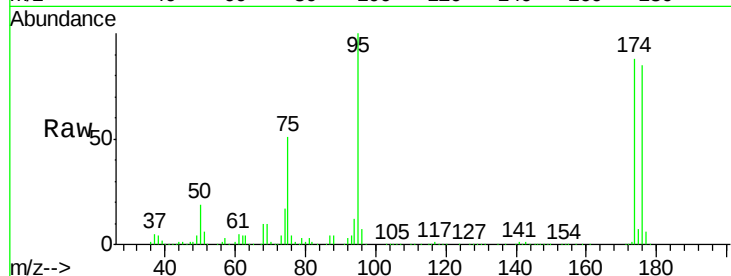
Tgt Ion: 75 Resp: 86168

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

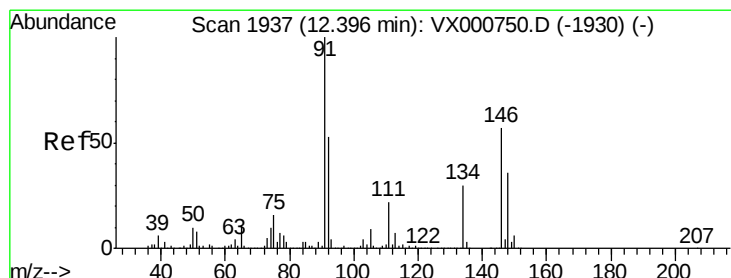
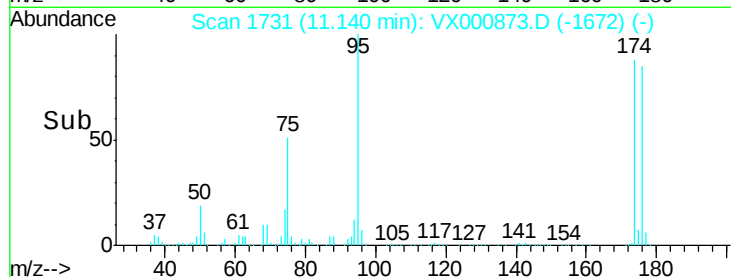
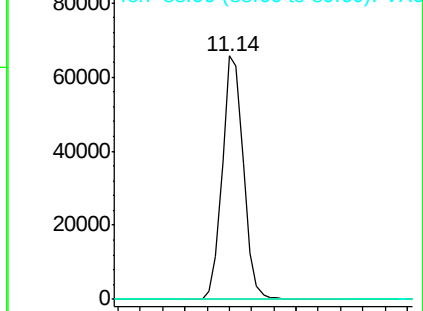
89 0.0 40.9 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VX000873.D (-1672) (-)

Ion 53.00 (52.70 to 53.70): VX000873.D (-1672) (-)

Ion 88.90 (88.60 to 89.60): VX000873.D (-1672) (-)



#91

1,2-Dichlorobenzene

Concen: 1.84 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX000873.D

Acq: 14 Apr 2018 14:34

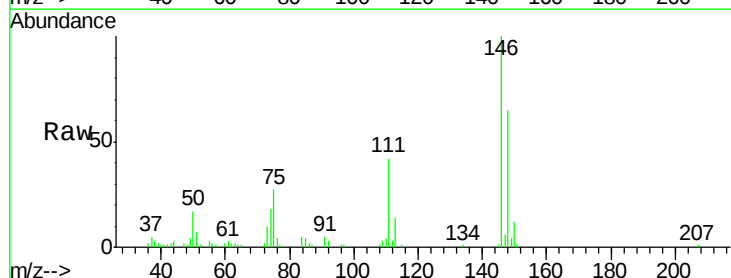
Tgt Ion: 146 Resp: 11906

Ion Ratio Lower Upper

146 100

111 38.5 18.9 56.7

148 64.6 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): VX000873.D (-1888) (-)

Ion 110.90 (110.60 to 111.60): VX000873.D (-1888) (-)

Ion 147.90 (147.60 to 148.60): VX000873.D (-1888) (-)

