

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX042518\
 Data File : VX001132.D
 Acq On : 25 Apr 2018 20:46
 Operator : JC/MD
 Sample : J2464-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0445-180147

Quant Time: Apr 26 05:28:37 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 20 05:03:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	228025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	313850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152084	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	161056	55.72	ug/l	0.00
Spiked Amount			Recovery	=	111.44%	
35) Dibromofluoromethane	5.51	113	124153	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
50) Toluene-d8	8.72	98	474267	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	11.14	95	165103	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

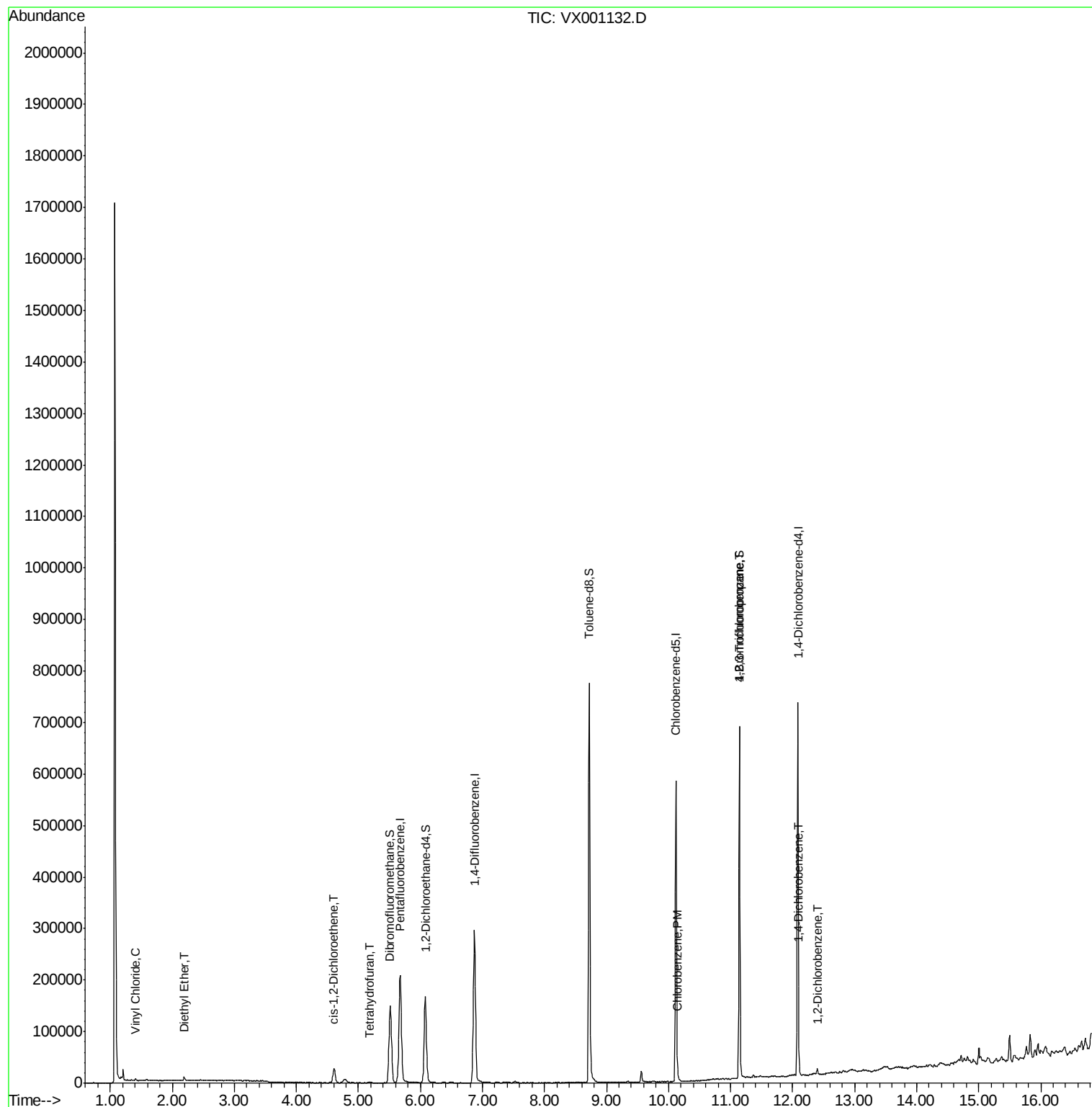
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	1888	0.69	ug/l	93
8) Diethyl Ether	2.19	74	2635	1.74	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	17573	6.38	ug/l	89
29) Tetrahydrofuran	5.17	42	973	0.91	ug/l #	59
65) Chlorobenzene	10.15	112	2573	0.35	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	85064	32.24	ug/l #	38
88) 1,4-Dichlorobenzene	12.10	146	4637	0.84	ug/l #	58
91) 1,2-Dichlorobenzene	12.40	146	3731	0.71	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX001132.D

Acq: 25 Apr 2018 20:46

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MSVOA_X

ClientSampleId :

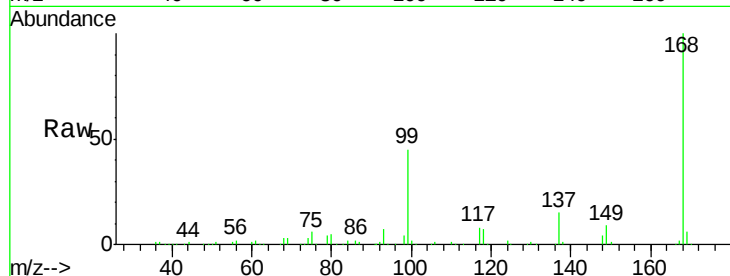
DUP-0445-180147

Tot Ion:168 Resp: 228025

Ion Ratio Lower Upper

168 100

99 45.0 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

80000

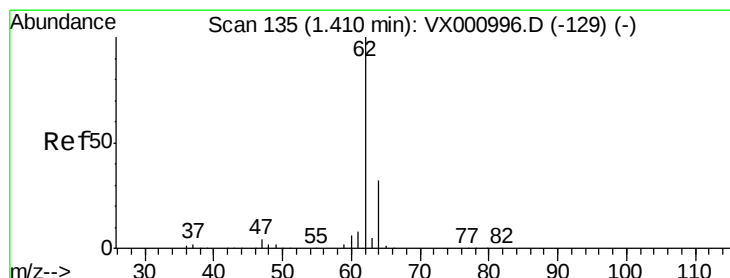
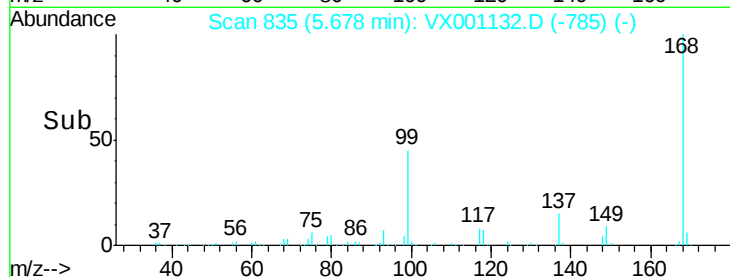
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 0.69 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX001132.D

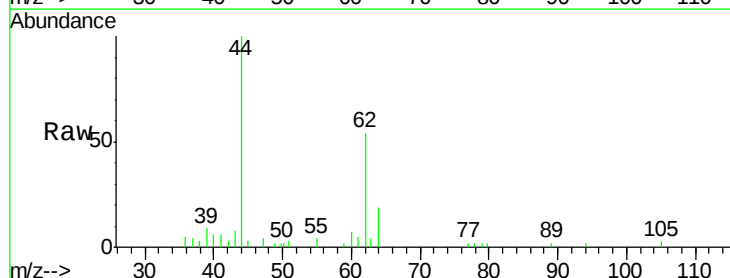
Acq: 25 Apr 2018 20:46

Tgt Ion: 62 Resp: 1888

Ion Ratio Lower Upper

62 100

64 35.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

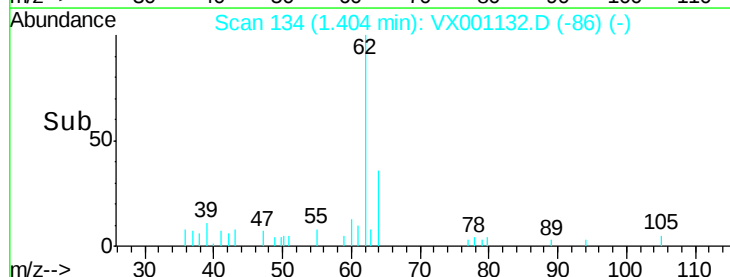
1500

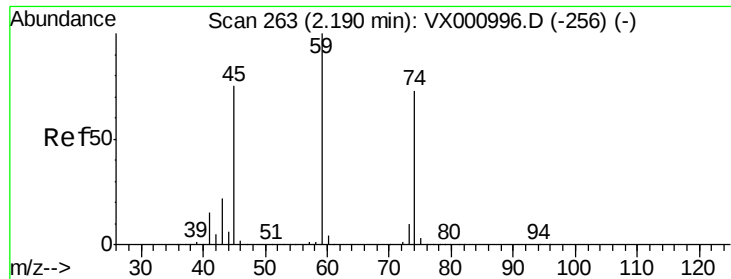
1000

500

0

Time--> 1.35 1.40 1.45





#8

Diethyl Ether

Concen: 1.74 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX001132.D

Acq: 25 Apr 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

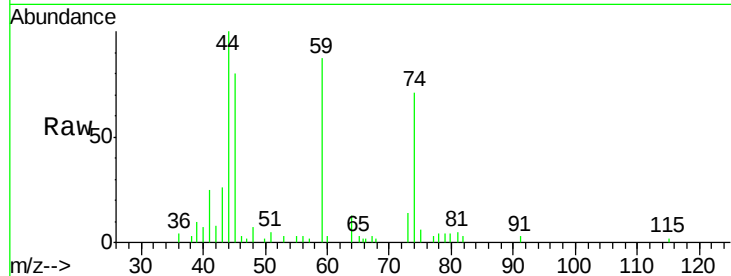
DUP-0445-180147

Tot Ion: 74 Resp: 2635

Ion Ratio Lower Upper

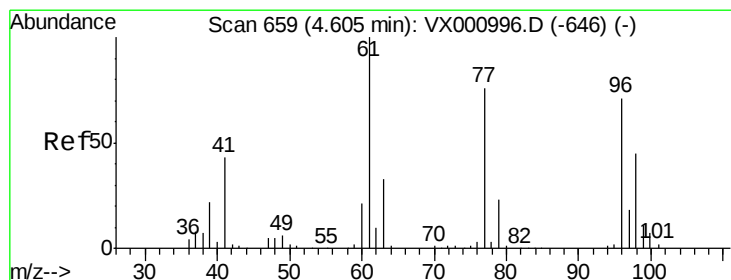
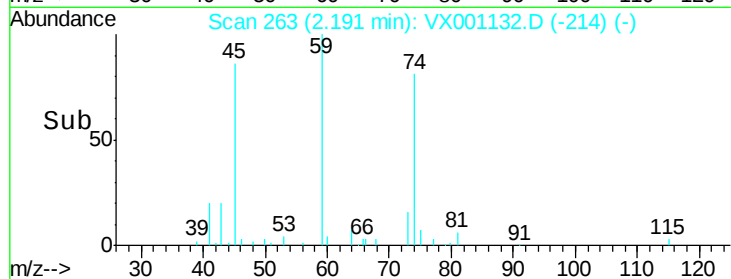
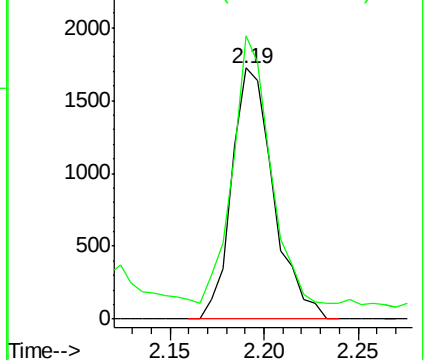
74 100

45 96.6 49.0 147.0



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 6.38 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.00 min

Lab File: VX001132.D

Acq: 25 Apr 2018 20:46

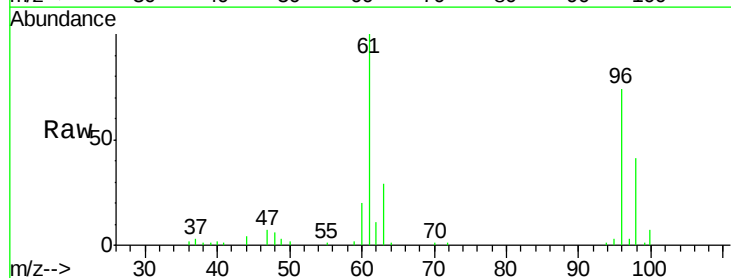
Tgt Ion: 96 Resp: 17573

Ion Ratio Lower Upper

96 100

61 128.6 0.0 297.0

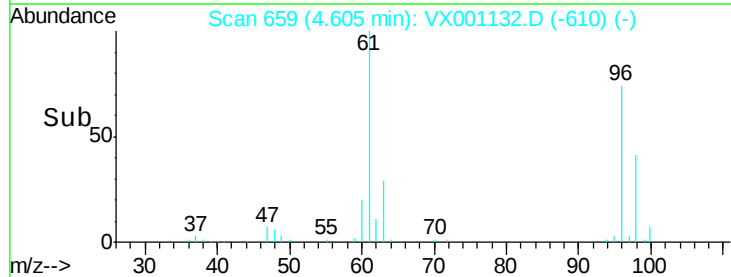
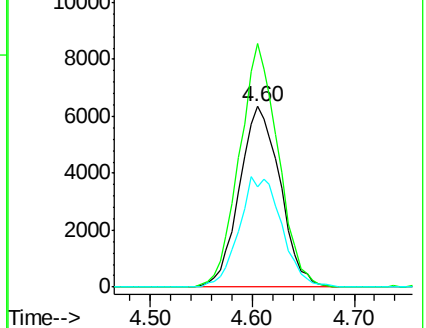
98 63.7 0.0 130.0

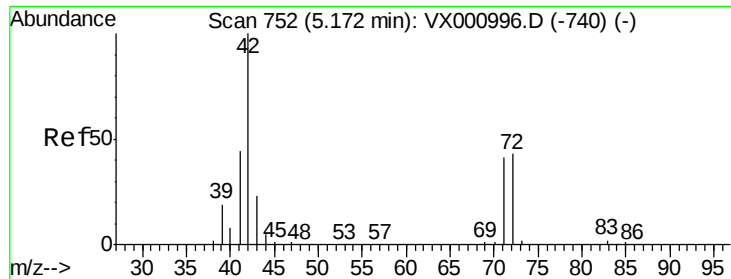


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.91 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX001132.D

Acq: 25 Apr 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0445-180147

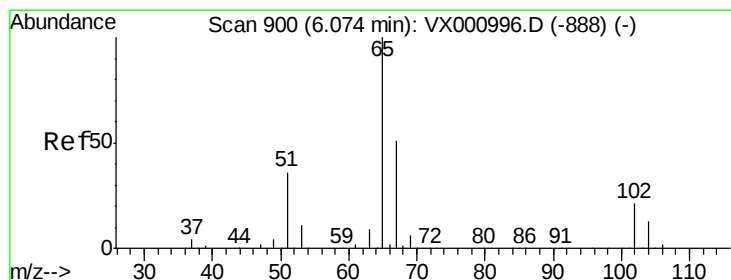
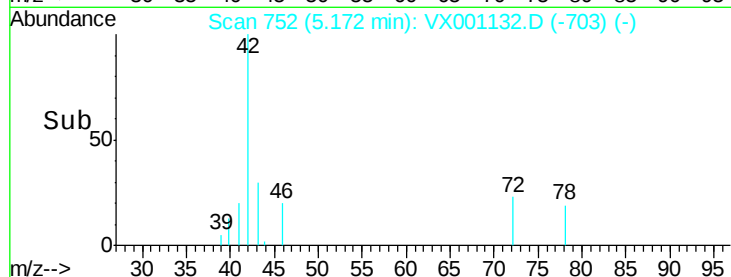
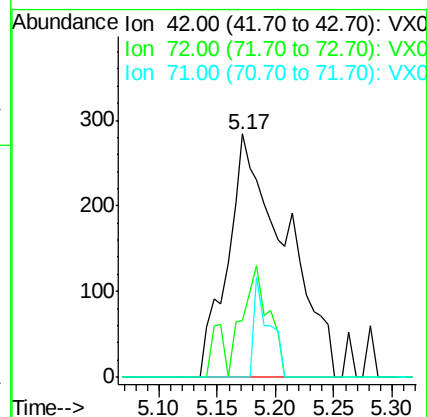
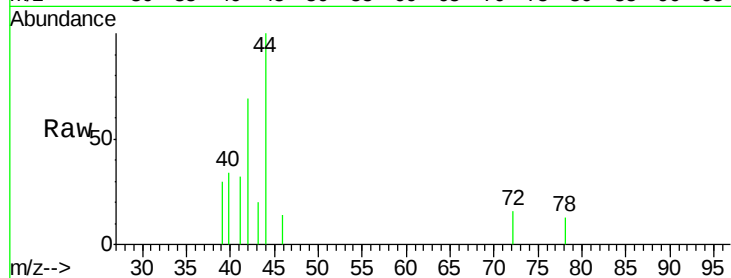
Tot Ion: 42 Resp: 973

Ion Ratio Lower Upper

42 100

72 21.1 34.6 52.0#

71 10.9 32.6 49.0#



#33

1,2-Dichloroethane-d4

Concen: 55.72 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001132.D

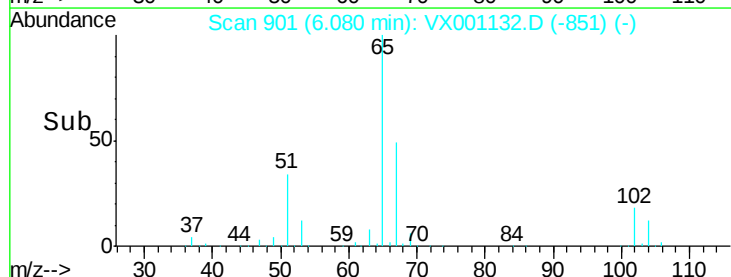
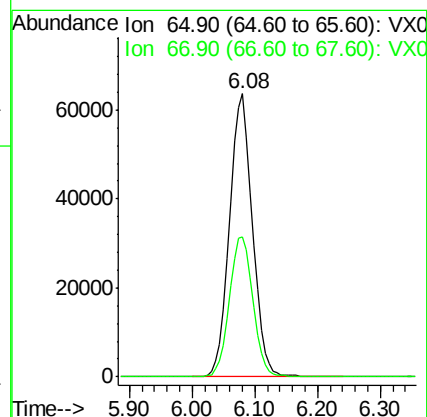
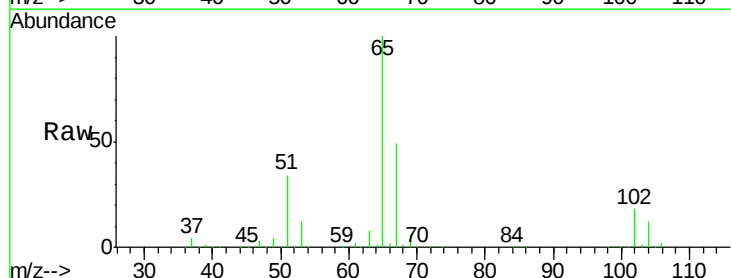
Acq: 25 Apr 2018 20:46

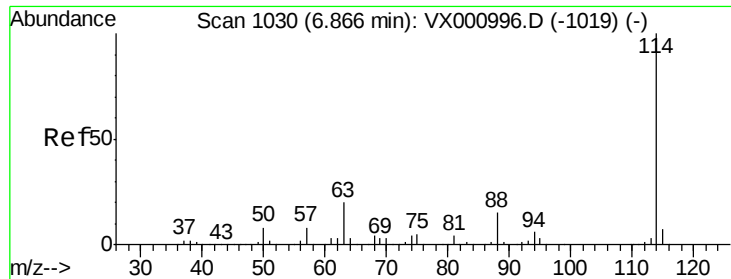
Tgt Ion: 65 Resp: 161056

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.6

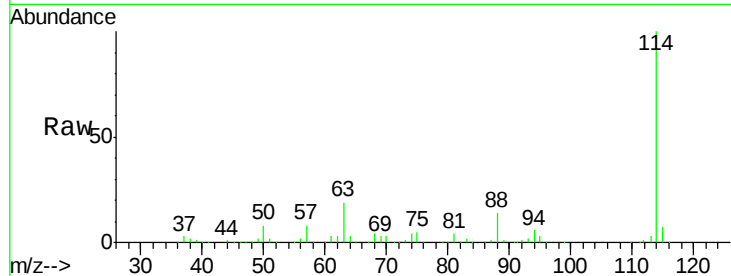




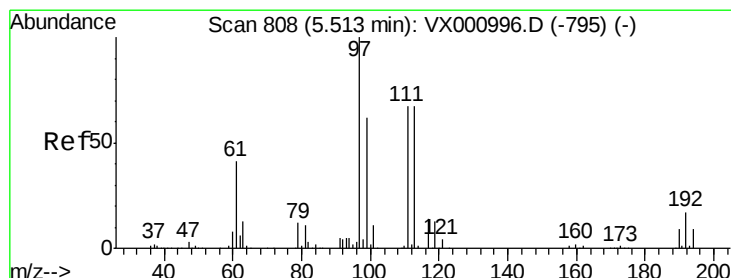
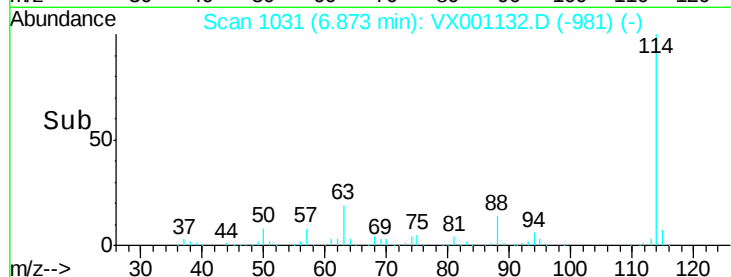
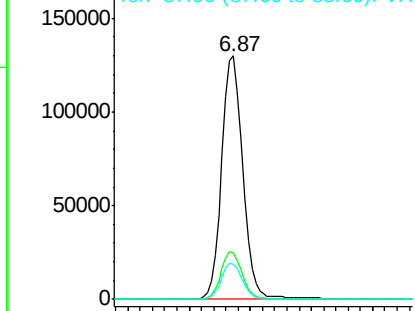
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001132.D
 Acq: 25 Apr 2018 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0445-180147

Tot Ion:114 Resp: 313850
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 14.4 0.0 29.8

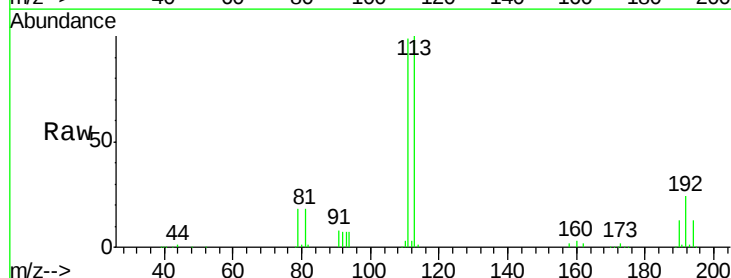


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

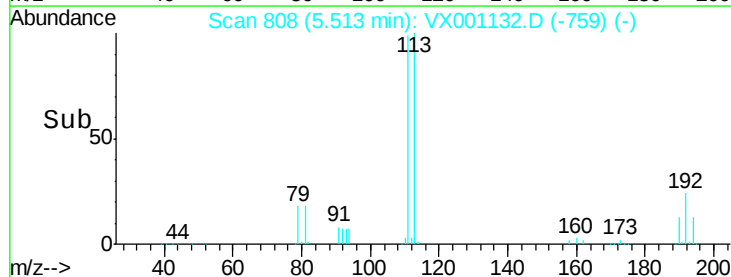
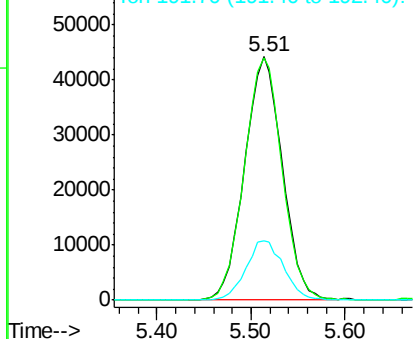


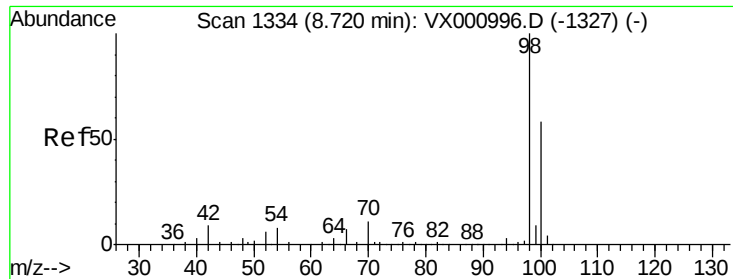
#35
 Dibromofluoromethane
 Concen: 51.88 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX001132.D
 Acq: 25 Apr 2018 20:46

Tgt Ion:113 Resp: 124153
 Ion Ratio Lower Upper
 113 100
 111 99.9 81.4 122.2
 192 24.4 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

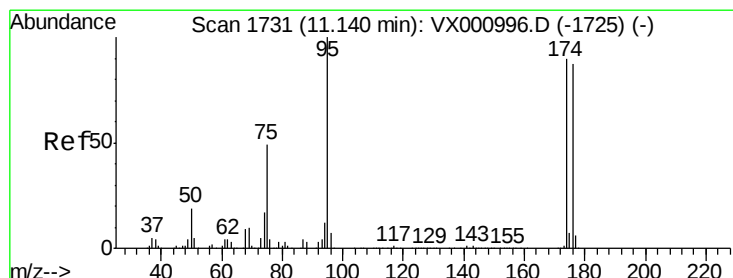
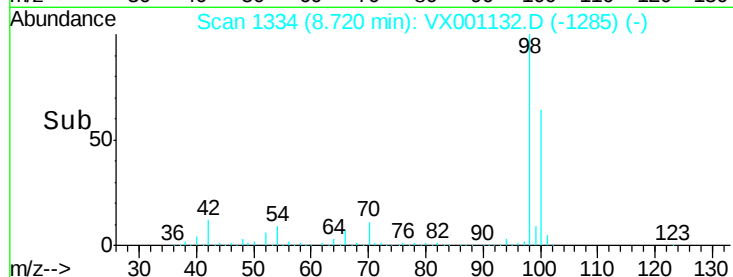
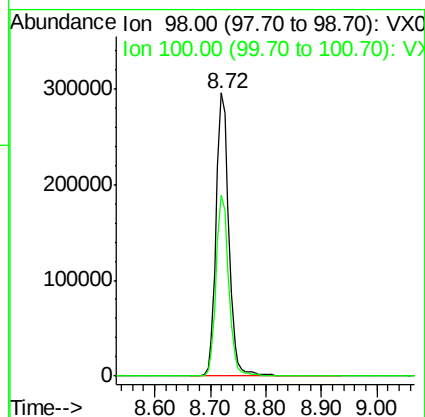
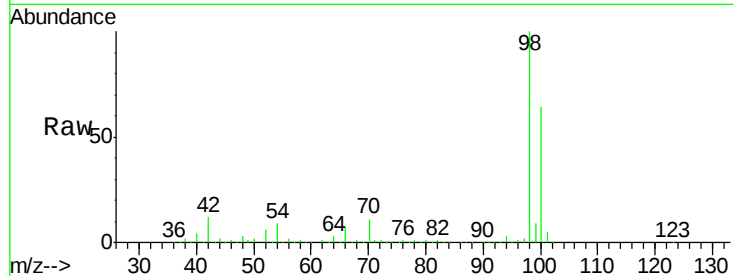




#50
Toluene-d8
Concen: 53.59 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001132.D
Acq: 25 Apr 2018 20:46

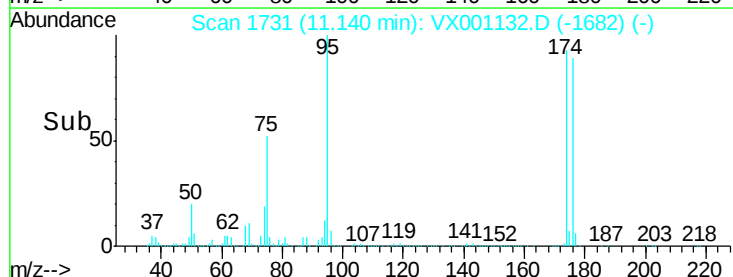
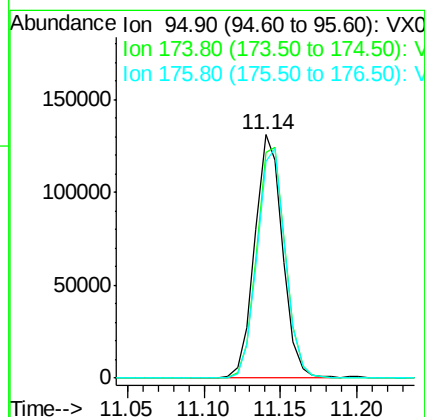
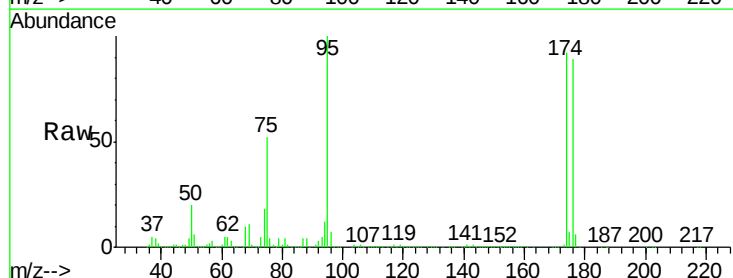
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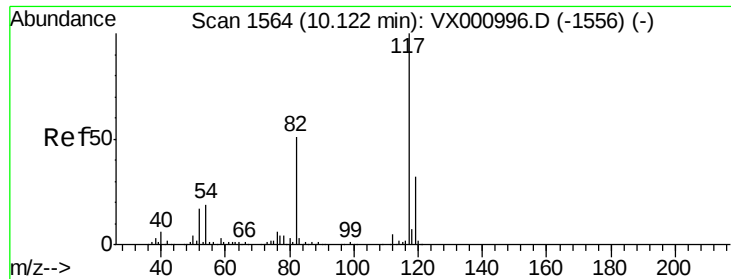
Tot Ion: 98 Resp: 474267
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.46 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001132.D
Acq: 25 Apr 2018 20:46

Tgt Ion: 95 Resp: 165103
Ion Ratio Lower Upper
95 100
174 98.8 0.0 198.4
176 96.0 0.0 192.0

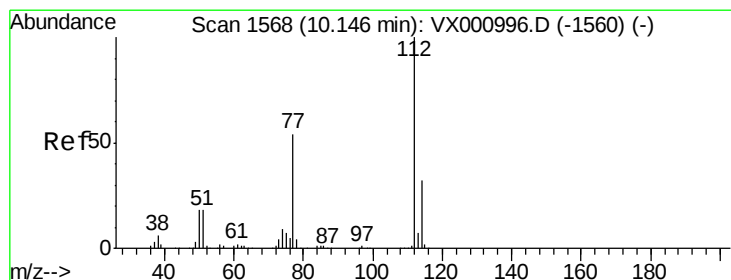
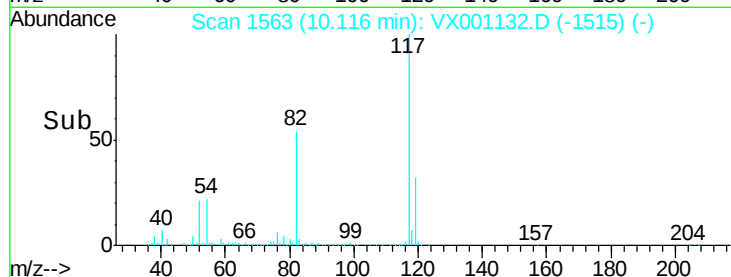
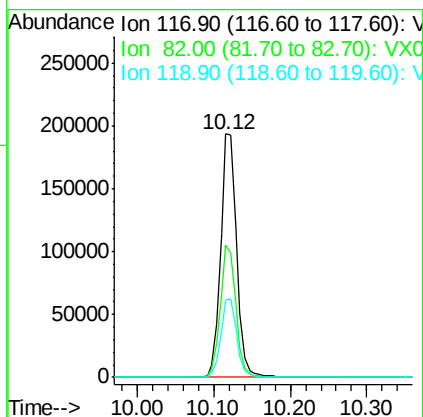
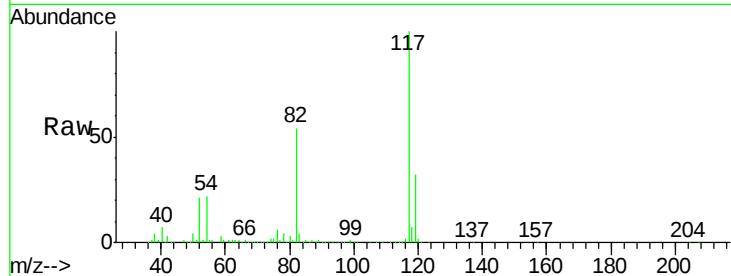




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001132.D
Acq: 25 Apr 2018 20:46

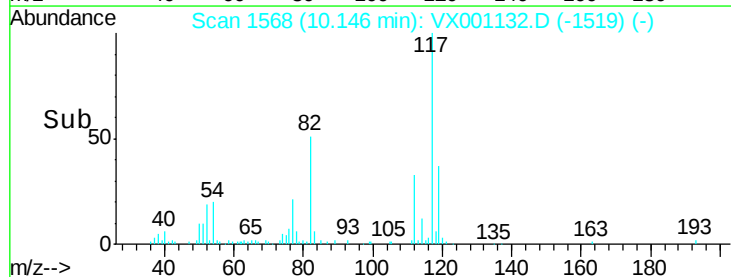
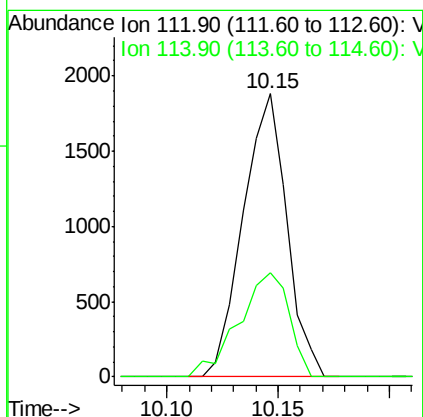
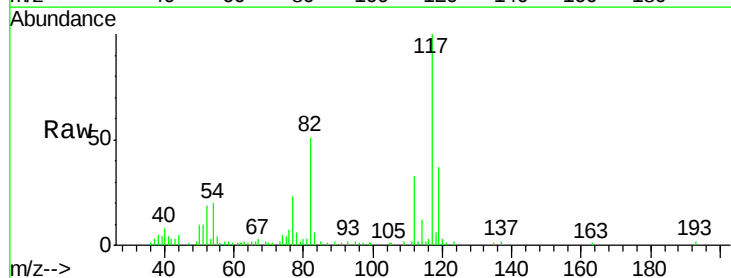
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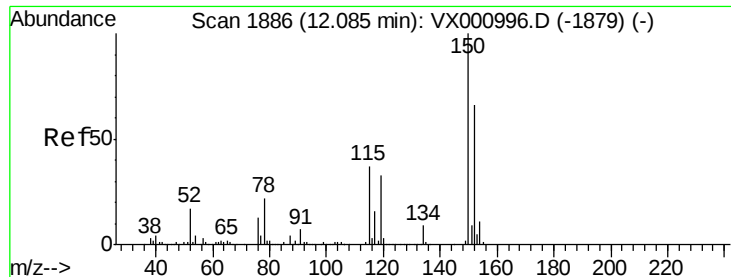
Tot Ion:117 Resp: 278196
Ion Ratio Lower Upper
117 100
82 54.4 40.6 60.8
119 31.7 26.0 39.0



#65
Chlorobenzene
Concen: 0.35 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX001132.D
Acq: 25 Apr 2018 20:46

Tgt Ion:112 Resp: 2573
Ion Ratio Lower Upper
112 100
114 36.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001132.D

Acq: 25 Apr 2018 20:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-0445-180147

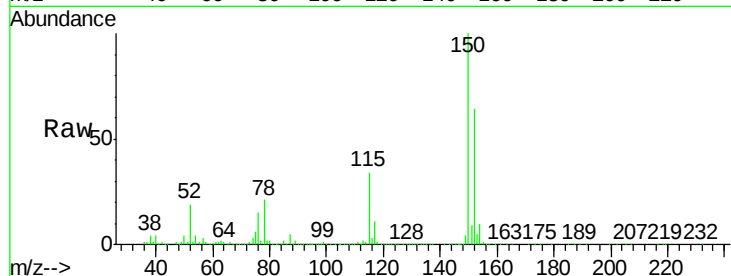
Tot Ion:152 Resp: 152084

Ion Ratio Lower Upper

152 100

115 53.9 38.2 114.6

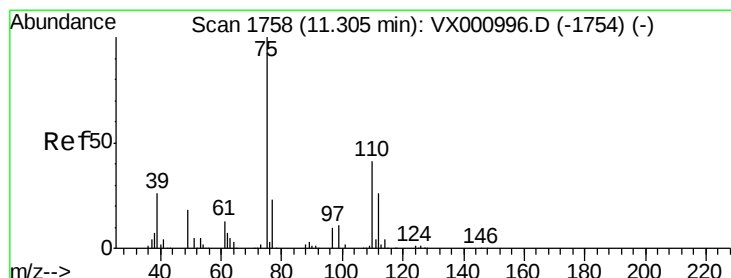
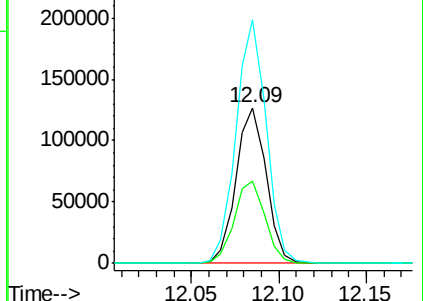
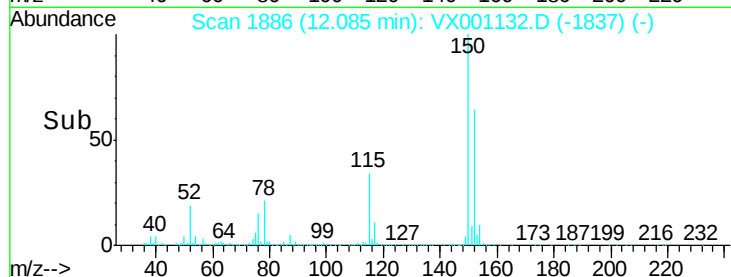
150 156.9 0.0 350.4



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: 32.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001132.D

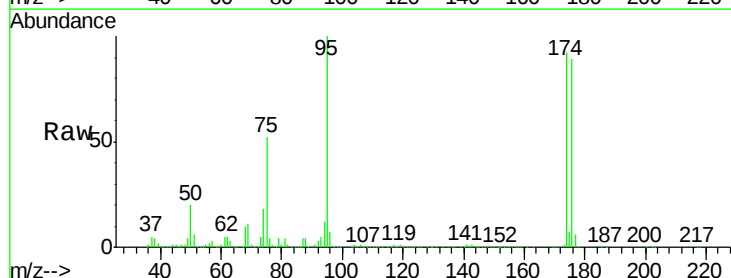
Acq: 25 Apr 2018 20:46

Tgt Ion: 75 Resp: 85064

Ion Ratio Lower Upper

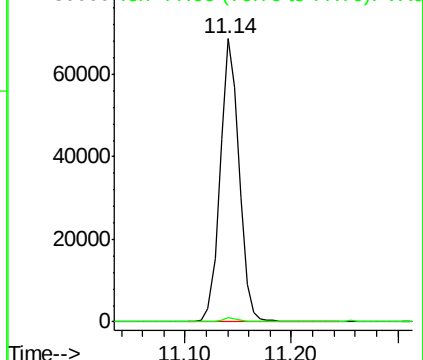
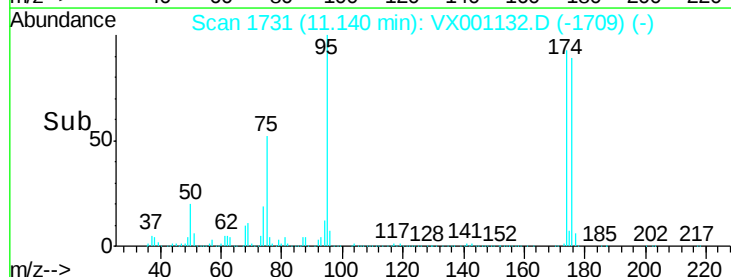
75 100

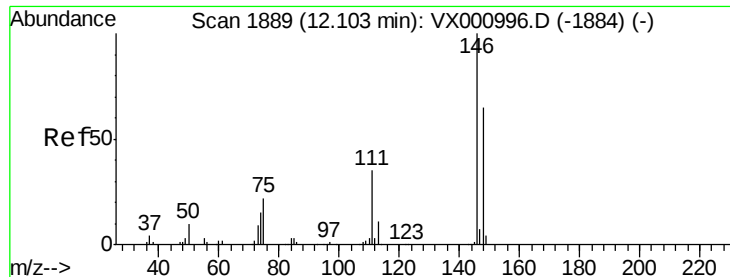
77 1.3 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

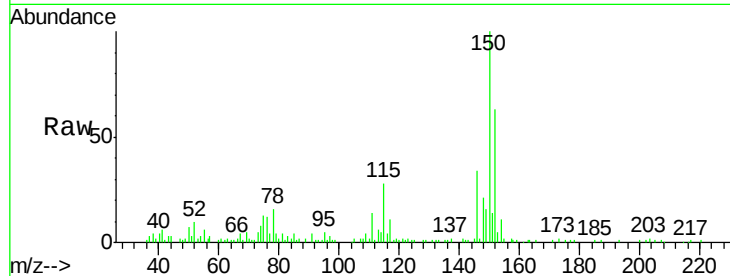




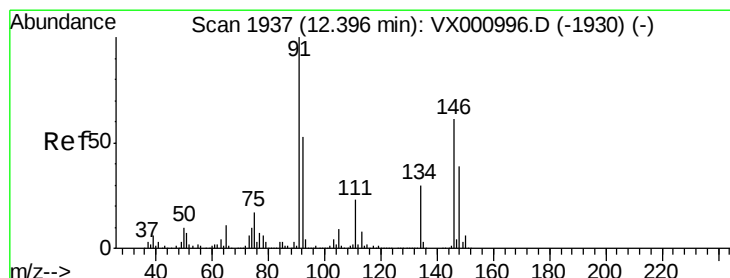
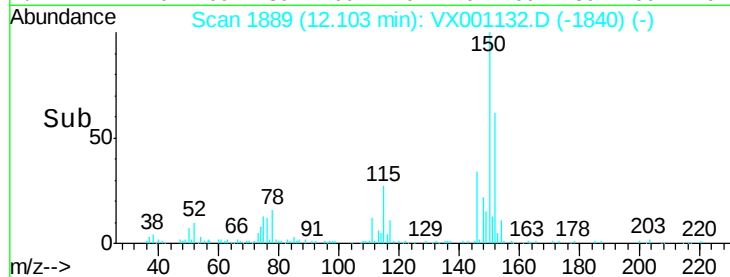
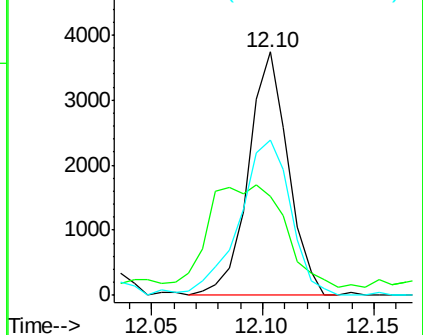
#88
 1,4-Dichlorobenzene
 Concen: 0.84 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001132.D
 Acq: 25 Apr 2018 20:46

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0445-180147

Tot Ion:146 Resp: 4637
 Ion Ratio Lower Upper
 146 100
 111 80.7 18.0 54.0#
 148 82.3 32.4 97.0

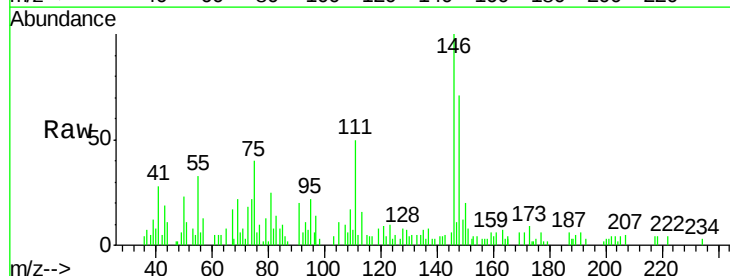


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 0.71 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX001132.D
 Acq: 25 Apr 2018 20:46

Tgt Ion:146 Resp: 3731
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.6 56.0
 148 63.4 32.3 96.8



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

