

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070518\
 Data File : VX003202.D
 Acq On : 06 Jul 2018 05:27
 Operator : JC/MD
 Sample : J3844-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022RW349-180702

Quant Time: Jul 06 11:25:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	302828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	397178	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	365391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	186740	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	
35) Dibromofluoromethane	5.51	113	163422	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	
50) Toluene-d8	8.72	98	551980	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.14	95	191215	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	

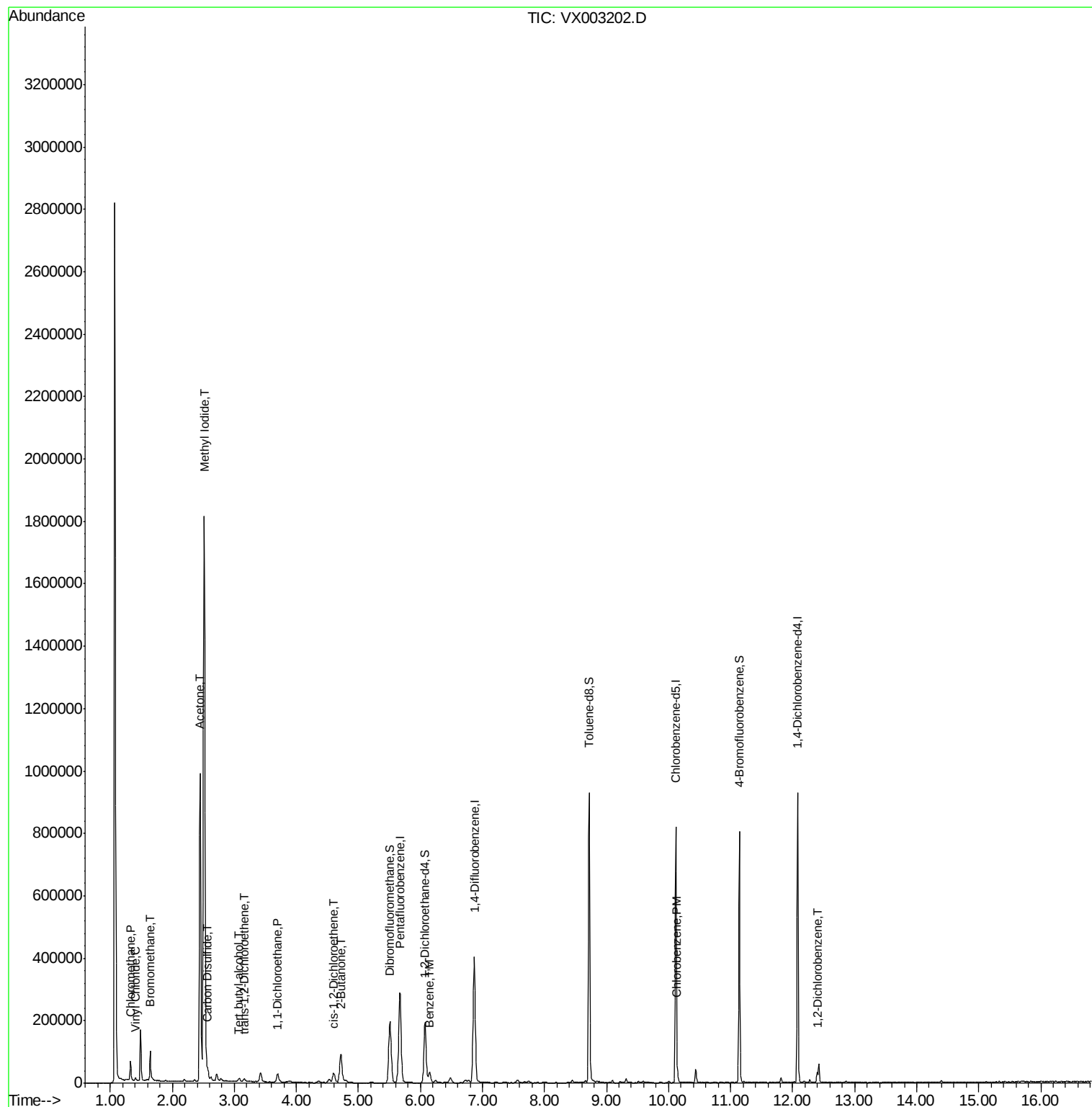
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	37336	12.40	ug/l	98
4) Vinyl Chloride	1.40	62	6122	1.79	ug/l	# 88
5) Bromomethane	1.64	94	43617	25.98	ug/l	99
10) Methyl Iodide	2.51	142	1845342	482.16	ug/l	97
11) Tert butyl alcohol	3.08	59	13012	15.61	ug/l	95
16) Acetone	2.45	43	1071121	617.93	ug/l	97
17) Carbon Disulfide	2.57	76	40962	5.15	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	2894	0.89	ug/l	90
24) 1,1-Dichloroethane	3.70	63	28394	4.64	ug/l	97
25) 2-Butanone	4.71	43	167048	64.93	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	19308	5.29	ug/l	97
40) Benzene	6.15	78	37868	2.99	ug/l	98
65) Chlorobenzene	10.14	112	10687	1.15	ug/l	96
91) 1,2-Dichlorobenzene	12.40	146	9824	1.38	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

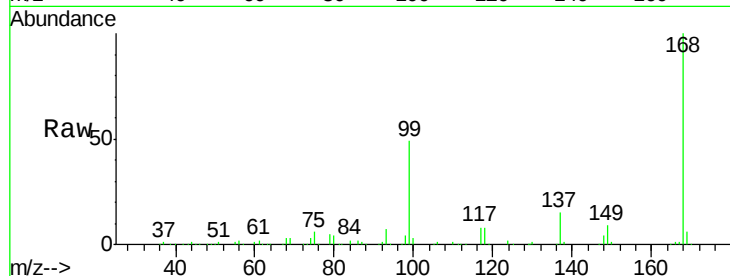
WP022RW349-180702

Tot Ion:168 Resp: 302828

Ion Ratio Lower Upper

168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

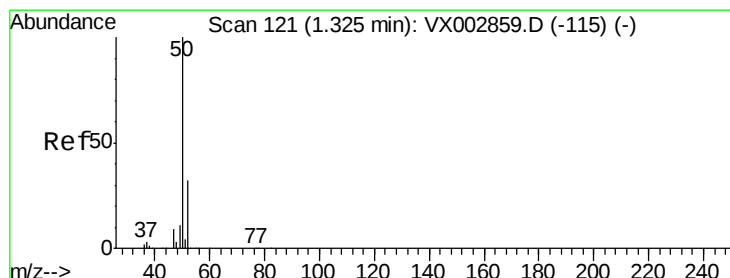
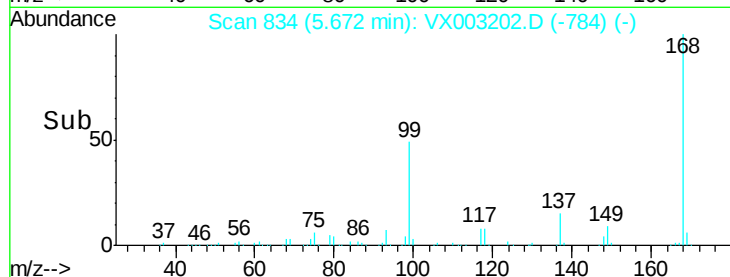
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 12.40 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003202.D

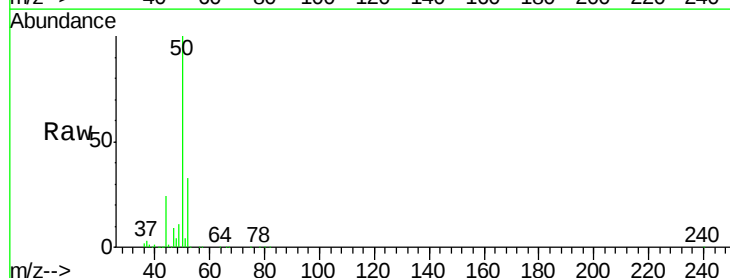
Acq: 06 Jul 2018 05:27

Tgt Ion: 50 Resp: 37336

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

40000

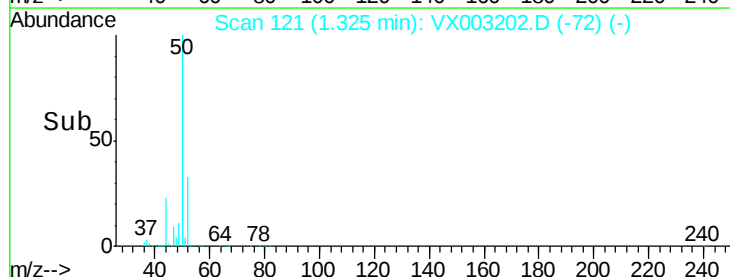
30000

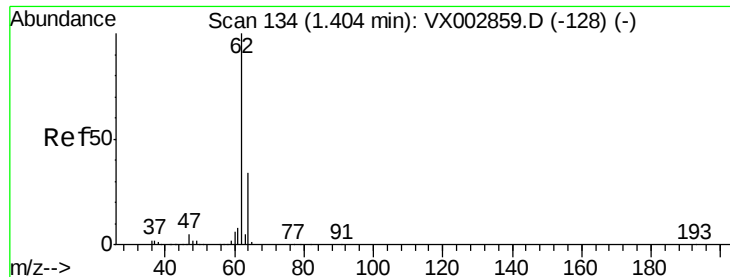
20000

10000

0

Time--> 1.25 1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 1.79 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

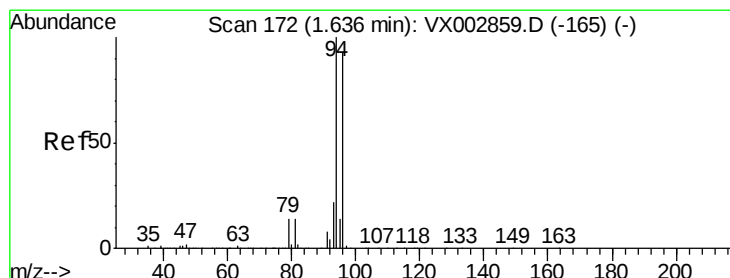
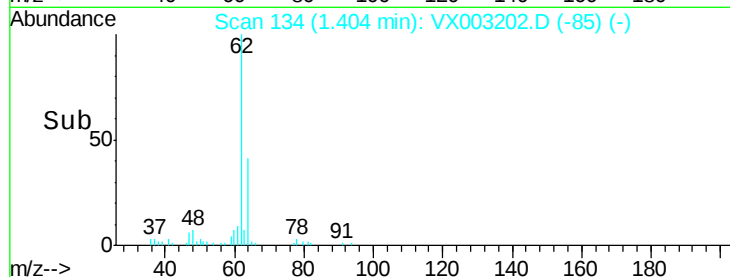
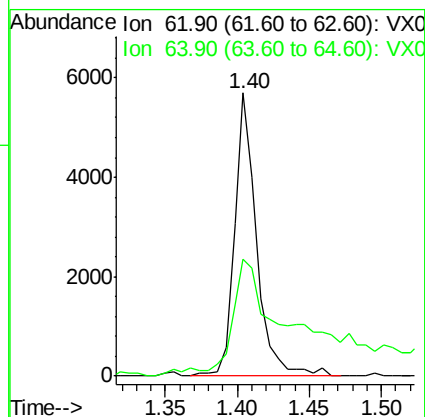
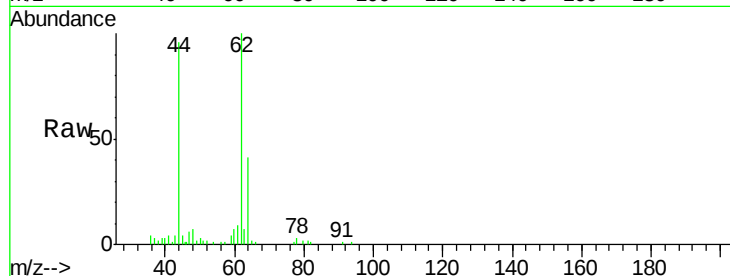
WP022RW349-180702

Tot Ion: 62 Resp: 6122

Ion Ratio Lower Upper

62 100

64 38.4 25.4 38.2#



#5

Bromomethane

Concen: 25.98 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003202.D

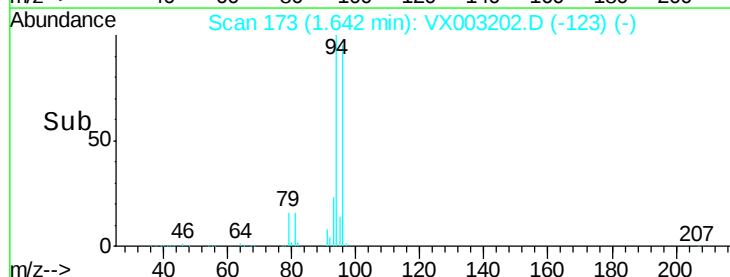
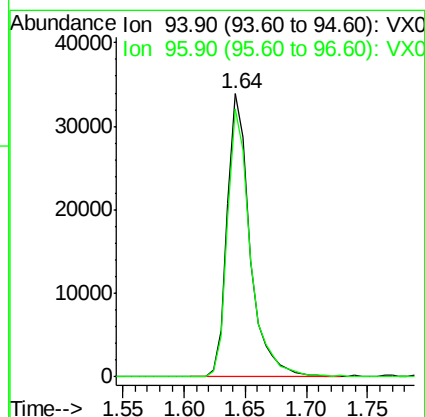
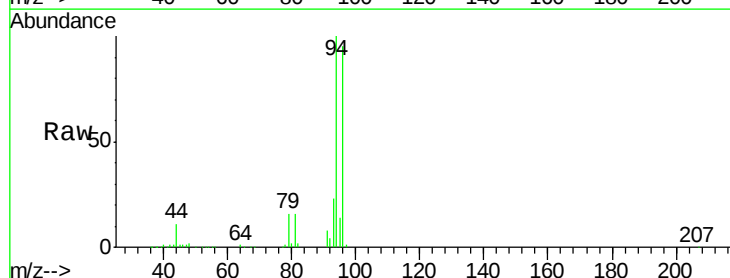
Acq: 06 Jul 2018 05:27

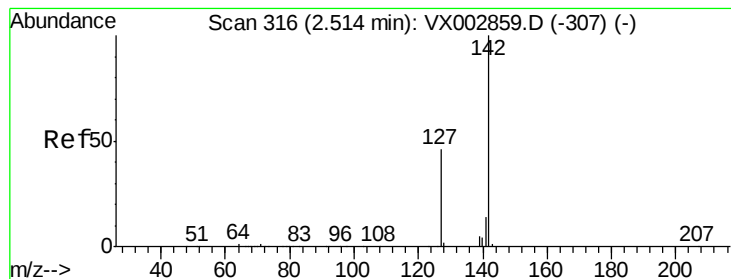
Tgt Ion: 94 Resp: 43617

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3





#10

Methvl Iodide

Concen: 482.16 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-180702

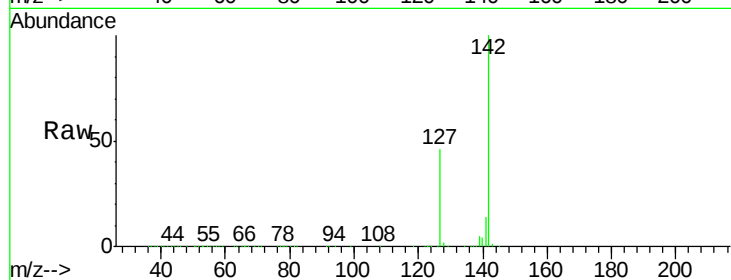
Tot Ion:142 Resp: 1845342

Ion Ratio Lower Upper

142 100

127 43.4 36.6 55.0

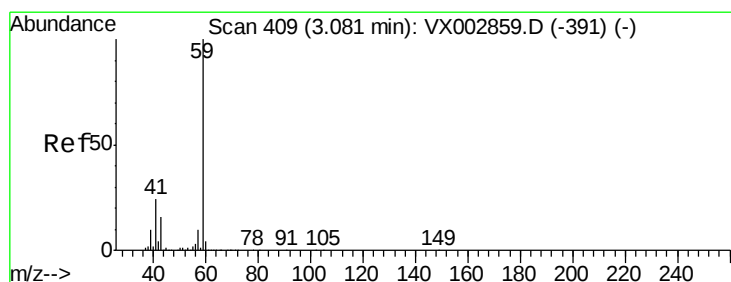
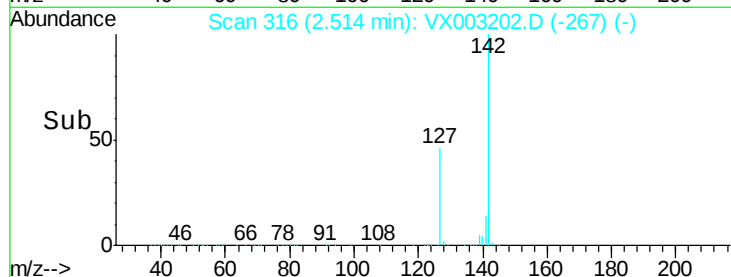
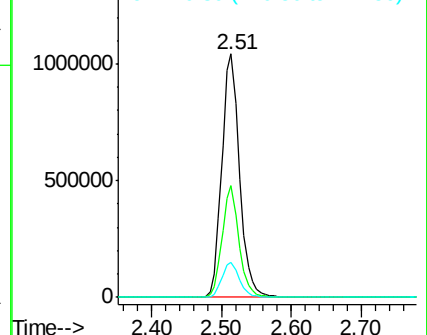
141 14.1 11.3 16.9



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: 15.61 ug/l

RT: 3.08 min Scan# 409

Delta R.T. 0.00 min

Lab File: VX003202.D

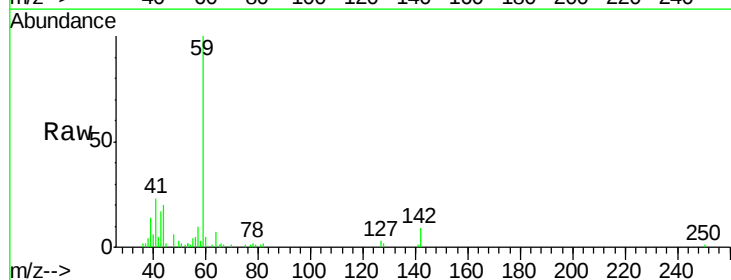
Acq: 06 Jul 2018 05:27

Tgt Ion: 59 Resp: 13012

Ion Ratio Lower Upper

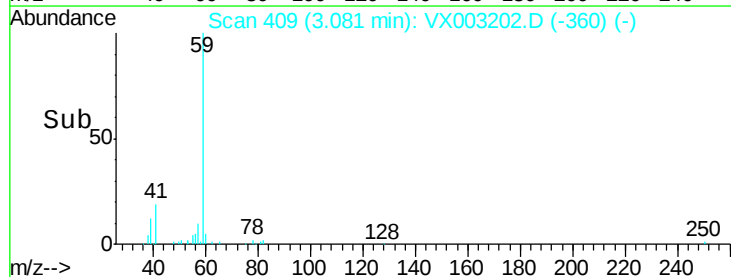
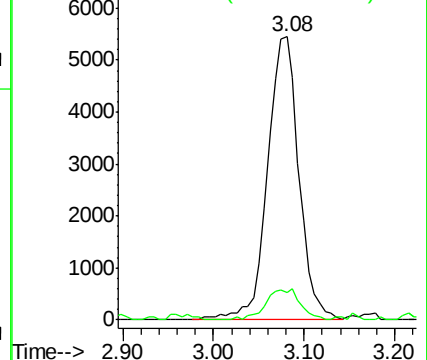
59 100

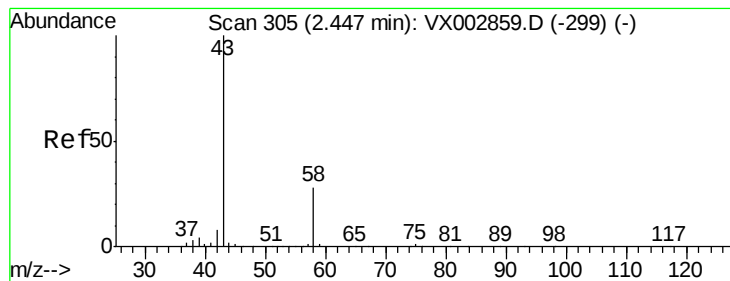
57 12.0 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 617.93 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

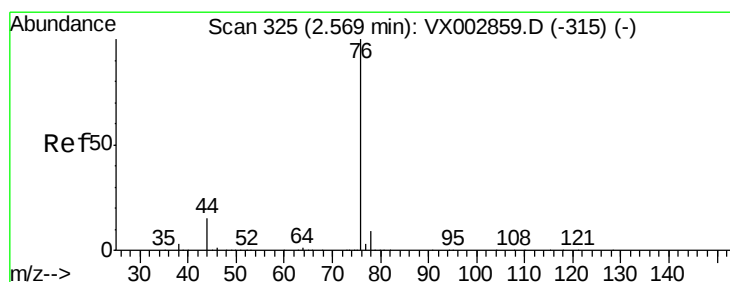
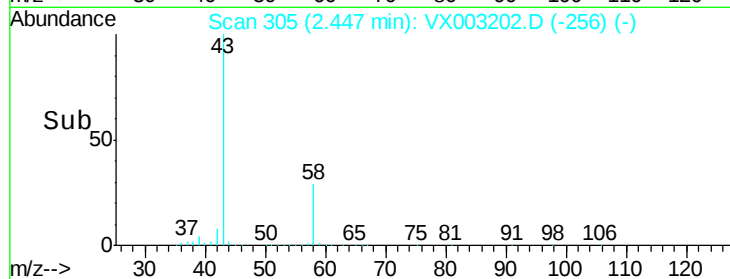
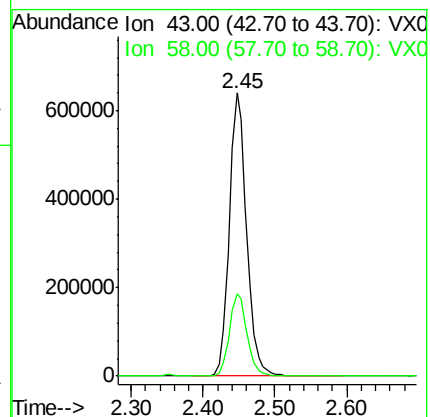
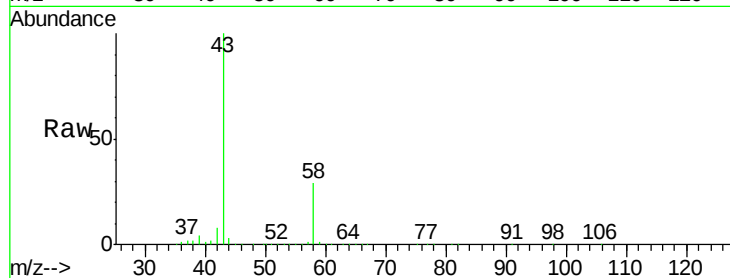
WP022RW349-180702

Tot Ion: 43 Resp: 1071121

Ion Ratio Lower Upper

43 100

58 29.2 22.1 33.1



#17

Carbon Disulfide

Concen: 5.15 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003202.D

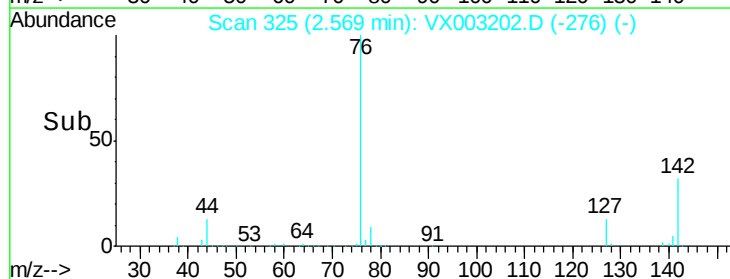
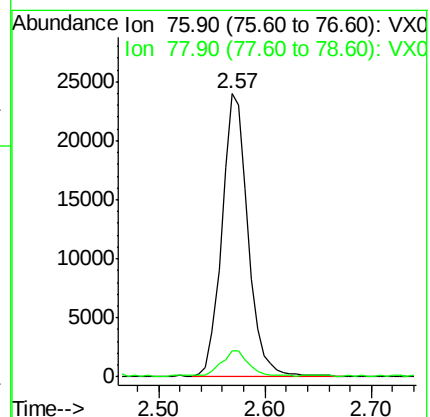
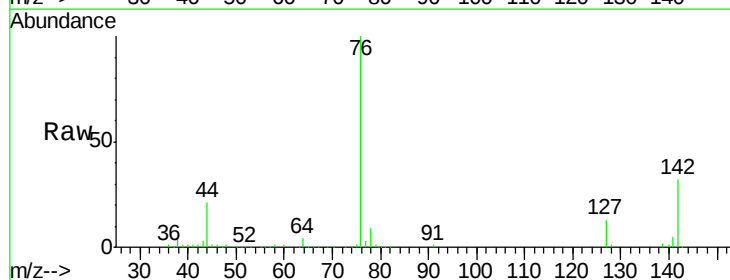
Acq: 06 Jul 2018 05:27

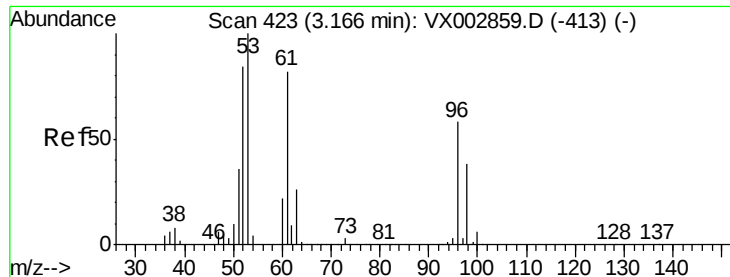
Tgt Ion: 76 Resp: 40962

Ion Ratio Lower Upper

76 100

78 9.0 6.9 10.3





#21

trans-1,2-Dichloroethene

Concen: 0.89 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-180702

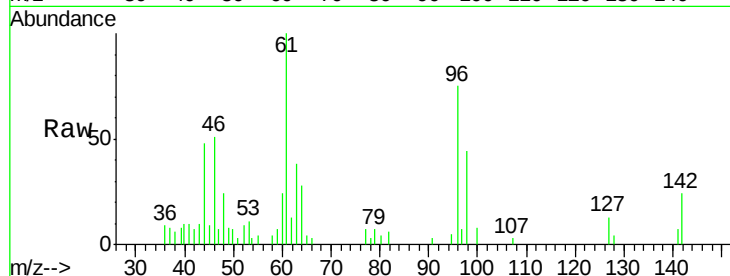
Tot Ion: 96 Resp: 2894

Ion Ratio Lower Upper

96 100

61 133.0 117.0 175.4

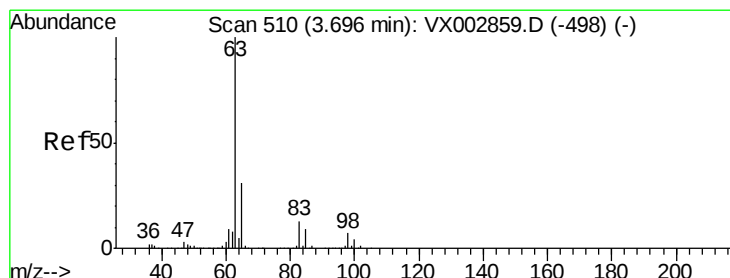
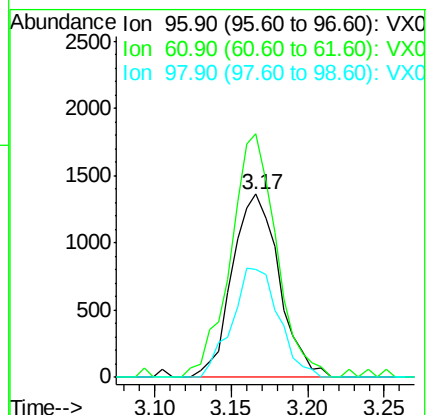
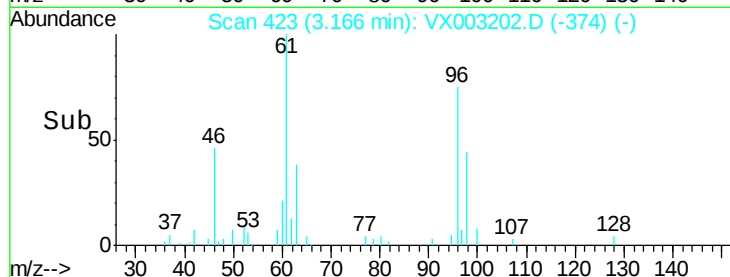
98 58.6 52.4 78.6



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: 4.64 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

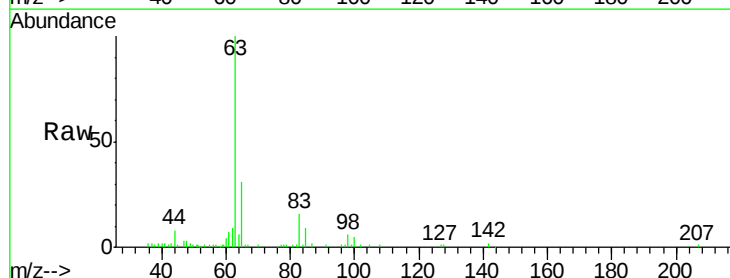
Tgt Ion: 63 Resp: 28394

Ion Ratio Lower Upper

63 100

98 5.9 3.4 10.2

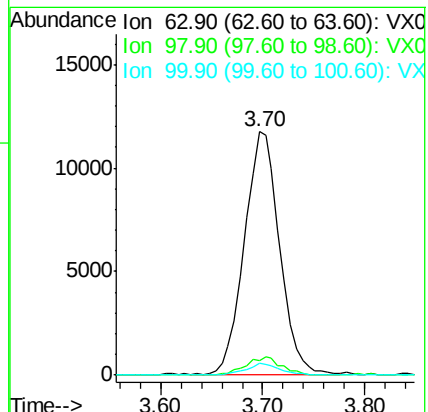
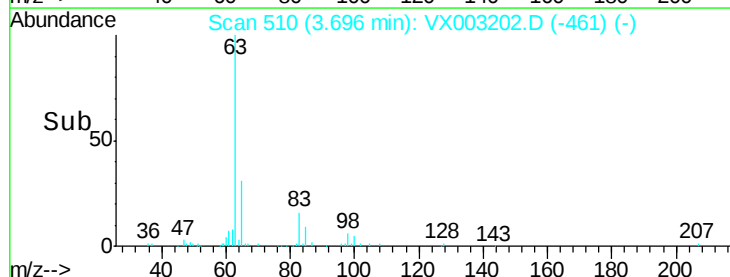
100 5.1 2.0 6.0

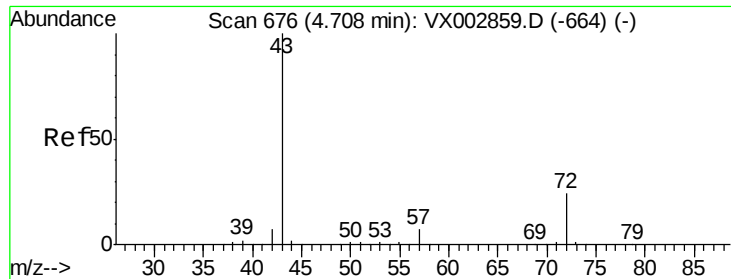


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 64.93 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

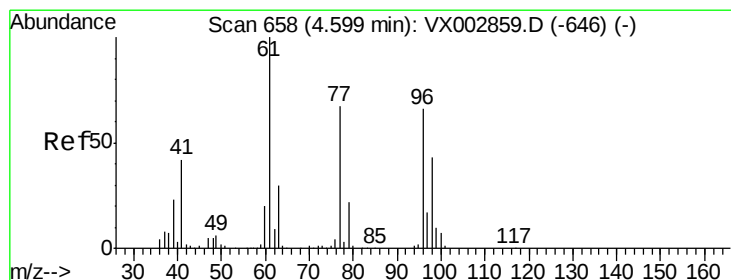
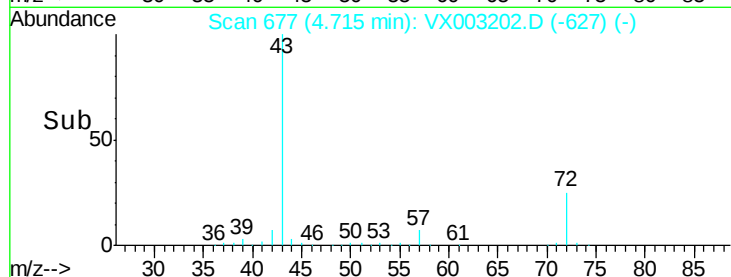
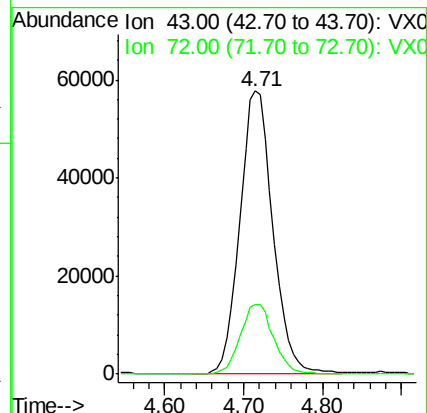
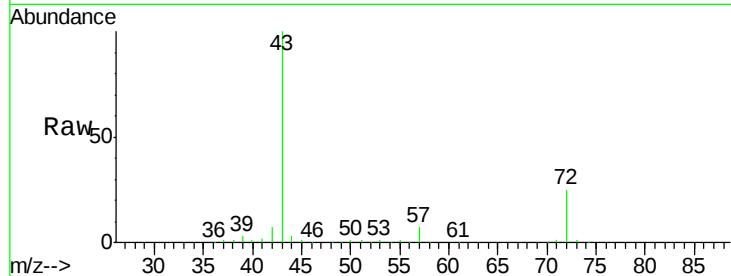
WP022RW349-180702

Tot Ion: 43 Resp: 167048

Ion Ratio Lower Upper

43 100

72 24.6 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 5.29 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

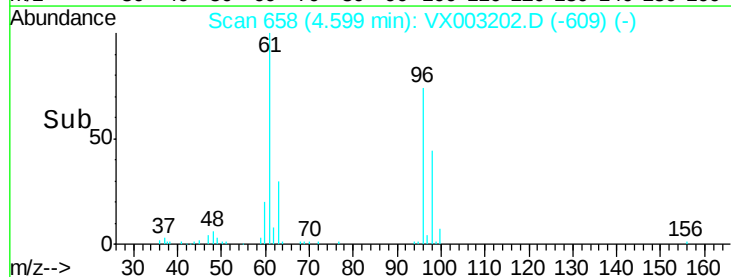
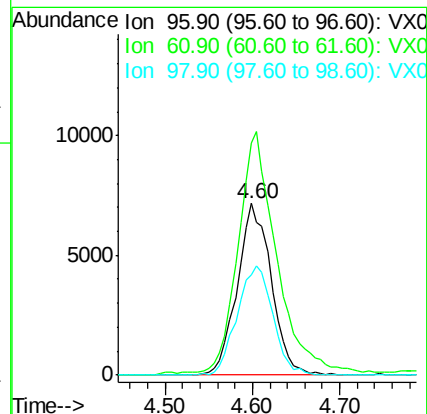
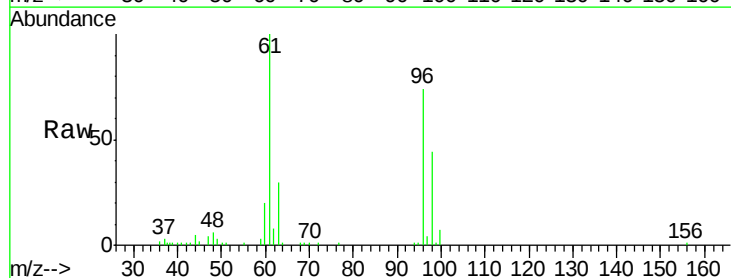
Tgt Ion: 96 Resp: 19308

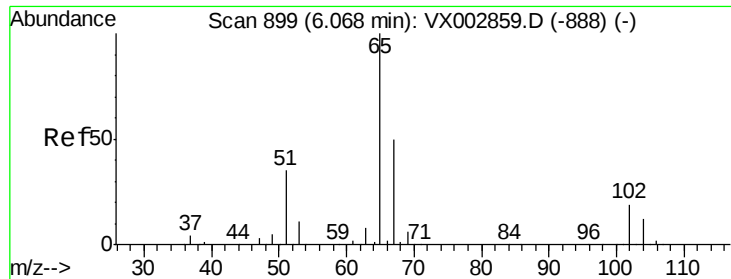
Ion Ratio Lower Upper

96 100

61 161.0 0.0 330.2

98 66.4 0.0 130.2

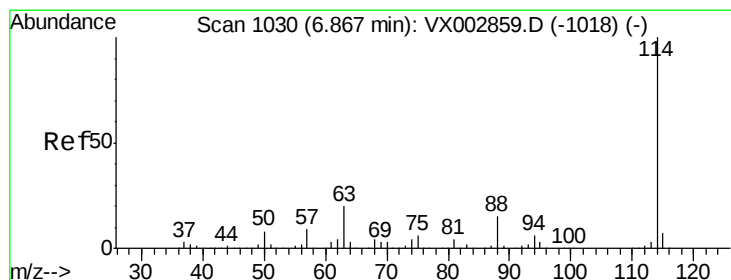
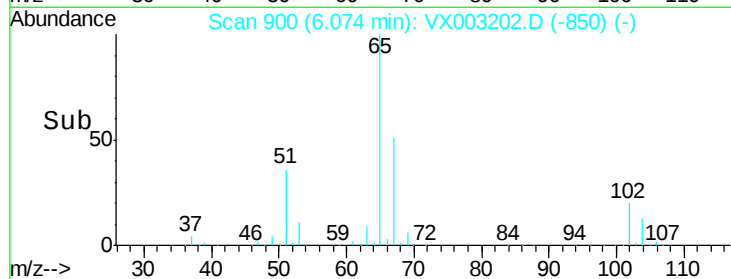
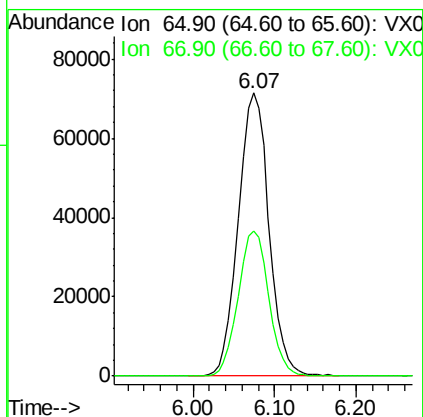
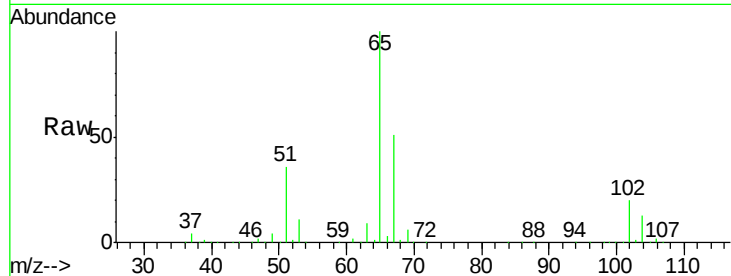




#33
 1,2-Dichloroethane-d4
 Concen: 44.61 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003202.D
 Acq: 06 Jul 2018 05:27

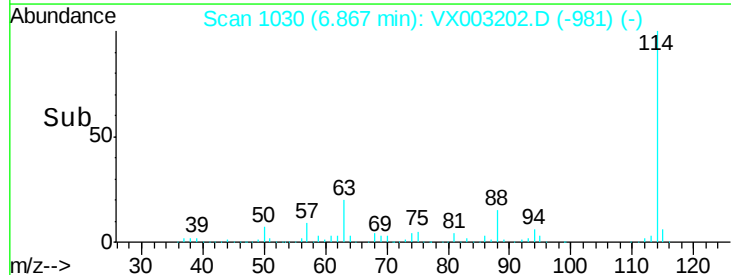
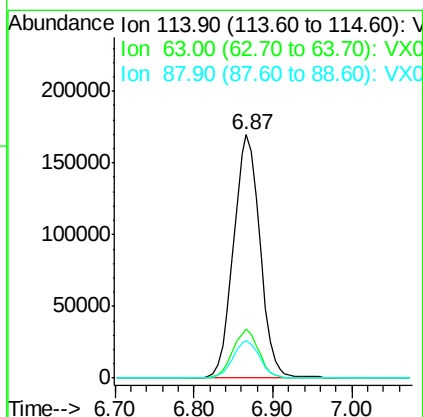
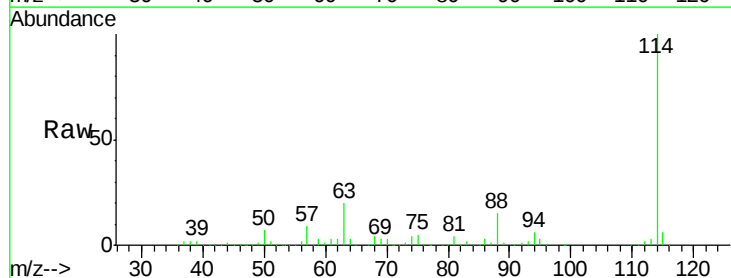
Instrument :
 MSVOA_X
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 WP022RW349-180702

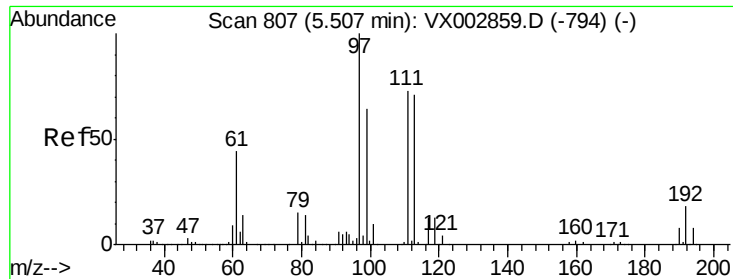
Tot Ion: 65 Resp: 186740
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003202.D
 Acq: 06 Jul 2018 05:27

Tgt Ion: 114 Resp: 397178
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.96 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-180702

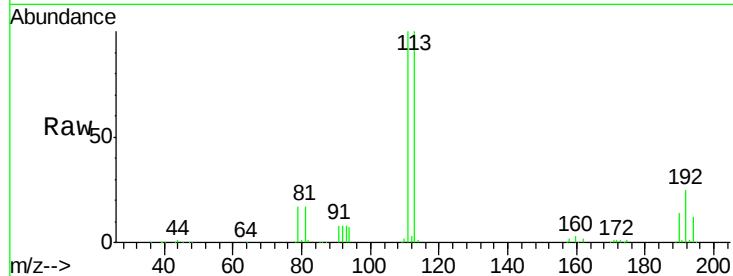
Tot Ion:113 Resp: 163422

Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

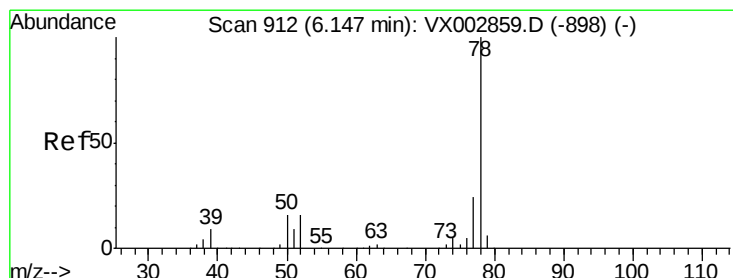
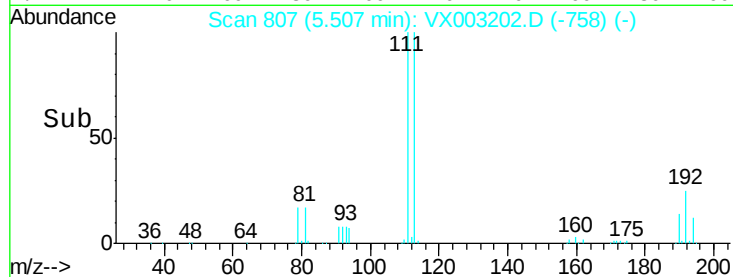
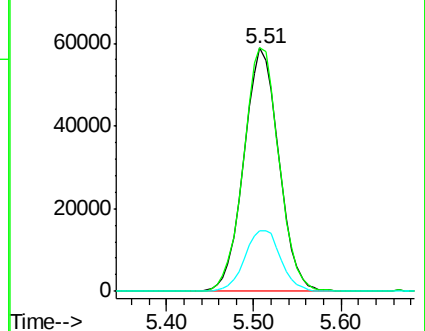
192 25.9 19.1 28.7



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: 2.99 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX003202.D

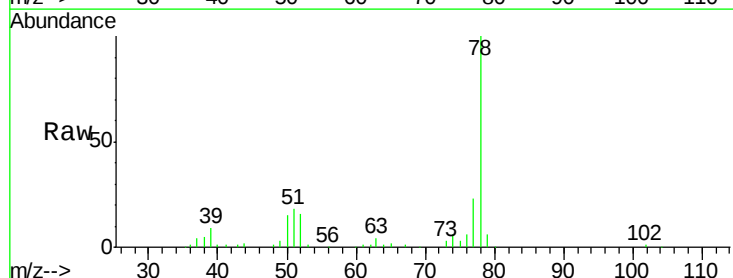
Acq: 06 Jul 2018 05:27

Tgt Ion: 78 Resp: 37868

Ion Ratio Lower Upper

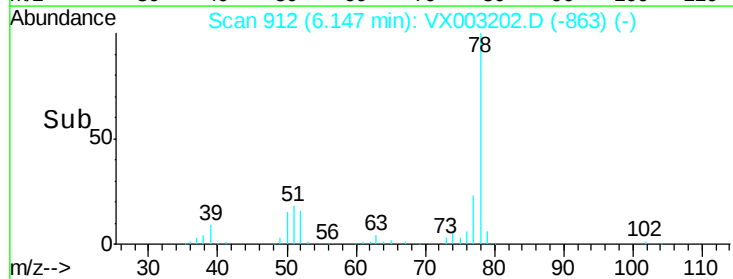
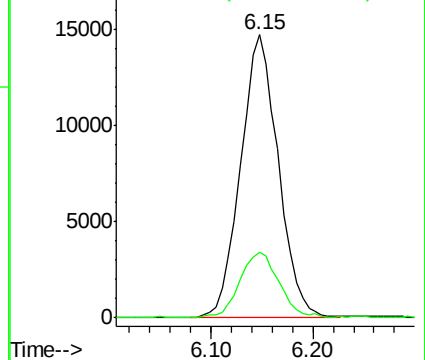
78 100

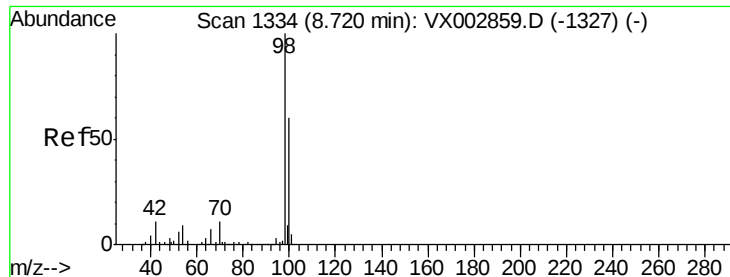
77 23.1 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

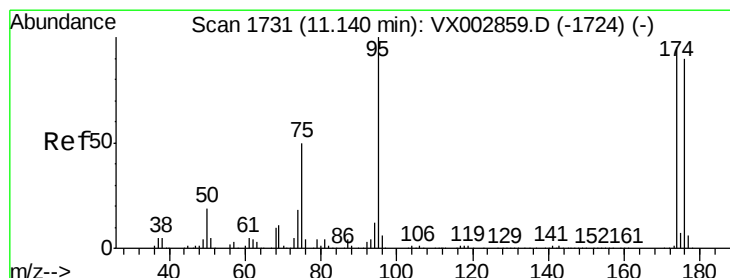
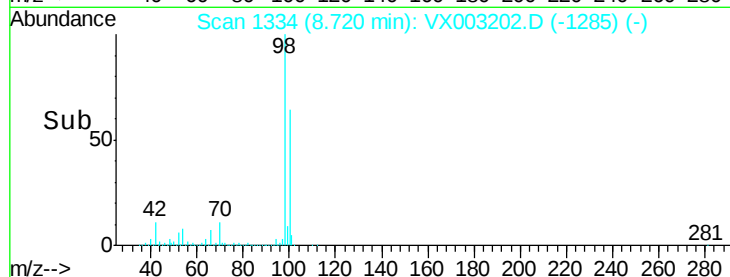
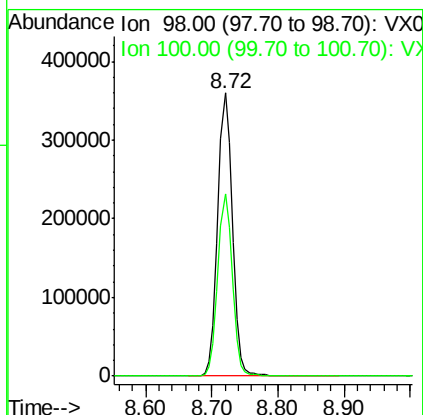
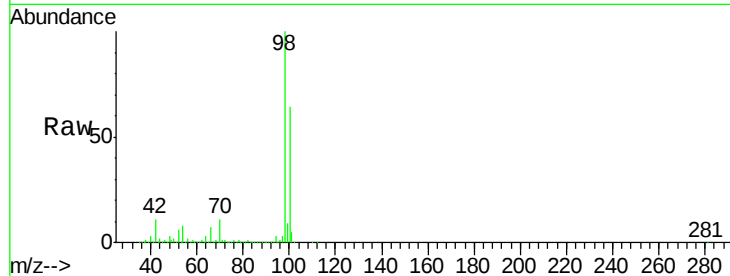




#50
Toluene-d8
Concen: 48.06 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003202.D
Acq: 06 Jul 2018 05:27

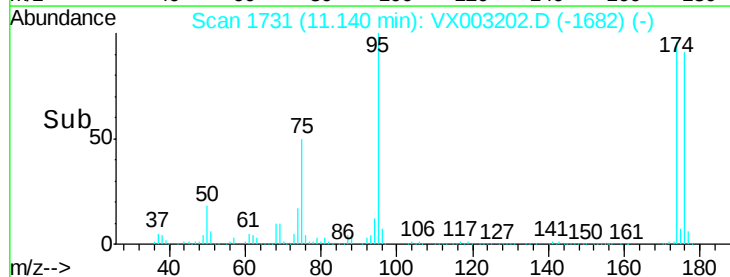
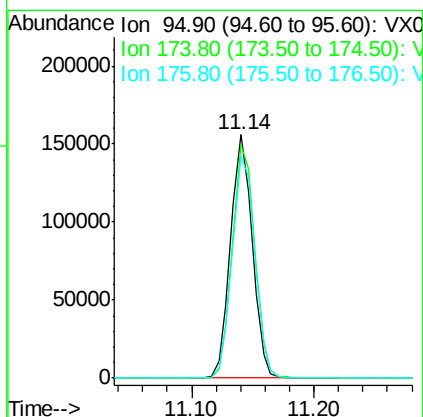
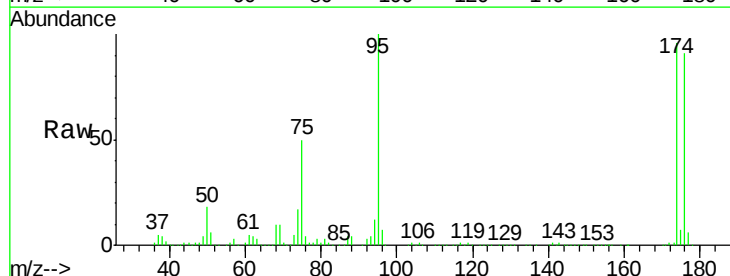
Instrument :
MSVOA_X
ClientSampleId :
WP022RW349-180702

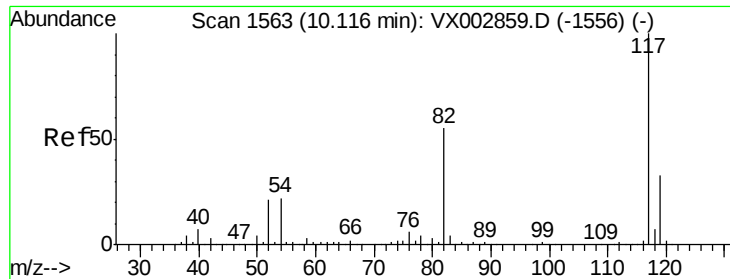
Tot Ion: 98 Resp: 551980
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 43.17 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003202.D
Acq: 06 Jul 2018 05:27

Tgt Ion: 95 Resp: 191215
Ion Ratio Lower Upper
95 100
174 99.1 0.0 187.4
176 94.8 0.0 181.0

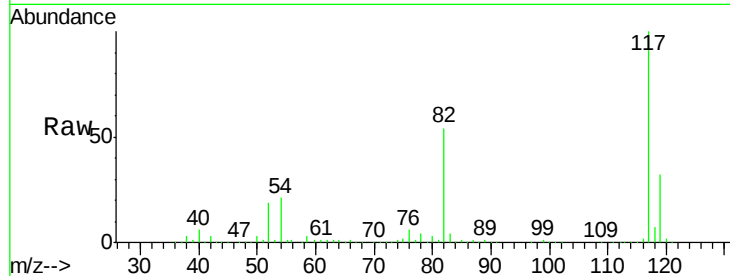




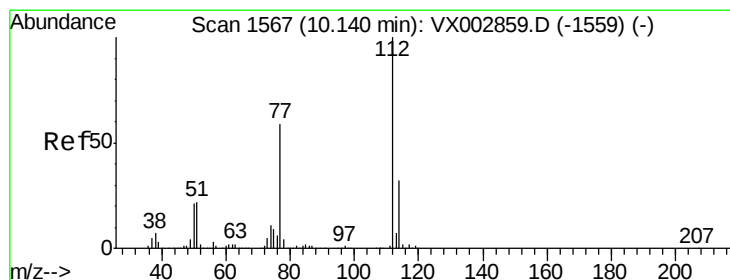
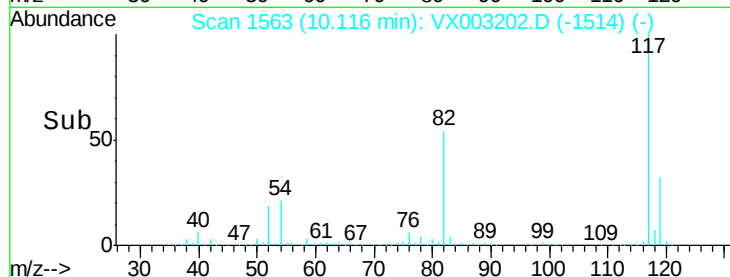
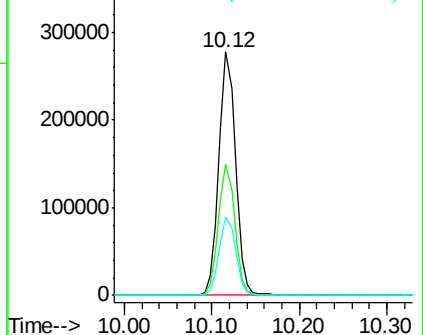
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003202.D
Acq: 06 Jul 2018 05:27

Instrument :
MSVOA_X
ClientSampleId :
WP022RW349-180702

Tot Ion:117 Resp: 365391
Ion Ratio Lower Upper
117 100
82 53.8 45.0 67.4
119 32.3 25.8 38.6

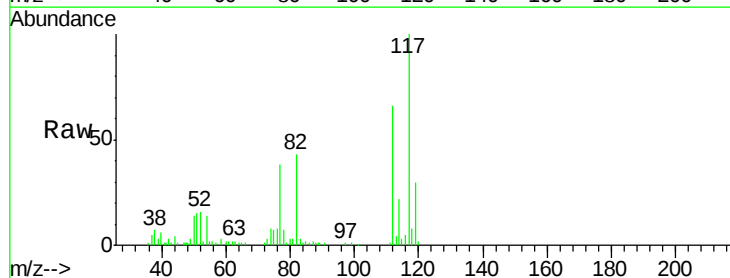


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

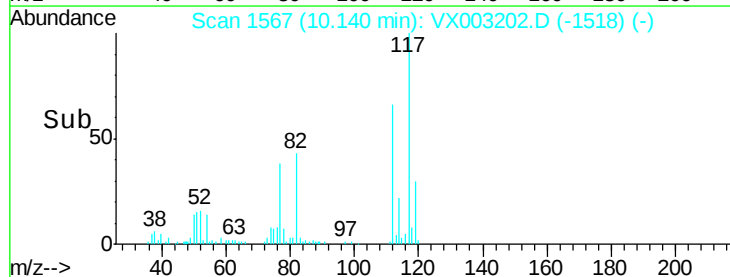
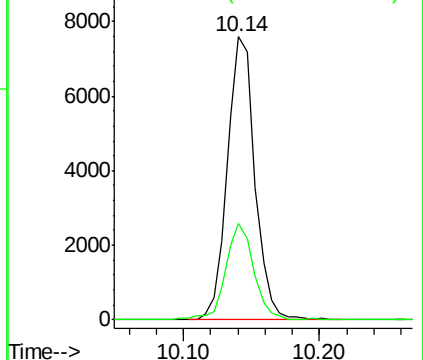


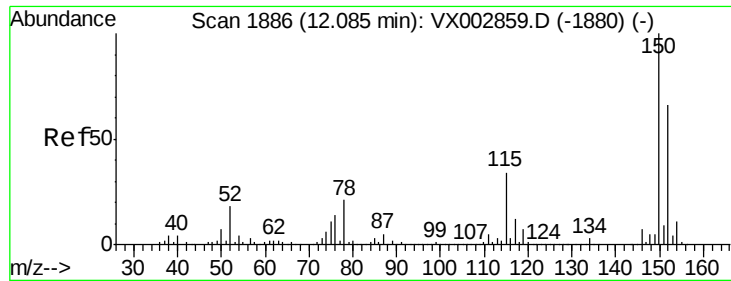
#65
Chlorobenzene
Concen: 1.15 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003202.D
Acq: 06 Jul 2018 05:27

Tgt Ion:112 Resp: 10687
Ion Ratio Lower Upper
112 100
114 34.1 25.3 37.9



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: VX003202.D

Acq: 06 Jul 2018 05:27

Instrument :

MSVOA_X

ClientSampleId :

WP022RW349-180702

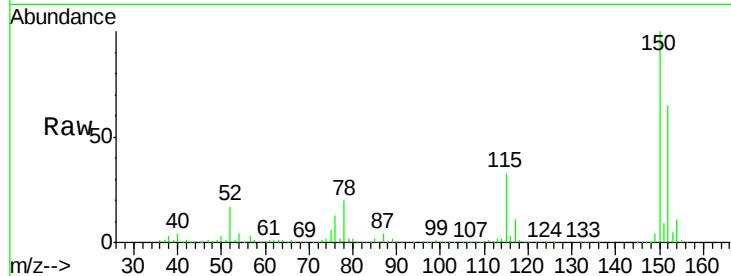
Tot Ion:152 Resp: 200862

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

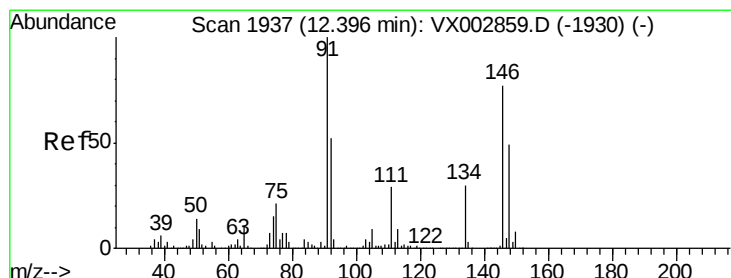
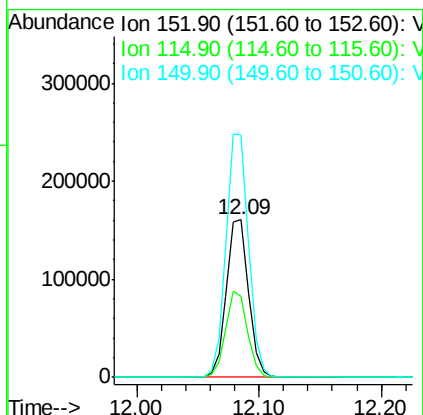
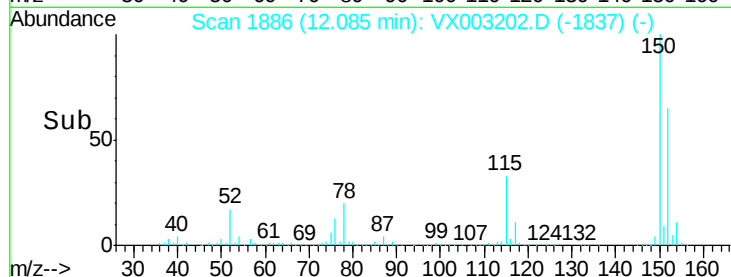
150 156.6 0.0 347.2



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: 1.38 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX003202.D

Acq: 06 Jul 2018 05:27

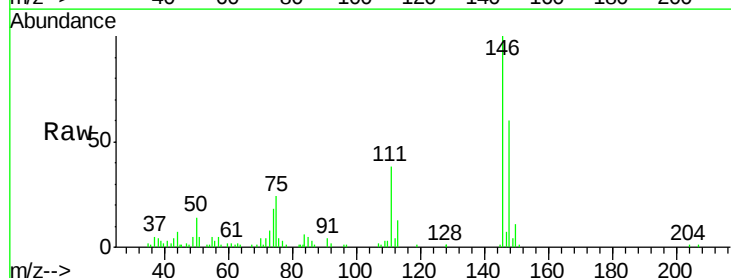
Tgt Ion:146 Resp: 9824

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.1

148 63.6 31.7 95.1



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

