

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053019\
 Data File : VX009968.D
 Acq On : 30 May 2019 18:12
 Operator : JC/SP
 Sample : K3104-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 251810

Quant Time: May 31 05:36:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	168311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	268332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105922	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115775	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	
35) Dibromofluoromethane	5.50	113	83837	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
50) Toluene-d8	8.71	98	342294	49.97	ug/l	0.00
Spiked Amount			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	11.13	95	116973	47.54	ug/l	0.00
Spiked Amount			Recovery	=	95.08%	

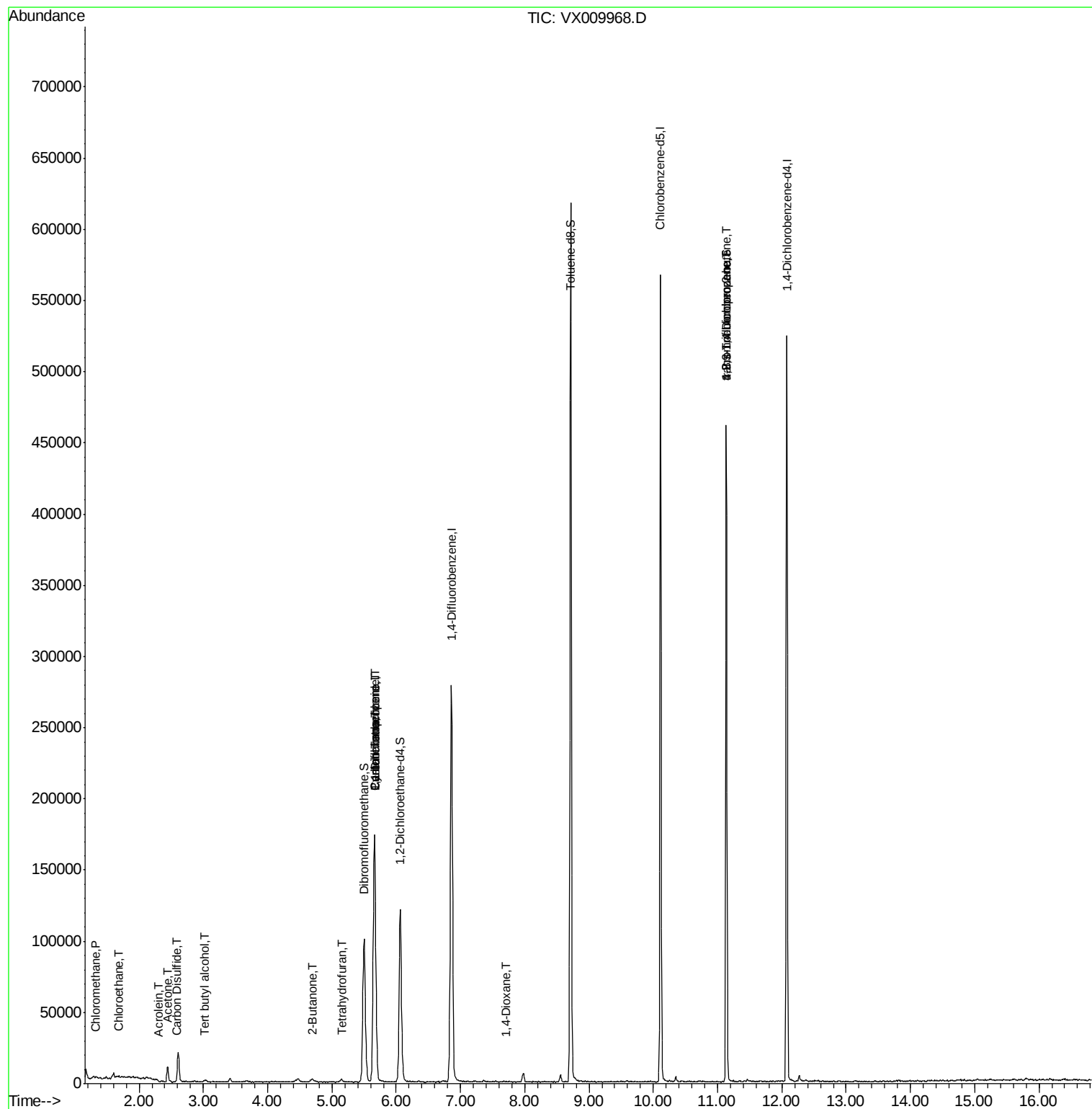
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	623	0.225	ug/l #	85
6) Chloroethane	1.69	64	4545	2.962	ug/l #	49
11) Tert butyl alcohol	3.03	59	1401	2.394	ug/l #	88
13) Acrolein	2.31	56	22	21.145	ug/l #	1
16) Acetone	2.45	43	11678	8.501	ug/l	95
17) Carbon Disulfide	2.57	76	543	0.489	ug/l #	76
25) 2-Butanone	4.69	43	2446	1.143	ug/l #	84
29) Tetrahydrofuran	5.15	42	1646	1.199	ug/l #	89
31) Cyclohexane	5.67	56	4028	1.113	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13425	4.931	ug/l #	50
38) Carbon Tetrachloride	5.67	117	16126	6.854	ug/l #	16
49) 1,4-Dioxane	7.71	88	19	0.337	ug/l #	60
76) 1,2,3-Trichloropropane	11.13	75	59897	23.647	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59897	58.507	ug/l #	10

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

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QLast Update : Wed May 29 04:00:56 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

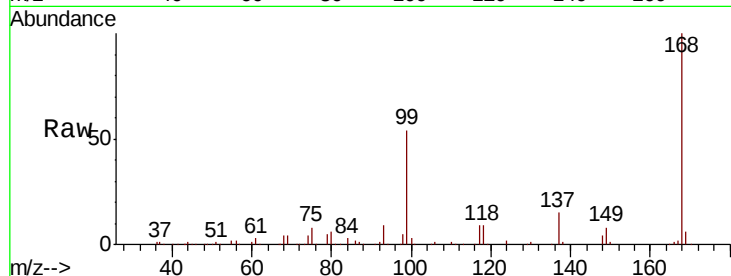
251810

Tot Ion:168 Resp: 168311

Ion Ratio Lower Upper

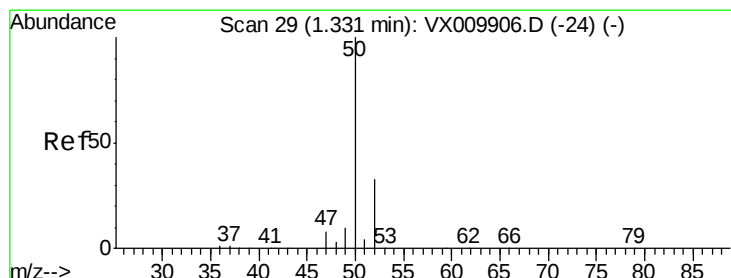
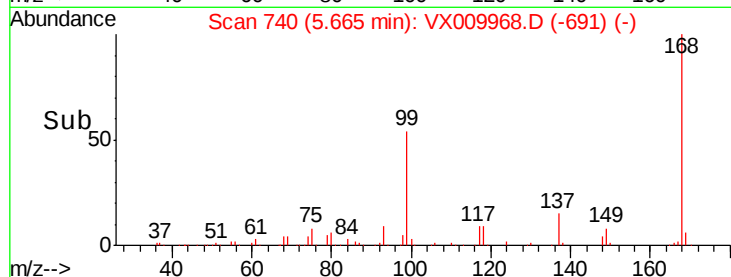
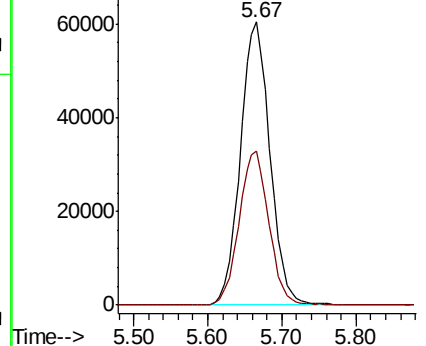
168 100

99 54.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.225 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX009968.D

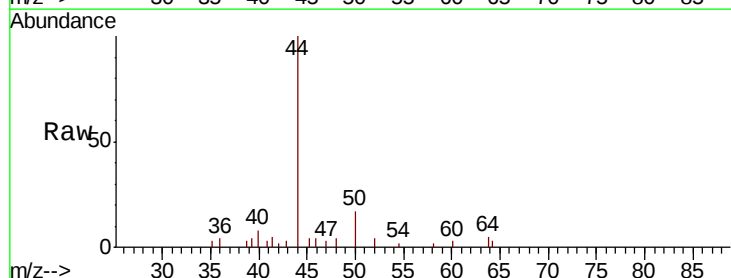
Acq: 30 May 2019 18:12

Tgt Ion: 50 Resp: 623

Ion Ratio Lower Upper

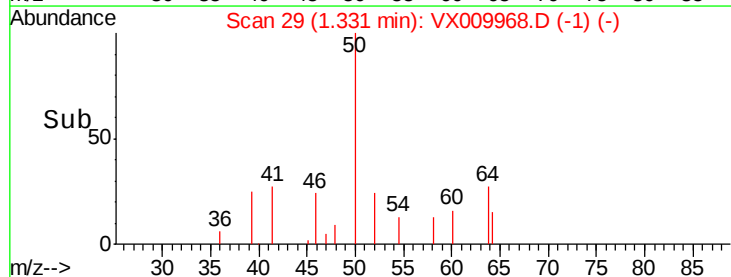
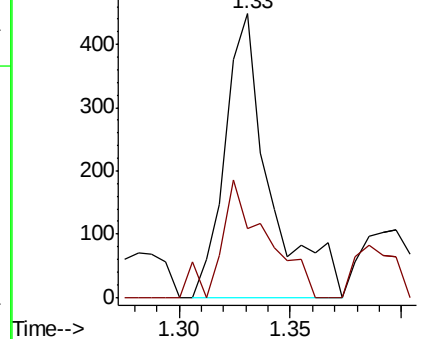
50 100

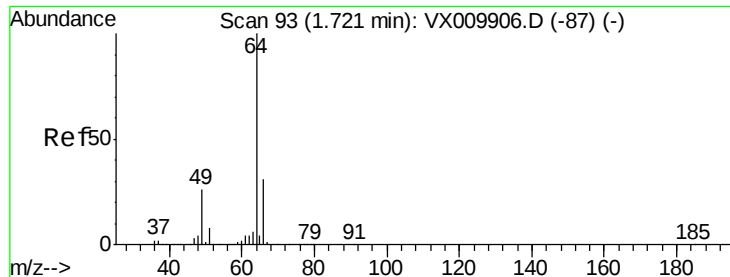
52 24.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 2.962 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.03 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampled :

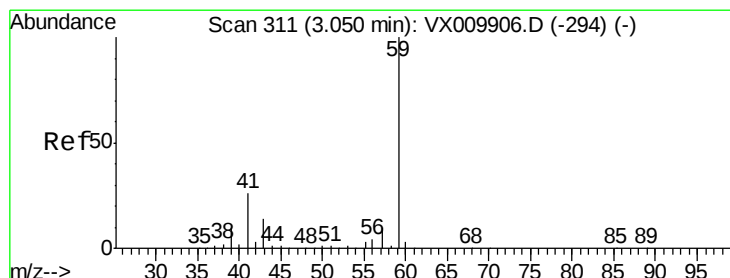
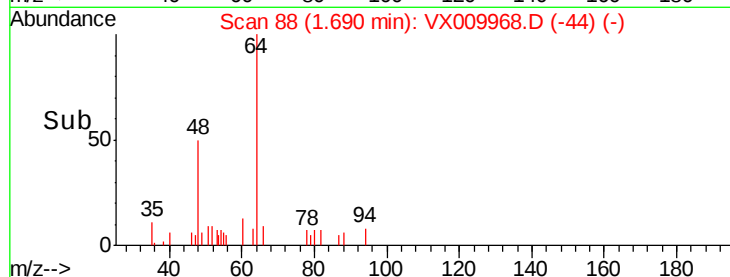
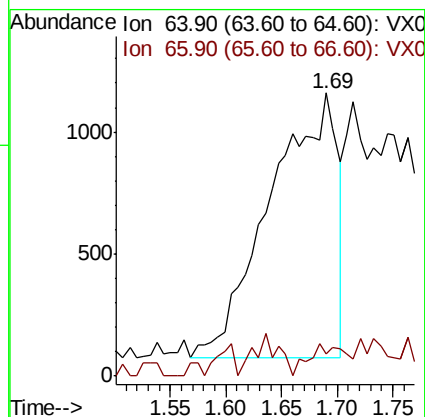
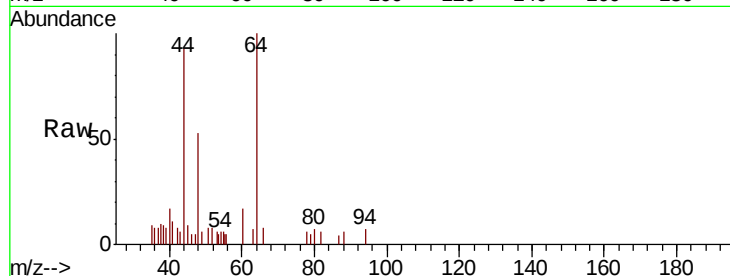
251810

Tot Ion: 64 Resp: 4545

Ion Ratio Lower Upper

64 100

66 3.1 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.394 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009968.D

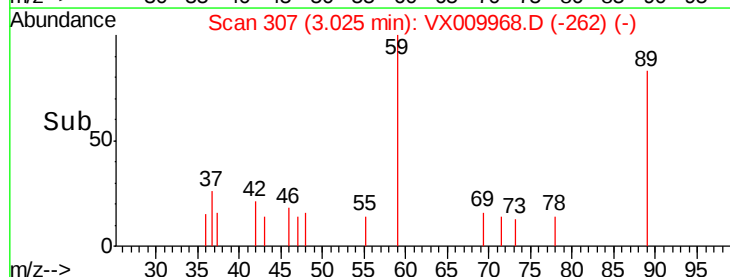
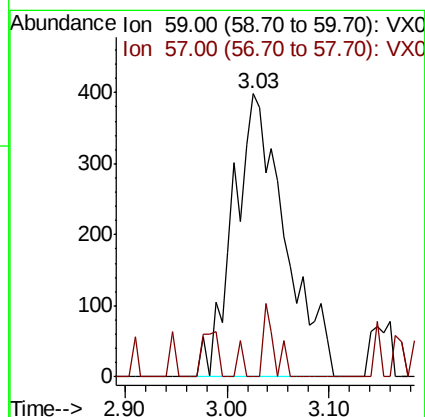
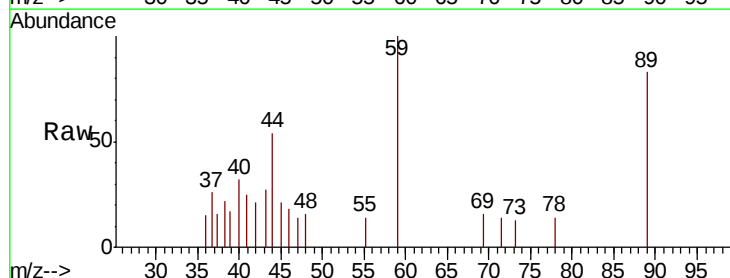
Acq: 30 May 2019 18:12

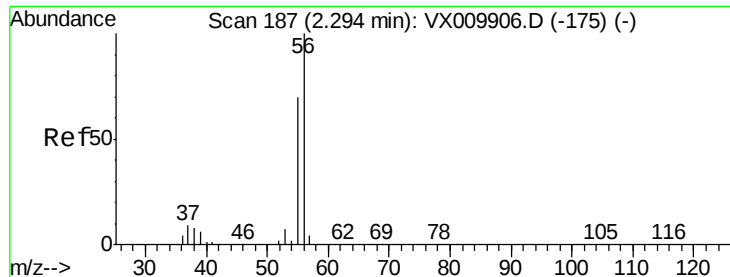
Tgt Ion: 59 Resp: 1401

Ion Ratio Lower Upper

59 100

57 5.7 8.2 12.2#





#13

Acrolein

Concen: 21.145 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

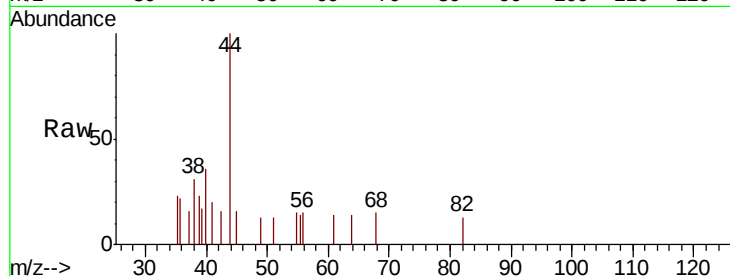
251810

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

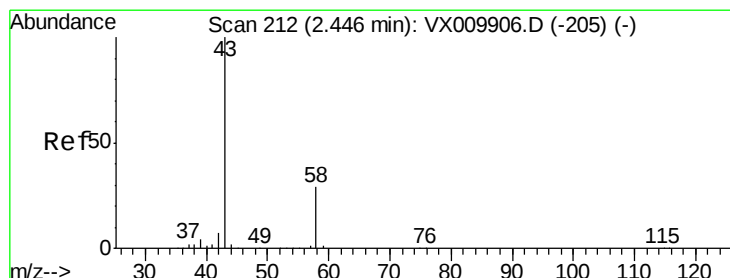
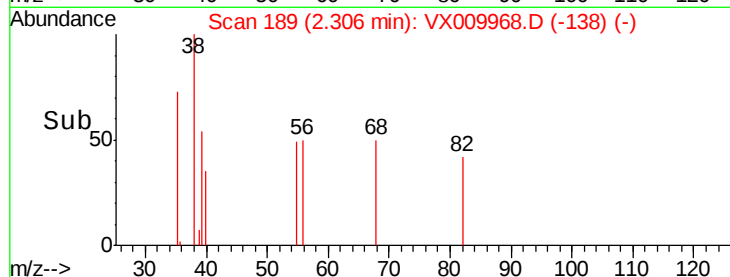
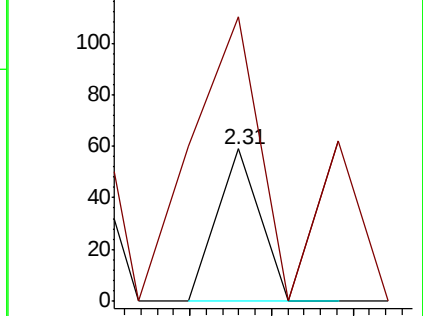
56 100

55 386.4 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 8.501 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009968.D

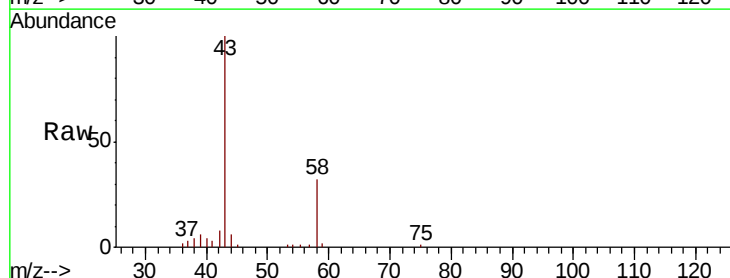
Acq: 30 May 2019 18:12

Tgt Ion: 43 Resp: 11678

Ion Ratio Lower Upper

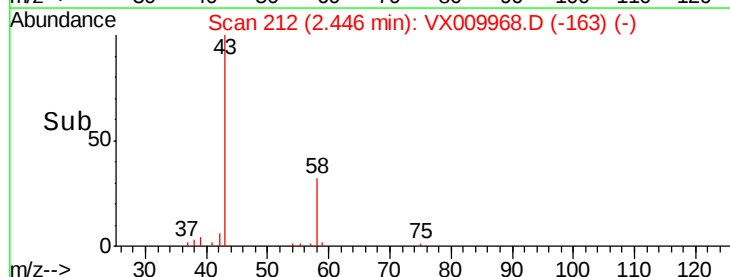
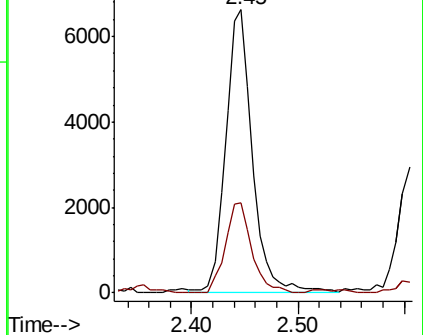
43 100

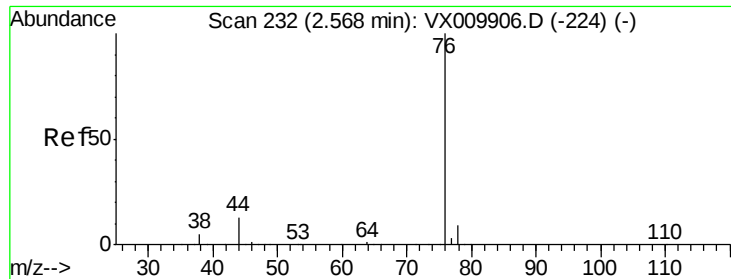
58 31.6 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.489 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

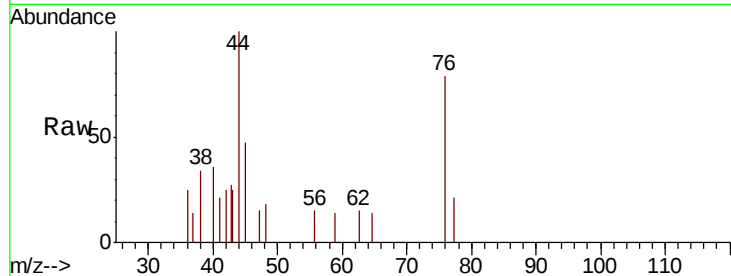
251810

Tot Ion: 76 Resp: 543

Ion Ratio Lower Upper

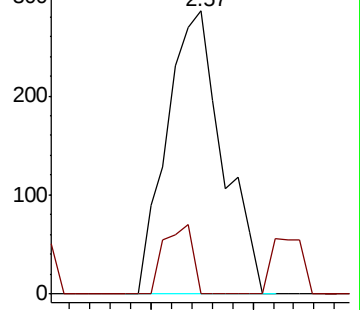
76 100

78 0.0 7.0 10.6#

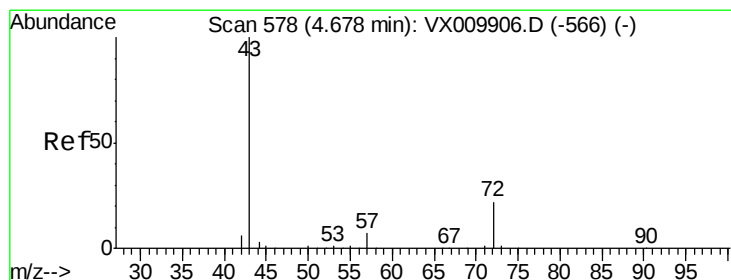
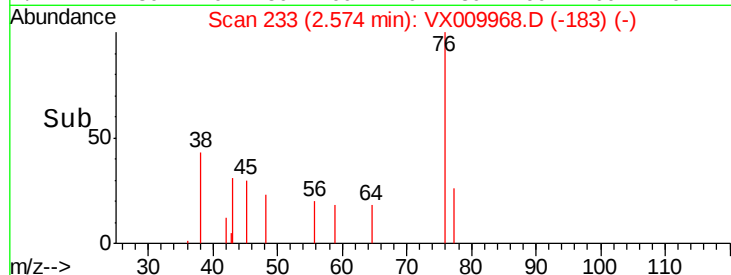


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#25

2-Butanone

Concen: 1.143 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.01 min

Lab File: VX009968.D

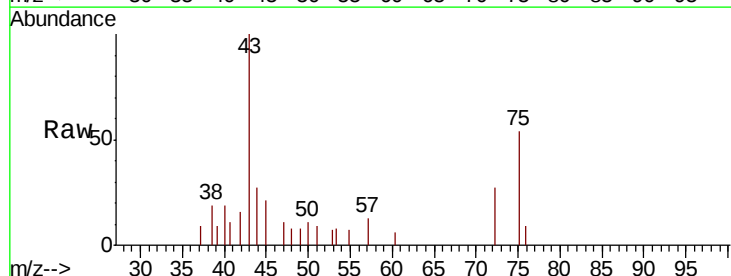
Acq: 30 May 2019 18:12

Tgt Ion: 43 Resp: 2446

Ion Ratio Lower Upper

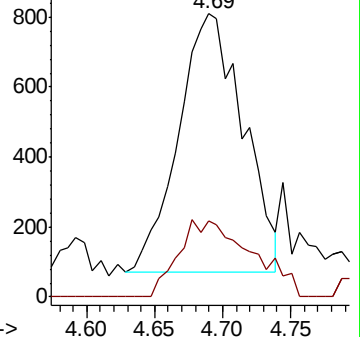
43 100

72 29.6 17.5 26.3#

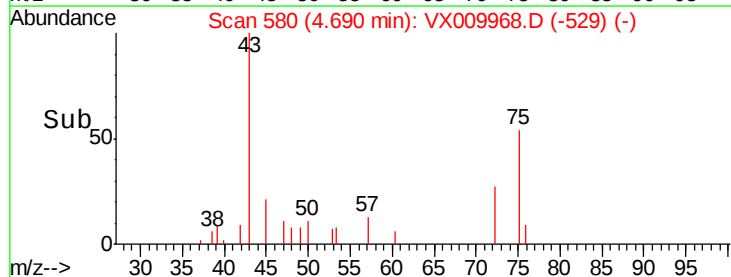


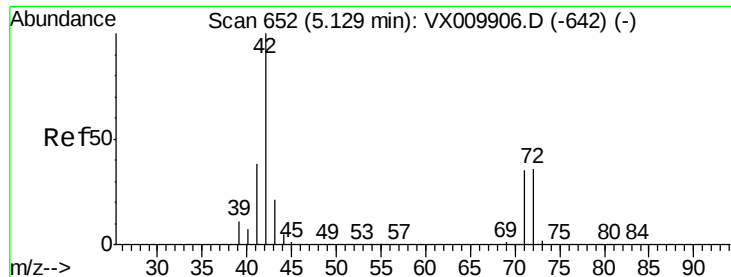
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->





#29

Tetrahydrofuran

Concen: 1.199 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

251810

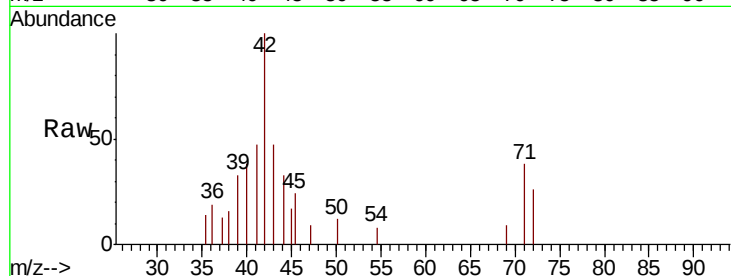
Tot Ion: 42 Resp: 1646

Ion Ratio Lower Upper

42 100

72 41.8 29.2 43.8

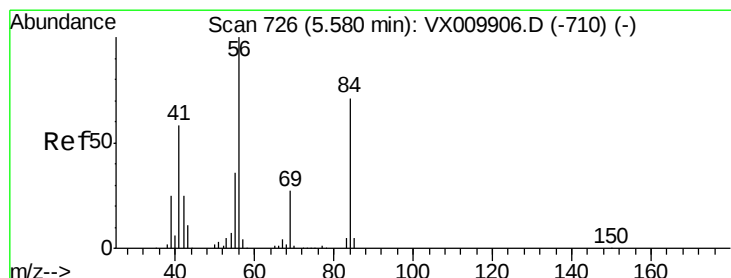
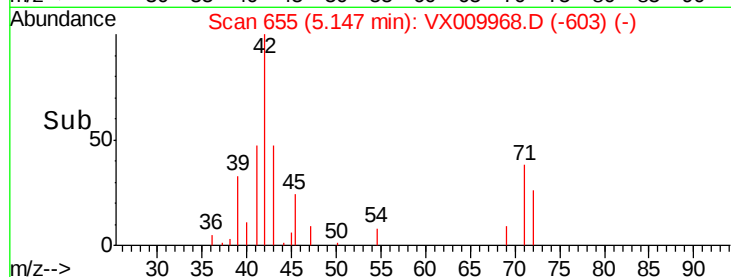
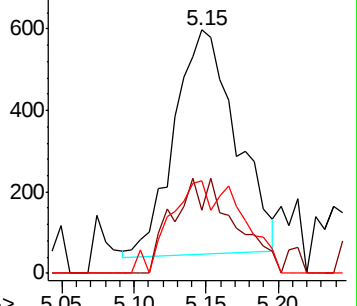
71 27.0 27.6 41.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.113 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

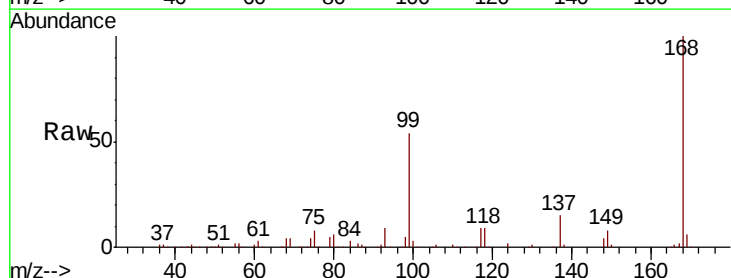
Tgt Ion: 56 Resp: 4028

Ion Ratio Lower Upper

56 100

69 144.7 21.6 32.4#

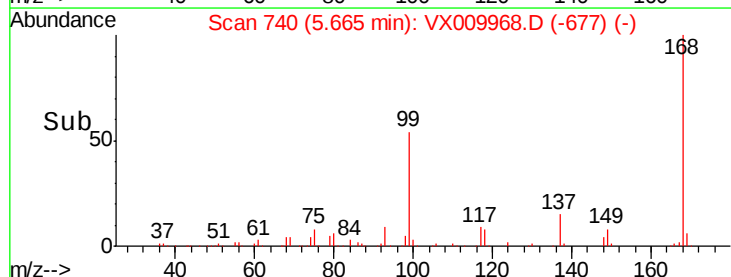
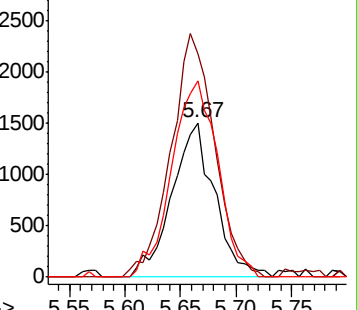
84 127.5 56.8 85.2#

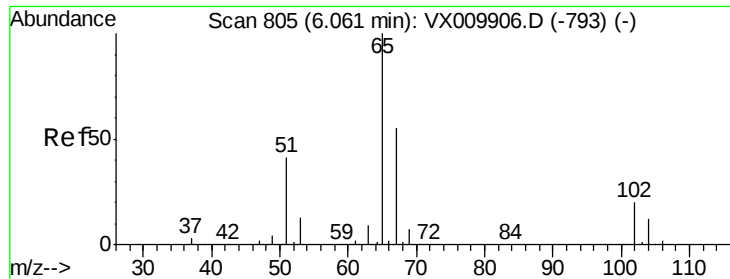


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

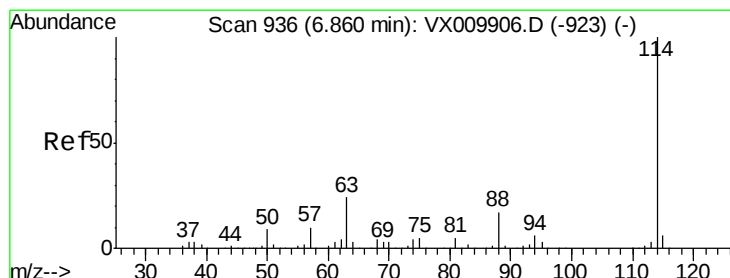
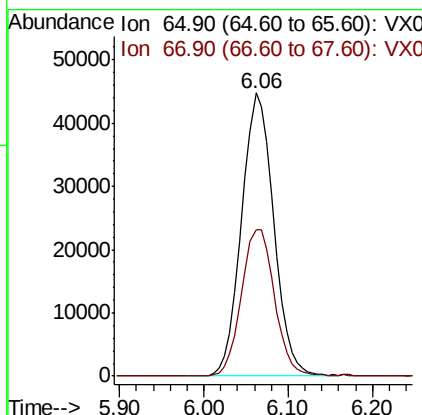
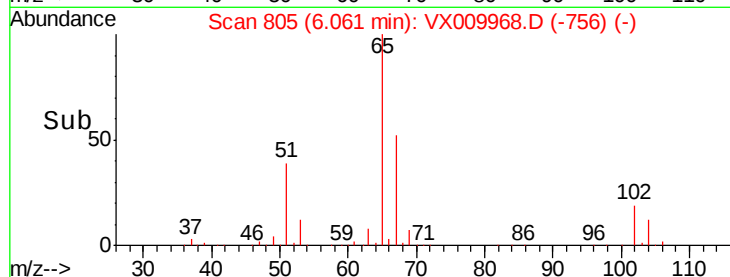
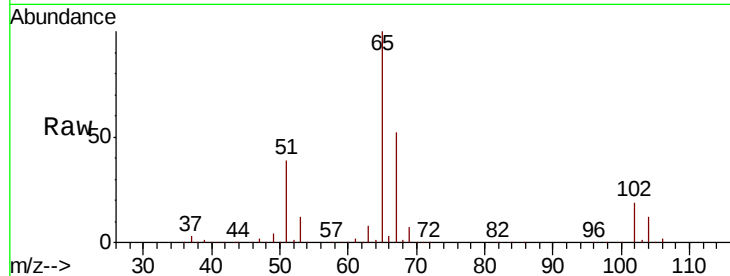




#33
 1,2-Dichloroethane-d4
 Concen: 48.695 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009968.D
 Acq: 30 May 2019 18:12

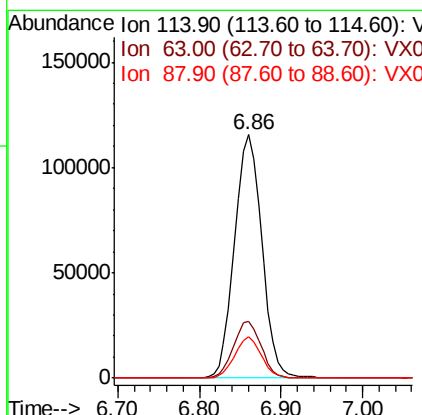
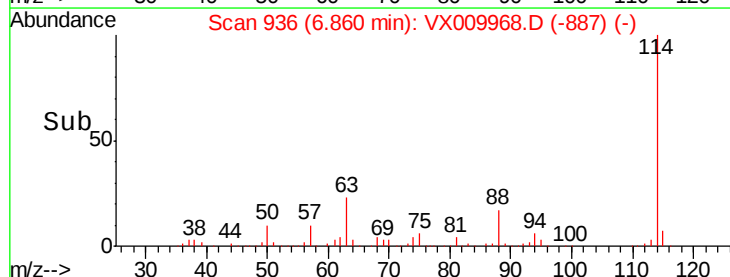
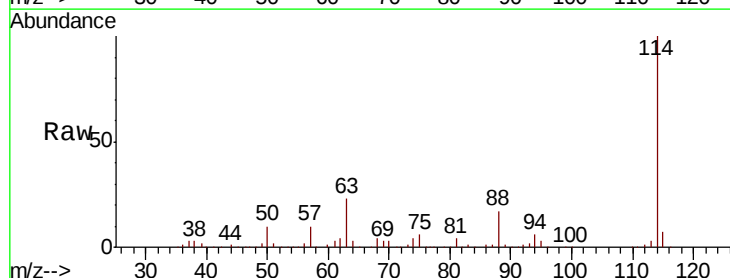
Instrument :
 MSVOA_X
 ClientSampled :
 251810

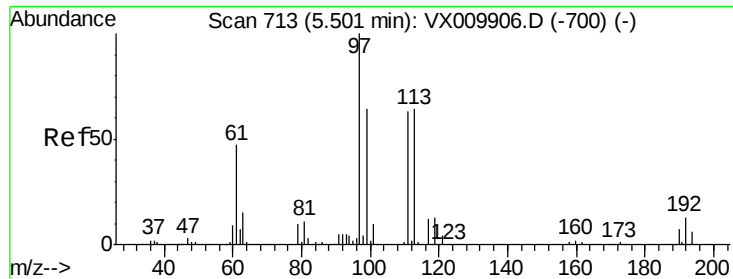
Tot Ion: 65 Resp: 115775
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009968.D
 Acq: 30 May 2019 18:12

Tgt Ion: 114 Resp: 268332
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.4
 88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.696 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

251810

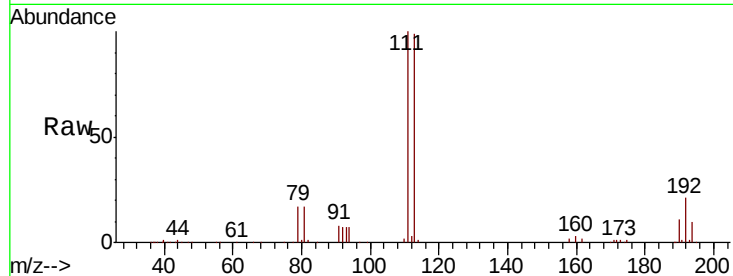
Tot Ion:113 Resp: 83837

Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

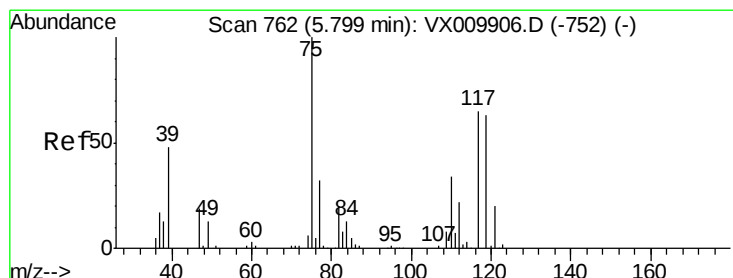
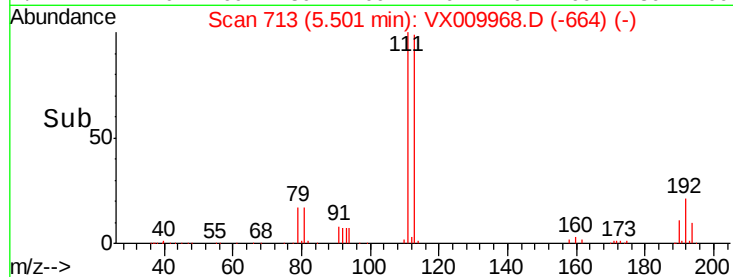
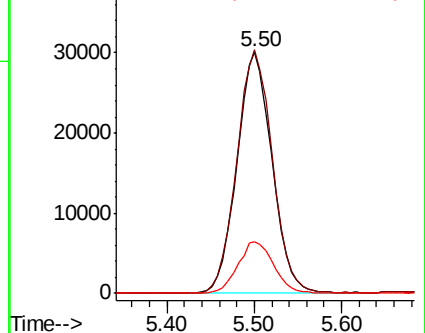
192 21.9 17.1 25.7



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



#36

1,1-Dichloropropene

Concen: 4.931 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

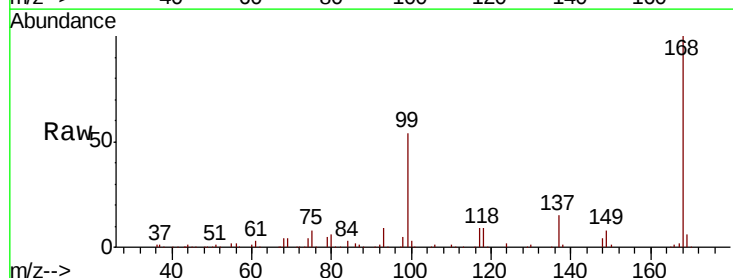
Tgt Ion: 75 Resp: 13425

Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.1#

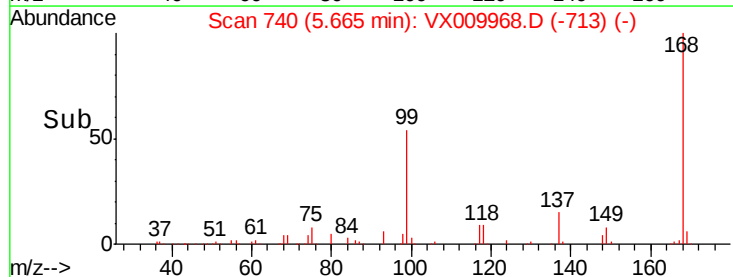
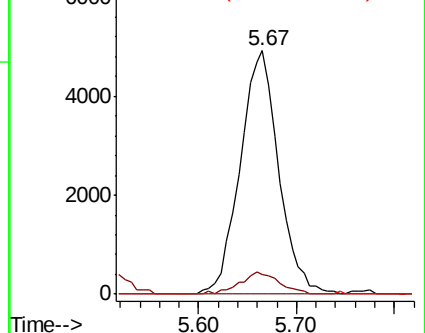
77 0.0 25.0 37.4#

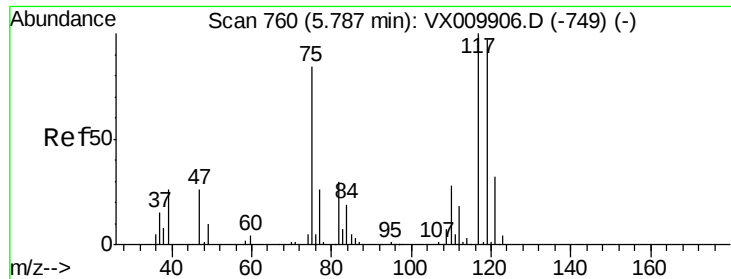


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.854 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

251810

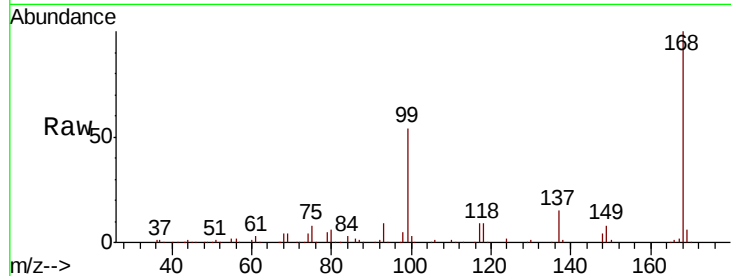
Tot Ion:117 Resp: 16126

Ion Ratio Lower Upper

117 100

119 5.0 77.3 115.9#

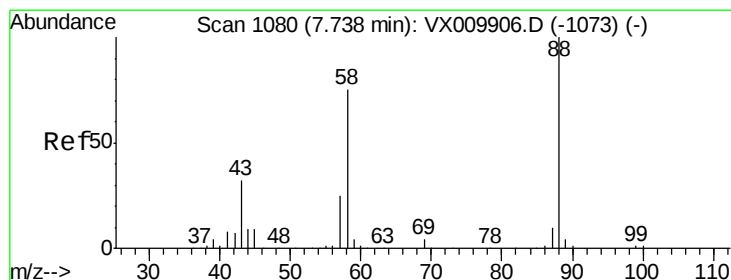
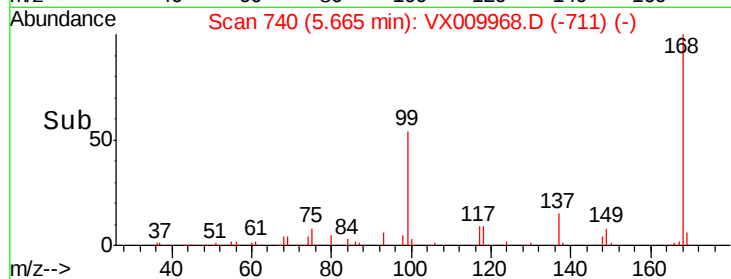
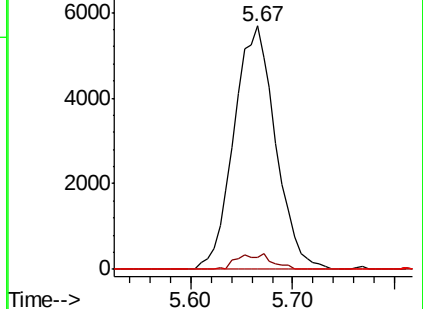
121 0.0 25.4 38.0#



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



#49

1,4-Dioxane

Concen: 0.337 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

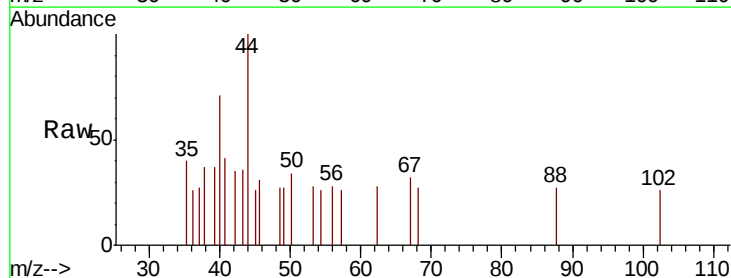
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 30.2 45.4#

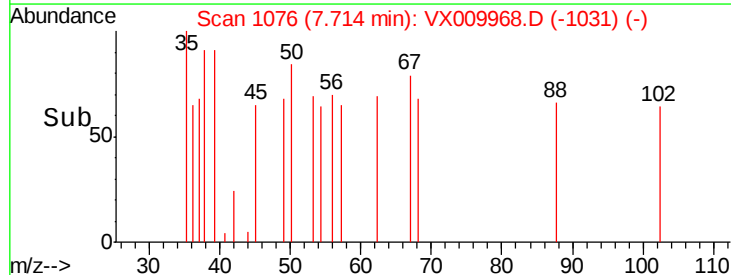
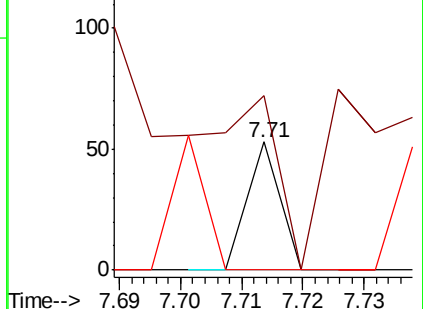
58 105.3 64.0 96.0#

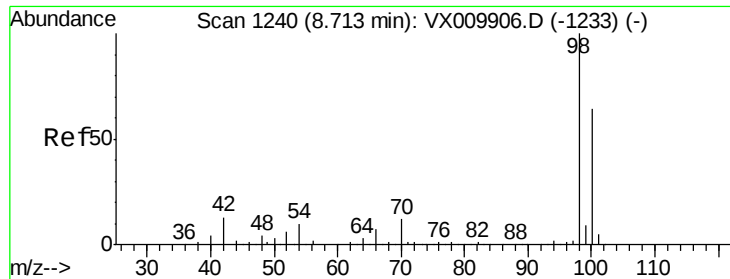


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.966 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

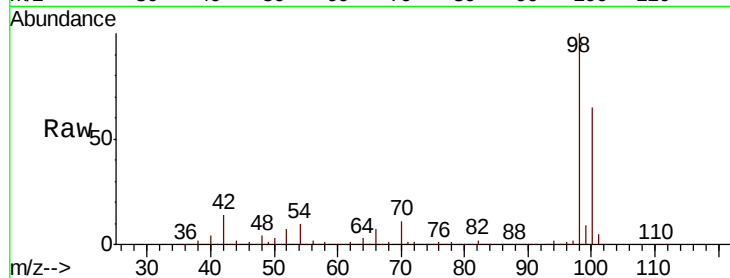
251810

Tot Ion: 98 Resp: 342294

Ion Ratio Lower Upper

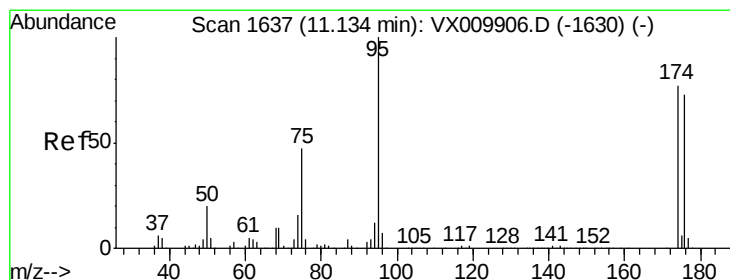
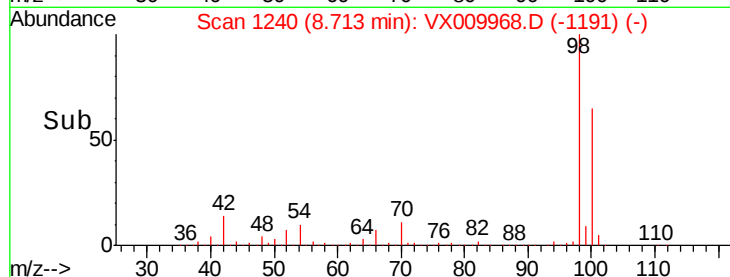
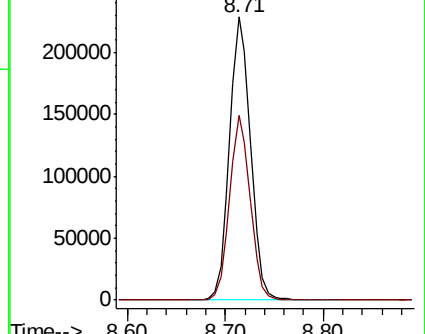
98 100

100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.538 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

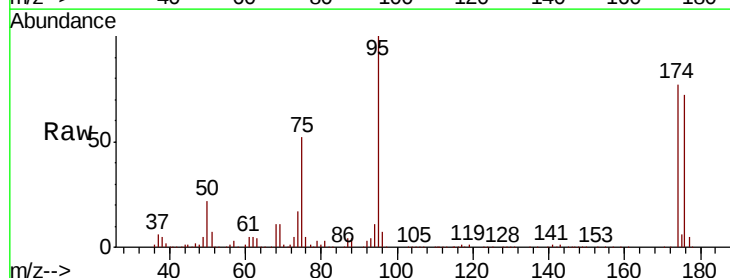
Tgt Ion: 95 Resp: 116973

Ion Ratio Lower Upper

95 100

174 81.2 0.0 160.4

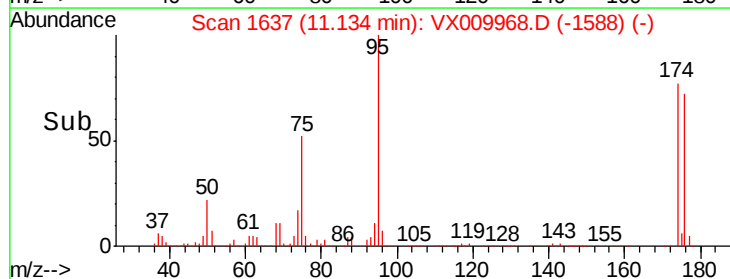
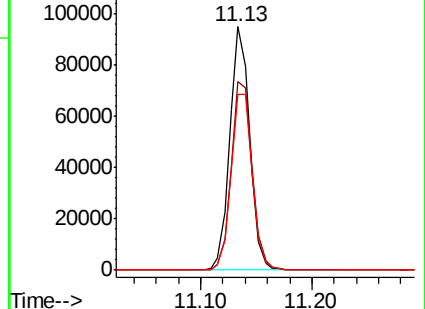
176 77.6 0.0 154.6

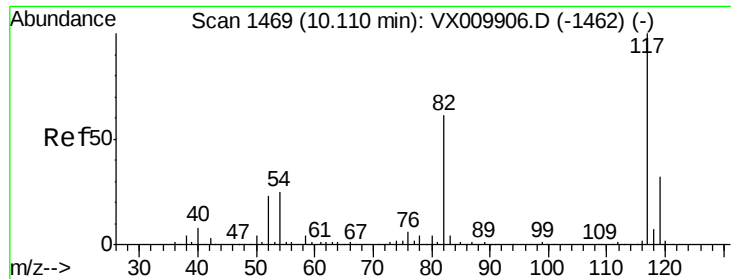


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

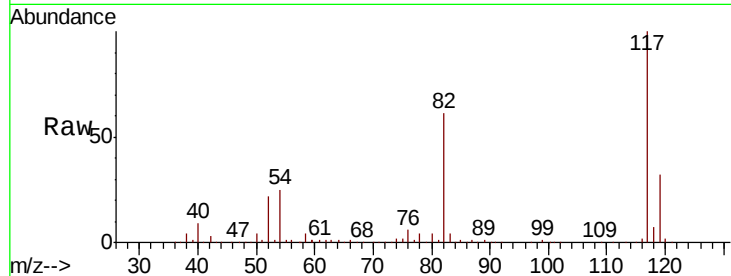




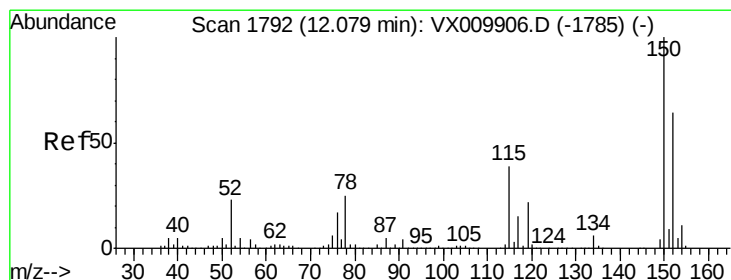
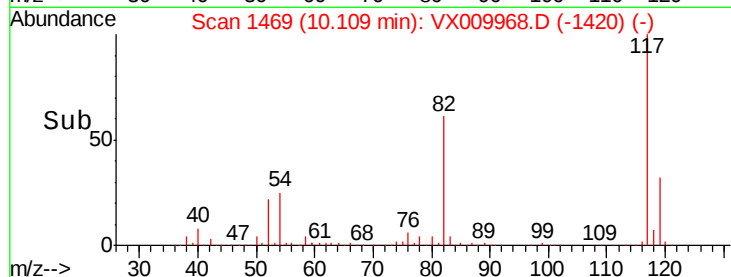
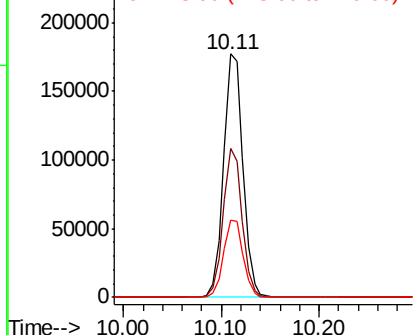
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009968.D
Acq: 30 May 2019 18:12

Instrument :
MSVOA_X
ClientSampleId :
251810

Tot Ion:117 Resp: 243850
Ion Ratio Lower Upper
117 100
82 61.4 49.2 73.8
119 31.8 25.2 37.8

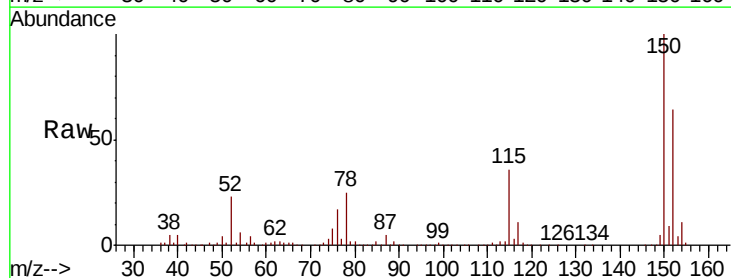


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

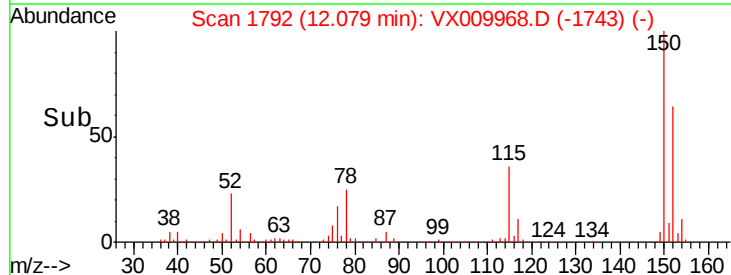
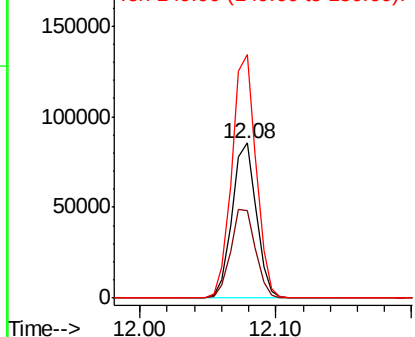


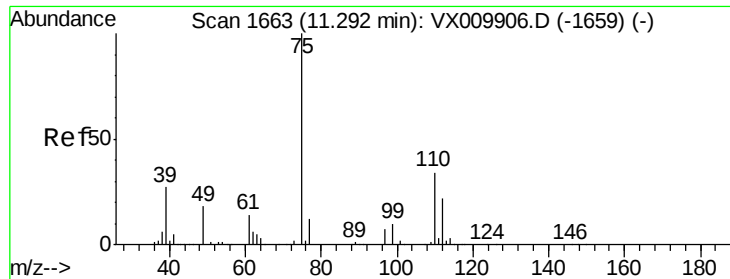
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009968.D
Acq: 30 May 2019 18:12

Tgt Ion:152 Resp: 105922
Ion Ratio Lower Upper
152 100
115 58.7 41.4 124.2
150 157.1 0.0 345.2



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





#76

1,2,3-Trichloropropane

Concen: 23.647 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

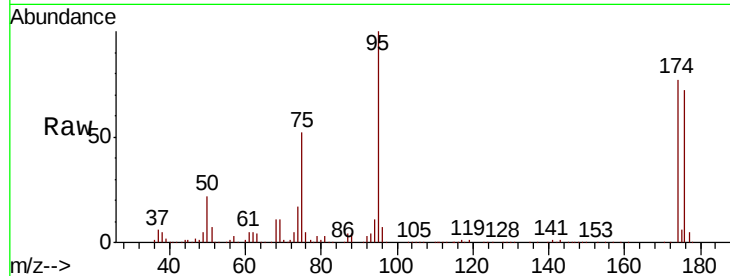
251810

Tot Ion: 75 Resp: 59897

Ion Ratio Lower Upper

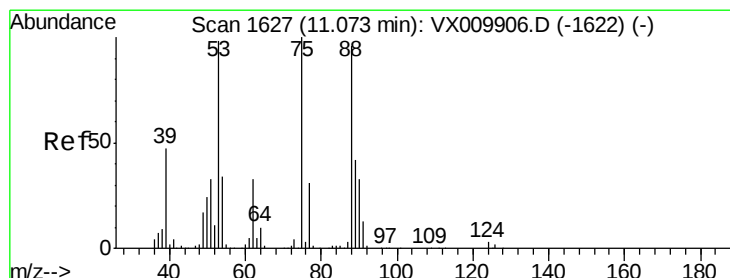
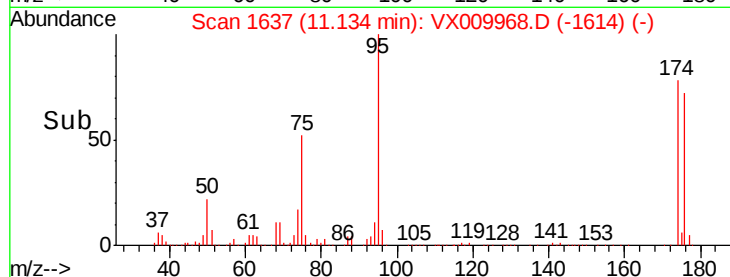
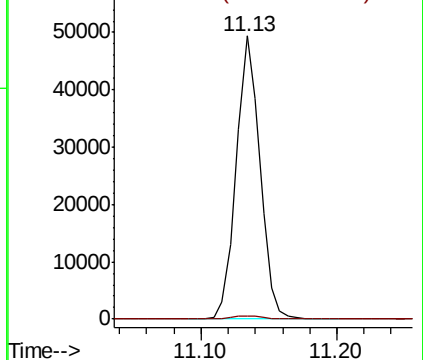
75 100

77 1.4 22.1 66.1#



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: 58.507 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009968.D

Acq: 30 May 2019 18:12

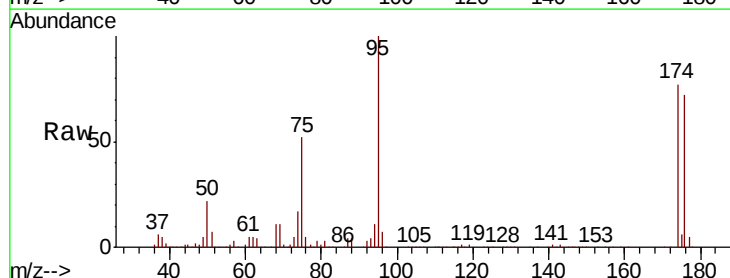
Tgt Ion: 75 Resp: 59897

Ion Ratio Lower Upper

75 100

53 0.3 79.8 119.6#

89 0.1 34.2 51.4#



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

