

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004507.D
 Acq On : 13 Sep 2018 11:06
 Operator : JC/MD
 Sample : VX0913MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBL01

Quant Time: Sep 14 03:50:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	249241	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	359200	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	326066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	178978	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	167910	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.51	113	148821	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	
50) Toluene-d8	8.71	98	487950	44.27	ug/l	0.00
Spiked Amount			Recovery	=	88.54%	
62) 4-Bromofluorobenzene	11.14	95	170507	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	

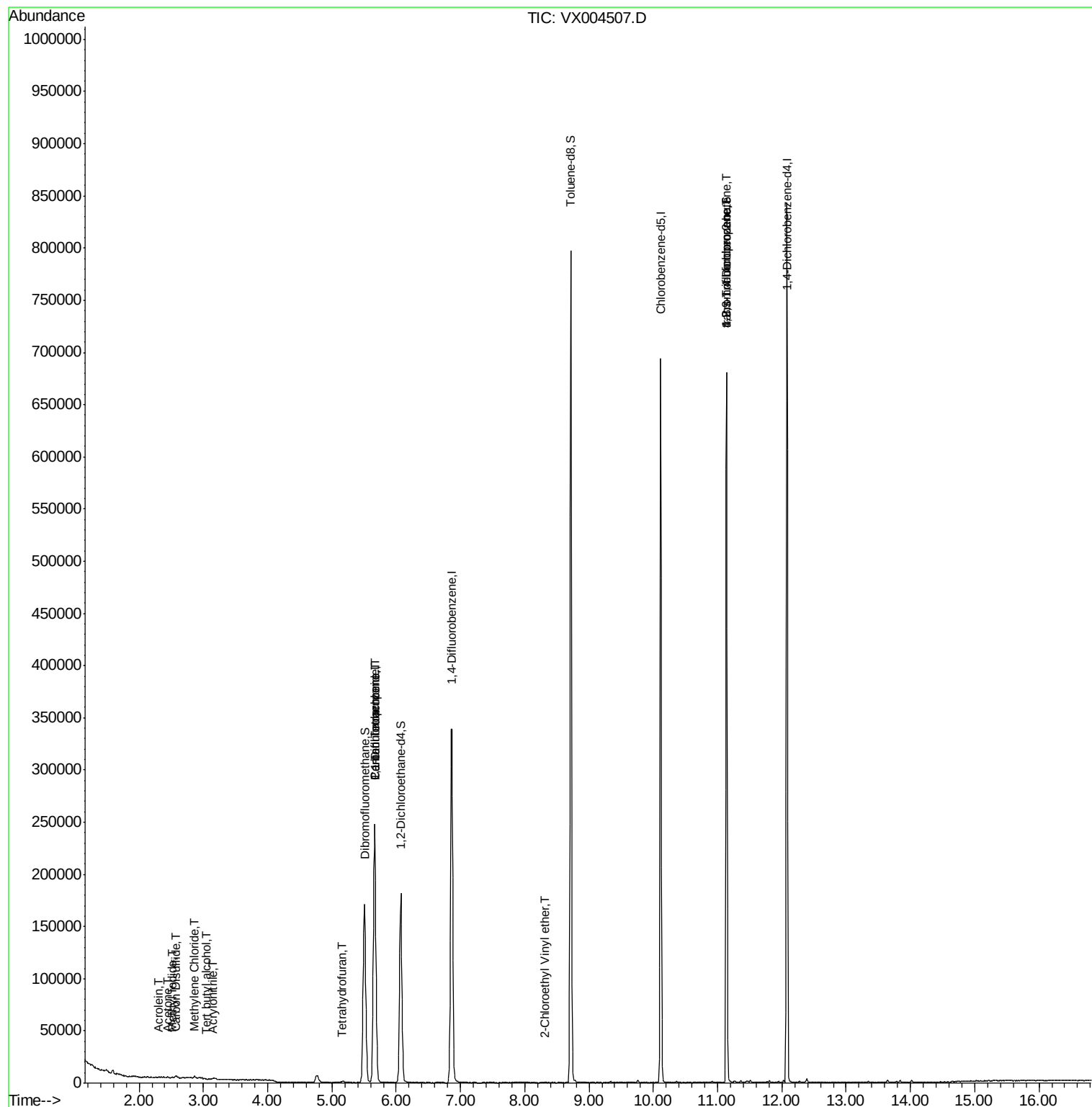
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	802	Below Cal		100
10) Methyl Iodide	2.52	142	431	4.38 ug/l	#	84
11) Tert butyl alcohol	3.05	59	402	0.52 ug/l	#	72
13) Acrolein	2.29	56	283	0.93 ug/l	#	1
15) Acrylonitrile	3.15	53	610	0.33 ug/l	#	69
16) Acetone	2.45	43	973	0.62 ug/l		98
17) Carbon Disulfide	2.57	76	2158	0.29 ug/l		97
20) Methylene Chloride	2.86	84	1062	0.33 ug/l		91
29) Tetrahydrofuran	5.16	42	1241	0.82 ug/l	#	84
36) 1,1-Dichloropropene	5.67	75	16253	3.73 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	21554	5.06 ug/l	#	16
58) 2-Chloroethyl Vinyl ether	8.32	63	97	7.31 ug/l	#	45
76) 1,2,3-Trichloropropane	11.14	75	80487	22.35 ug/l	#	37
81) trans-1,4-Dichloro-2-buten	11.14	75	80487	71.25 ug/l	#	10

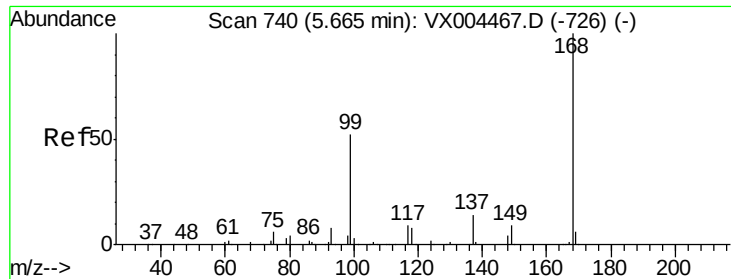
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091318\
Data File : VX004507.D
Acq On : 13 Sep 2018 11:06
Operator : JC/MD
Sample : VX0913MBL01
Misc : 5.0µL/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0913MBL01

Quant Time: Sep 14 03:50:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

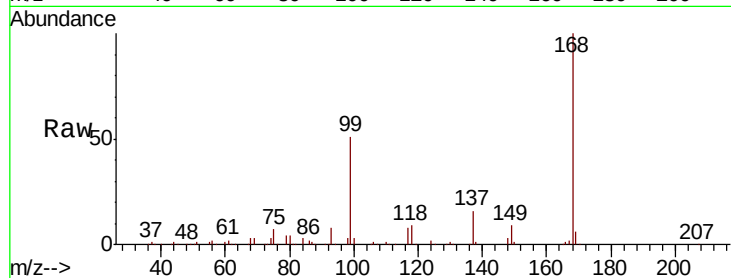
VX0913MBL01

Tot Ion:168 Resp: 249241

Ion Ratio Lower Upper

168 100

99 50.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

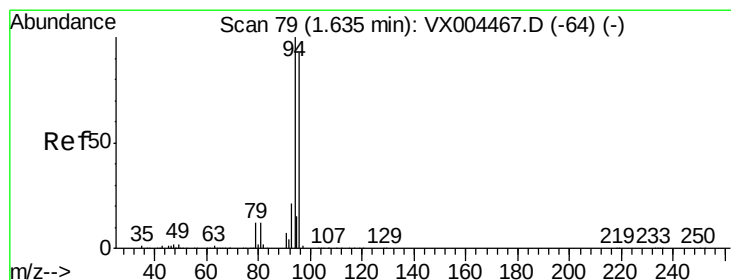
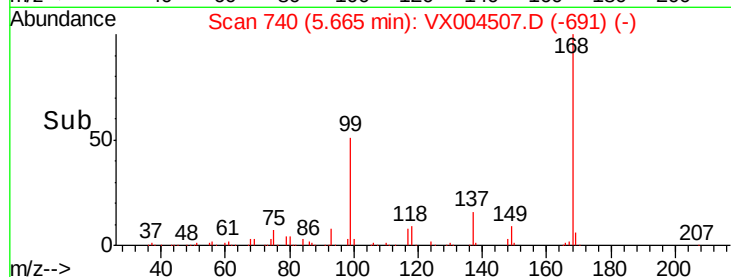
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX004507.D

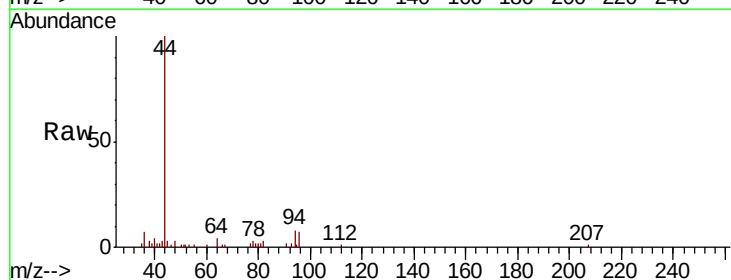
Acq: 13 Sep 2018 11:06

Tgt Ion: 94 Resp: 802

Ion Ratio Lower Upper

94 100

96 93.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

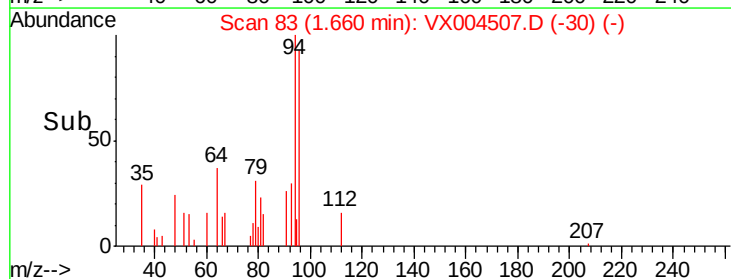
300

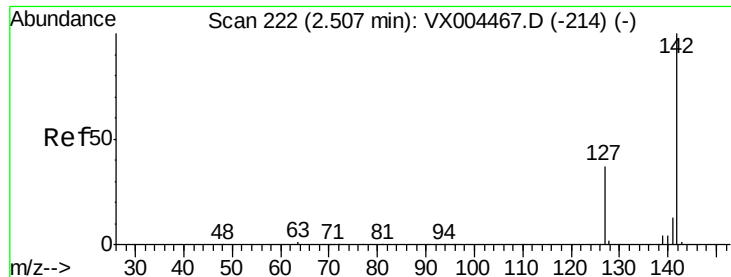
200

100

0

Time--> 1.60 1.65 1.70

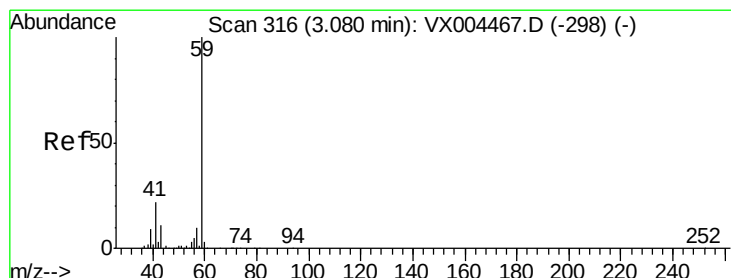
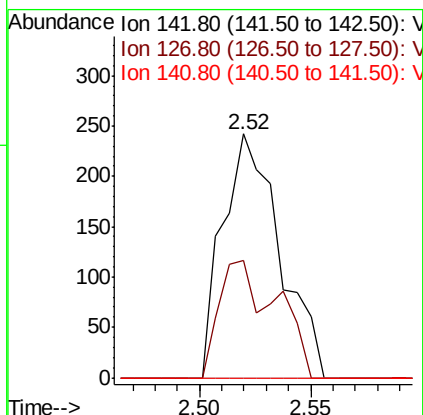
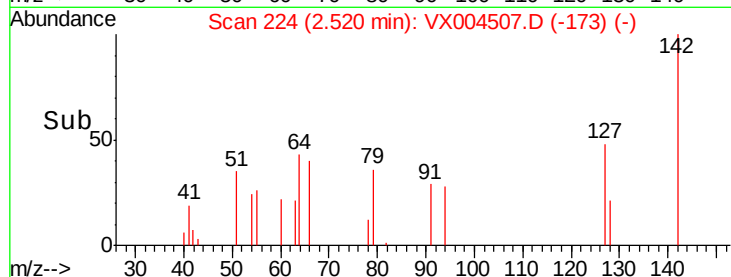
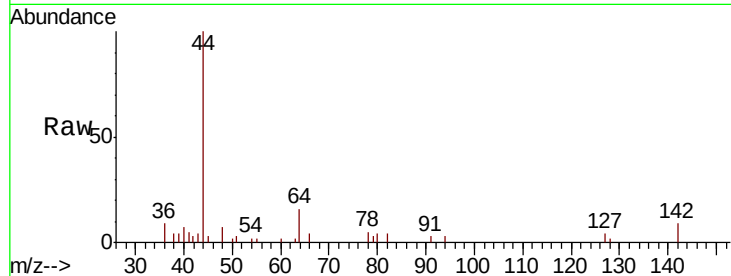




#10
Methyl Iodide
Concen: 4.38 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004507.D
Acq: 13 Sep 2018 11:06

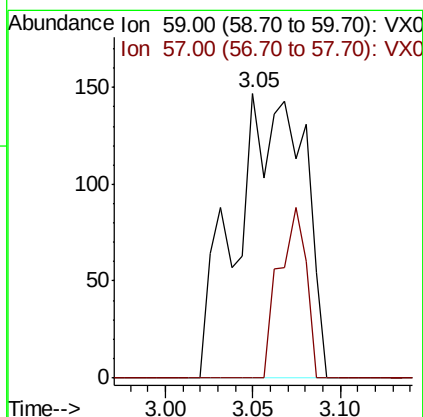
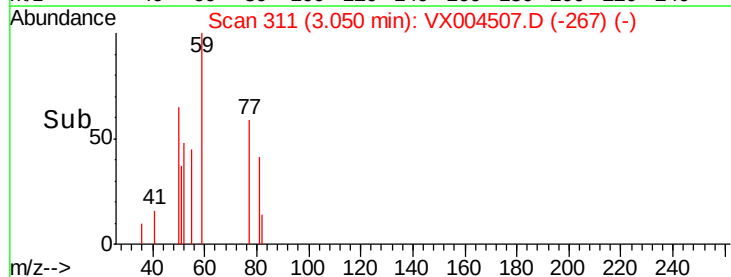
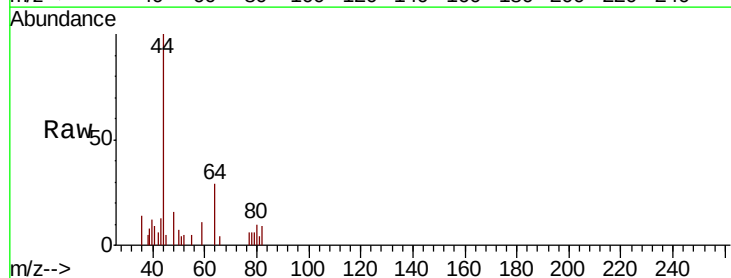
Instrument :
MSVOA_X
ClientSampled :
VX0913MBL01

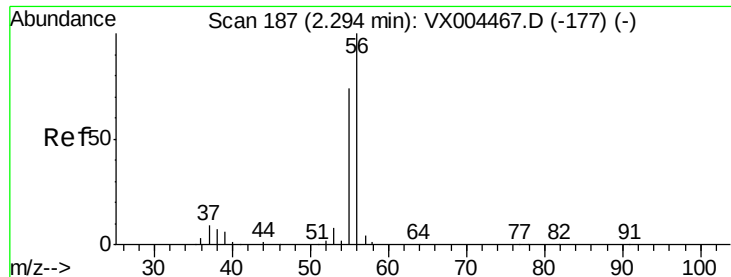
Tot Ion:142 Resp: 431
Ion Ratio Lower Upper
142 100
127 48.0 33.8 50.6
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.03 min
Lab File: VX004507.D
Acq: 13 Sep 2018 11:06

Tgt Ion: 59 Resp: 402
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#13

Acrolein

Concen: 0.93 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_X

ClientSampled :

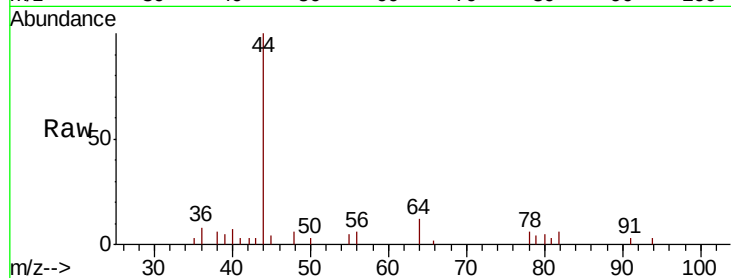
VX0913MBL01

Tot Ion: 56 Resp: 283

Ion Ratio Lower Upper

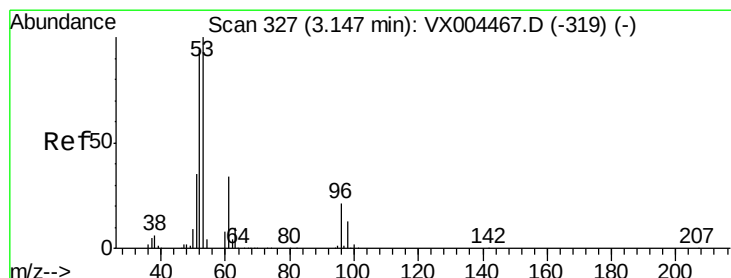
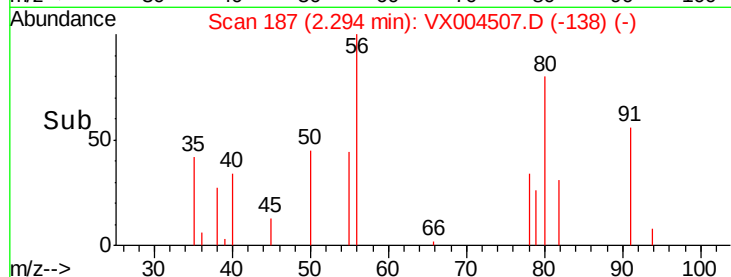
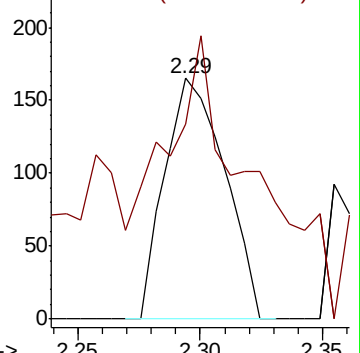
56 100

55 174.2 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.33 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

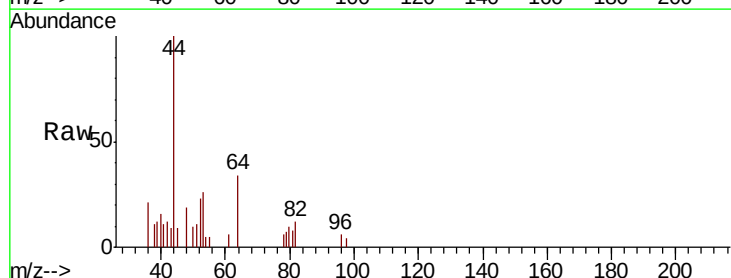
Tgt Ion: 53 Resp: 610

Ion Ratio Lower Upper

53 100

52 108.7 65.2 97.8#

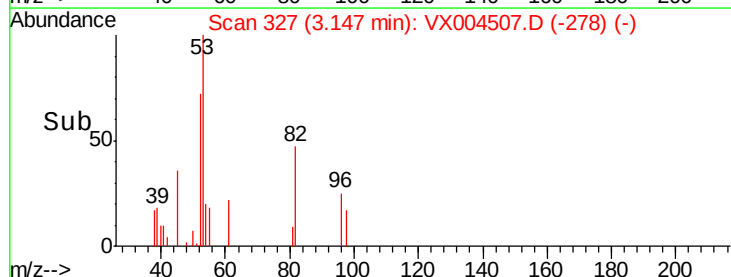
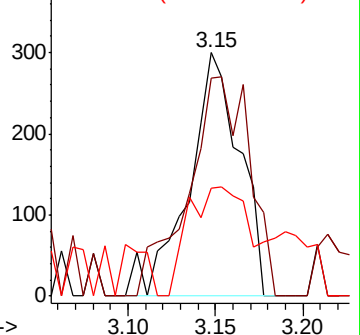
51 54.8 28.2 42.2#

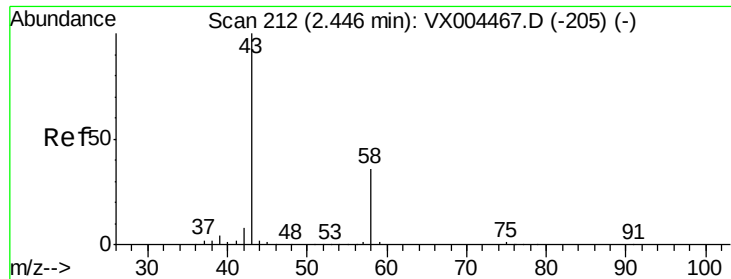


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.62 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

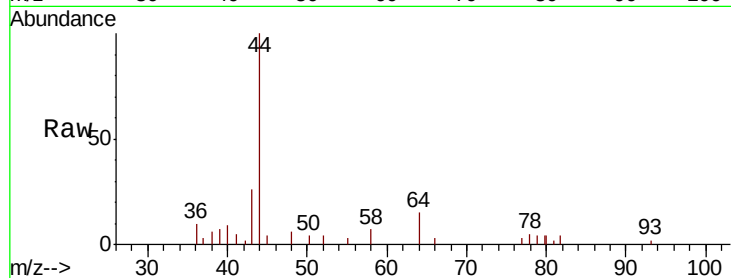
VX0913MBL01

Tot Ion: 43 Resp: 973

Ion Ratio Lower Upper

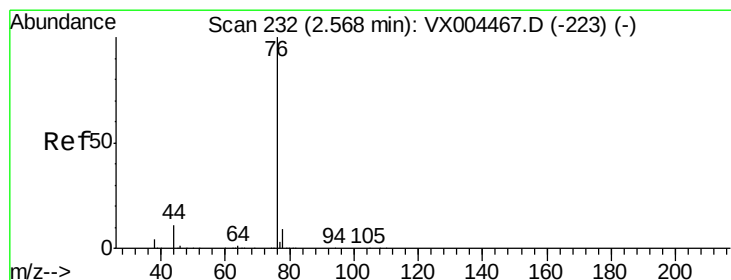
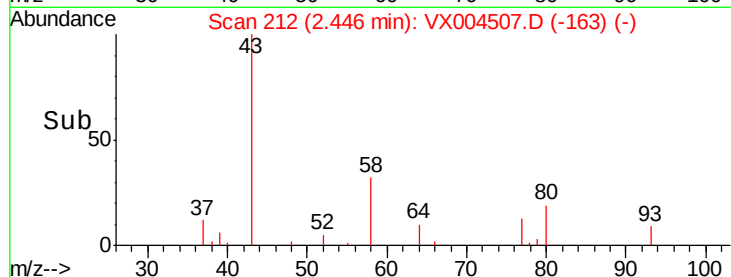
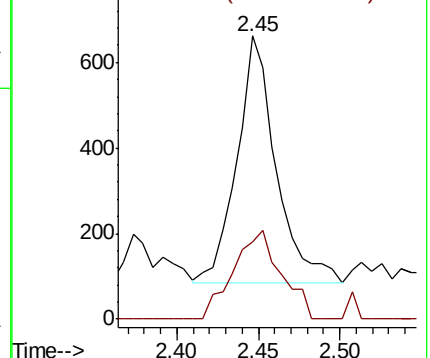
43 100

58 31.5 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.29 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX004507.D

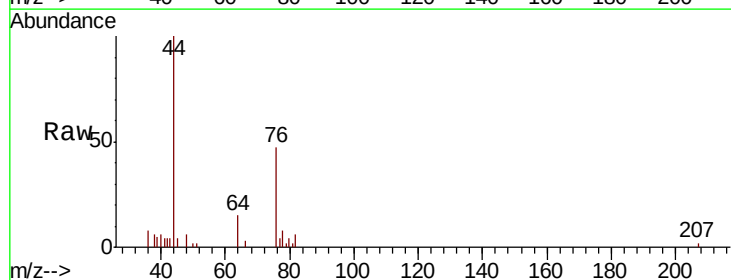
Acq: 13 Sep 2018 11:06

Tgt Ion: 76 Resp: 2158

Ion Ratio Lower Upper

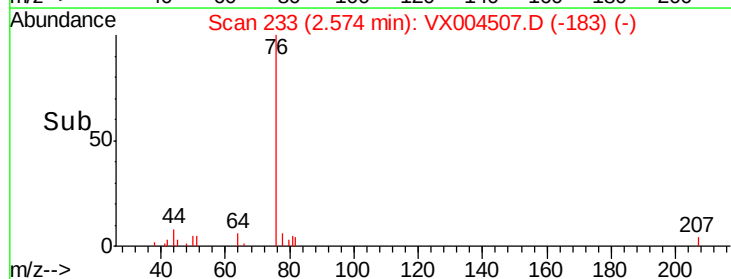
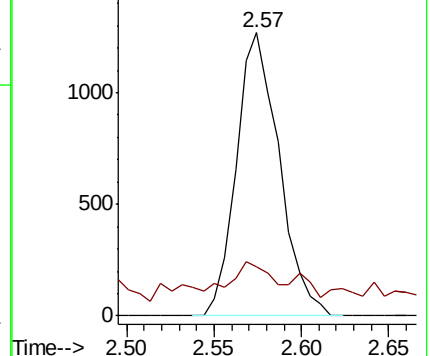
76 100

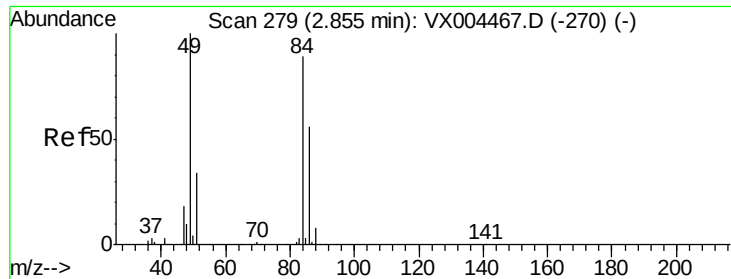
78 7.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

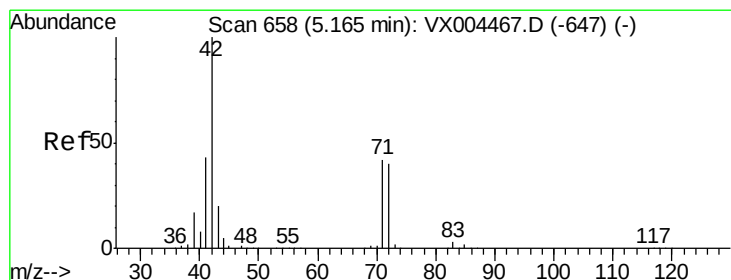
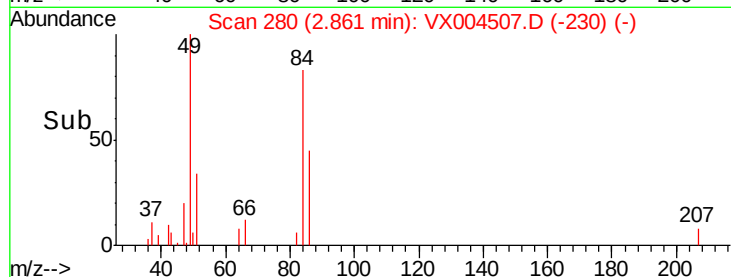
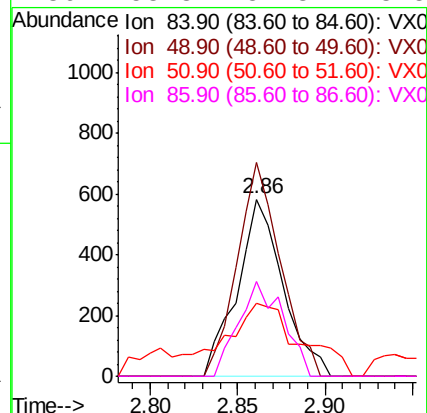
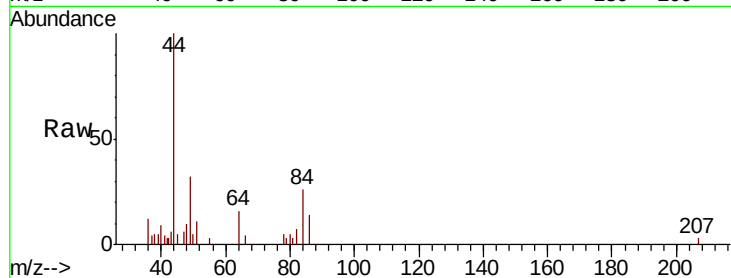




#20
Methvlene Chloride
Concen: 0.33 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004507.D
Acq: 13 Sep 2018 11:06

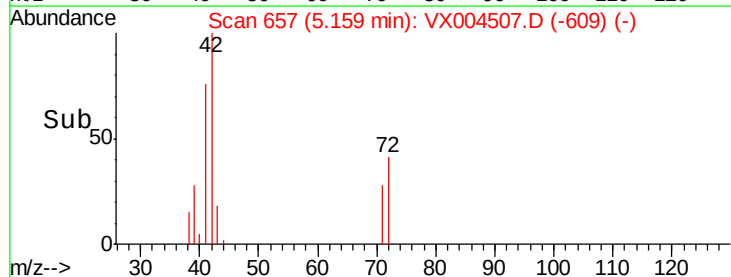
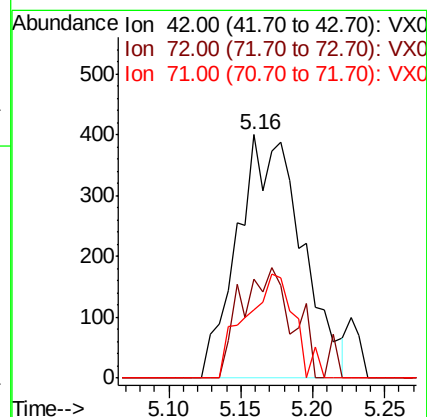
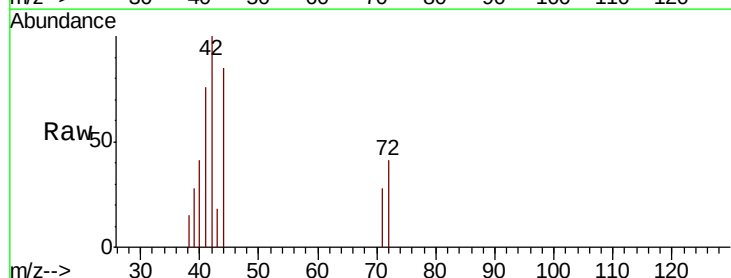
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBL01

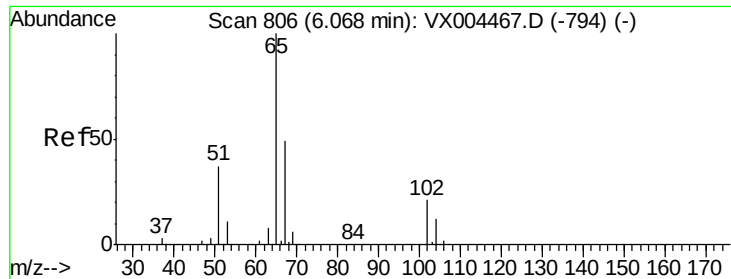
Tot Ion:	84	Resp:	1062
Ion	Ratio	Lower	Upper
84	100		
49	120.8	101.2	151.8
51	30.8	29.5	44.3
86	53.8	52.3	78.5



#29
Tetrahydrofuran
Concen: 0.82 ug/l
RT: 5.16 min Scan# 657
Delta R.T. -0.01 min
Lab File: VX004507.D
Acq: 13 Sep 2018 11:06

Tgt Ion:	42	Resp:	1241
Ion	Ratio	Lower	Upper
42	100		
72	36.3	37.4	56.0#
71	32.5	34.5	51.7#

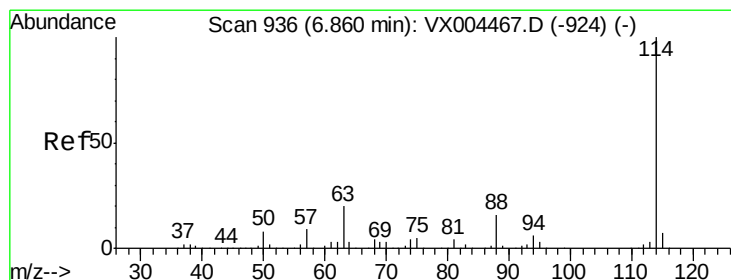
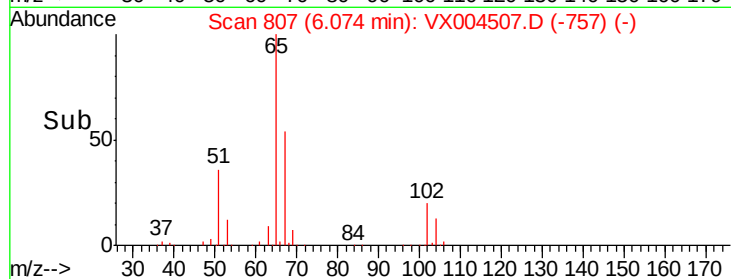
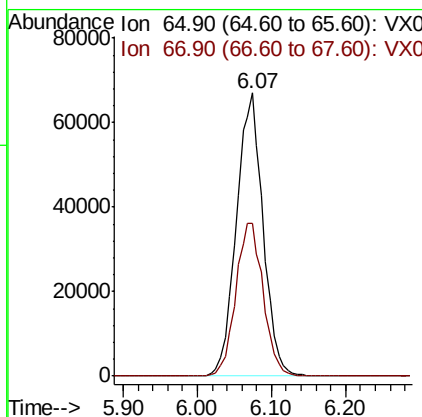
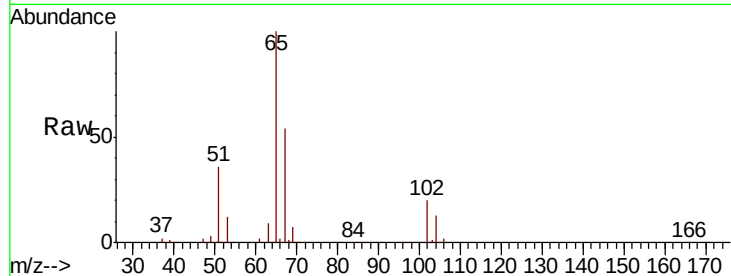




#33
 1,2-Dichloroethane-d4
 Concen: 52.25 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX004507.D
 Acq: 13 Sep 2018 11:06

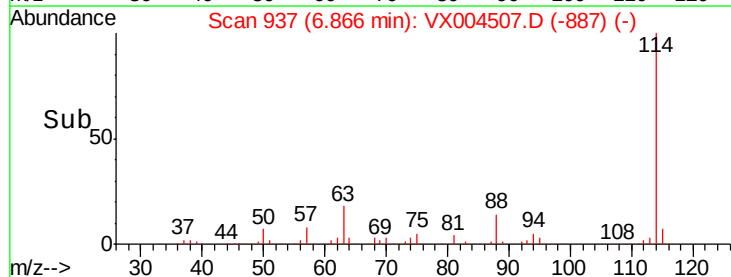
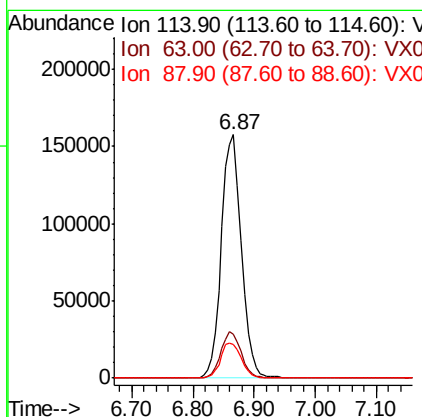
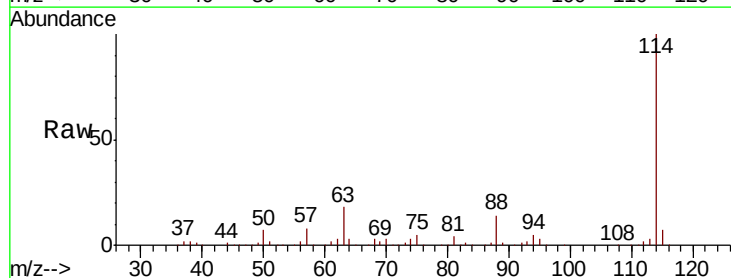
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBL01

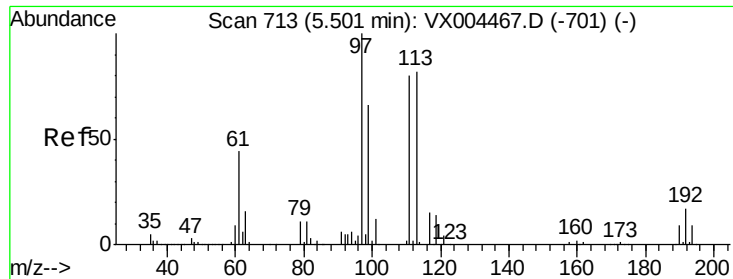
Tot Ion: 65 Resp: 167910
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX004507.D
 Acq: 13 Sep 2018 11:06

Tgt Ion: 114 Resp: 359200
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 39.0
 88 13.8 0.0 30.4

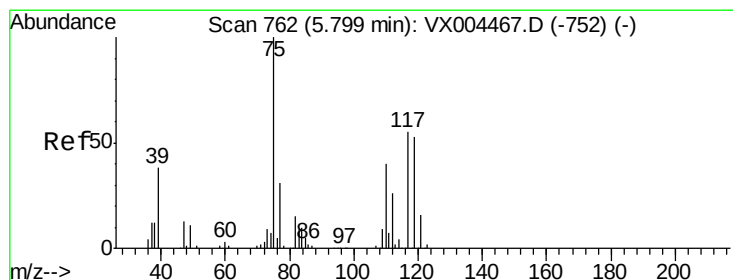
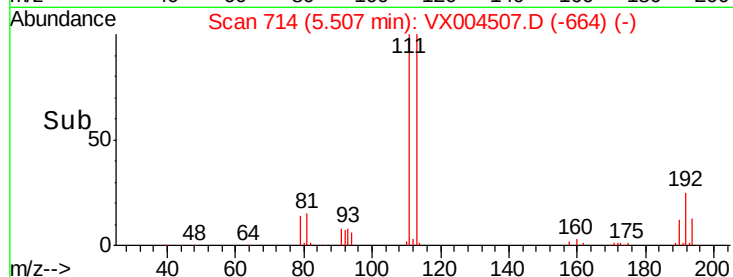
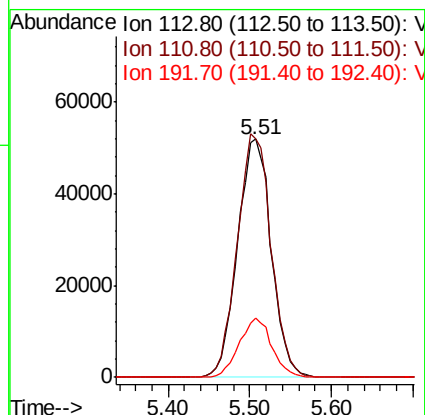
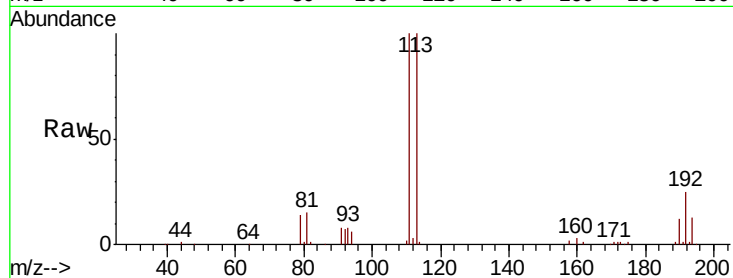




#35
 Dibromofluoromethane
 Concen: 45.28 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004507.D
 Acq: 13 Sep 2018 11:06

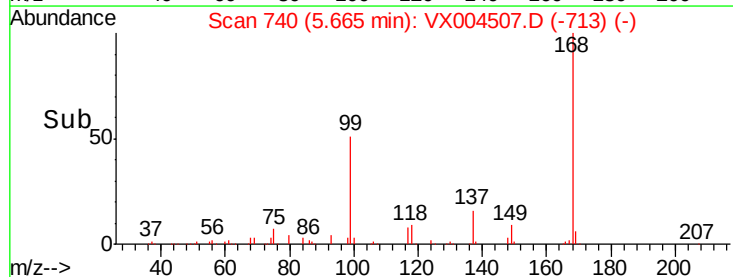
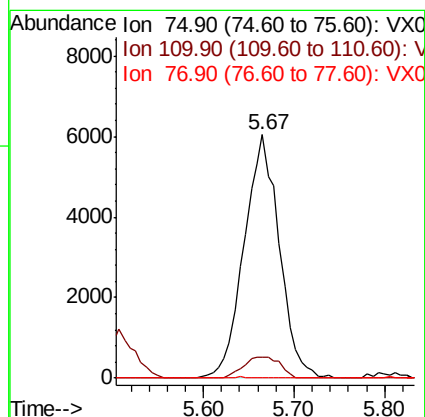
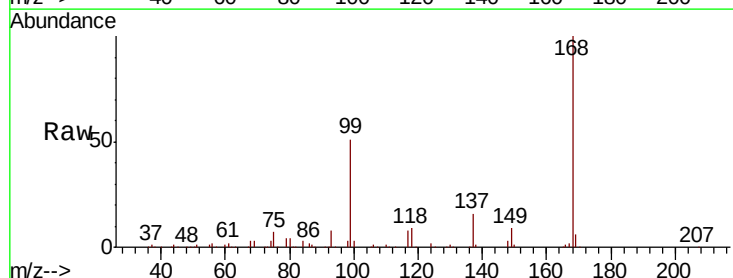
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBL01

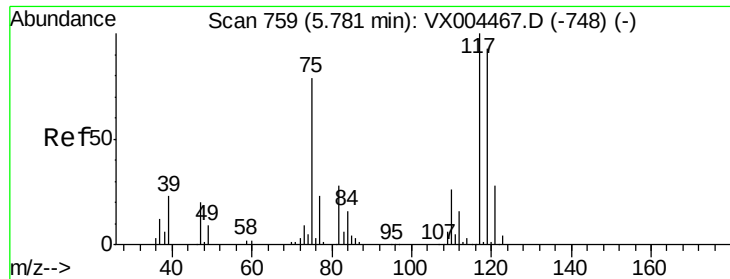
Tot Ion:113 Resp: 148821
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 24.2 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004507.D
 Acq: 13 Sep 2018 11:06

Tgt Ion: 75 Resp: 16253
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.11 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_X

ClientSampled :

VX0913MBL01

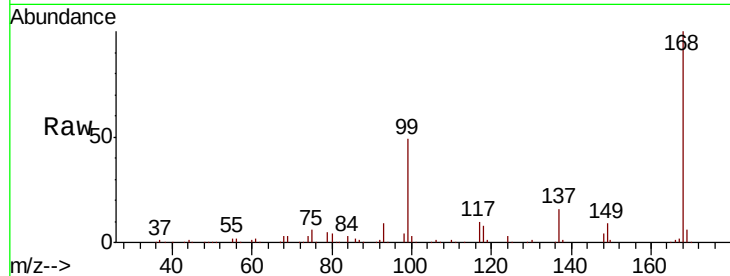
Tot Ion:117 Resp: 21554

Ion Ratio Lower Upper

117 100

119 6.5 78.8 118.2#

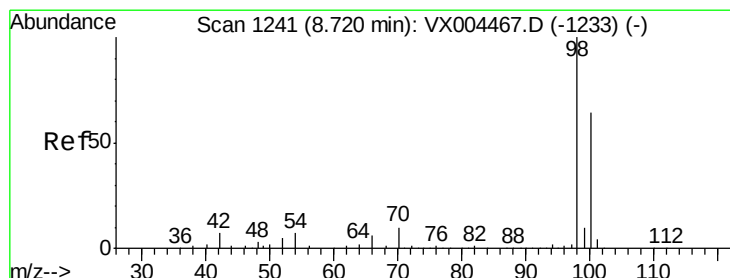
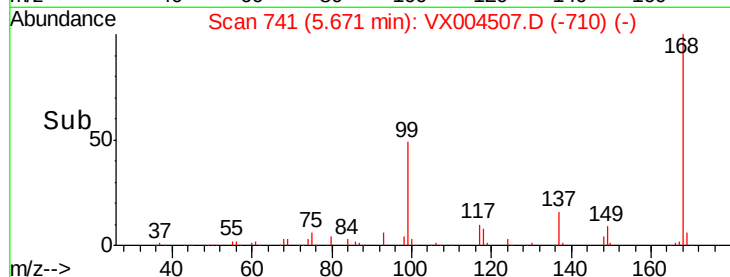
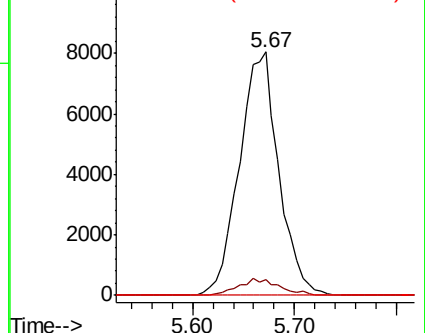
121 0.0 24.9 37.3#



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



#50

Toluene-d8

Concen: 44.27 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004507.D

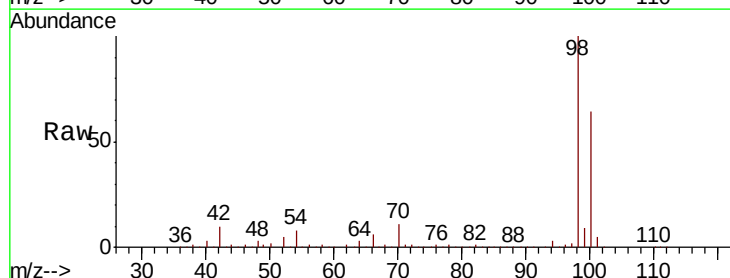
Acq: 13 Sep 2018 11:06

Tgt Ion: 98 Resp: 487950

Ion Ratio Lower Upper

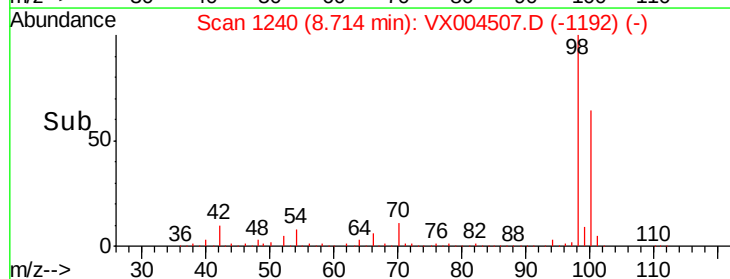
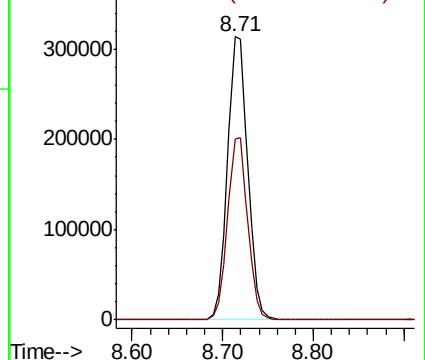
98 100

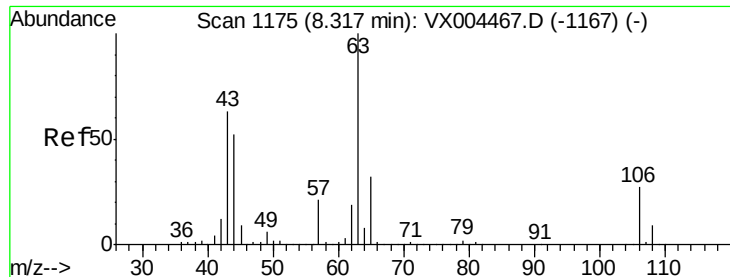
100 63.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#58

2-Chloroethyl Vinyl ether

Concen: 7.31 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

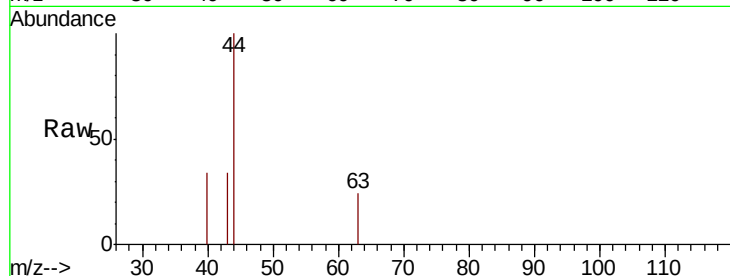
VX0913MBL01

Tot Ion: 63 Resp: 97

Ion Ratio Lower Upper

63 100

106 0.0 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

80

60

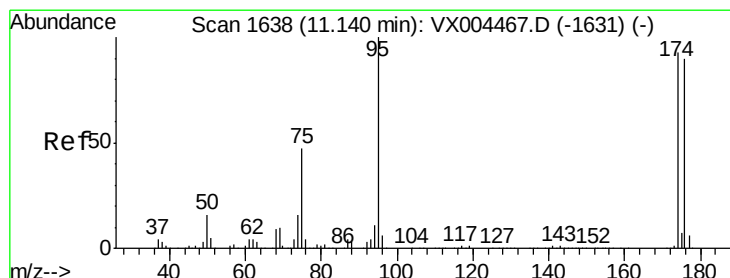
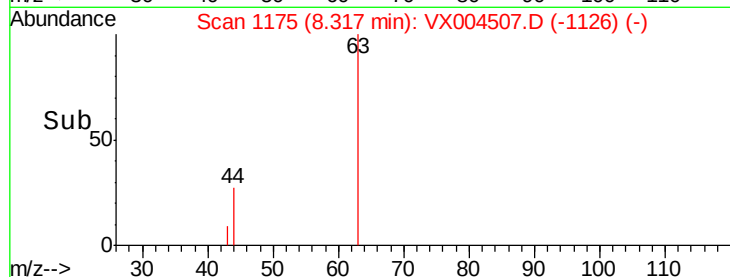
40

20

0

8.28 8.30 8.32 8.34

Time-->



#62

4-Bromofluorobenzene

Concen: 43.33 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

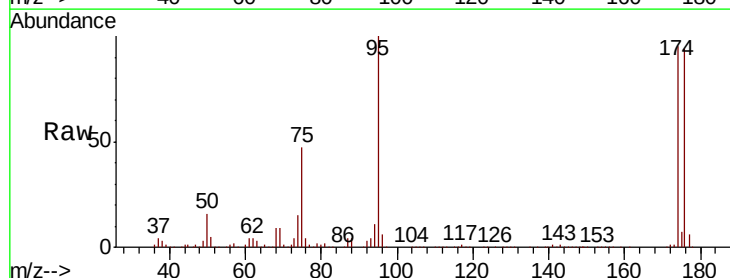
Tgt Ion: 95 Resp: 170507

Ion Ratio Lower Upper

95 100

174 92.7 0.0 185.2

176 89.9 0.0 178.6



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

11.14

150000

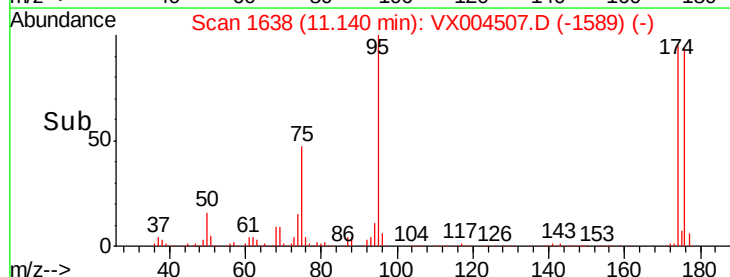
100000

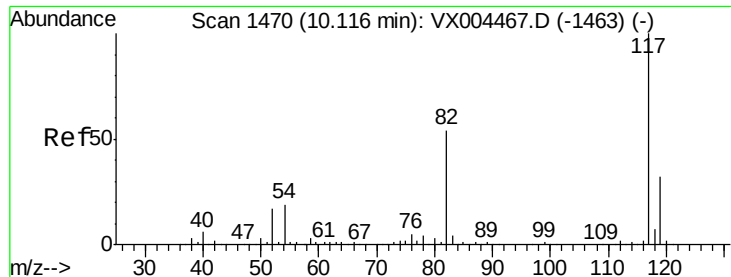
50000

0

11.10 11.20

Time-->

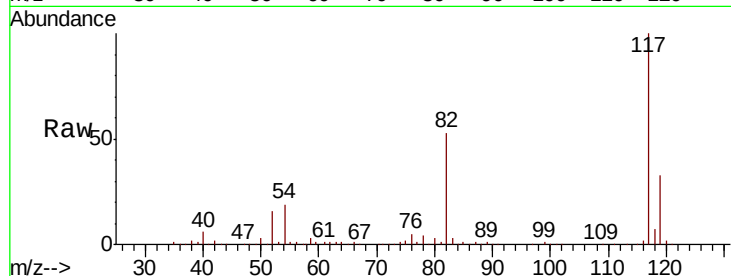




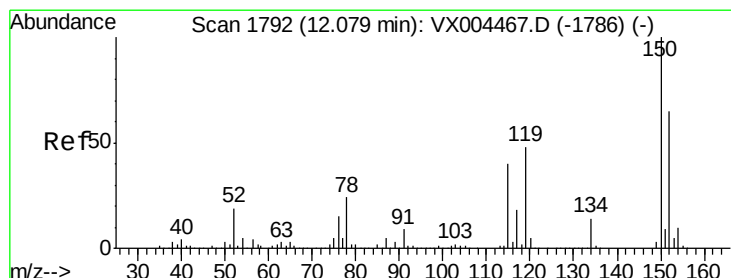
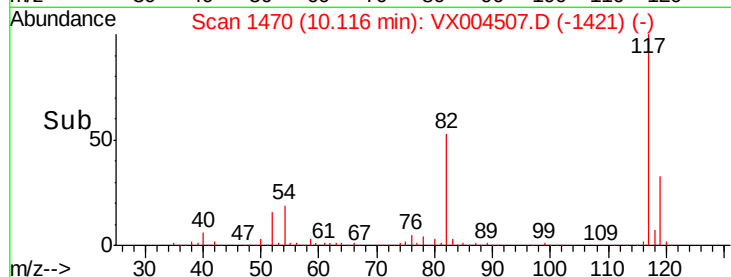
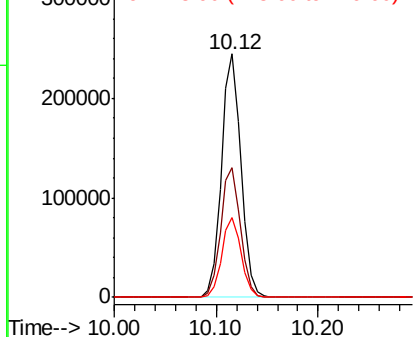
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004507.D
Acq: 13 Sep 2018 11:06

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBL01

Tot Ion:117 Resp: 326066
Ion Ratio Lower Upper
117 100
82 53.2 47.8 71.6
119 32.6 29.3 43.9

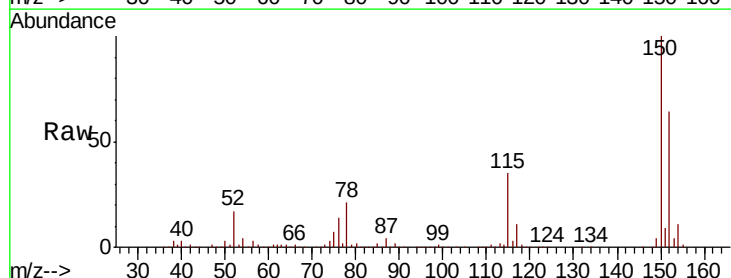


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

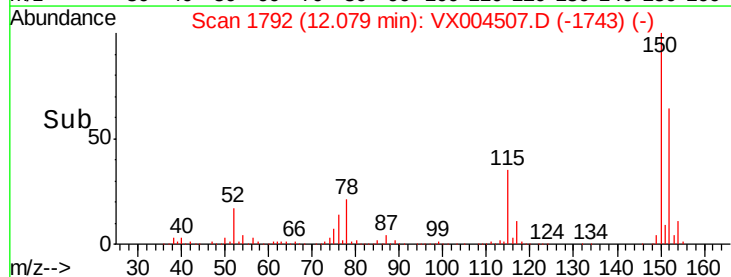
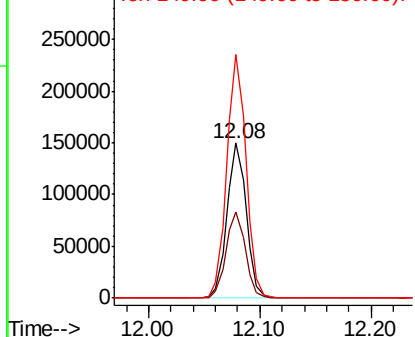


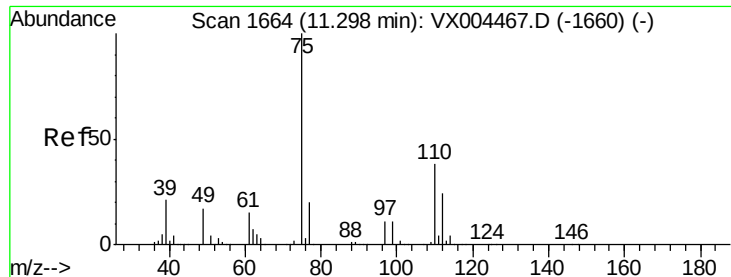
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004507.D
Acq: 13 Sep 2018 11:06

Tgt Ion:152 Resp: 178978
Ion Ratio Lower Upper
152 100
115 55.7 39.0 117.0
150 156.8 0.0 351.0



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: 22.35 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

Instrument :

MSVOA_X

ClientSampleId :

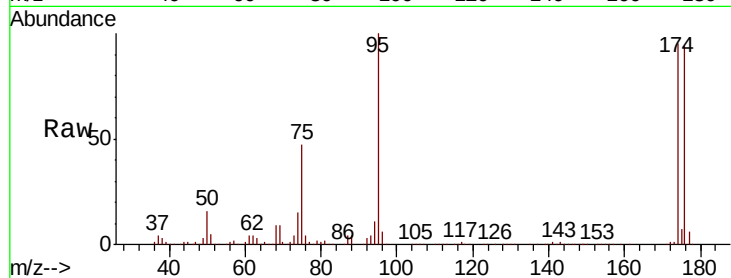
VX0913MBL01

Tot Ion: 75 Resp: 80487

Ion Ratio Lower Upper

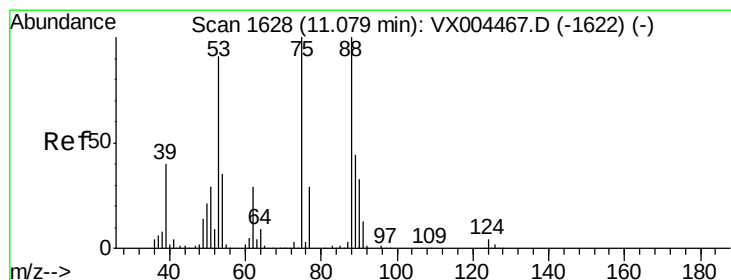
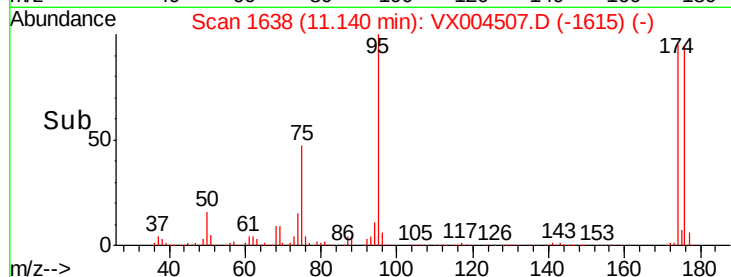
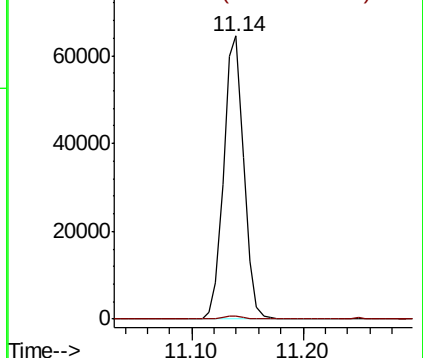
75 100

77 1.2 20.2 60.6#



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: 71.25 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004507.D

Acq: 13 Sep 2018 11:06

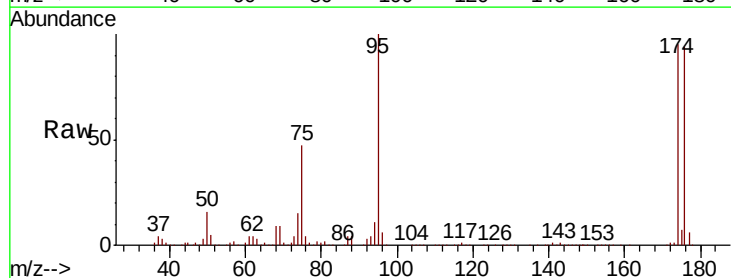
Tgt Ion: 75 Resp: 80487

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



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

