

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032819\
 Data File : VX008526.D
 Acq On : 28 Mar 2019 17:46
 Operator : JC/SP
 Sample : K2121-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

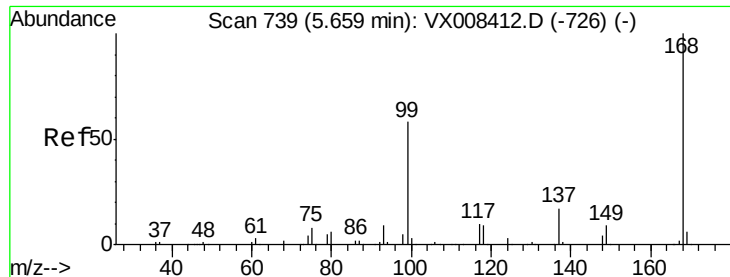
Quant Time: Mar 29 01:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	226336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128320	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	157456	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
35) Dibromofluoromethane	5.50	113	115541	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
50) Toluene-d8	8.71	98	471891	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	
62) 4-Bromofluorobenzene	11.13	95	154257	41.83	ug/l	0.00
Spiked Amount			Recovery	=	83.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	529	Below Cal		96
5) Bromomethane	1.65	94	208	1.910	ug/l #	64
6) Chloroethane	1.60	64	17360	7.867	ug/l #	60
11) Tert butyl alcohol	3.02	59	1534	2.018	ug/l	96
13) Acrolein	2.29	56	440	0.797	ug/l #	52
16) Acetone	2.45	43	5480	3.056	ug/l	96
17) Carbon Disulfide	2.57	76	951	Below Cal	#	90
20) Methylene Chloride	2.86	84	993	Below Cal	#	85
21) trans-1,2-Dichloroethene	3.16	96	22	Below Cal	#	1
31) Cyclohexane	5.66	56	5449	0.991	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	19053	4.682	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22284	6.561	ug/l #	16
60) Dibromochloromethane	9.34	129	647	0.229	ug/l #	11
64) Tetrachloroethene	9.34	164	673	0.311	ug/l #	90
76) 1,2,3-Trichloropropane	11.13	75	79511	20.842	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	79511	66.756	ug/l #	9

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

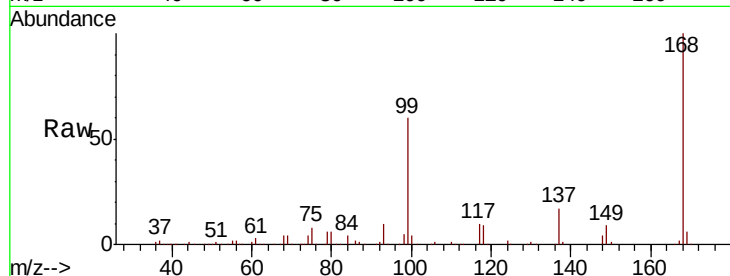
MW-8

Tot Ion:168 Resp: 226336

Ion Ratio Lower Upper

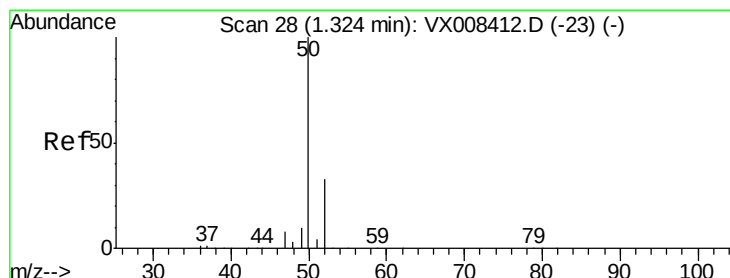
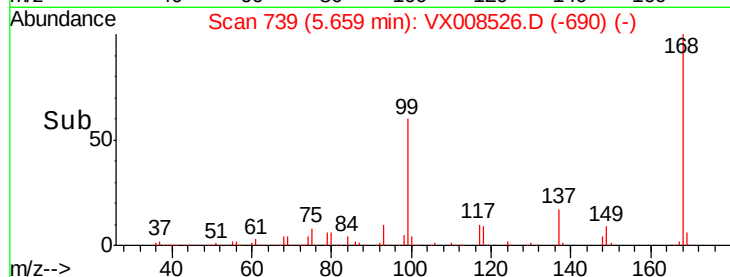
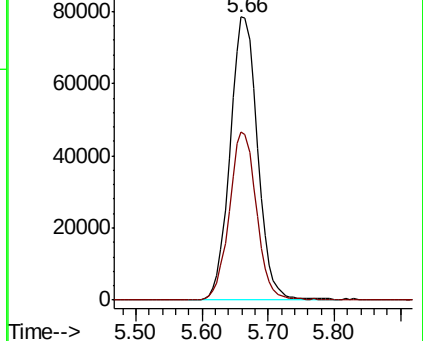
168 100

99 59.5 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008526.D

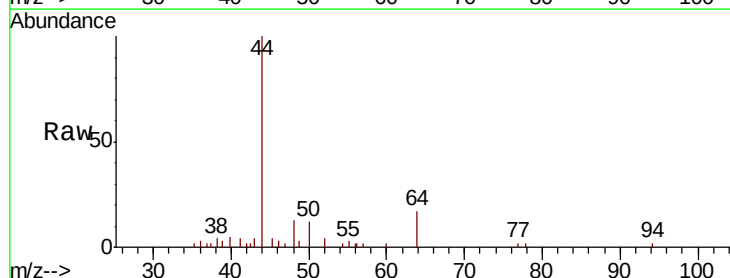
Acq: 28 Mar 2019 17:46

Tgt Ion: 50 Resp: 529

Ion Ratio Lower Upper

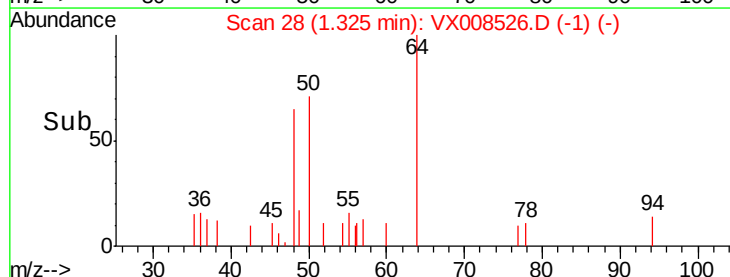
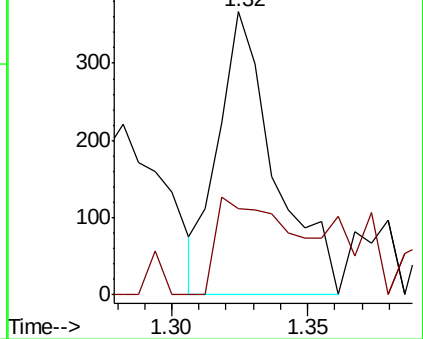
50 100

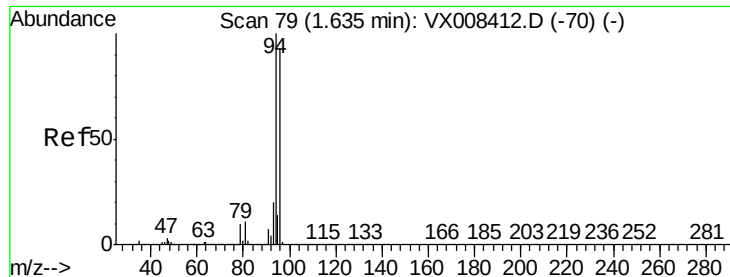
52 30.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.910 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

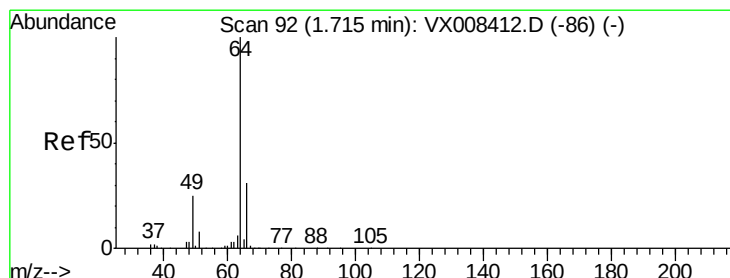
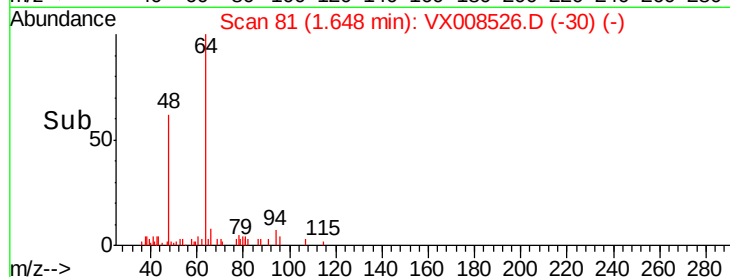
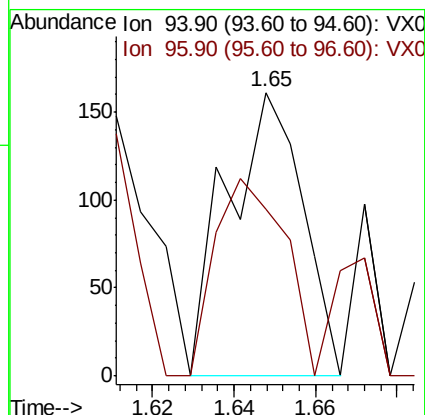
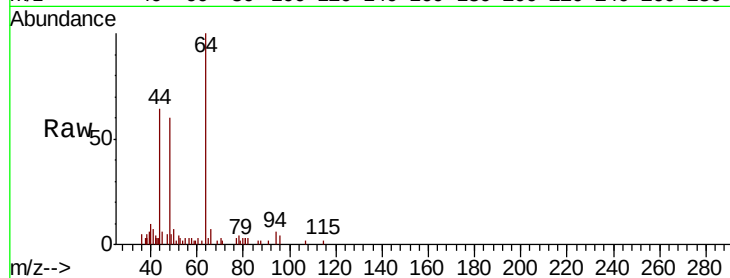
MW-8

Tot Ion: 94 Resp: 208

Ion Ratio Lower Upper

94 100

96 59.0 74.8 112.2#



#6

Chloroethane

Concen: 7.867 ug/l

RT: 1.60 min Scan# 73

Delta R.T. -0.12 min

Lab File: VX008526.D

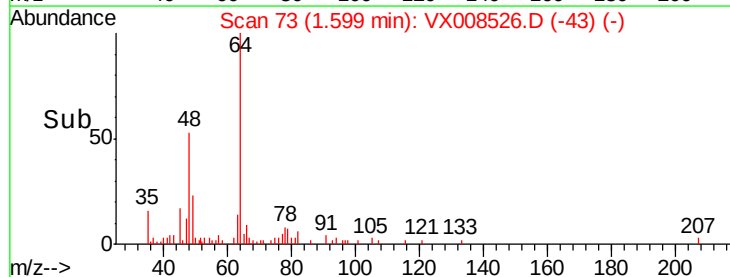
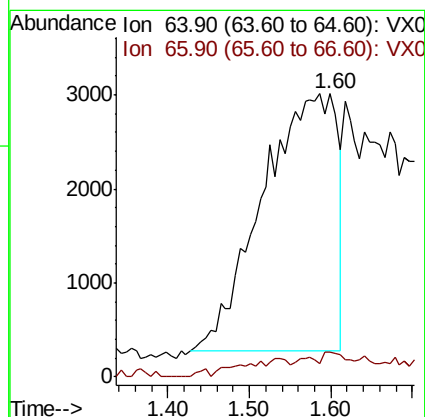
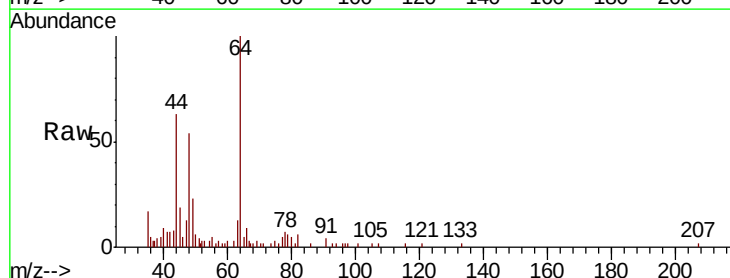
Acq: 28 Mar 2019 17:46

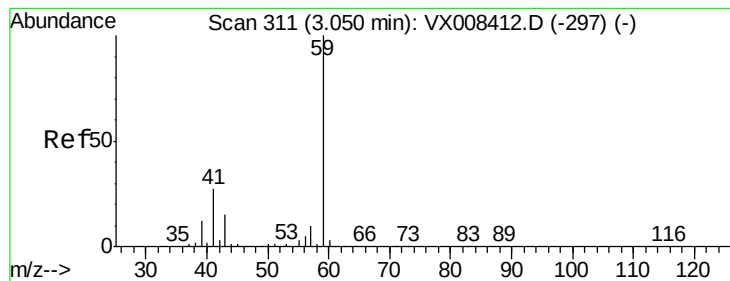
Tgt Ion: 64 Resp: 17360

Ion Ratio Lower Upper

64 100

66 9.4 25.1 37.7#



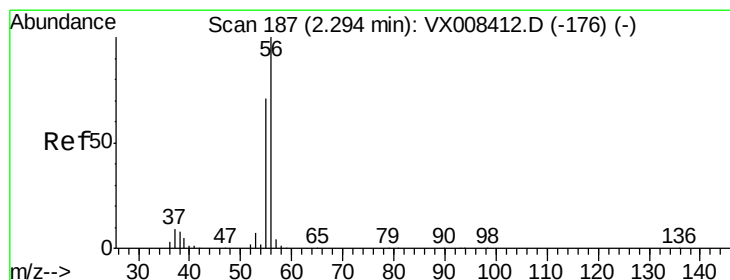
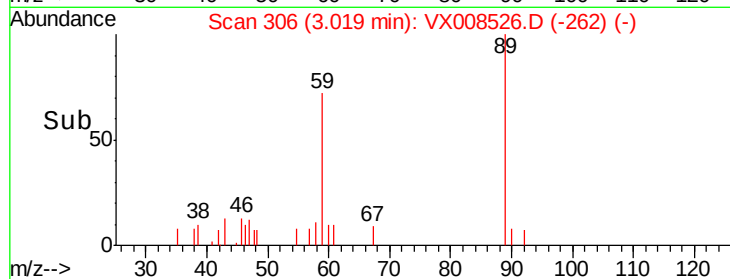
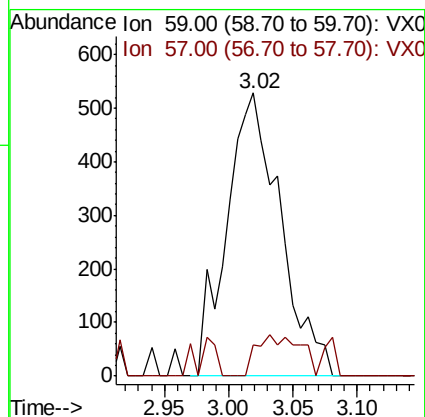
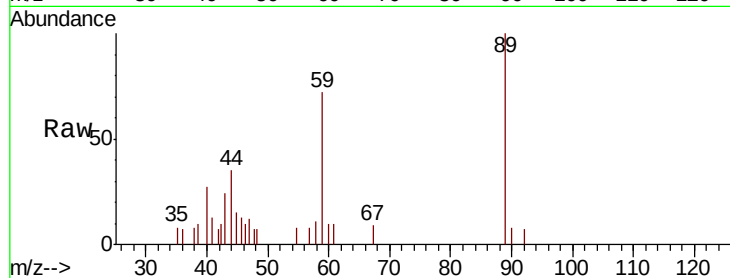


#11

Tert butyl alcohol
 Concen: 2.018 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008526.D
 Acq: 28 Mar 2019 17:46

Instrument :
 MSVOA_X
 ClientSampled :
 MW-8

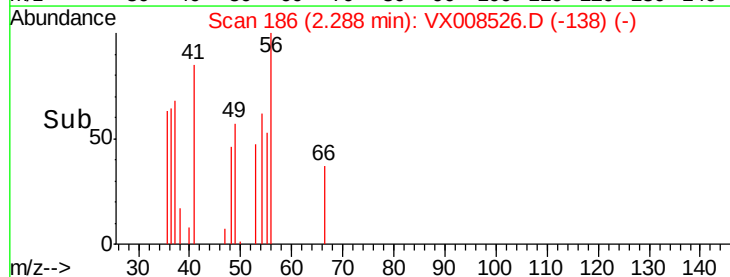
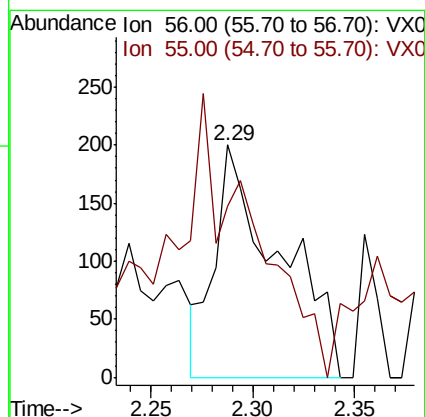
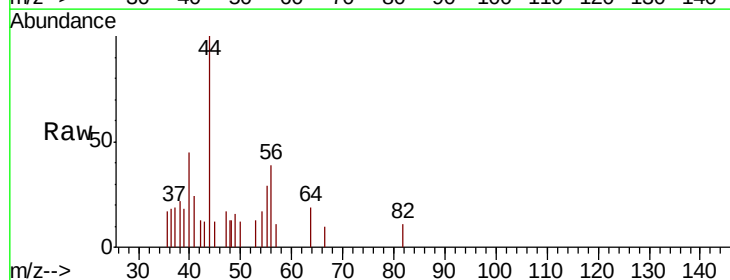
Tot Ion: 59 Resp: 1534
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.2 12.4

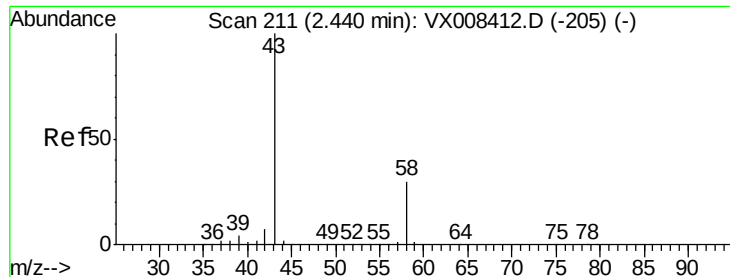


#13

Acrolein
 Concen: 0.797 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008526.D
 Acq: 28 Mar 2019 17:46

Tgt Ion: 56 Resp: 440
 Ion Ratio Lower Upper
 56 100
 55 31.4 56.5 84.7#





#16

Acetone

Concen: 3.056 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

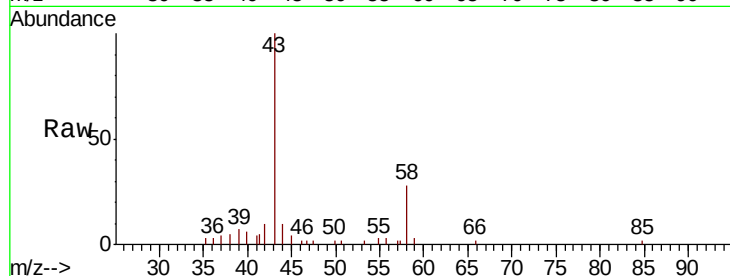
MW-8

Tot Ion: 43 Resp: 5480

Ion Ratio Lower Upper

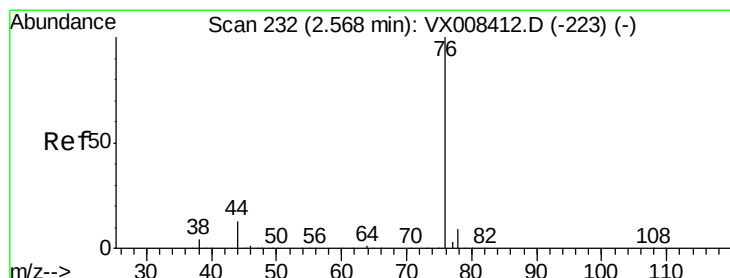
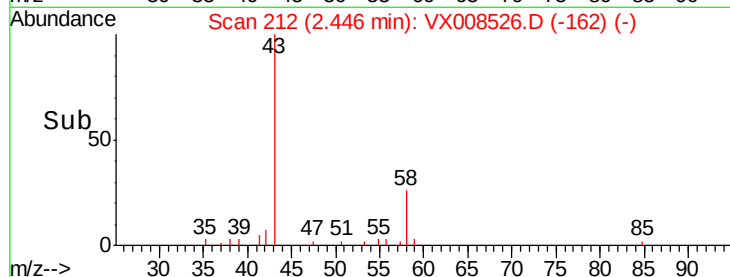
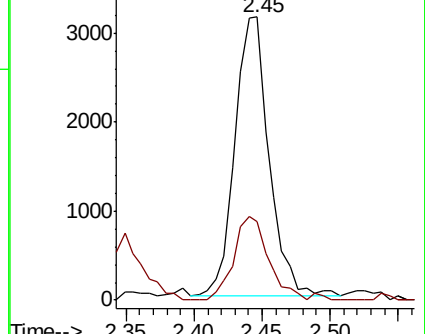
43 100

58 28.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008526.D

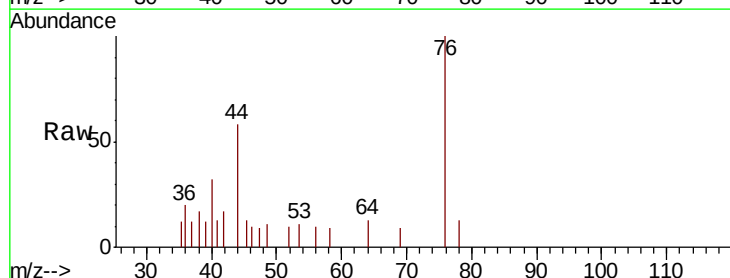
Acq: 28 Mar 2019 17:46

Tgt Ion: 76 Resp: 951

Ion Ratio Lower Upper

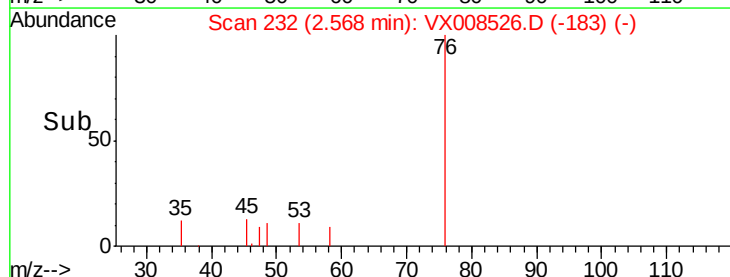
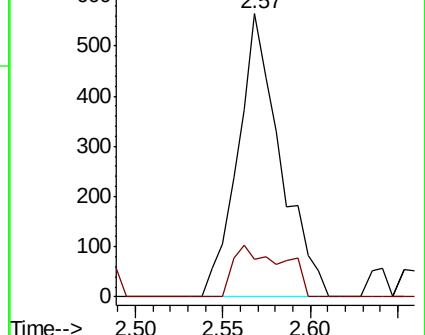
76 100

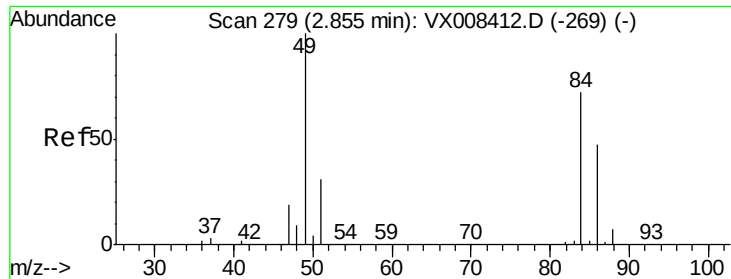
78 13.1 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion: 84 Resp: 993

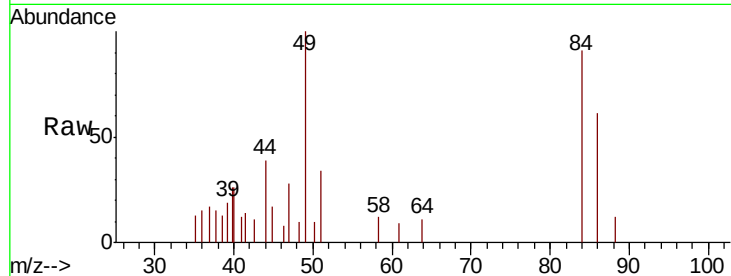
Ion Ratio Lower Upper

84 100

49 110.4 110.6 165.8#

51 37.4 33.9 50.9

86 67.5 52.2 78.2

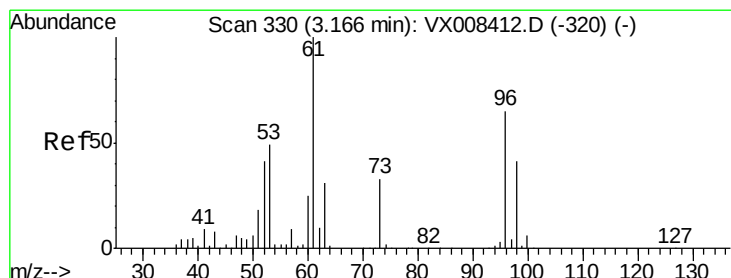
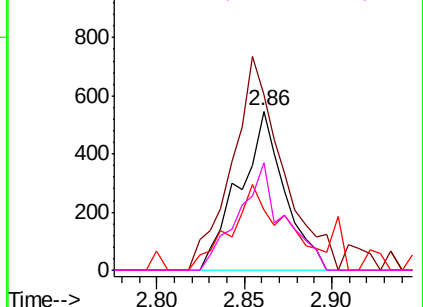
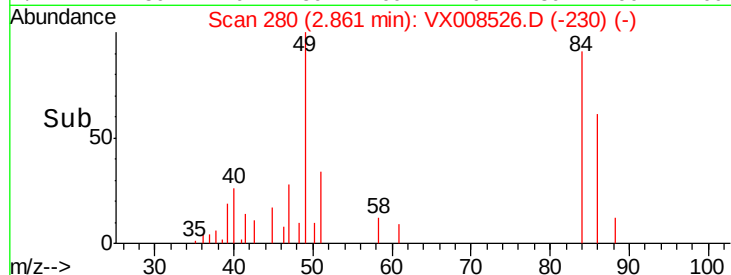


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

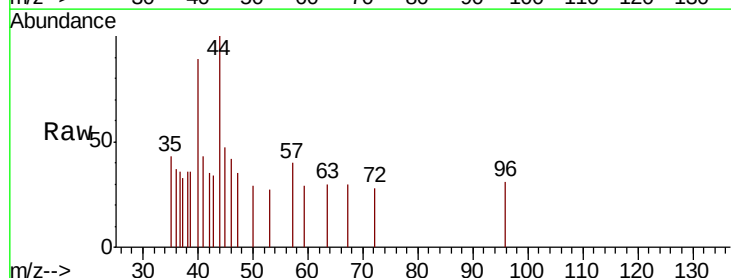
Tgt Ion: 96 Resp: 22

Ion Ratio Lower Upper

96 100

61 0.0 122.6 184.0#

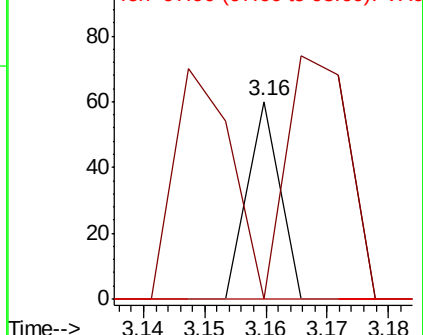
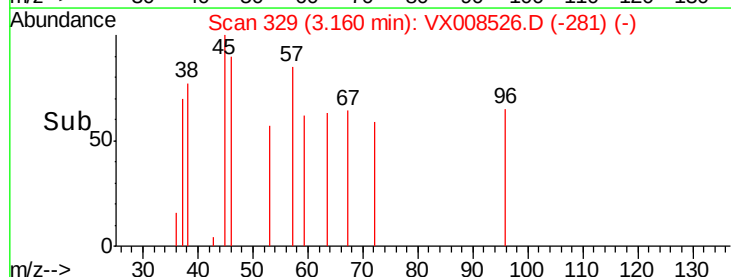
98 0.0 50.9 76.3#

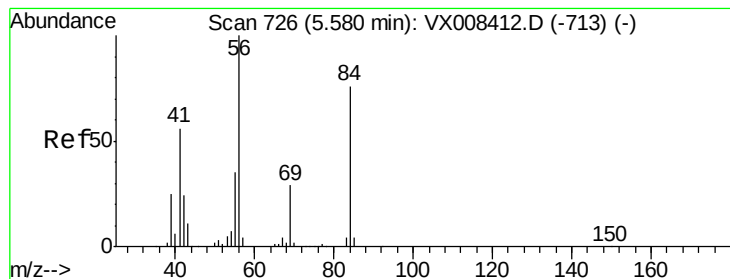


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 0.991 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

MW-8

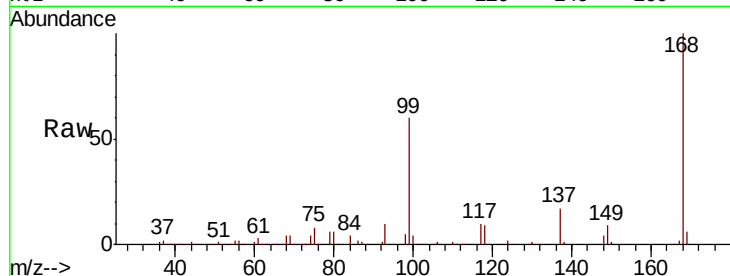
Tot Ion: 56 Resp: 5449

Ion Ratio Lower Upper

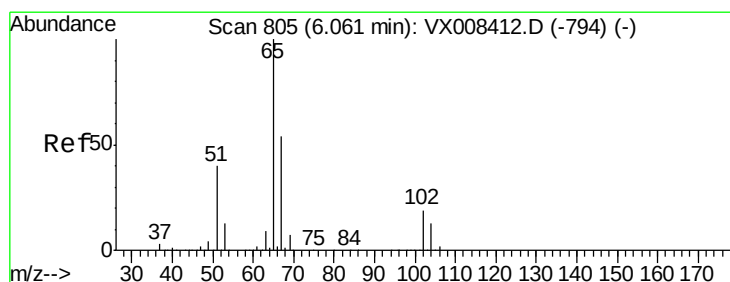
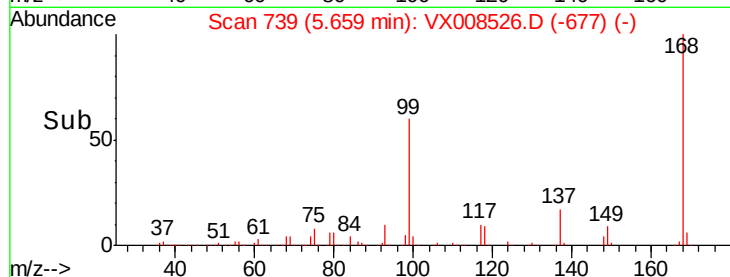
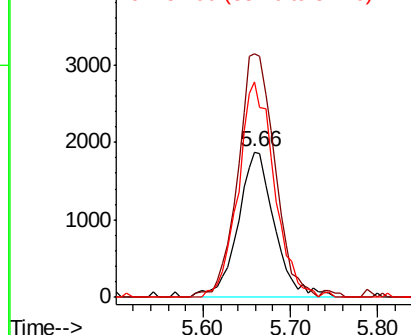
56 100

69 167.5 23.2 34.8#

84 148.7 60.7 91.1#



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: 45.888 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008526.D

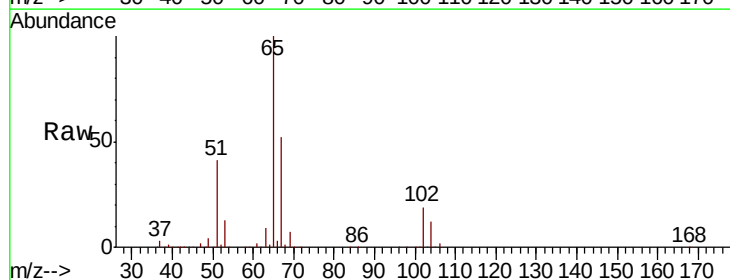
Acq: 28 Mar 2019 17:46

Tgt Ion: 65 Resp: 157456

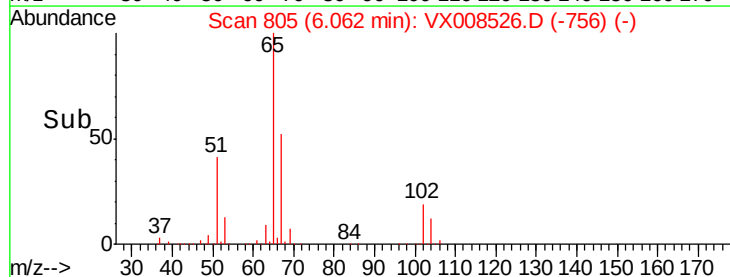
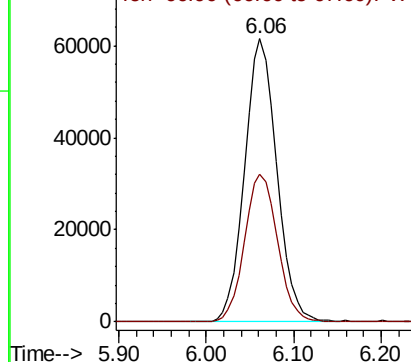
Ion Ratio Lower Upper

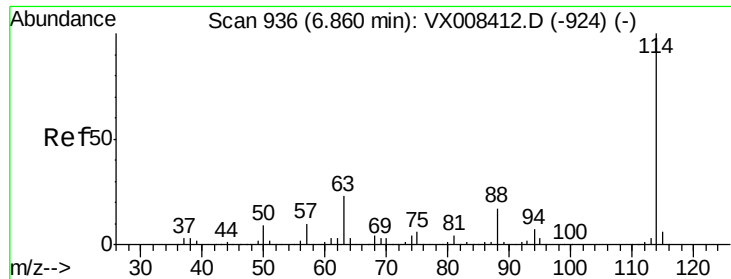
65 100

67 53.7 0.0 109.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

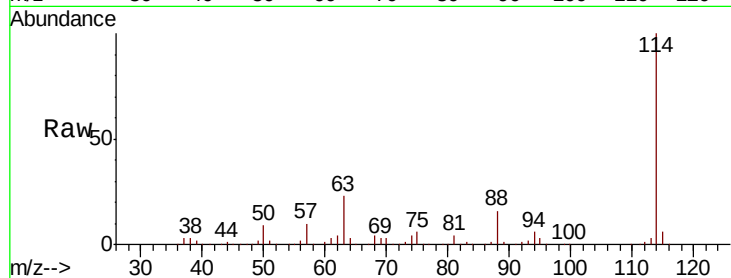




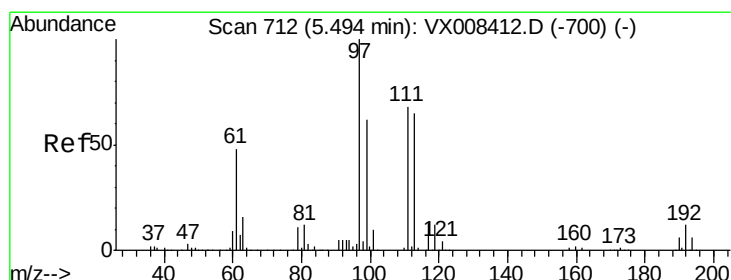
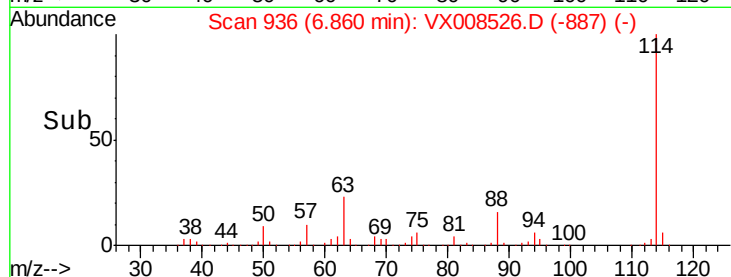
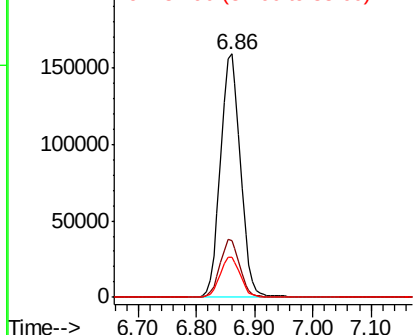
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008526.D
 Acq: 28 Mar 2019 17:46

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.4
88	16.4	0.0	33.2

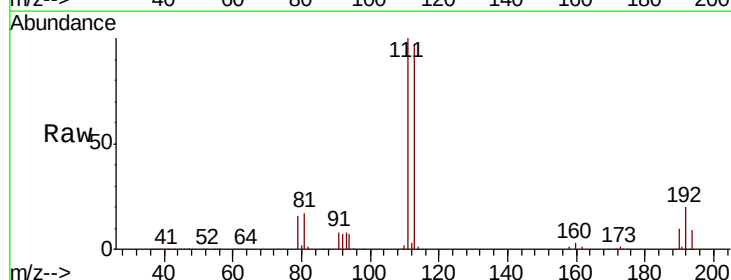


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

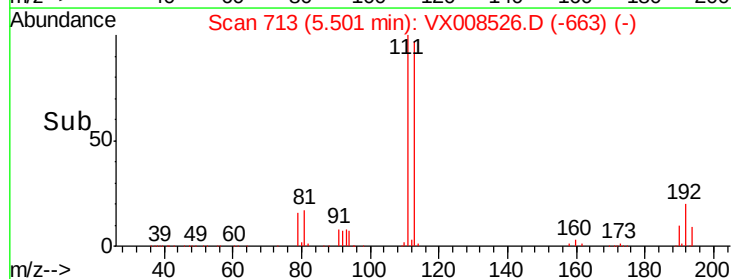
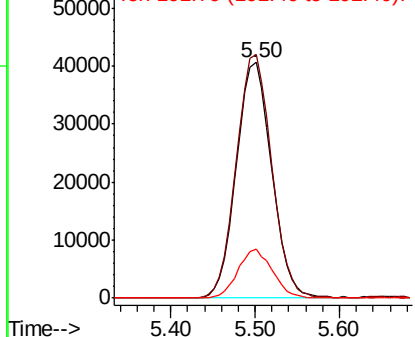


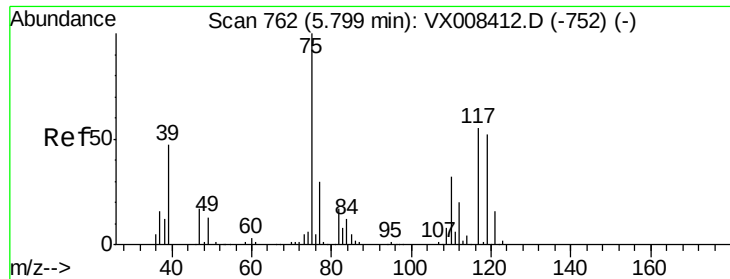
#35
 Dibromofluoromethane
 Concen: 46.425 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX008526.D
 Acq: 28 Mar 2019 17:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.0	124.4
192	20.2	15.6	23.4



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

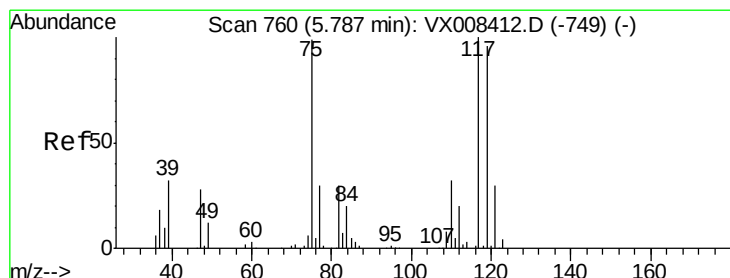
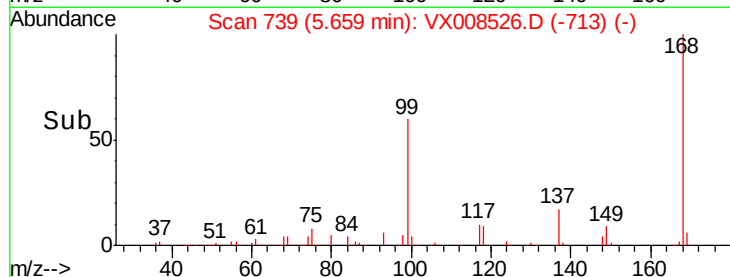
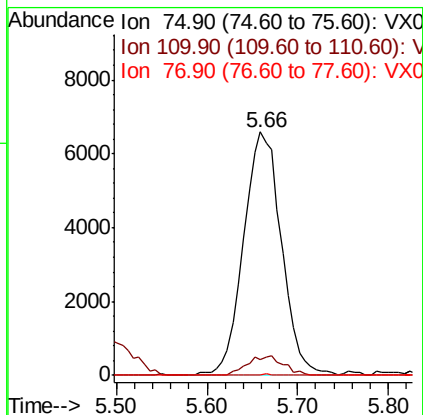
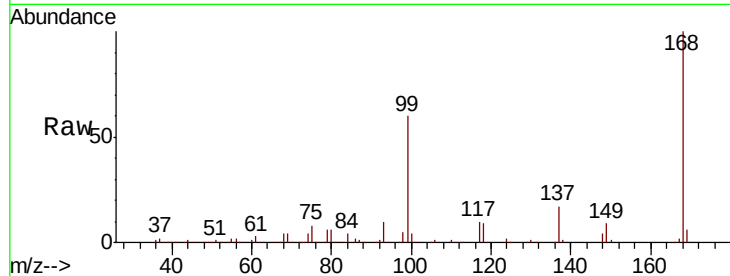




#36
 1,1-Dichloropropene
 Concen: 4.682 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008526.D
 Acq: 28 Mar 2019 17:46

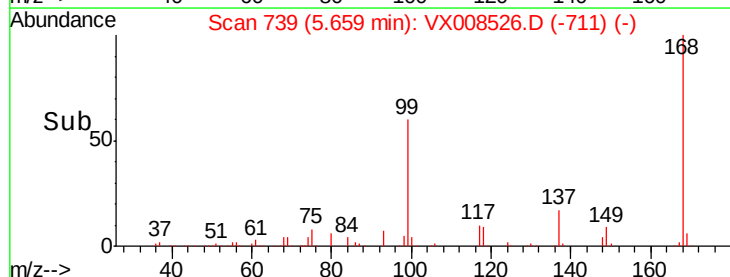
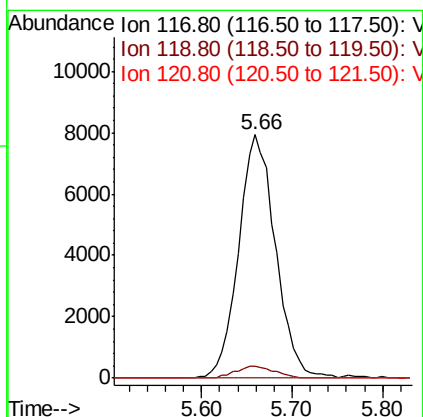
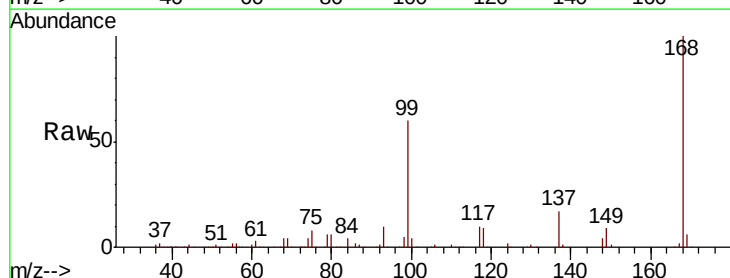
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

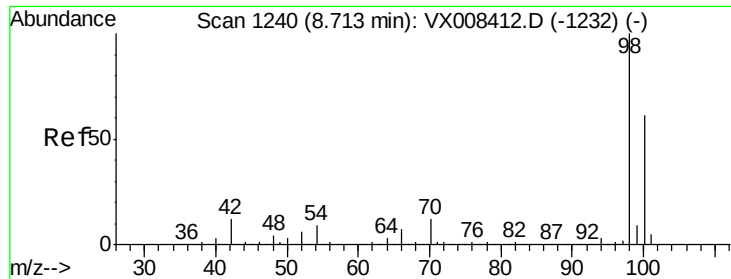
Tot Ion: 75 Resp: 19053
 Ion Ratio Lower Upper
 75 100
 110 7.5 16.6 49.7#
 77 0.1 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.561 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008526.D
 Acq: 28 Mar 2019 17:46

Tgt Ion: 117 Resp: 22284
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.7 115.1#
 121 0.0 24.3 36.5#

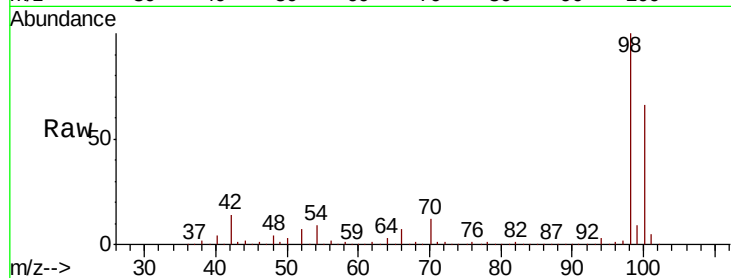




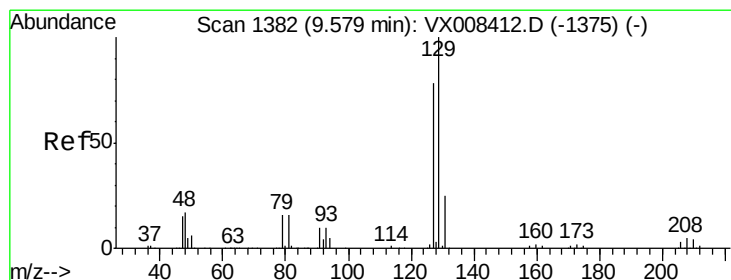
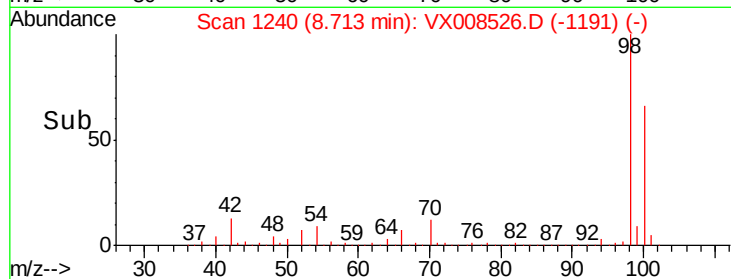
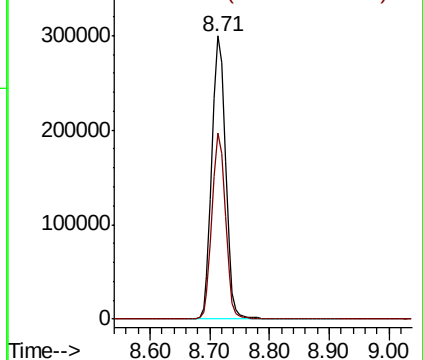
#50
Toluene-d8
Concen: 47.418 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008526.D
Acq: 28 Mar 2019 17:46

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion: 98 Resp: 471891
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7

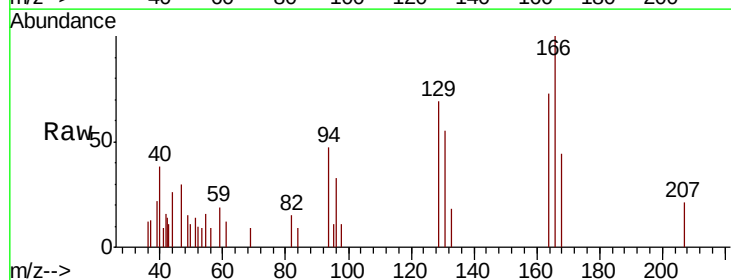


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

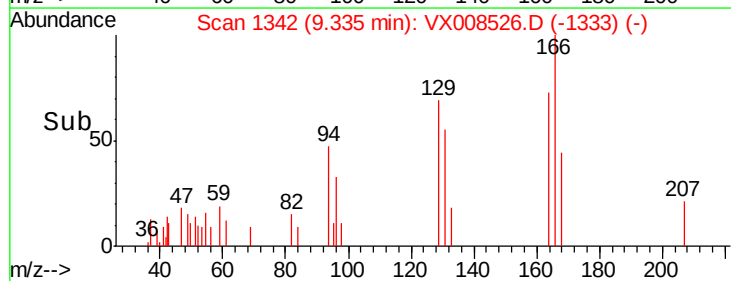
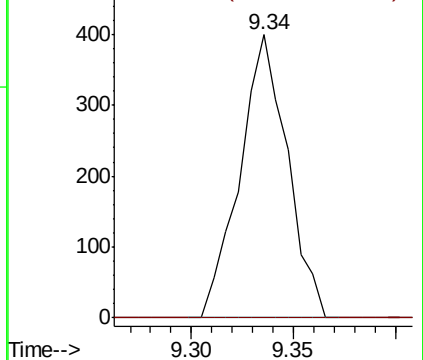


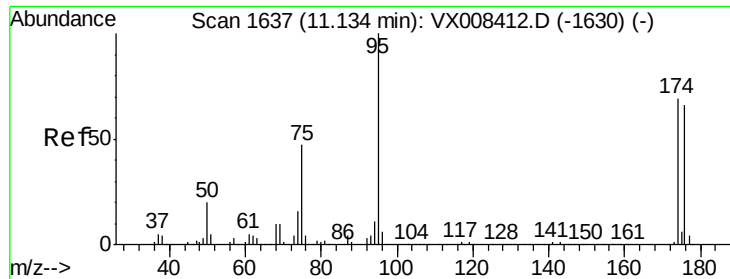
#60
Dibromochloromethane
Concen: 0.229 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008526.D
Acq: 28 Mar 2019 17:46

Tgt Ion:129 Resp: 647
Ion Ratio Lower Upper
129 100
127 0.0 38.1 114.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 41.830 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

MW-8

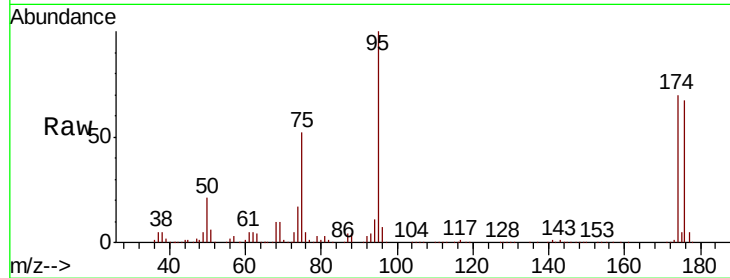
Tot Ion: 95 Resp: 154257

Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.2

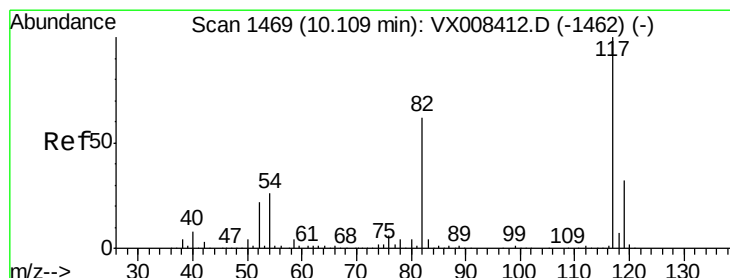
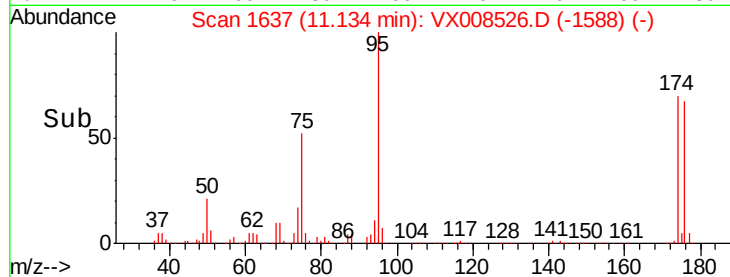
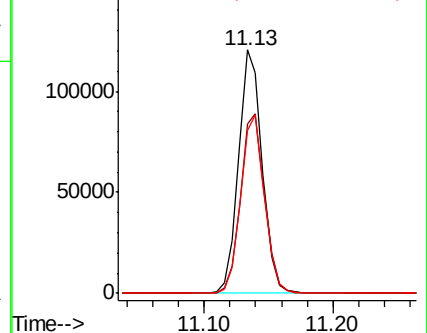
176 73.0 0.0 142.4



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: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

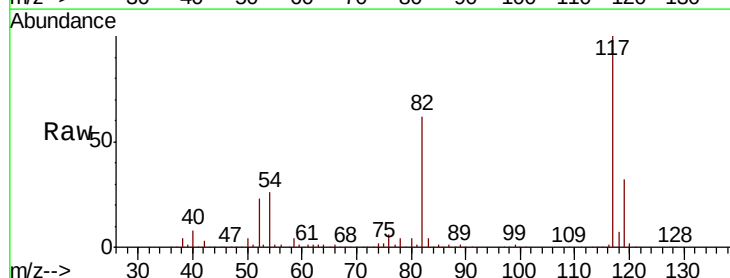
Tgt Ion: 117 Resp: 319915

Ion Ratio Lower Upper

117 100

82 61.9 49.4 74.2

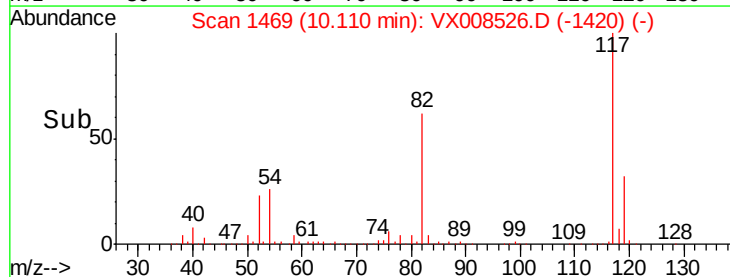
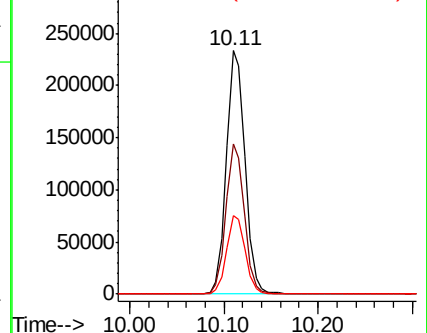
119 32.1 25.4 38.0

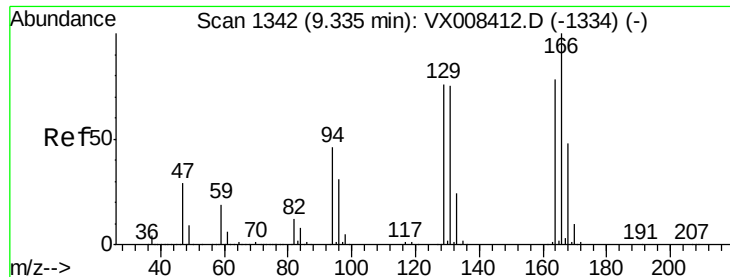


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

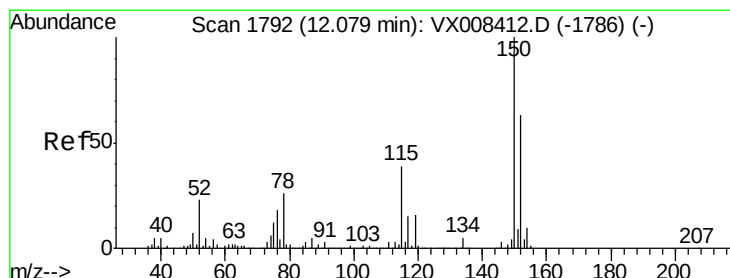
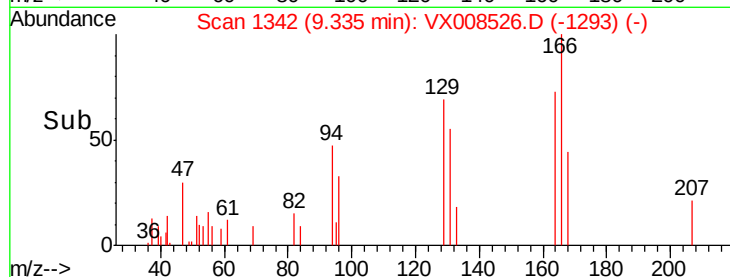
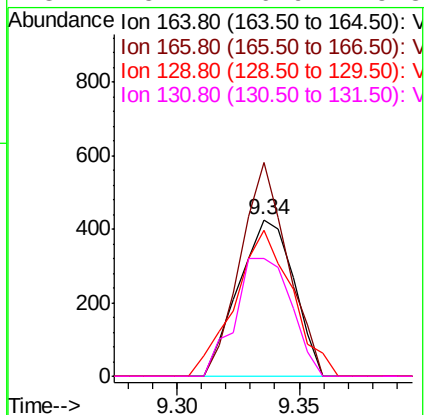
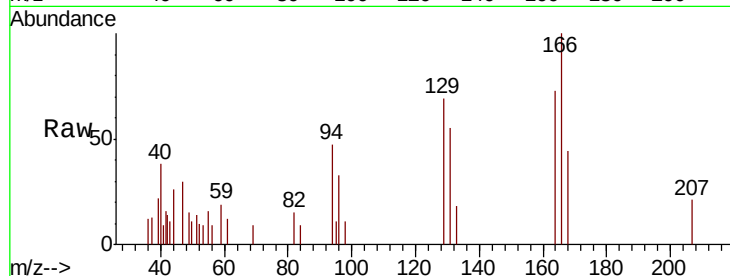




#64
Tetrachloroethene
Concen: 0.311 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008526.D
Acq: 28 Mar 2019 17:46

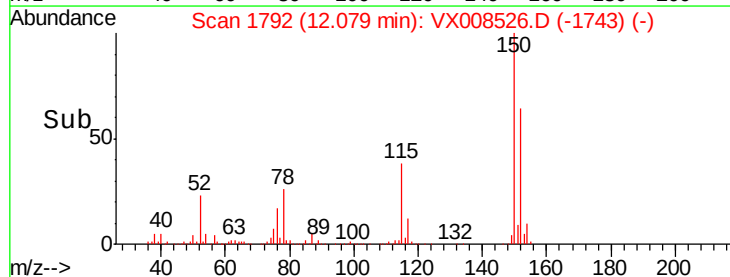
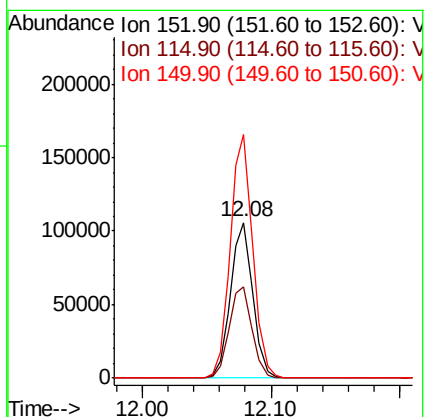
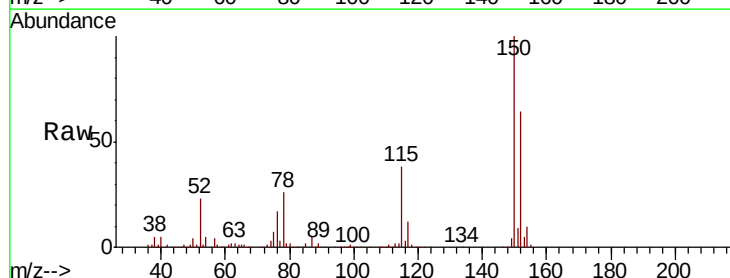
Instrument :
MSVOA_X
ClientSampled :
MW-8

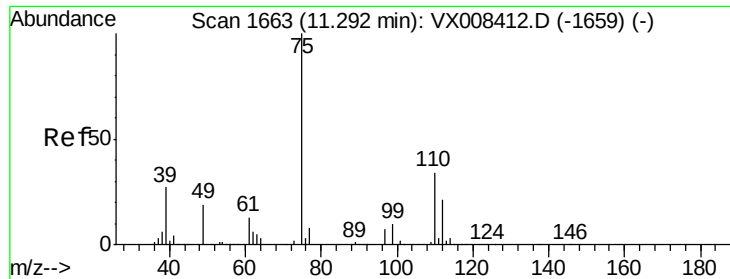
Tot Ion:164 Resp: 673
Ion Ratio Lower Upper
164 100
166 136.1 102.5 153.7
129 93.4 77.8 116.8
131 75.4 76.9 115.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008526.D
Acq: 28 Mar 2019 17:46

Tgt Ion:152 Resp: 128320
Ion Ratio Lower Upper
152 100
115 60.8 43.5 130.5
150 157.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 20.842 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

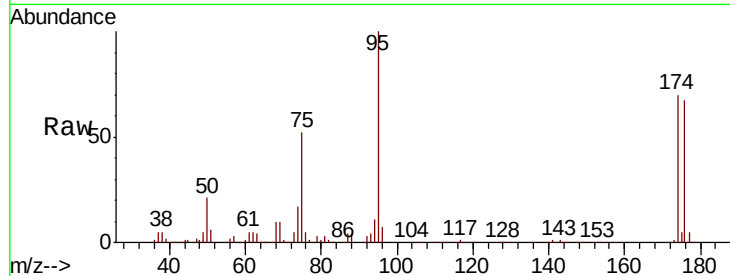
MW-8

Tot Ion: 75 Resp: 79511

Ion Ratio Lower Upper

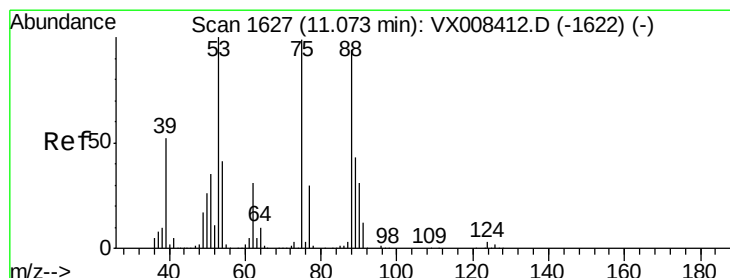
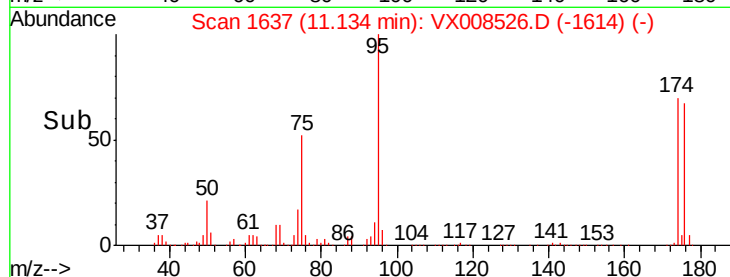
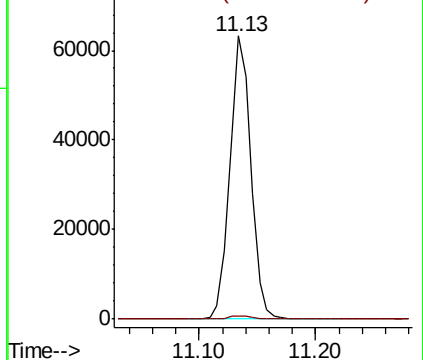
75 100

77 1.2 21.9 65.7#



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: 66.756 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008526.D

Acq: 28 Mar 2019 17:46

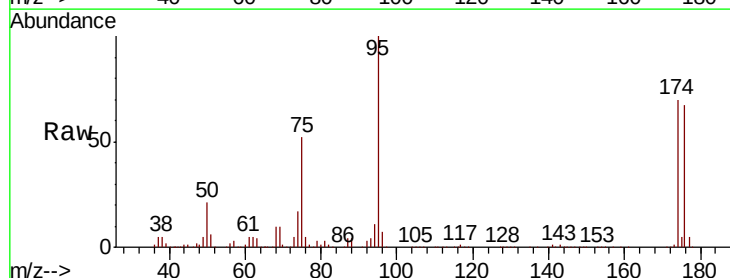
Tgt Ion: 75 Resp: 79511

Ion Ratio Lower Upper

75 100

53 0.0 82.1 123.1#

89 0.0 34.6 52.0#



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

