

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052120\
 Data File : VX016389.D
 Acq On : 21 May 2020 17:19
 Operator : JC/SP
 Sample : L2730-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 22 09:21:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

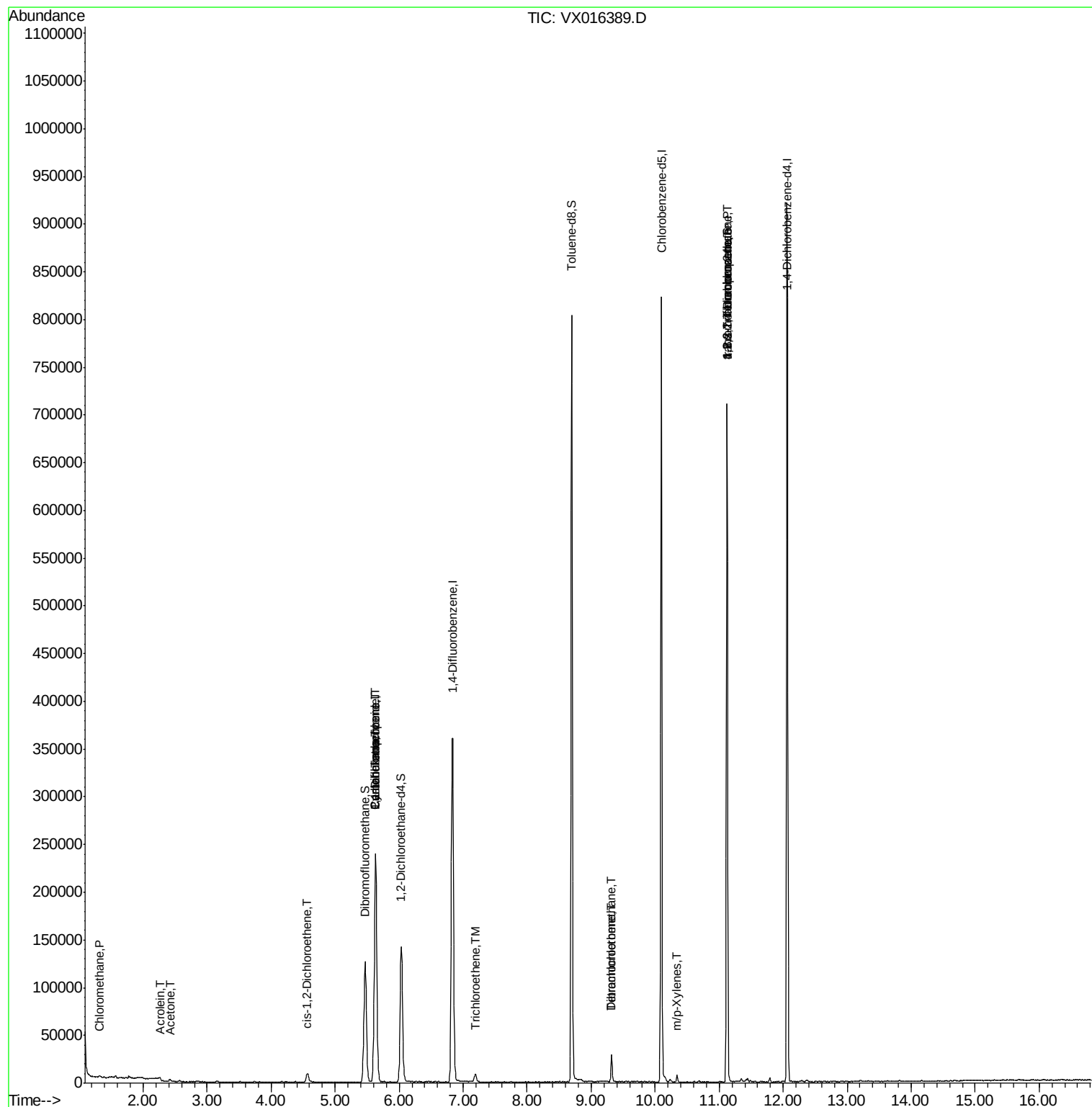
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	234919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	389306	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	378553	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195296	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	134785	43.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.20%	
35) Dibromofluoromethane	5.46	113	111186	45.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.16%	
50) Toluene-d8	8.70	98	475903	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
62) 4-Bromofluorobenzene	11.12	95	194621	53.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.68%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	840	0.291	ug/l	100
13) Acrolein	2.28	56	102	0.209	ug/l #	14
16) Acetone	2.42	43	2491	1.806	ug/l	93
17) Carbon Disulfide	2.55	76	766	Below Cal	#	68
27) cis-1,2-Dichloroethene	4.57	96	6485	2.180	ug/l	80
31) Cyclohexane	5.62	56	4060	0.945	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16611	4.335	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22276	5.719	ug/l #	15
44) Trichloroethene	7.20	130	3030	0.761	ug/l	86
60) Dibromochloromethane	9.32	129	5056	1.669	ug/l #	11
64) Tetrachloroethene	9.32	164	5466	1.176	ug/l	95
68) m/p-Xylenes	10.34	106	1685	0.318	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.12	83	122	2.095	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	89507	20.197	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	89507	48.131	ug/l #	13

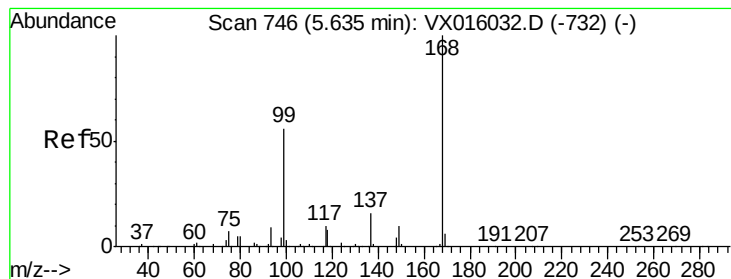
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

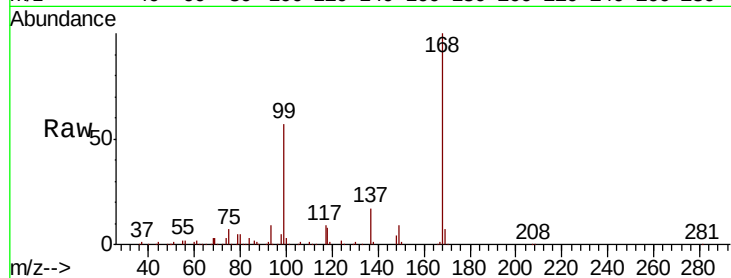
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 234919

Ion Ratio Lower Upper

168 100

99 56.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

60000

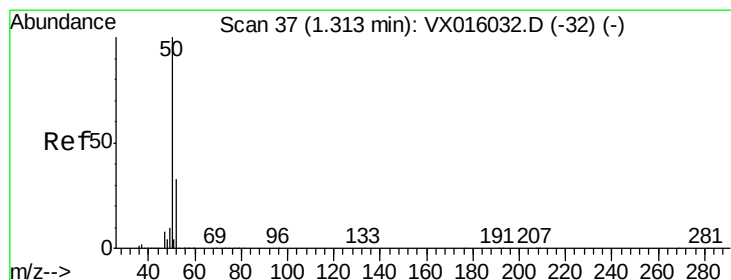
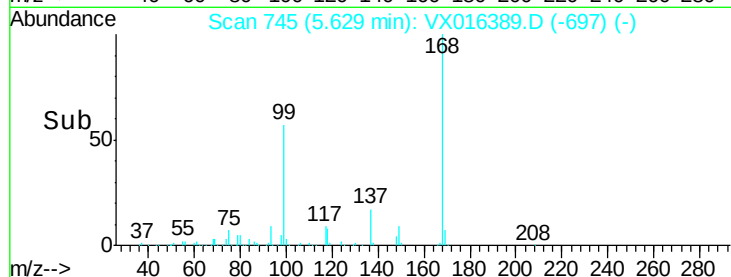
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.291 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016389.D

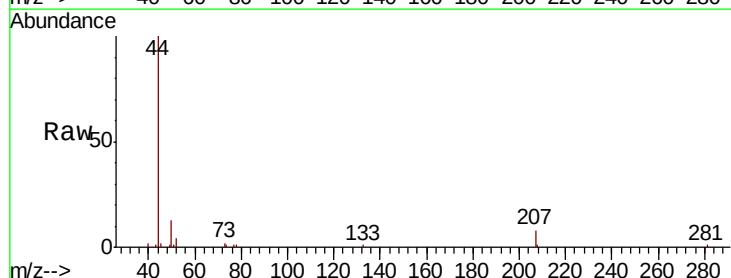
Acq: 21 May 2020 17:19

Tgt Ion: 50 Resp: 840

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

800

600

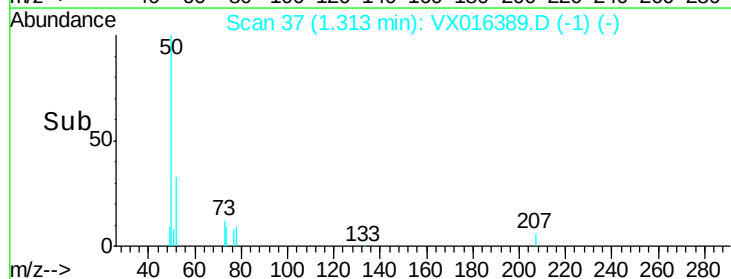
400

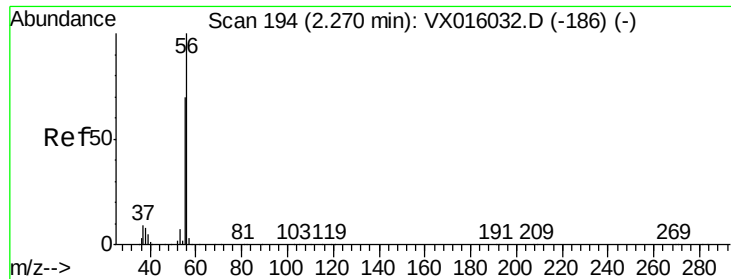
200

0

Time-->

1.30 1.35





#13

Acrolein

Concen: 0.209 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

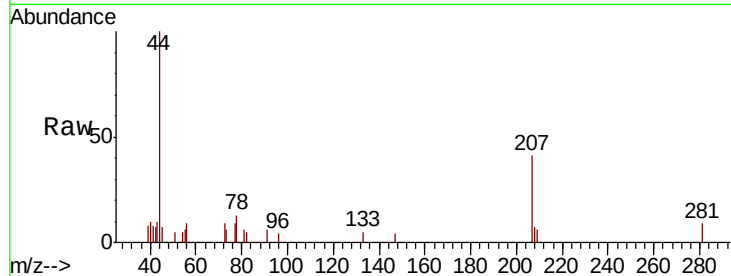
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 102

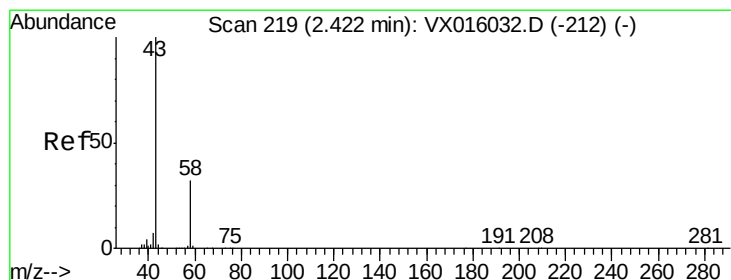
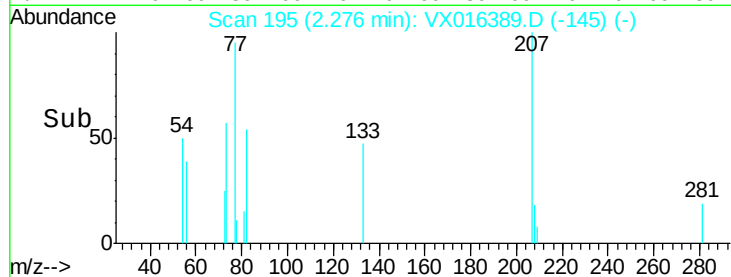
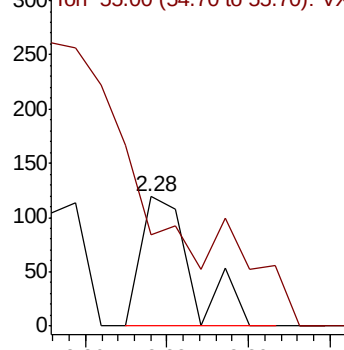
Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.806 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX016389.D

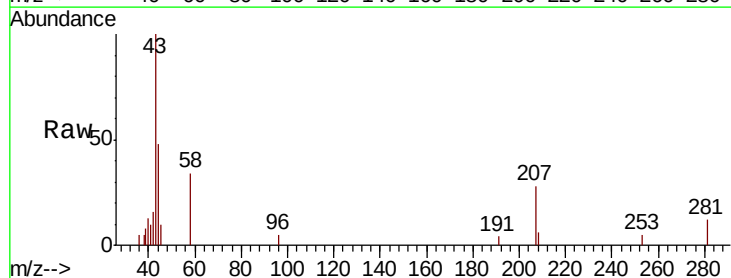
Acq: 21 May 2020 17:19

Tgt Ion: 43 Resp: 2491

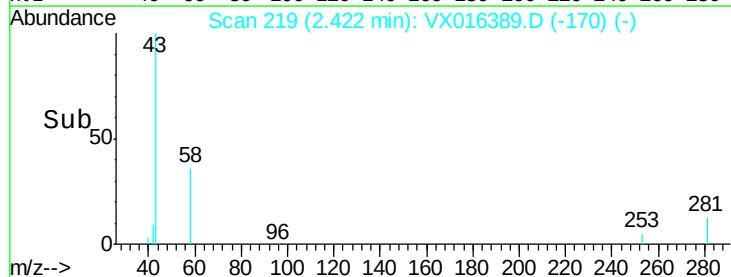
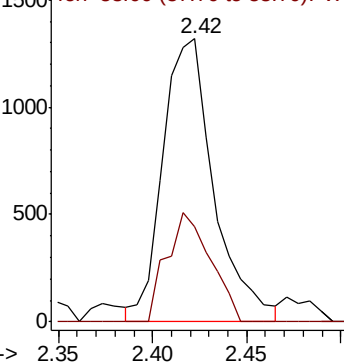
Ion Ratio Lower Upper

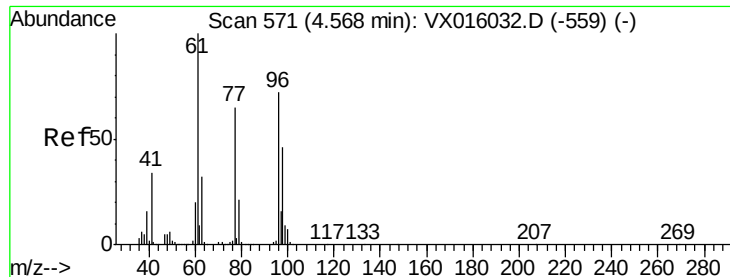
43 100

58 35.3 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



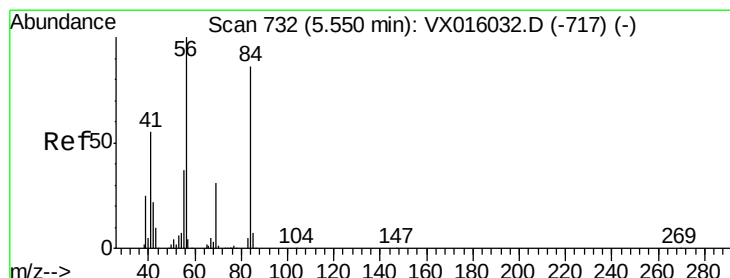
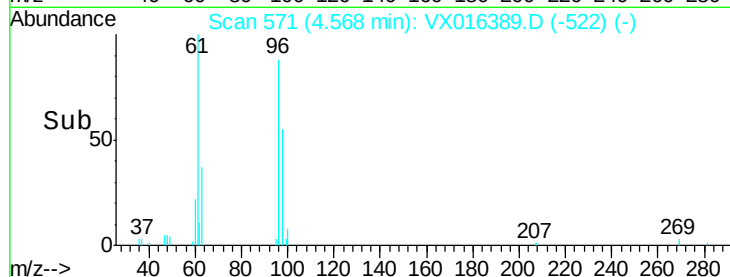
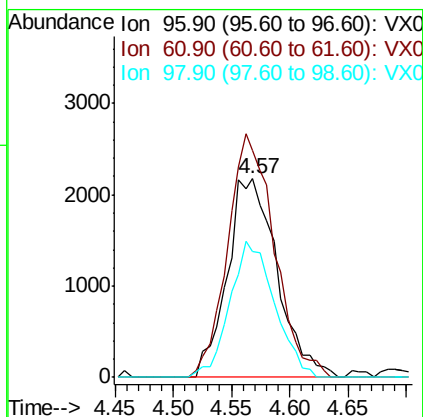
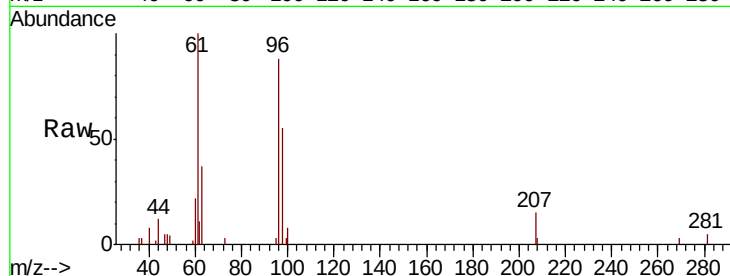


#27

cis-1,2-Dichloroethene
 Concen: 2.180 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: VX016389.D
 Acq: 21 May 2020 17:19

Instrument :
 MSVOA_X
 ClientSampleId :

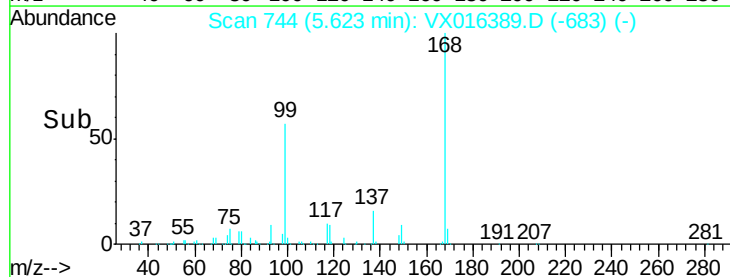
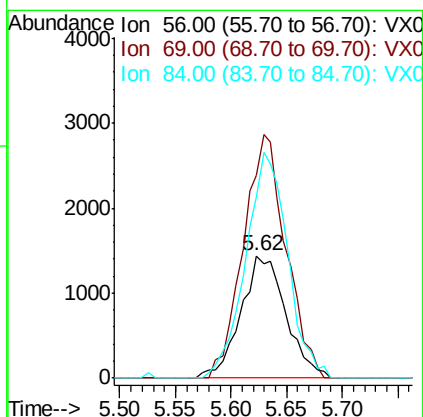
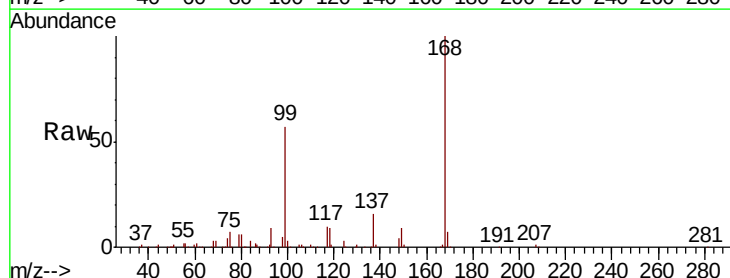
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.9	0.0	296.2
98	61.2	0.0	129.4

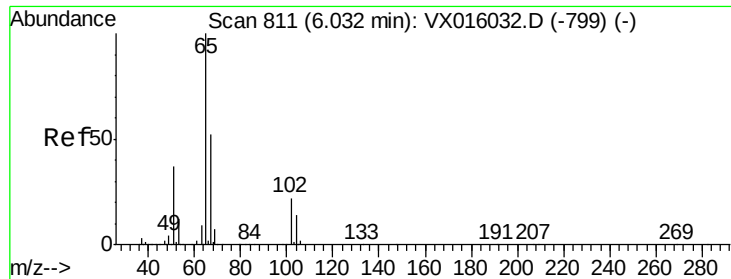


#31

Cyclohexane
 Concen: 0.945 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. 0.07 min
 Lab File: VX016389.D
 Acq: 21 May 2020 17:19

Tgt Ion	Ratio	Lower	Upper
56	100		
69	165.9	25.0	37.6#
84	148.7	69.0	103.6#

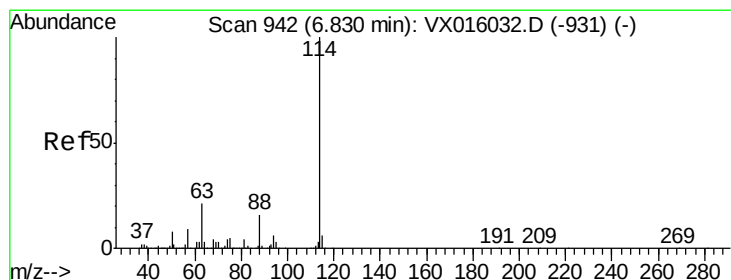
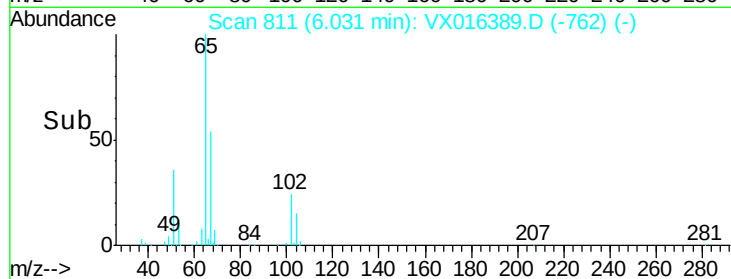
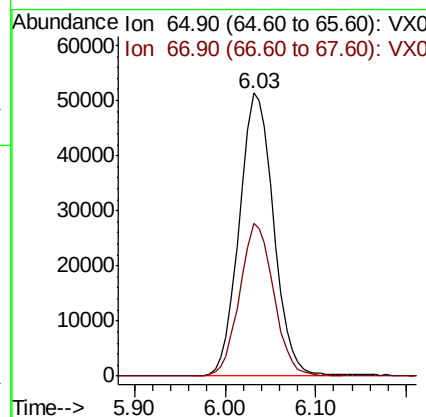
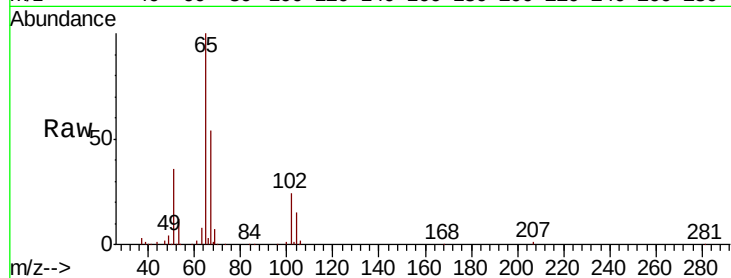




#33
 1,2-Dichloroethane-d4
 Concen: 43.601 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016389.D
 Acq: 21 May 2020 17:19

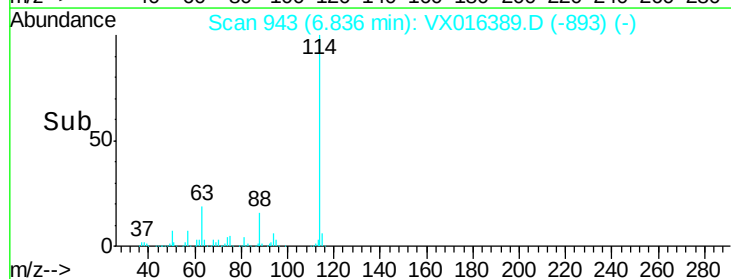
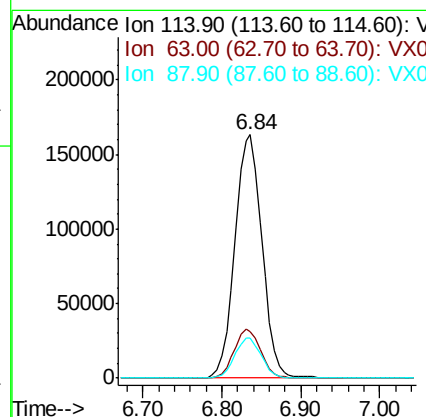
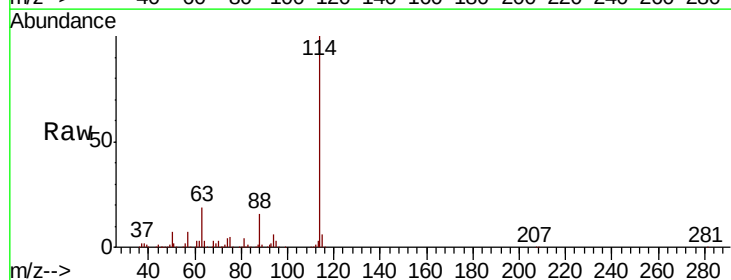
Instrument :
 MSVOA_X
 ClientSampleId :

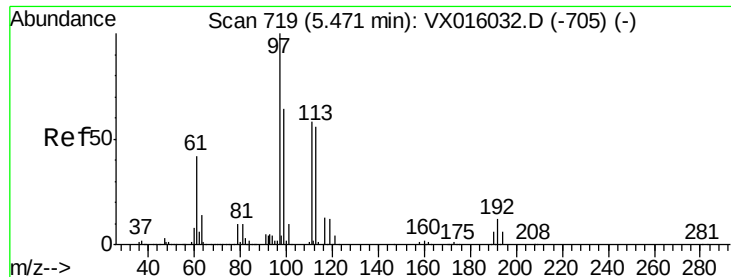
Tot Ion: 65 Resp: 134785
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016389.D
 Acq: 21 May 2020 17:19

Tgt Ion: 114 Resp: 389306
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.8
 88 16.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.080 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

Instrument :
MSVOA_X
ClientSampled :

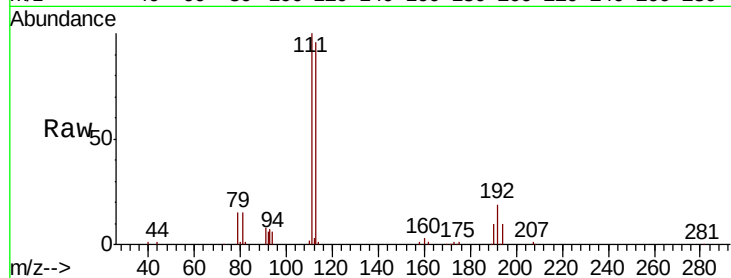
Tot Ion:113 Resp: 111186

Ion Ratio Lower Upper

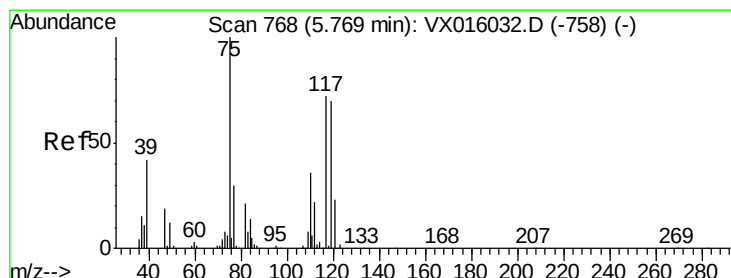
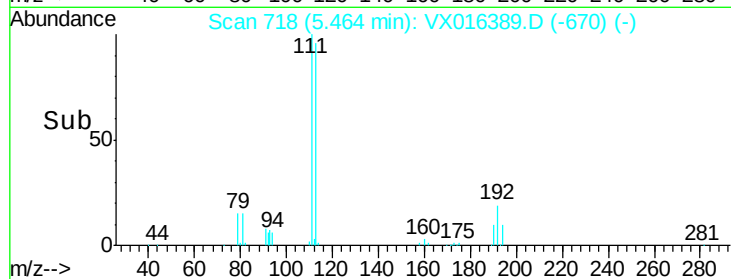
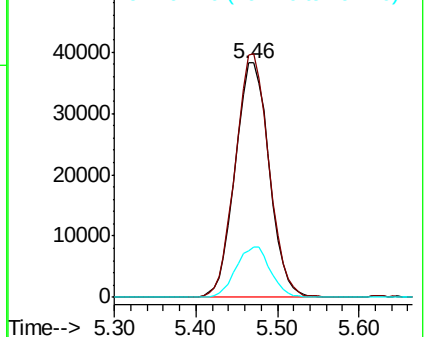
113 100

111 102.6 81.6 122.4

192 21.7 17.0 25.4



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: 4.335 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

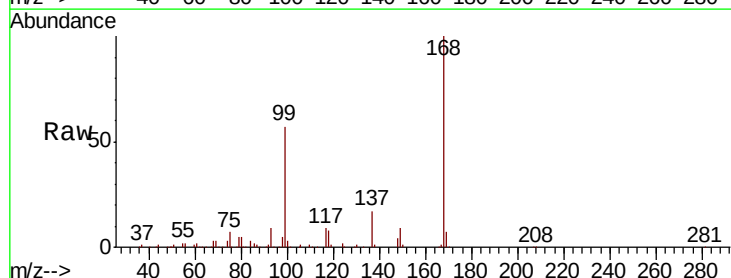
Tgt Ion: 75 Resp: 16611

Ion Ratio Lower Upper

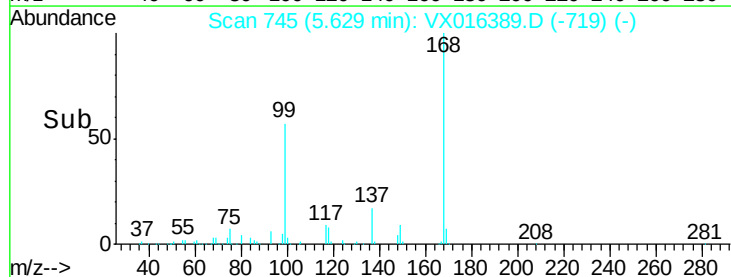
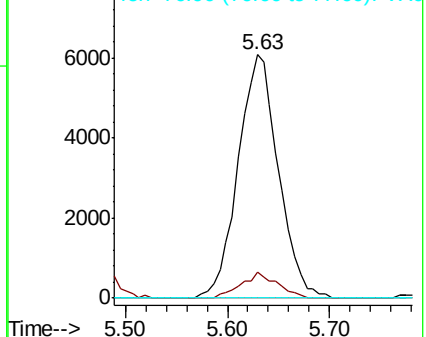
75 100

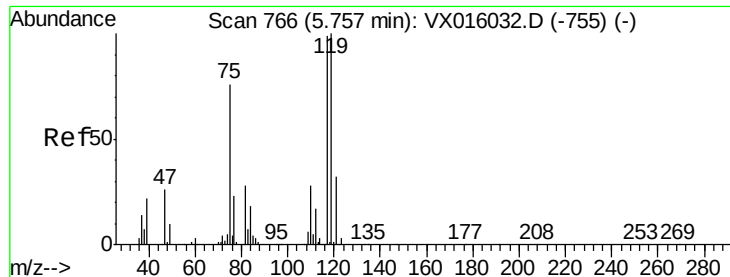
110 9.4 18.1 54.1#

77 0.0 25.0 37.6#



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: 5.719 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

Instrument :

MSVOA_X

ClientSampled :

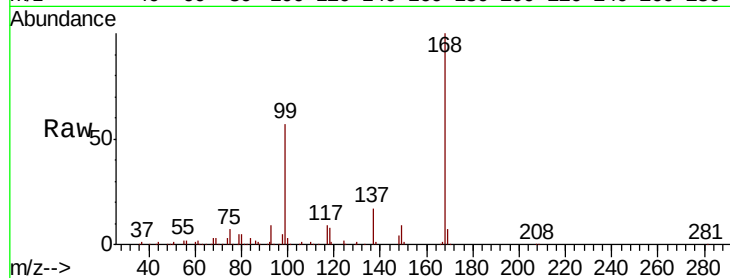
Tot Ion:117 Resp: 22276

Ion Ratio Lower Upper

117 100

119 6.4 80.3 120.5#

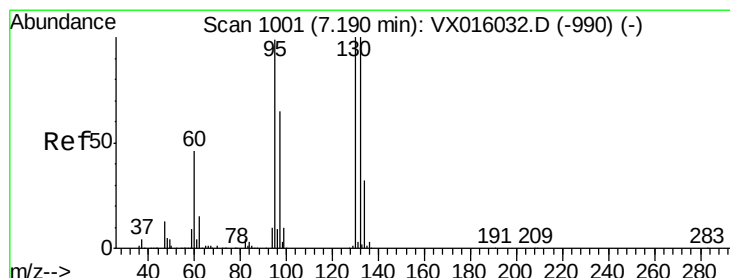
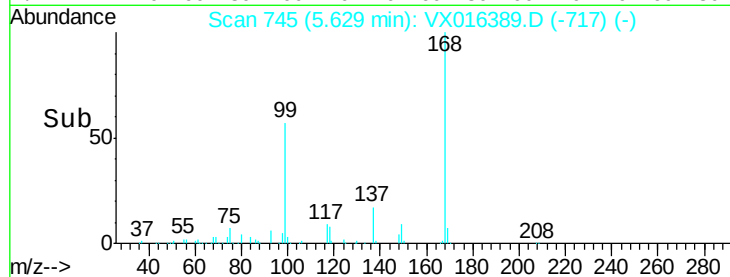
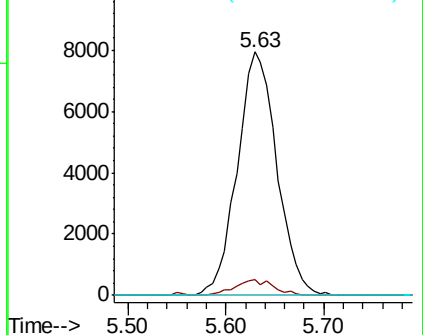
121 0.0 25.7 38.5#



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



#44

Trichloroethene

Concen: 0.761 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX016389.D

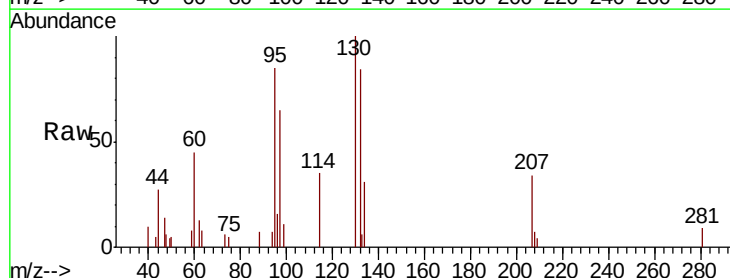
Acq: 21 May 2020 17:19

Tgt Ion:130 Resp: 3030

Ion Ratio Lower Upper

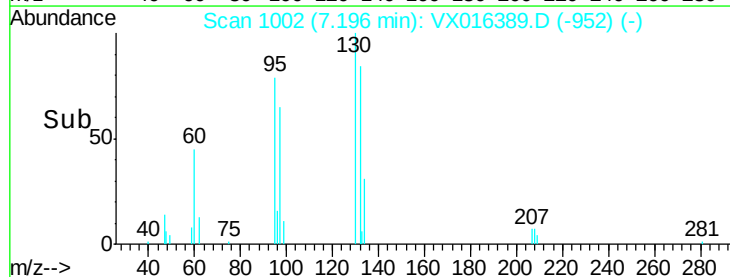
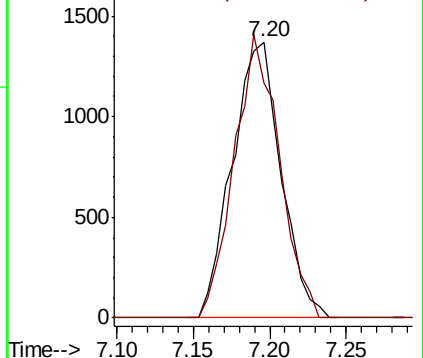
130 100

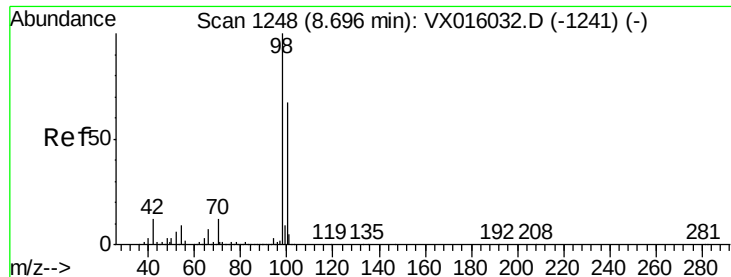
95 84.9 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.078 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

Instrument :

MSVOA_X

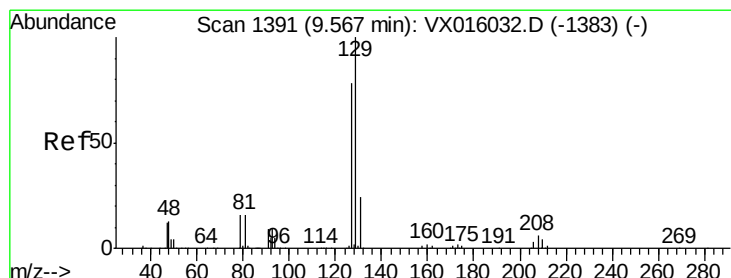
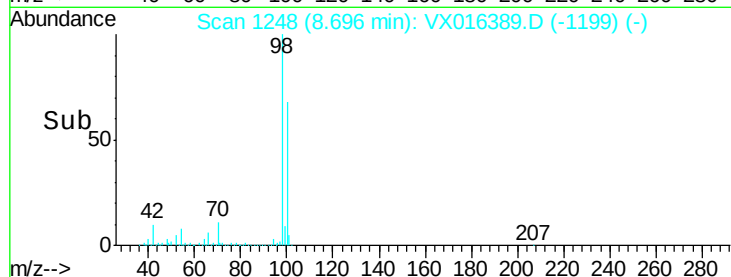
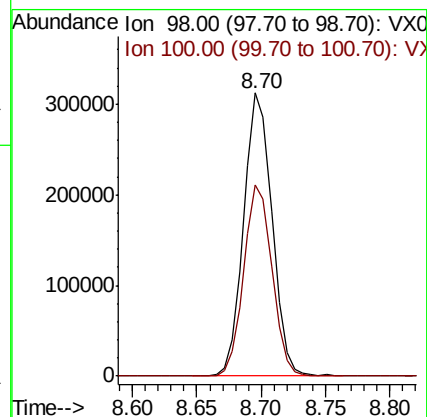
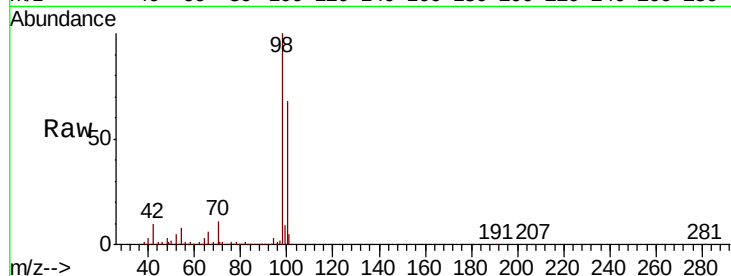
ClientSampleId :

Tot Ion: 98 Resp: 475903

Ion Ratio Lower Upper

98 100

100 67.6 53.7 80.5



#60

Dibromochloromethane

Concen: 1.669 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016389.D

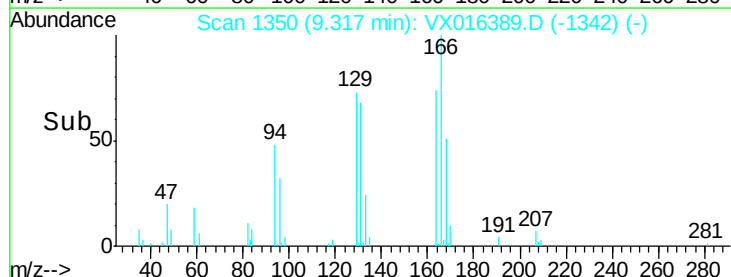
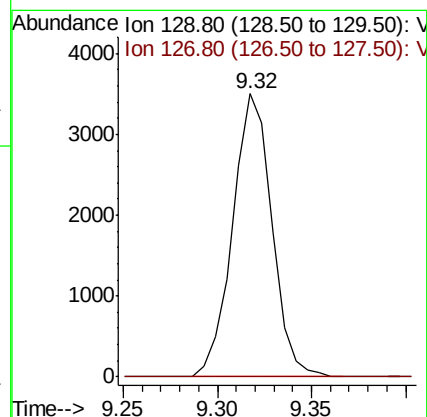
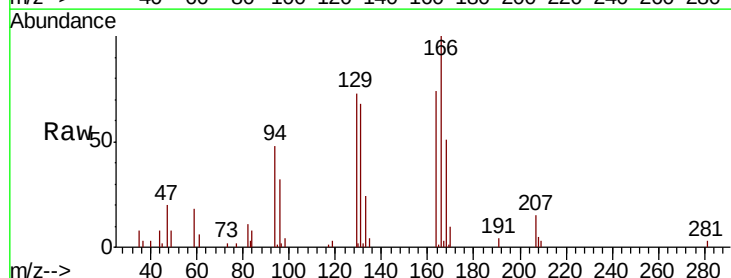
Acq: 21 May 2020 17:19

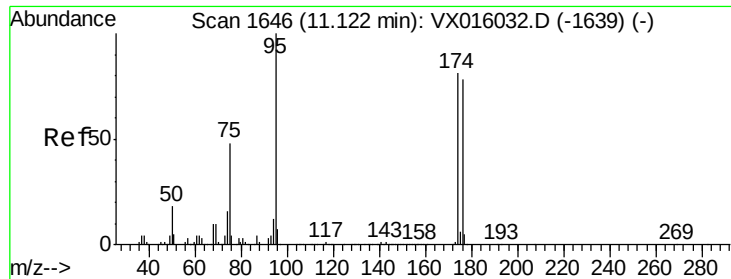
Tgt Ion: 129 Resp: 5056

Ion Ratio Lower Upper

129 100

127 0.0 38.4 115.2#

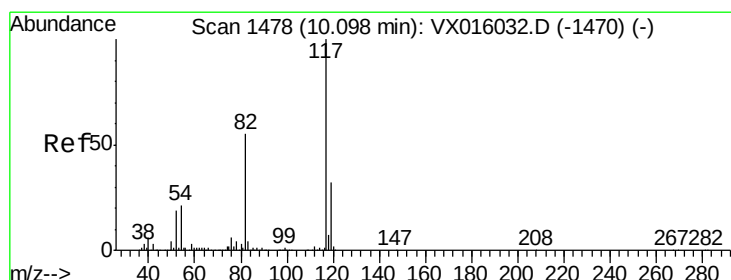
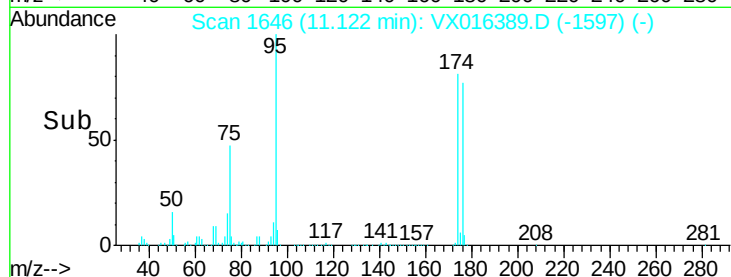
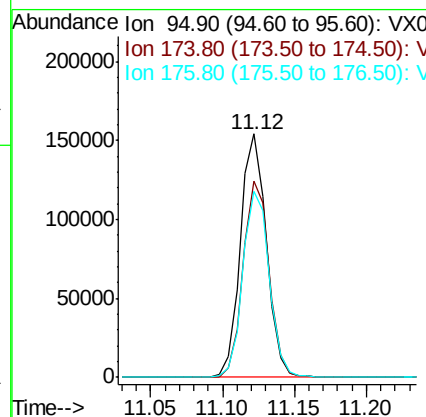
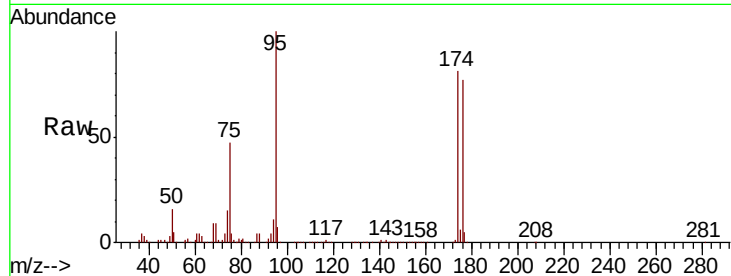




#62
4-Bromofluorobenzene
Concen: 53.843 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016389.D
Acq: 21 May 2020 17:19

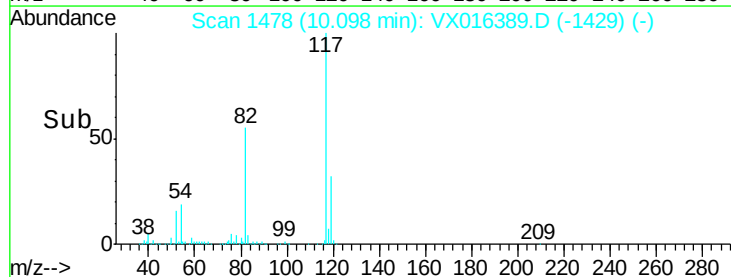
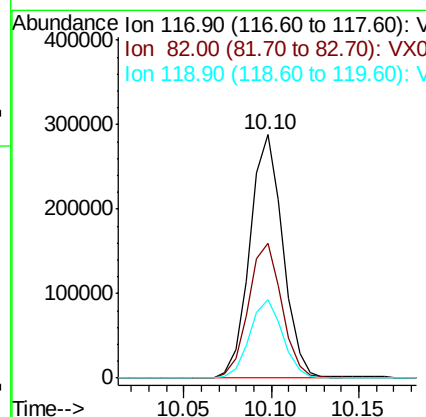
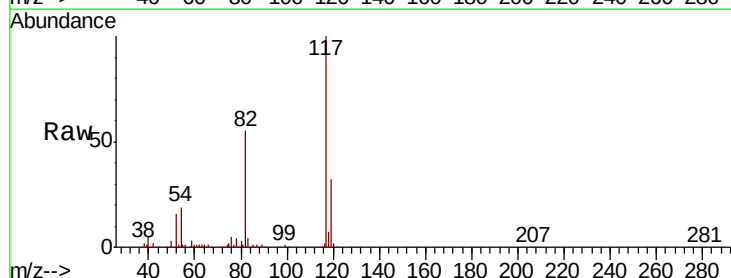
Instrument :
MSVOA_X
ClientSampleId :

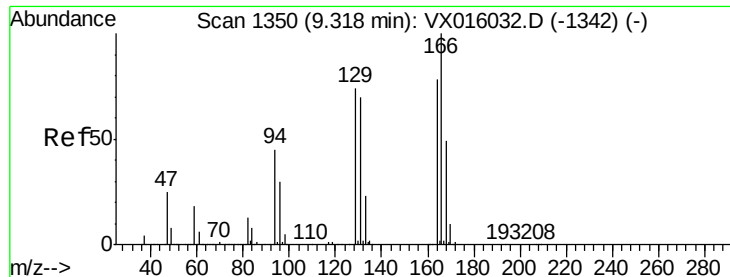
Tot Ion: 95 Resp: 194621
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.4
176 77.3 0.0 157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016389.D
Acq: 21 May 2020 17:19

Tgt Ion: 117 Resp: 378553
Ion Ratio Lower Upper
117 100
82 55.4 44.4 66.6
119 32.2 25.5 38.3





#64

Tetrachloroethene

Concen: 1.176 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 5466

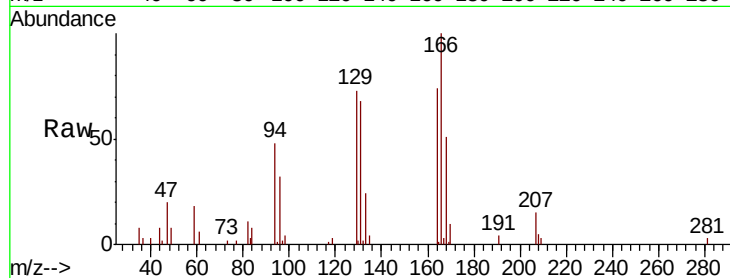
Ion Ratio Lower Upper

164 100

166 135.7 102.9 154.3

129 99.4 76.1 114.1

131 92.4 71.9 107.9

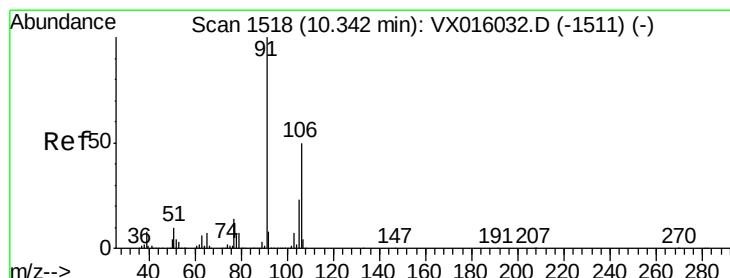
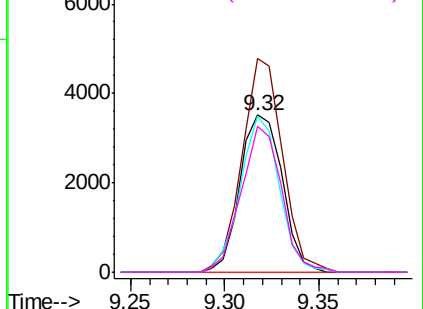
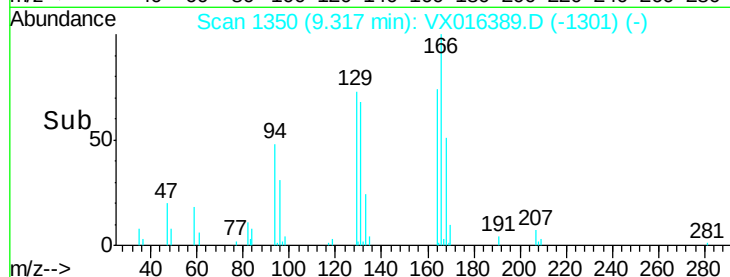


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#68

m/p-Xylenes

Concen: 0.318 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX016389.D

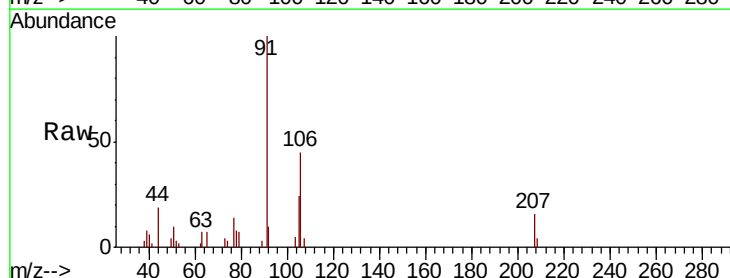
Acq: 21 May 2020 17:19

Tgt Ion:106 Resp: 1685

Ion Ratio Lower Upper

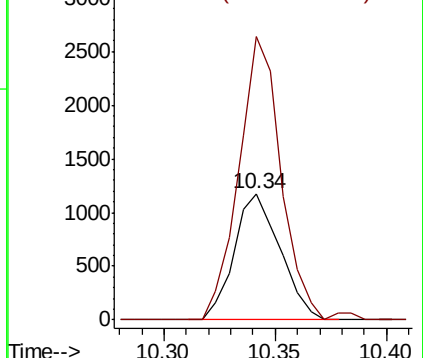
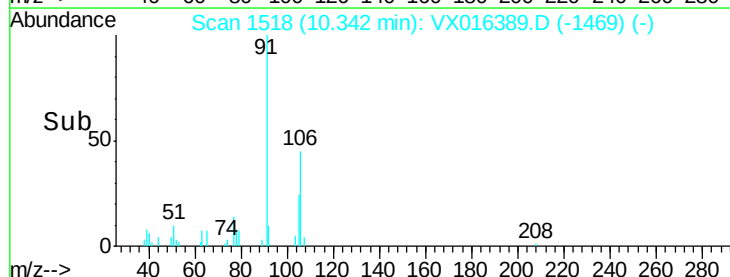
106 100

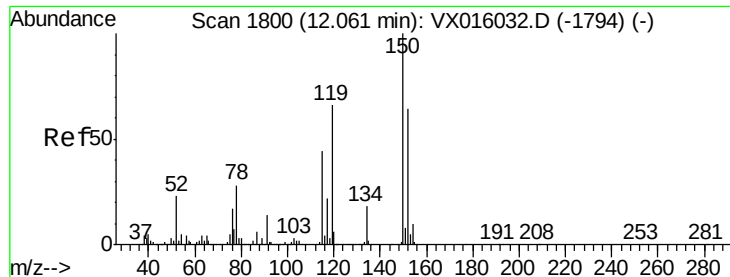
91 208.5 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

Instrument :

MSVOA_X

ClientSampled :

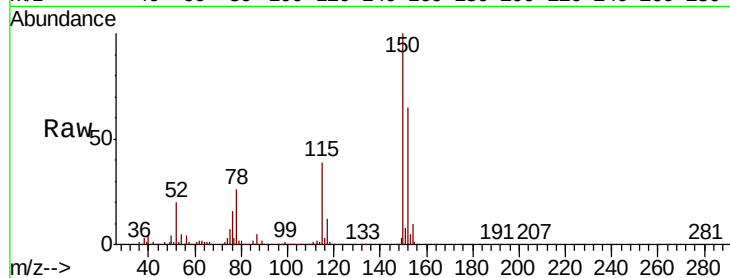
Tot Ion:152 Resp: 195296

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

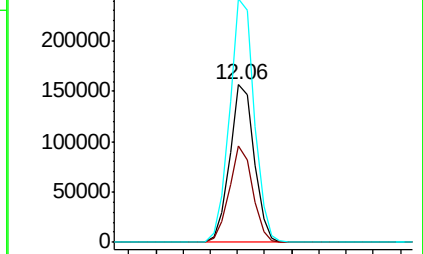
150 155.6 0.0 352.2



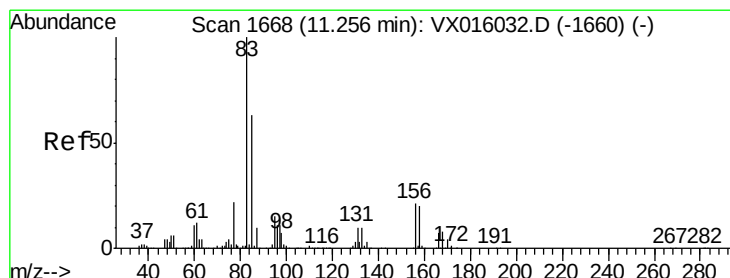
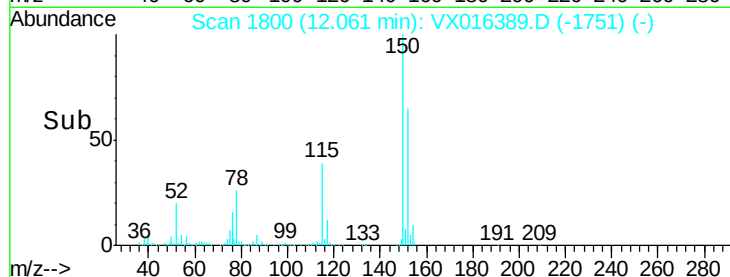
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 2.095 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

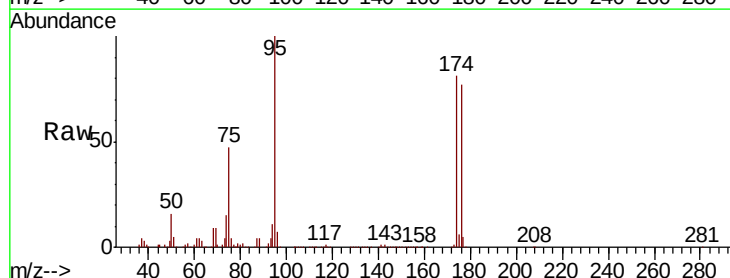
Tgt Ion: 83 Resp: 122

Ion Ratio Lower Upper

83 100

131 186.9 5.1 15.4#

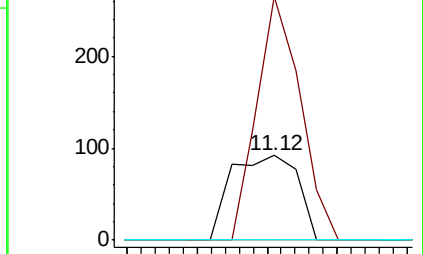
85 0.0 32.0 96.0#



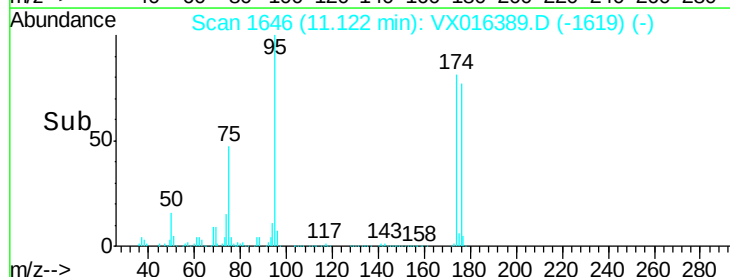
Abundance Ion 82.90 (82.60 to 83.60): VX0

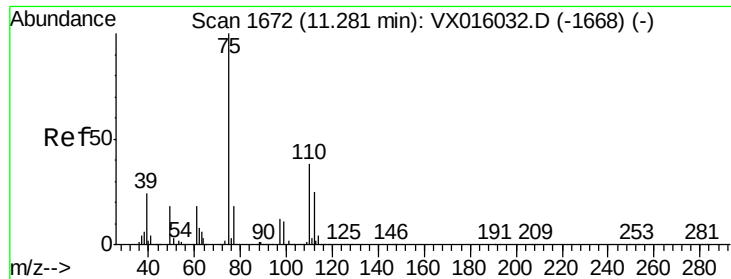
Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time-->





#76

1,2,3-Trichloropropane

Concen: 20.197 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

Instrument :

MSVOA_X

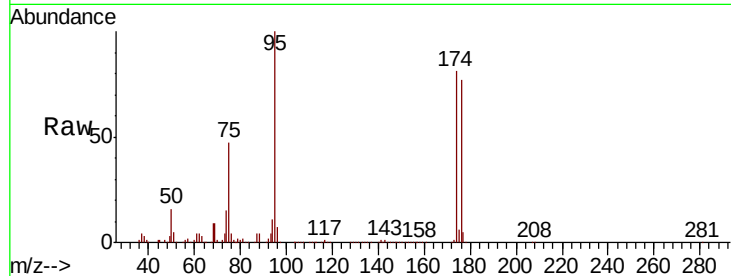
ClientSampled :

Tot Ion: 75 Resp: 89507

Ion Ratio Lower Upper

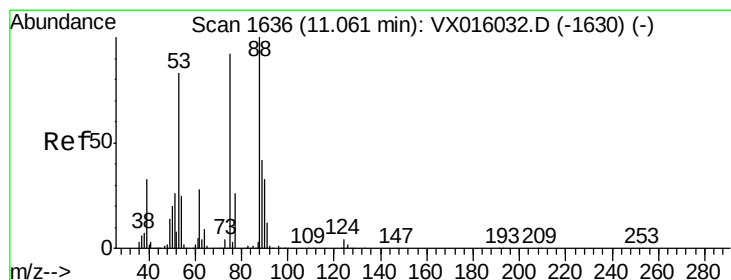
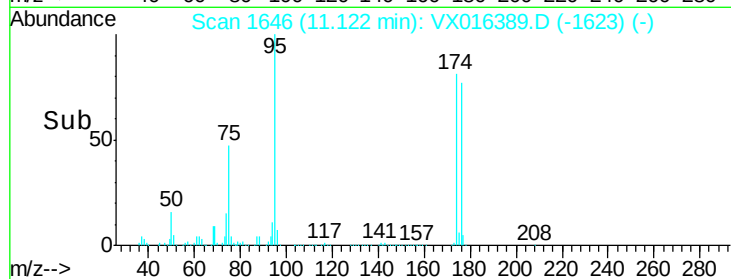
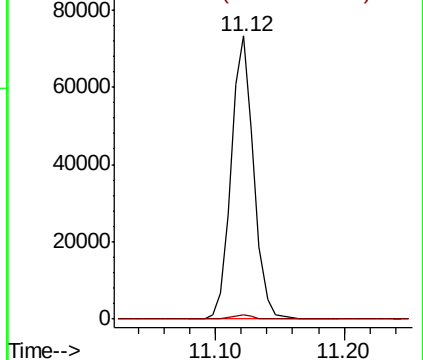
75 100

77 1.5 21.2 63.6#



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: 48.131 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016389.D

Acq: 21 May 2020 17:19

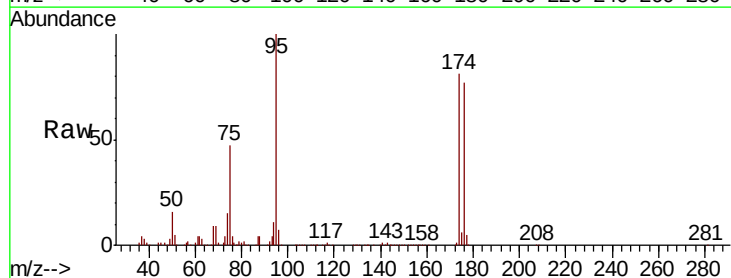
Tgt Ion: 75 Resp: 89507

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#



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

