

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010636.D
 Acq On : 03 Jul 2019 13:41
 Operator : JC/SP
 Sample : K3667-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190702

Quant Time: Jul 04 03:35:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	347607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158691	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	123824	53.31	ug/l	0.00
Spiked Amount			Recovery	=	106.62%	
35) Dibromofluoromethane	5.50	113	116777	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	8.71	98	452777	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	11.13	95	152882	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

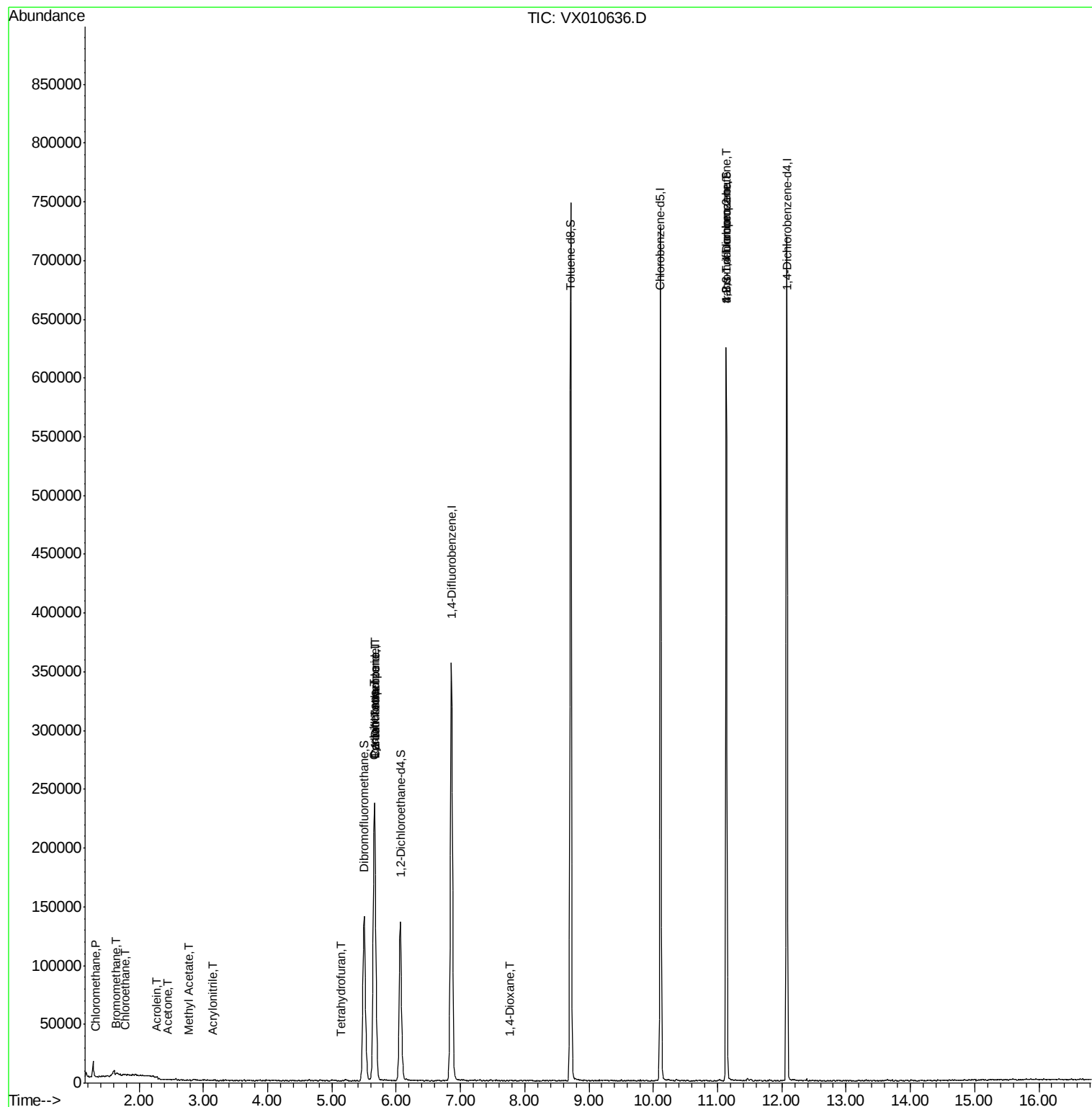
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	491	0.245	ug/l #	6
5) Bromomethane	1.65	94	742	0.693	ug/l	92
6) Chloroethane	1.79	64	438	0.338	ug/l #	41
13) Acrolein	2.28	56	430	1.067	ug/l #	53
15) Acrylonitrile	3.15	53	260	0.216	ug/l #	57
16) Acetone	2.44	43	584	0.502	ug/l #	39
18) Methyl Acetate	2.78	43	599	0.258	ug/l #	70
29) Tetrahydrofuran	5.14	42	299	0.283	ug/l #	38
31) Cyclohexane	5.65	56	4650	1.386	ug/l #	11
36) 1,1-Dichloropropene	5.67	75	16126	5.296	ug/l #	48
38) Carbon Tetrachloride	5.67	117	22742	6.897	ug/l #	15
49) 1,4-Dioxane	7.77	88	46	0.663	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74361	25.715	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74361	59.990	ug/l #	16

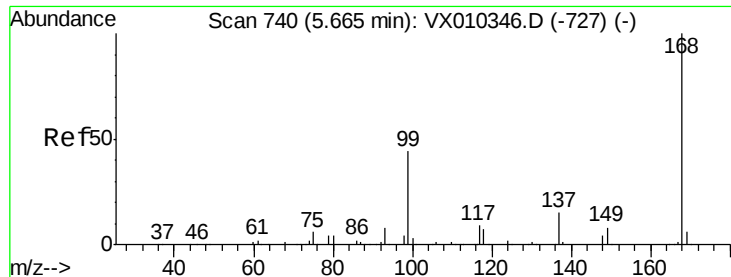
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

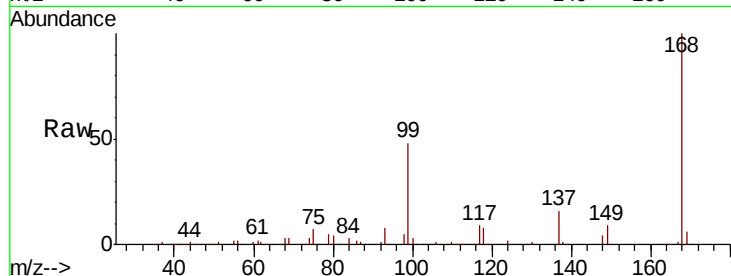
TB-01-190702

Tot Ion:168 Resp: 247713

Ion Ratio Lower Upper

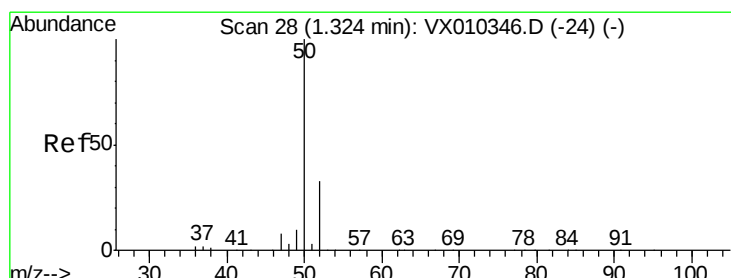
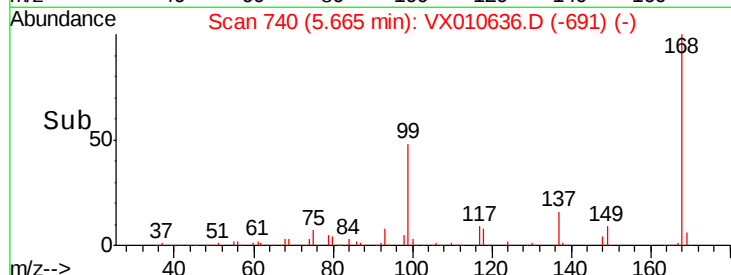
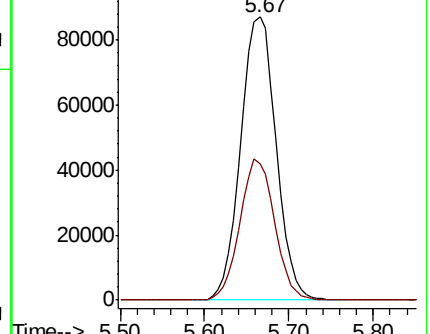
168 100

99 47.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.245 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010636.D

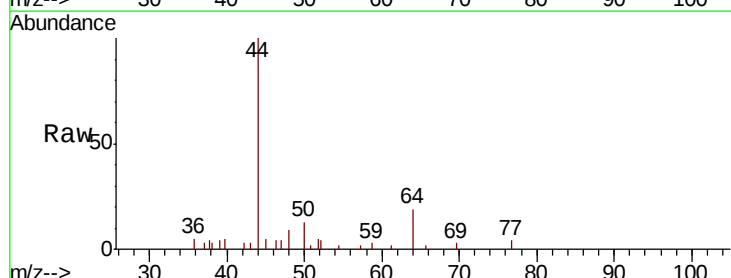
Acq: 03 Jul 2019 13:41

Tgt Ion: 50 Resp: 491

Ion Ratio Lower Upper

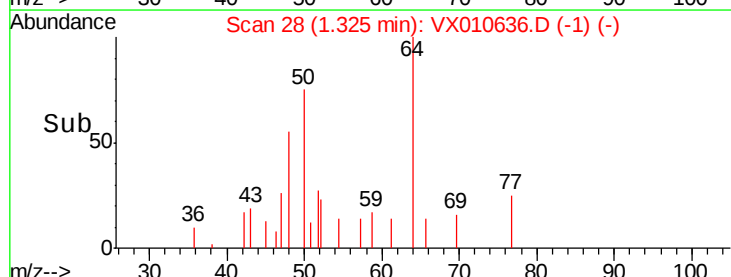
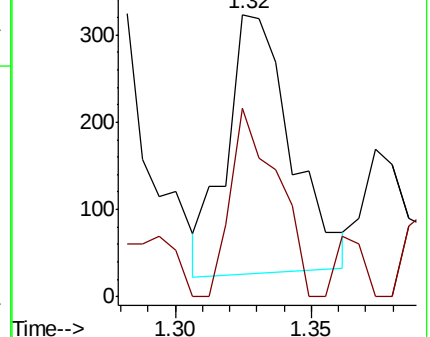
50 100

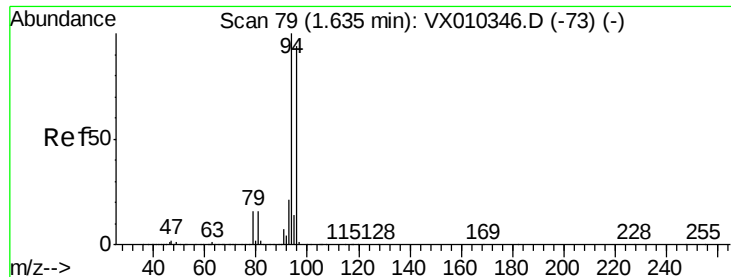
52 86.1 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.693 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

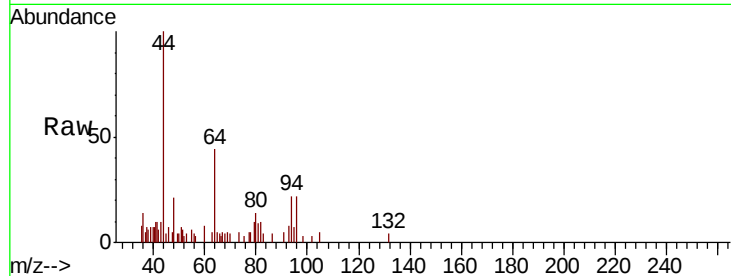
TB-01-190702

Tot Ion: 94 Resp: 742

Ion Ratio Lower Upper

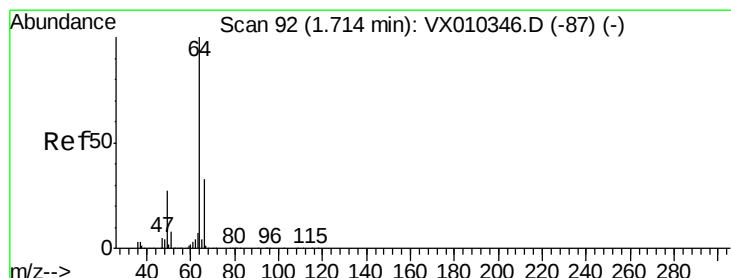
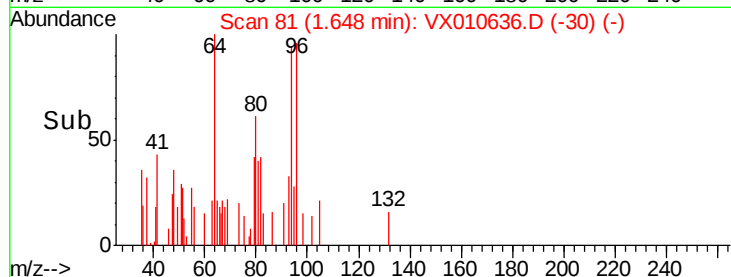
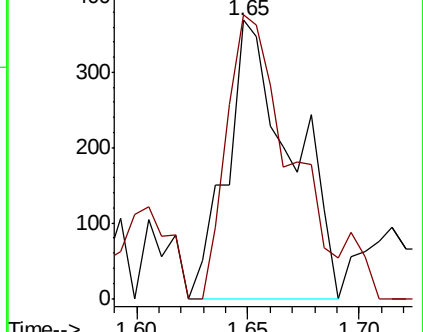
94 100

96 101.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.338 ug/l

RT: 1.79 min Scan# 104

Delta R.T. 0.07 min

Lab File: VX010636.D

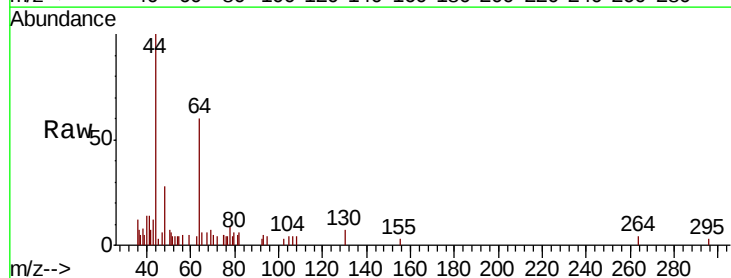
Acq: 03 Jul 2019 13:41

Tgt Ion: 64 Resp: 438

Ion Ratio Lower Upper

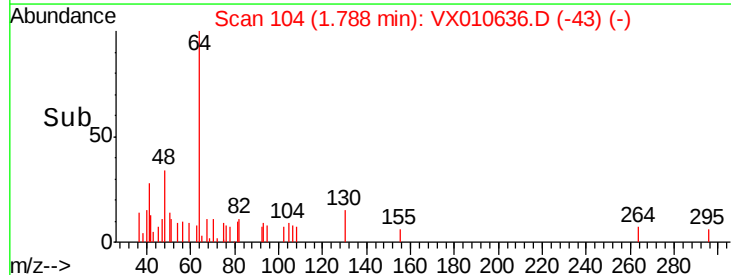
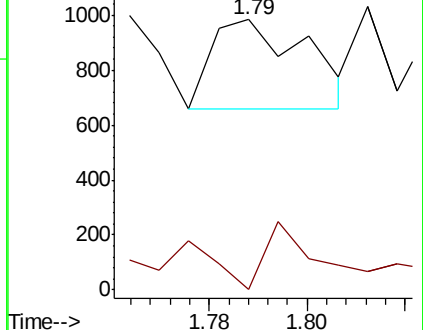
64 100

66 0.0 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#13

Acrolein

Concen: 1.067 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

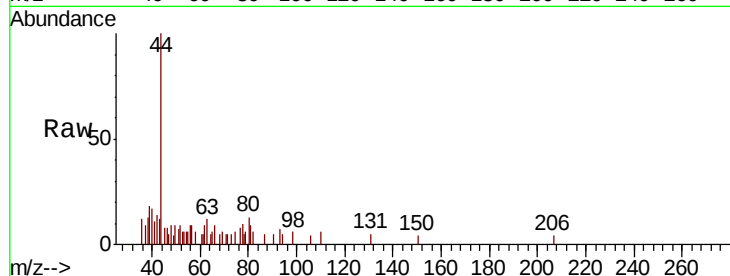
TB-01-190702

Tot Ion: 56 Resp: 430

Ion Ratio Lower Upper

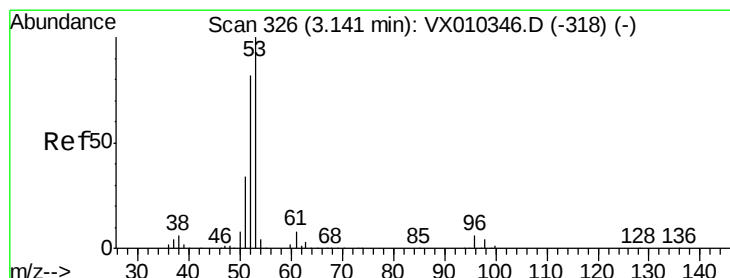
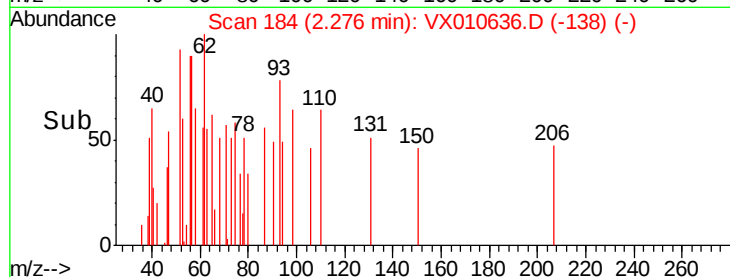
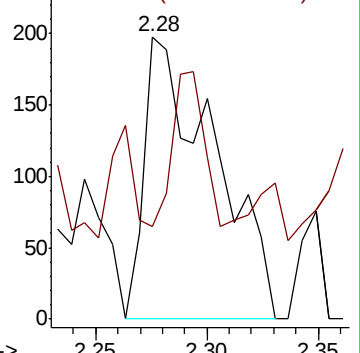
56 100

55 32.6 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.216 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

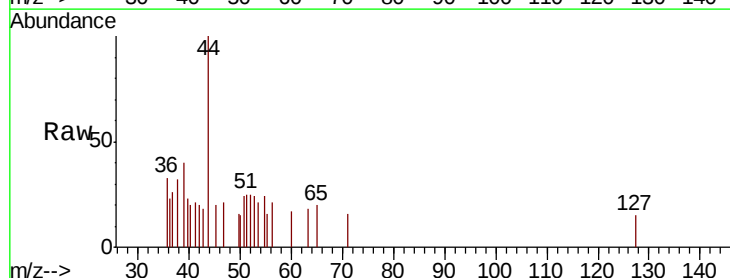
Tgt Ion: 53 Resp: 260

Ion Ratio Lower Upper

53 100

52 66.5 65.5 98.3

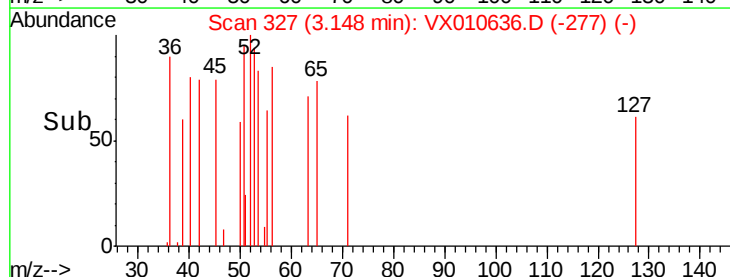
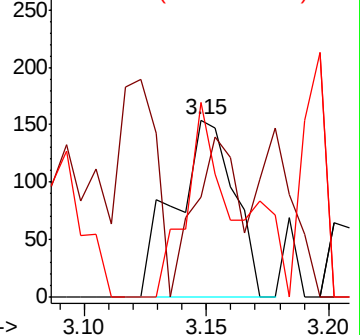
51 96.2 28.2 42.4#

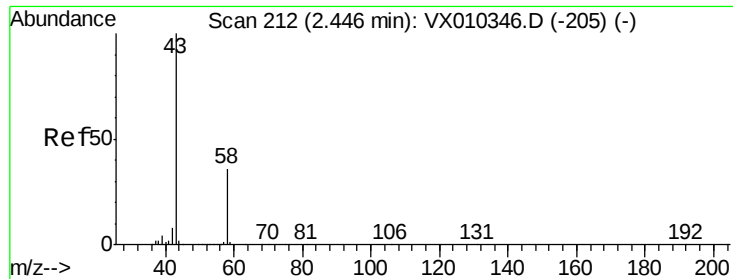


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.502 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

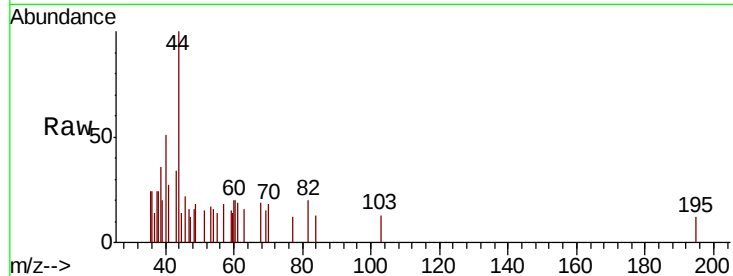
TB-01-190702

Tot Ion: 43 Resp: 584

Ion Ratio Lower Upper

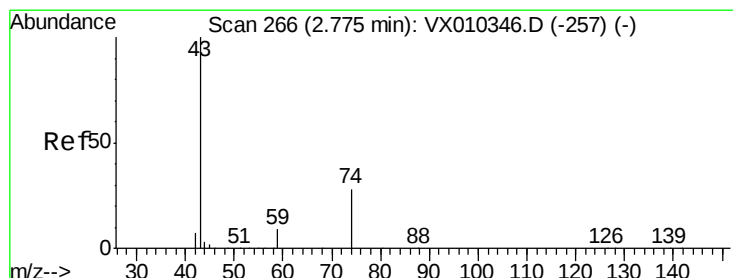
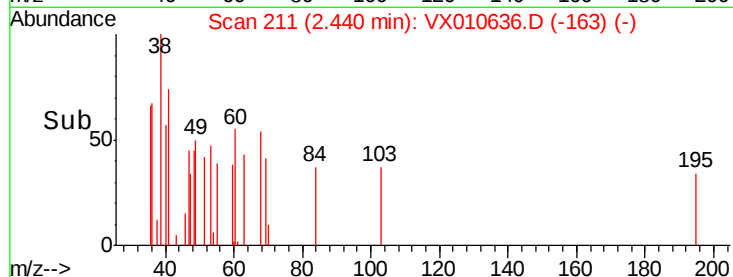
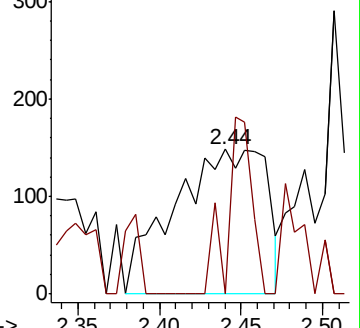
43 100

58 0.0 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.258 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010636.D

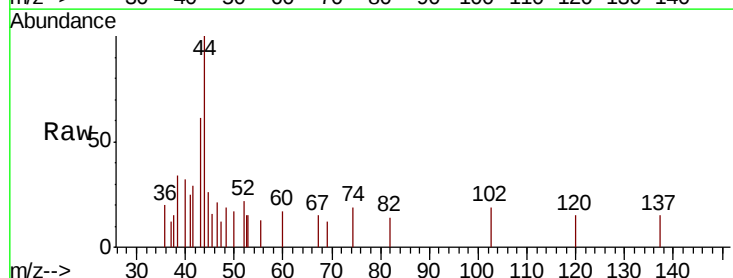
Acq: 03 Jul 2019 13:41

Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

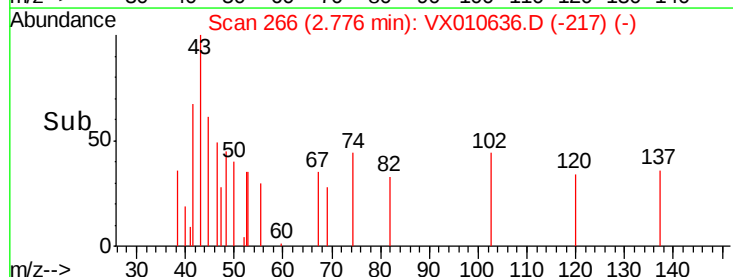
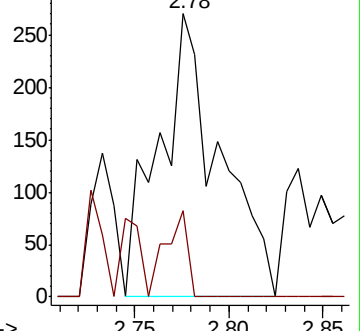
43 100

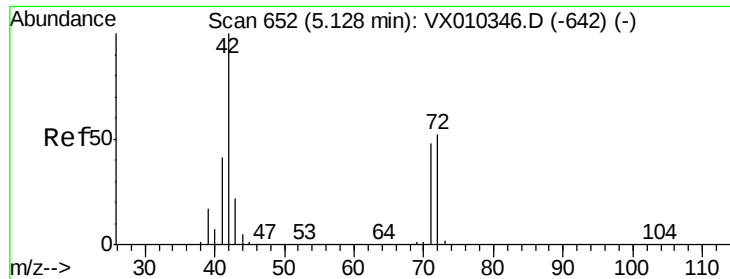
74 11.2 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

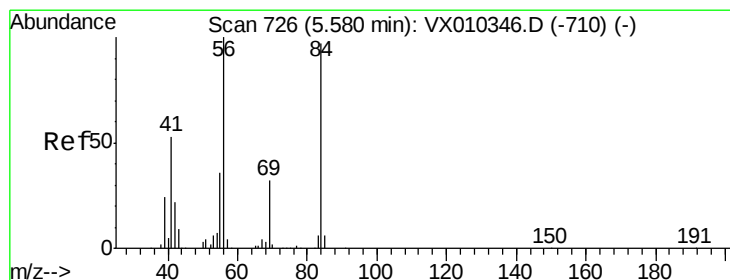
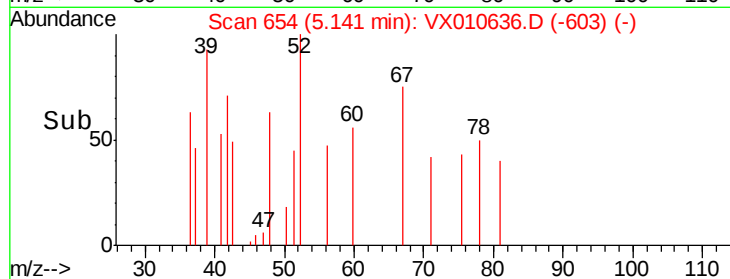
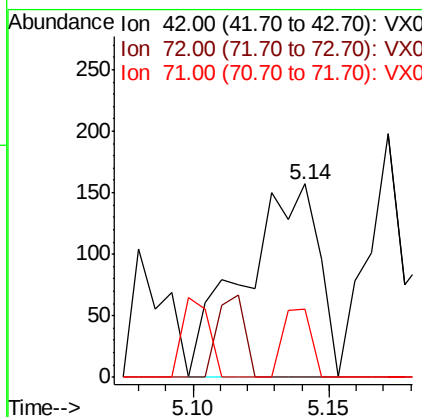
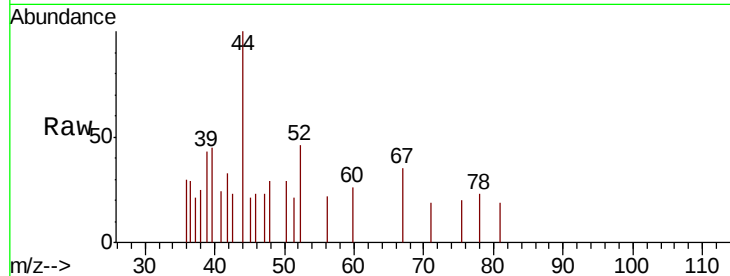




#29
Tetrahydrofuran
Concen: 0.283 ug/l
RT: 5.14 min Scan# 654
Delta R.T. 0.01 min
Lab File: VX010636.D
Acq: 03 Jul 2019 13:41

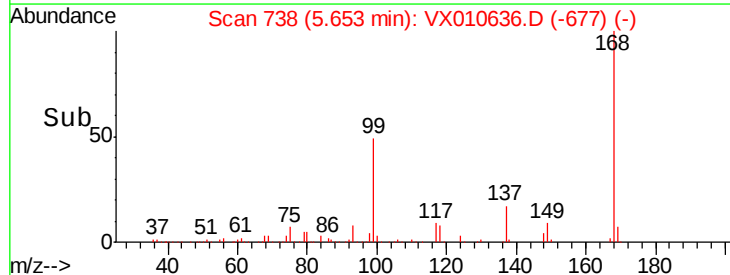
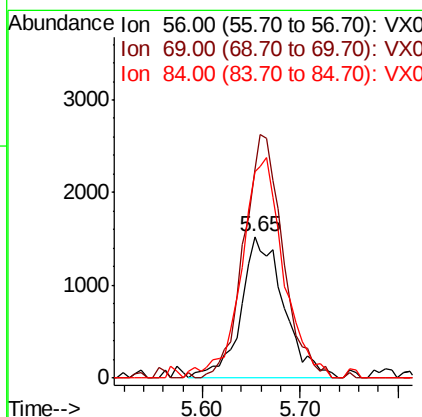
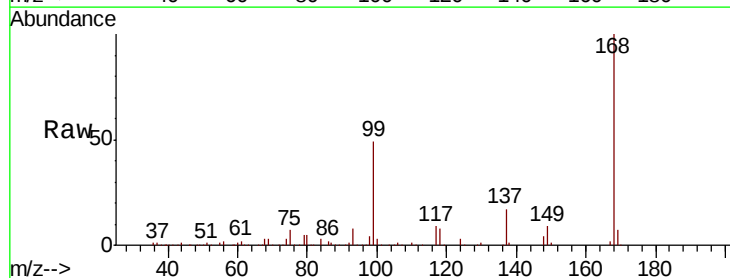
Instrument :
MSVOA_X
ClientSampleId :
TB-01-190702

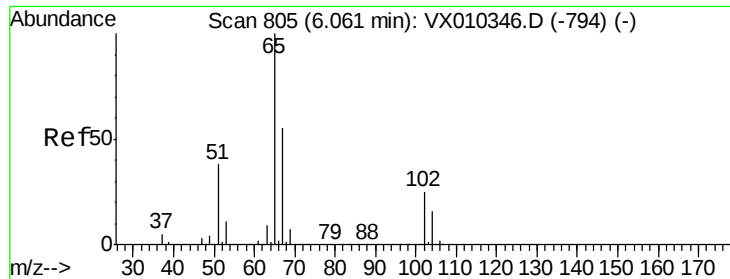
Tot Ion: 42 Resp: 299
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 13.4 37.8 56.8#



#31
Cyclohexane
Concen: 1.386 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX010636.D
Acq: 03 Jul 2019 13:41

Tgt Ion: 56 Resp: 4650
Ion Ratio Lower Upper
56 100
69 148.2 25.9 38.9#
84 146.3 78.0 117.0#





#33

1,2-Dichloroethane-d4

Concen: 53.314 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

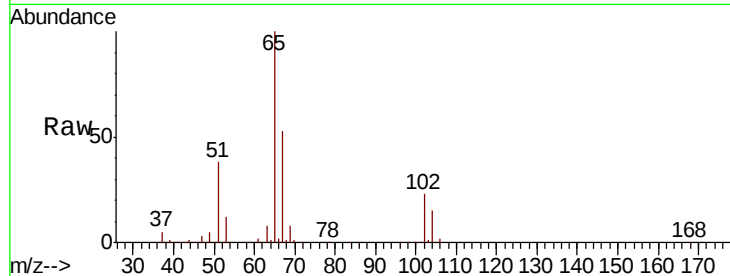
TB-01-190702

Tot Ion: 65 Resp: 123824

Ion Ratio Lower Upper

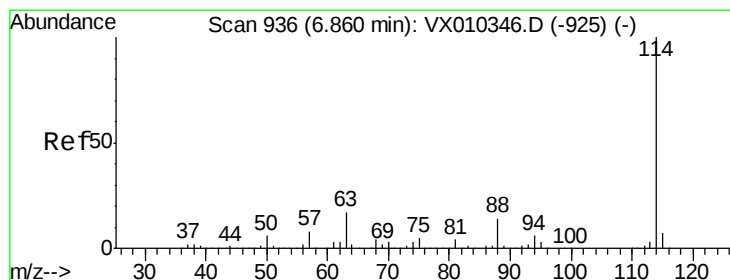
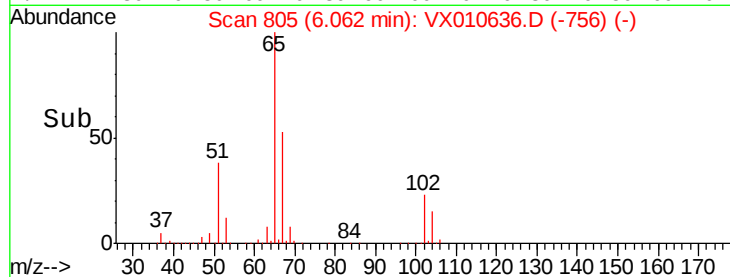
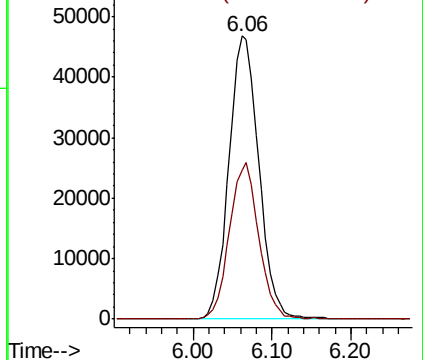
65 100

67 54.0 0.0 110.2



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: VX010636.D

Acq: 03 Jul 2019 13:41

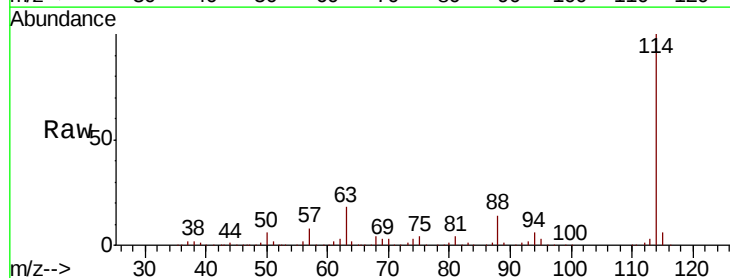
Tgt Ion: 114 Resp: 383175

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

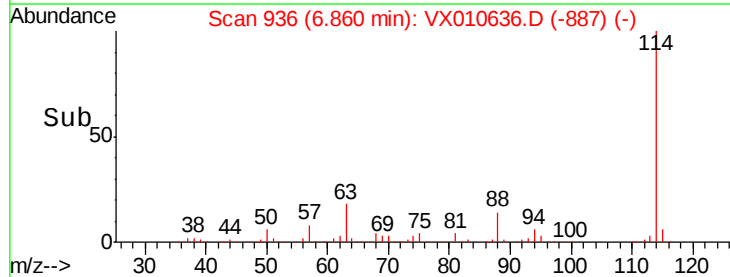
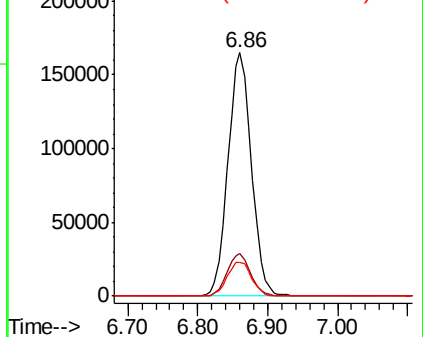
88 14.0 0.0 27.6

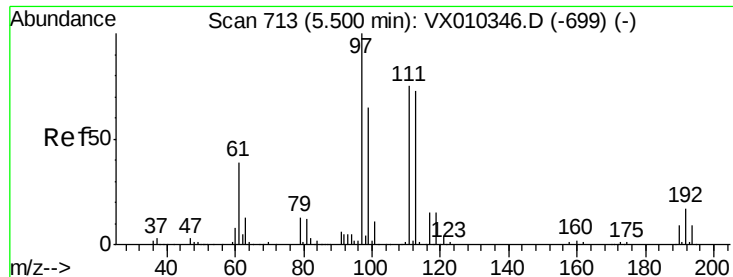


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

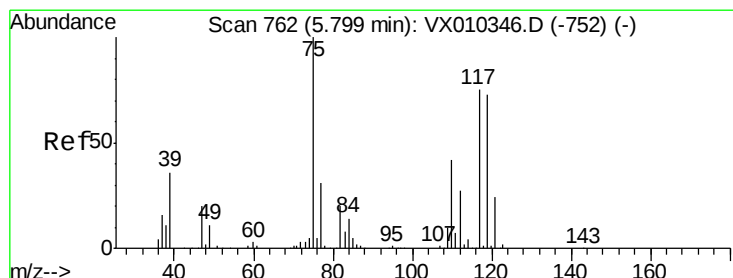
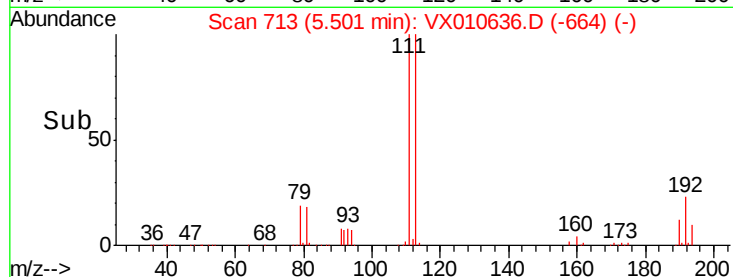
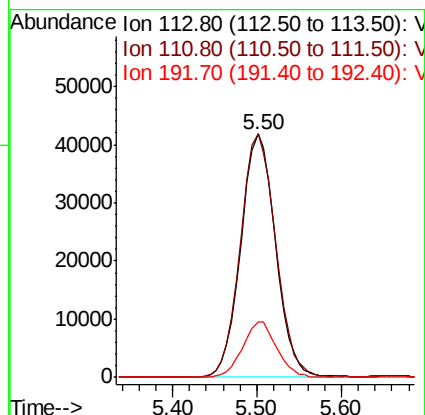
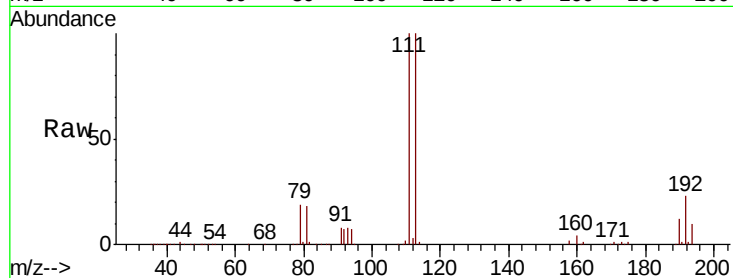




#35
 Dibromofluoromethane
 Concen: 49.811 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010636.D
 Acq: 03 Jul 2019 13:41

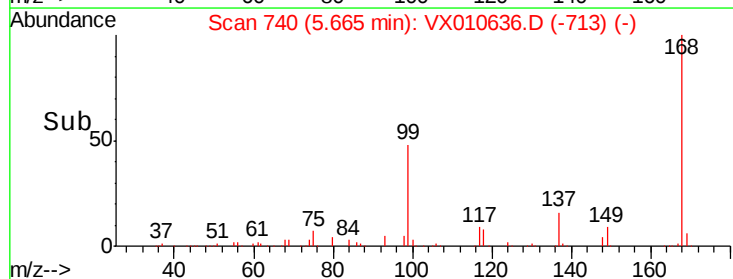
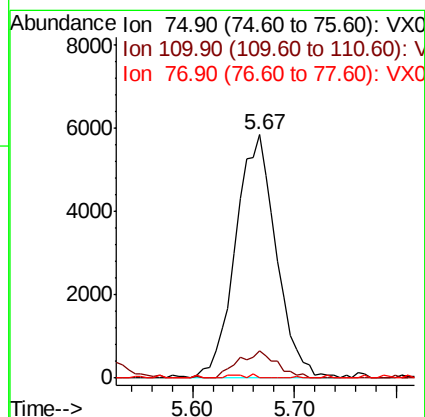
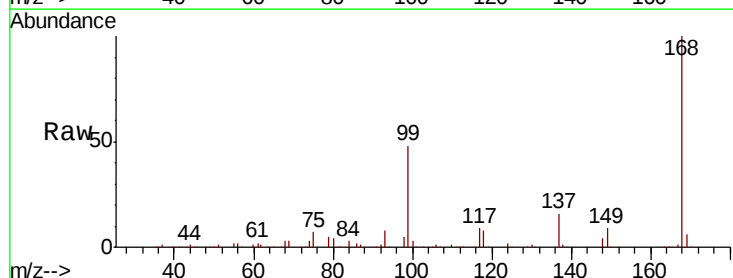
Instrument :
 MSVOA_X
 ClientSampled :
 TB-01-190702

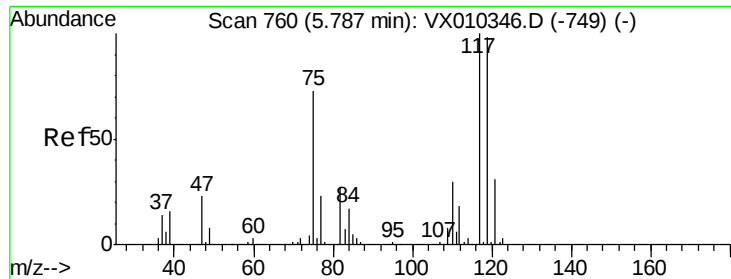
Tot Ion:113 Resp: 116777
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.2 121.8
 192 22.4 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.296 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010636.D
 Acq: 03 Jul 2019 13:41

Tgt Ion: 75 Resp: 16126
 Ion Ratio Lower Upper
 75 100
 110 10.4 20.8 62.2#
 77 0.5 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.897 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

TB-01-190702

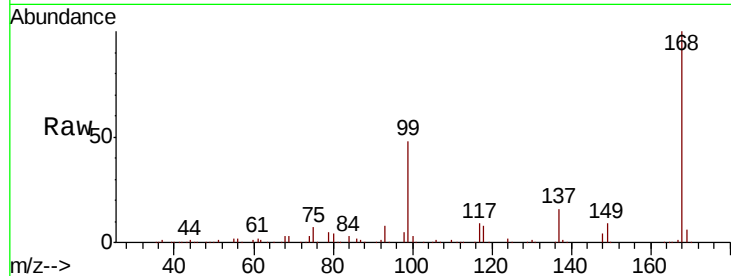
Tot Ion:117 Resp: 22742

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.4#

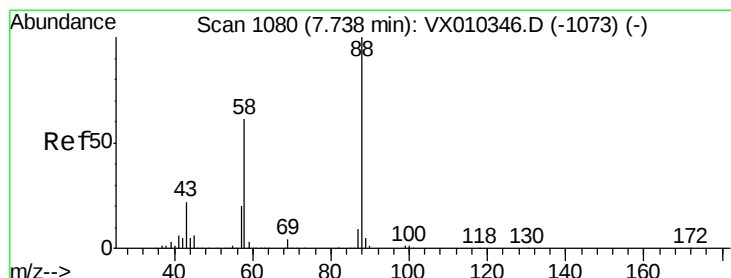
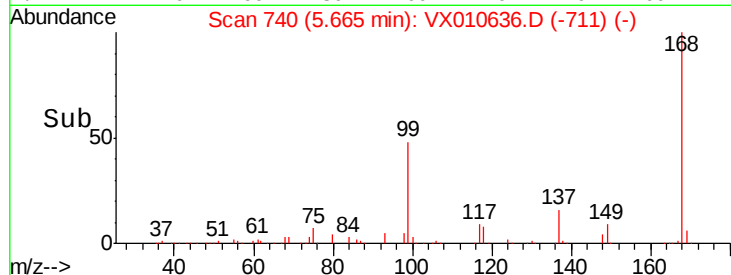
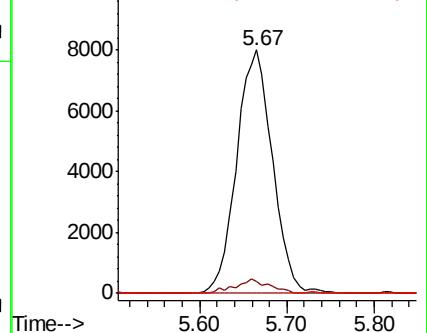
121 0.0 24.7 37.1#



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: 0.663 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

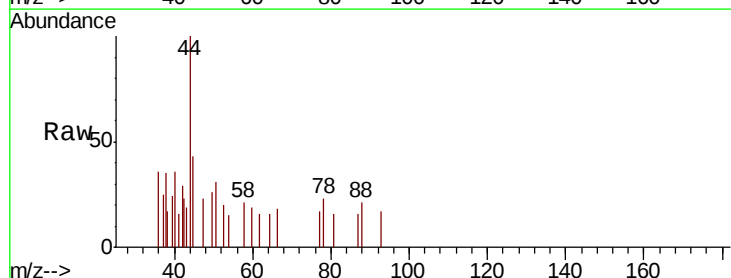
Tgt Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 308.7 20.2 30.2#

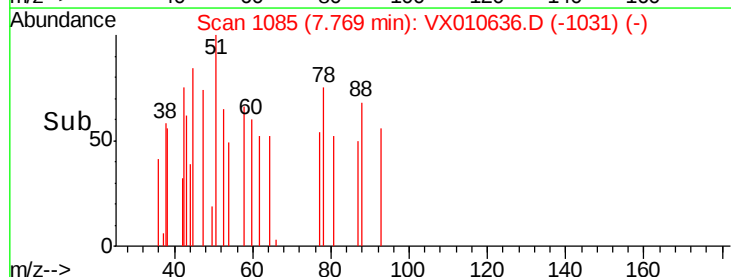
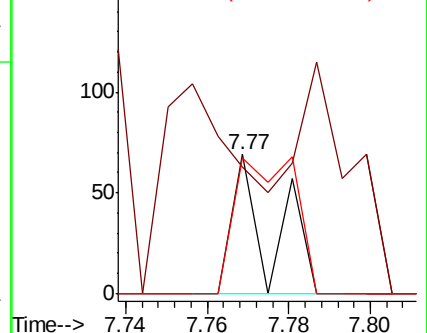
58 0.0 49.5 74.3#

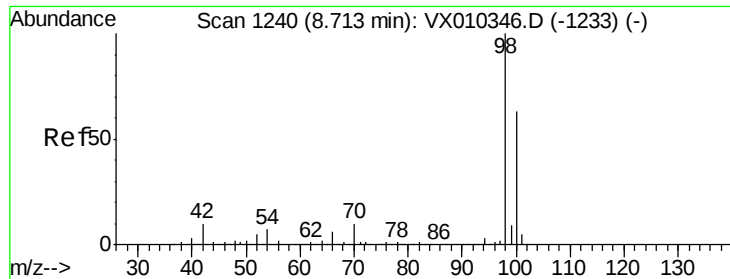


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.481 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

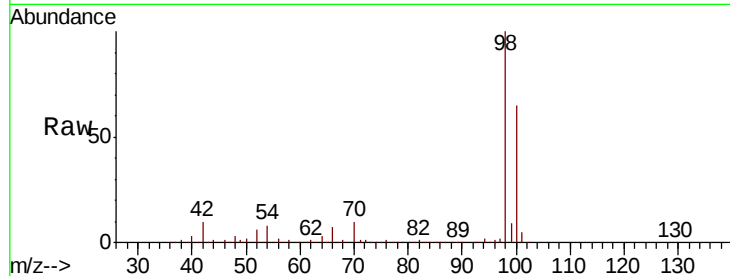
TB-01-190702

Tot Ion: 98 Resp: 452777

Ion Ratio Lower Upper

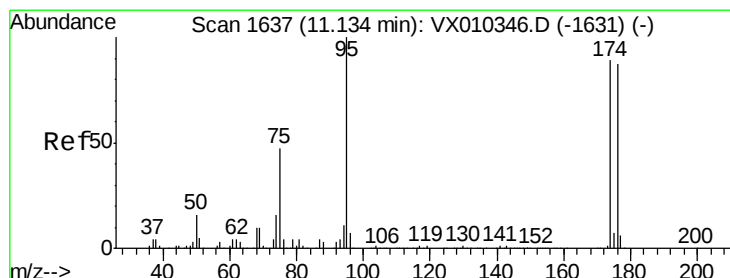
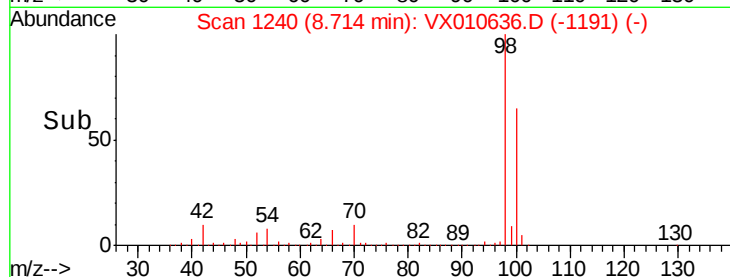
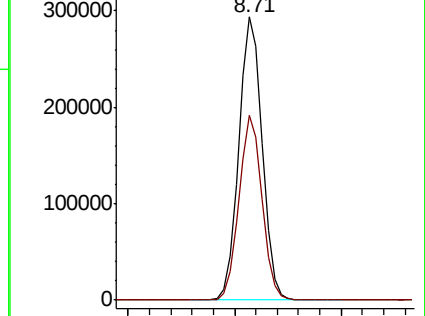
98 100

100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.213 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

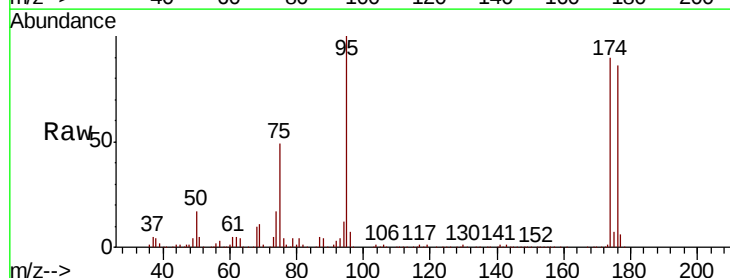
Tgt Ion: 95 Resp: 152882

Ion Ratio Lower Upper

95 100

174 93.2 0.0 187.6

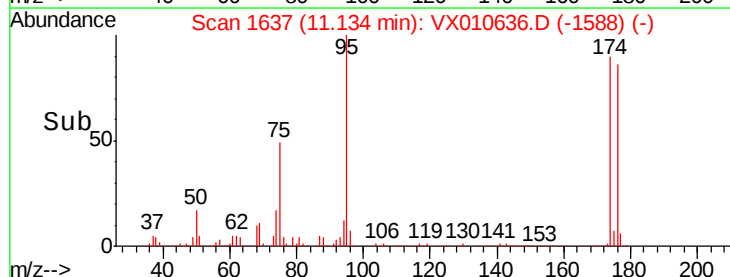
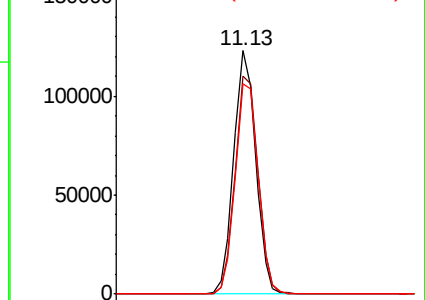
176 90.2 0.0 184.0

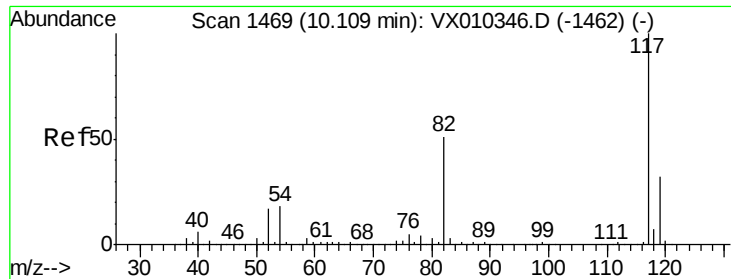


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

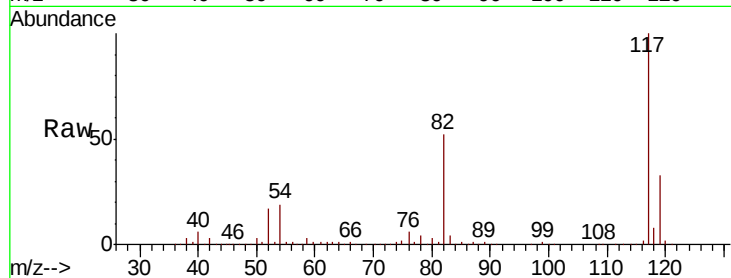




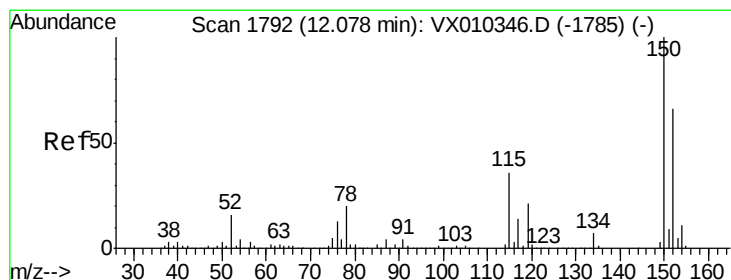
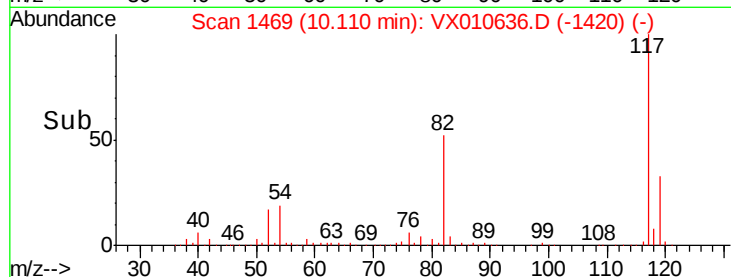
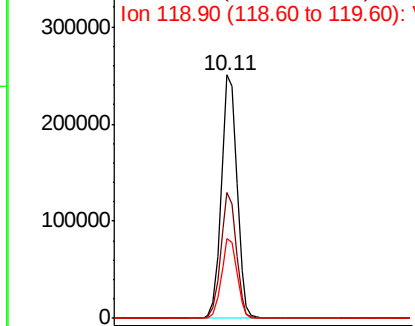
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010636.D
Acq: 03 Jul 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :
TB-01-190702

Tot Ion:117 Resp: 347607
Ion Ratio Lower Upper
117 100
82 51.8 41.2 61.8
119 32.6 25.5 38.3

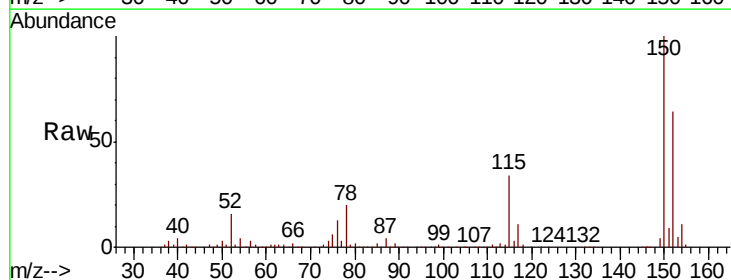


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

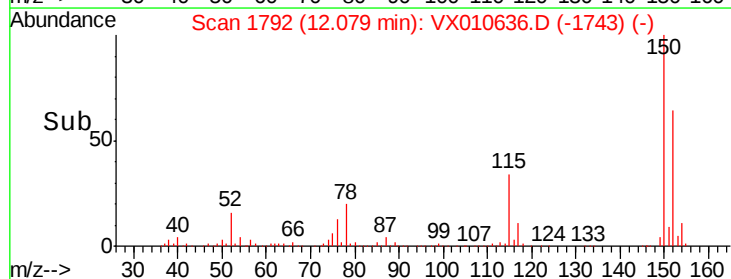
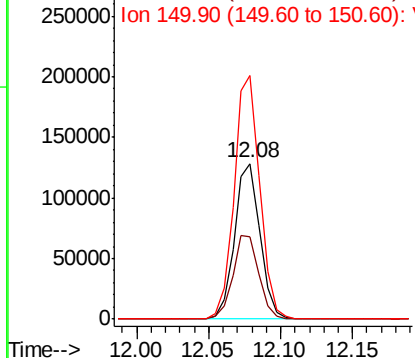


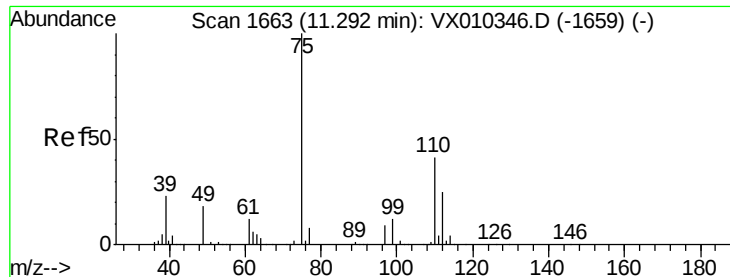
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010636.D
Acq: 03 Jul 2019 13:41

Tgt Ion:152 Resp: 158691
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 157.5 0.0 347.4



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: 25.715 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

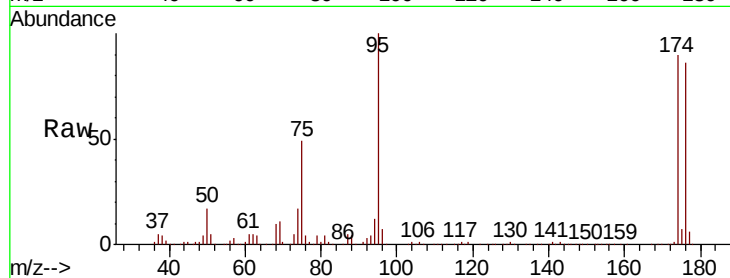
TB-01-190702

Tot Ion: 75 Resp: 74361

Ion Ratio Lower Upper

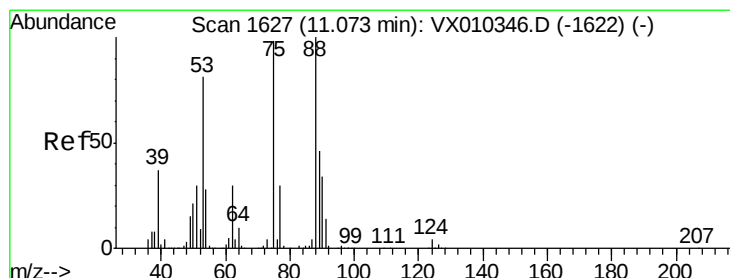
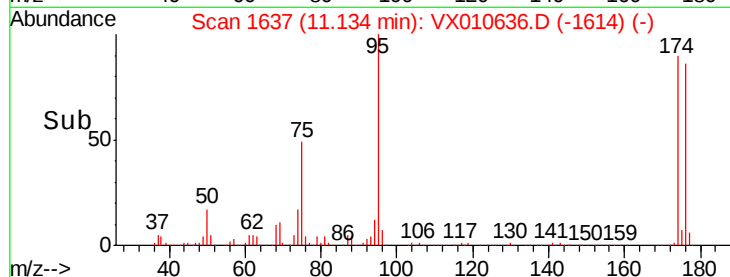
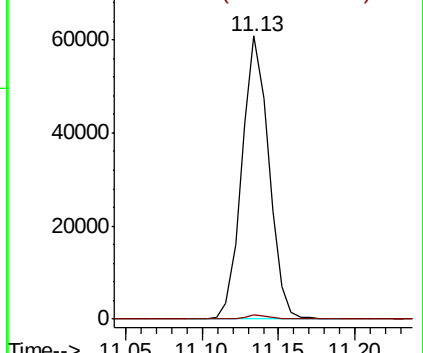
75 100

77 1.4 22.6 67.8#



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: 59.990 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010636.D

Acq: 03 Jul 2019 13:41

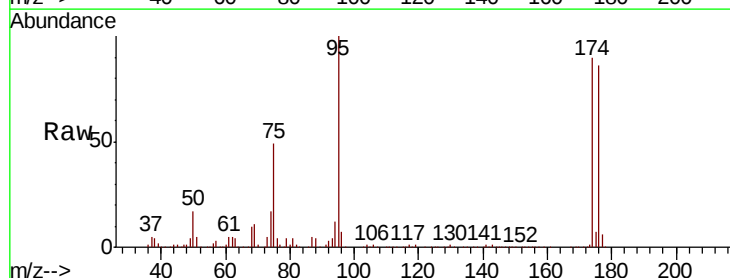
Tgt Ion: 75 Resp: 74361

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.1 37.8 56.6#



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

