

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012849.D
 Acq On : 07 Oct 2019 19:30
 Operator : JC/SP
 Sample : K5190-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FC-MW09I-20191002

Quant Time: Oct 08 11:13:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307885	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	264373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	105920	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	120814	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.49	113	92026	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	8.71	98	361760	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.14	95	122309	44.05	ug/l	0.00
Spiked Amount			Recovery	=	88.10%	

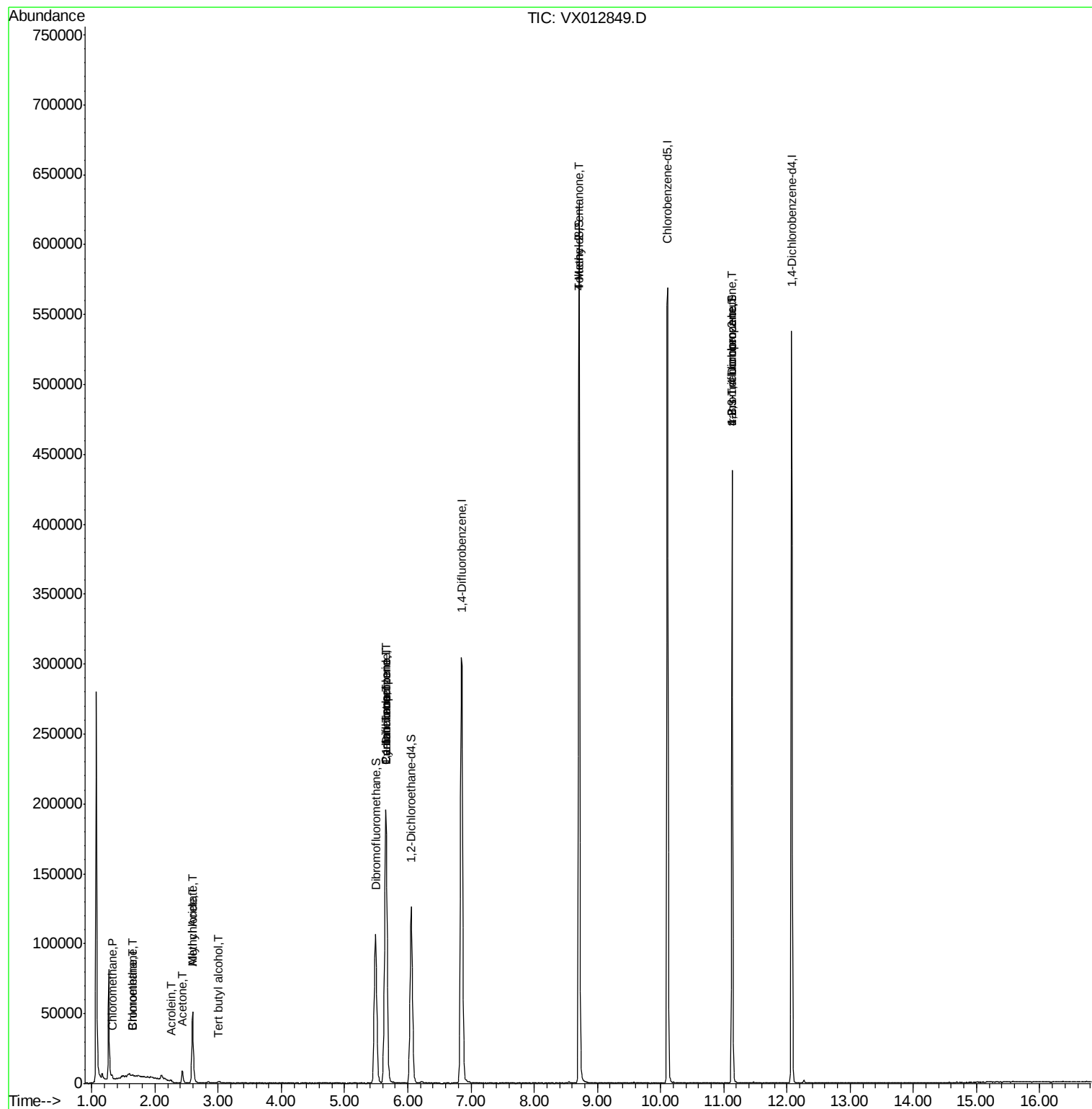
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1367	0.590	ug/l #	85
5) Bromomethane	1.64	94	232	0.256	ug/l #	80
6) Chloroethane	1.65	64	612	0.394	ug/l #	49
11) Tert butyl alcohol	3.01	59	632	0.969	ug/l #	80
13) Acrolein	2.26	56	24	10.296	ug/l #	15
14) Allyl chloride	2.59	41	4851	1.268	ug/l #	64
16) Acetone	2.43	43	8959	6.477	ug/l	98
18) Methyl Acetate	2.59	43	12628	3.877	ug/l #	54
31) Cyclohexane	5.65	56	4056	1.116	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14715	4.958	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19298	6.401	ug/l #	16
51) 4-Methyl-2-Pentanone	8.71	43	1463	0.408	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63375	22.619	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63375	64.821	ug/l #	8

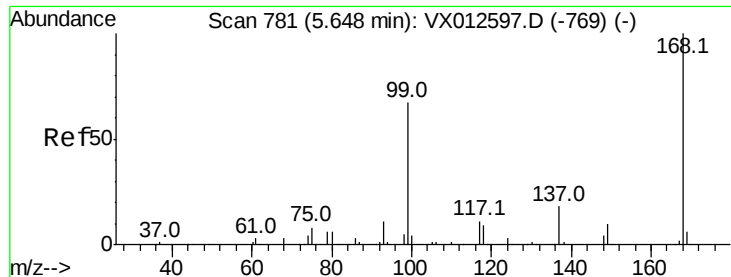
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

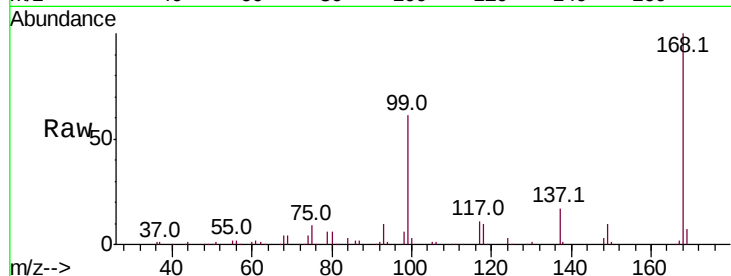
FC-MW09I-20191002

Tot Ion:168 Resp: 179325

Ion Ratio Lower Upper

168 100

99 61.4 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

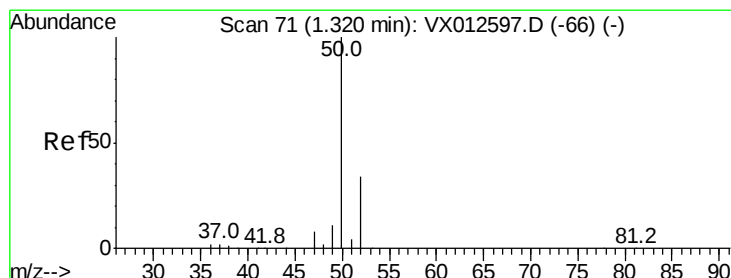
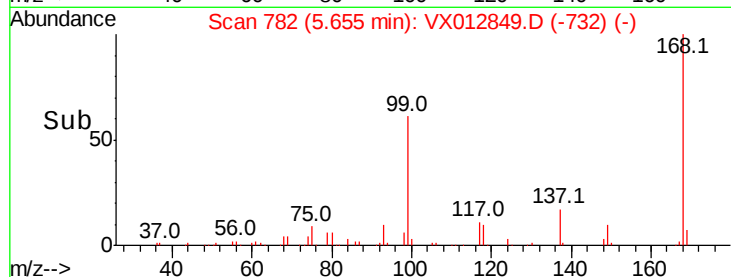
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.590 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012849.D

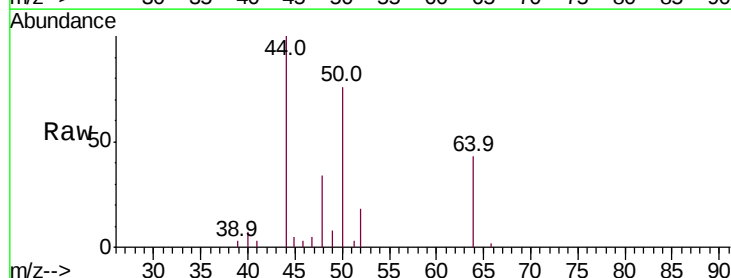
Acq: 07 Oct 2019 19:30

Tgt Ion: 50 Resp: 1367

Ion Ratio Lower Upper

50 100

52 23.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

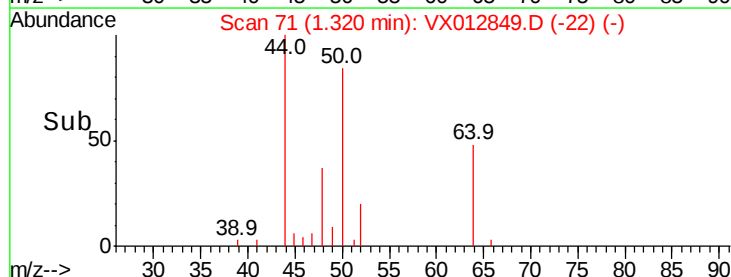
1500

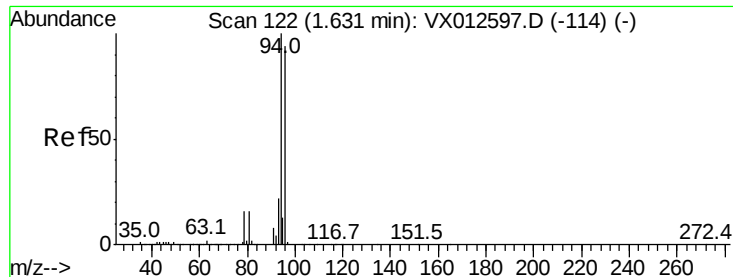
1000

500

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

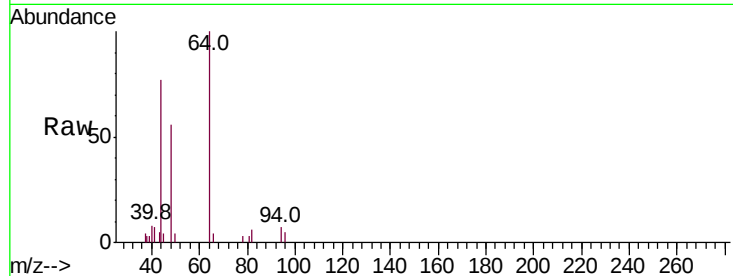
FC-MW09I-20191002

Tot Ion: 94 Resp: 232

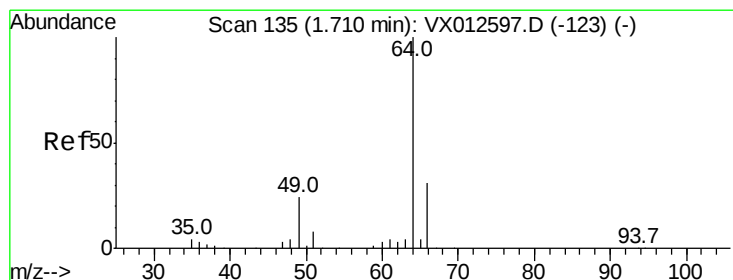
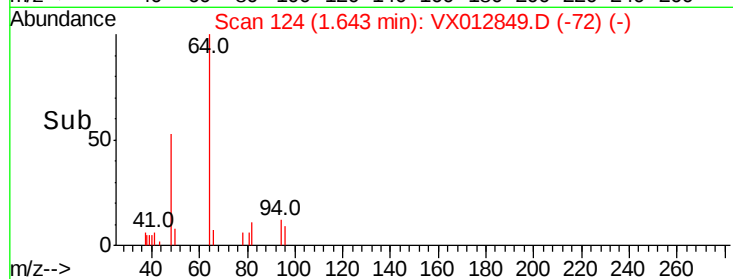
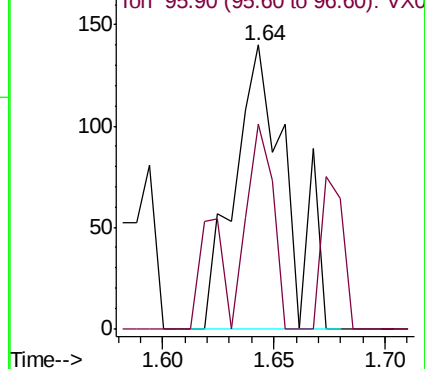
Ion Ratio Lower Upper

94 100

96 72.1 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.394 ug/l

RT: 1.65 min Scan# 125

Delta R.T. -0.06 min

Lab File: VX012849.D

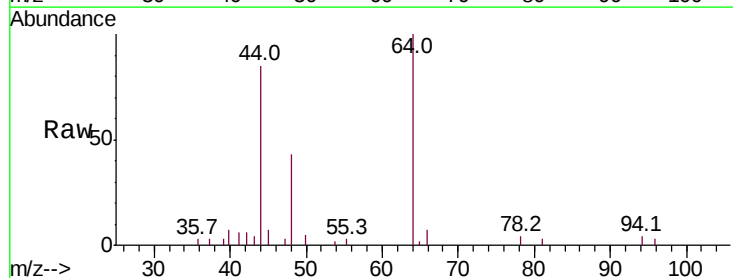
Acq: 07 Oct 2019 19:30

Tgt Ion: 64 Resp: 612

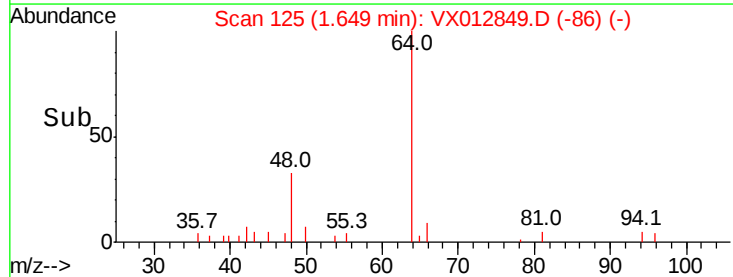
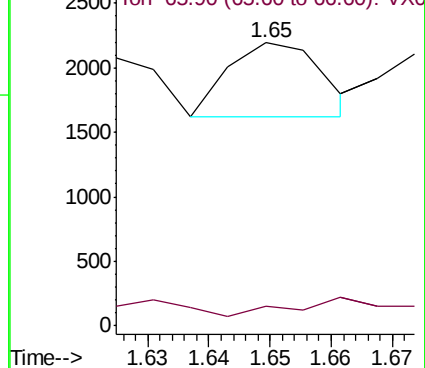
Ion Ratio Lower Upper

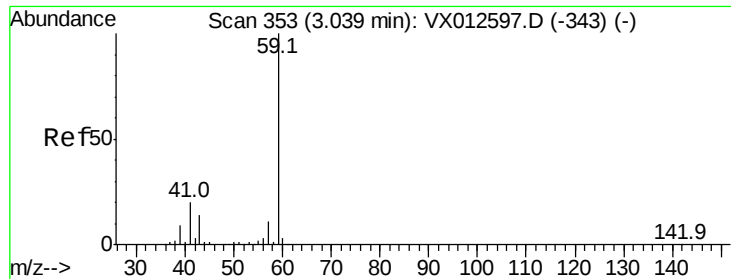
64 100

66 2.6 24.0 36.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

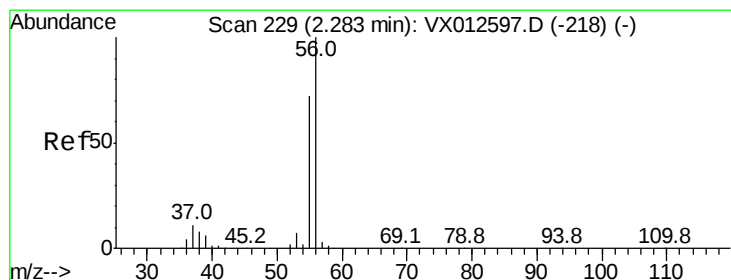
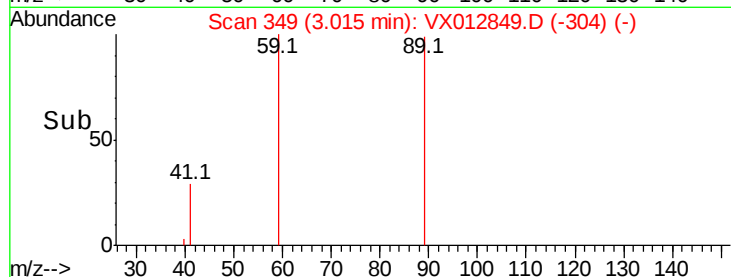
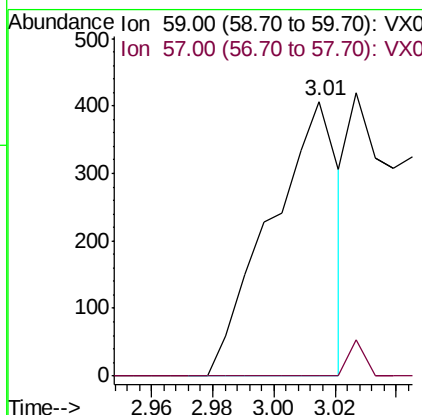
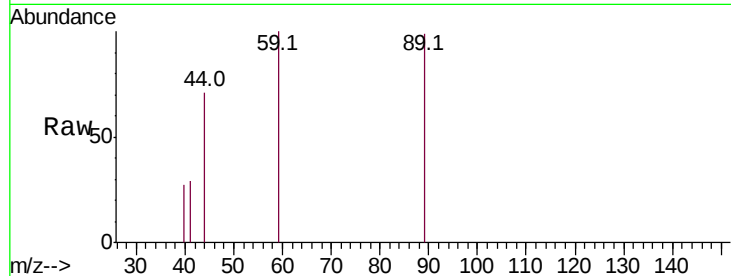




#11
Tert butyl alcohol
Concen: 0.969 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

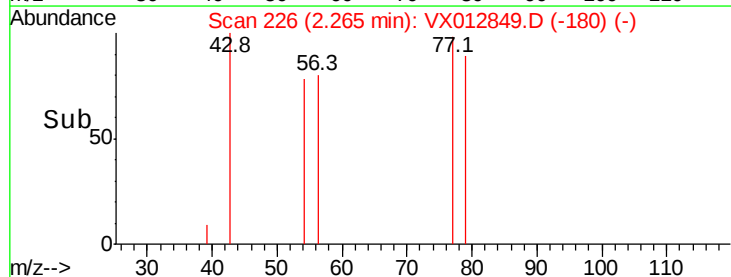
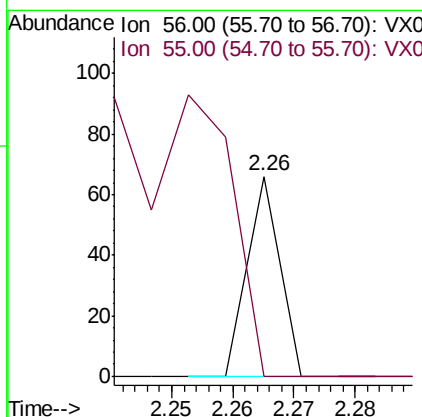
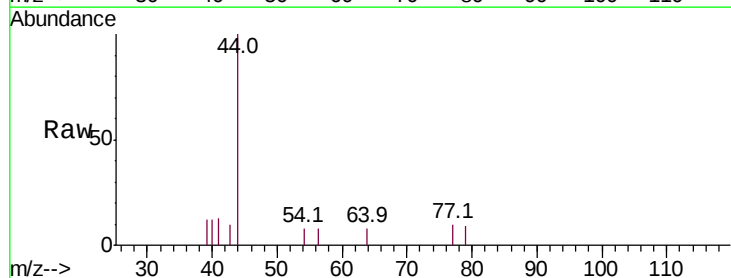
Instrument :
MSVOA_X
ClientSampleId :
FC-MW09I-20191002

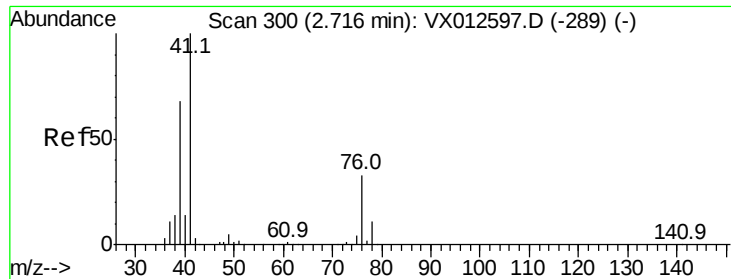
Tot Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 3.0 8.3 12.5#



#13
Acrolein
Concen: 10.296 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#

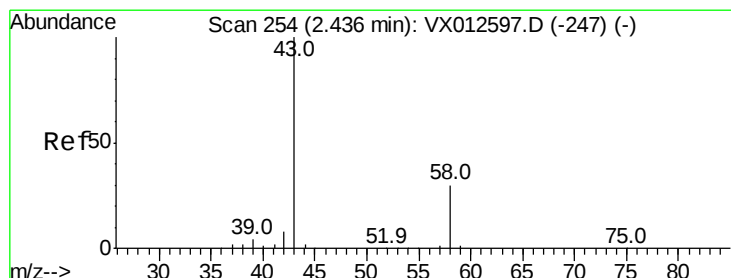
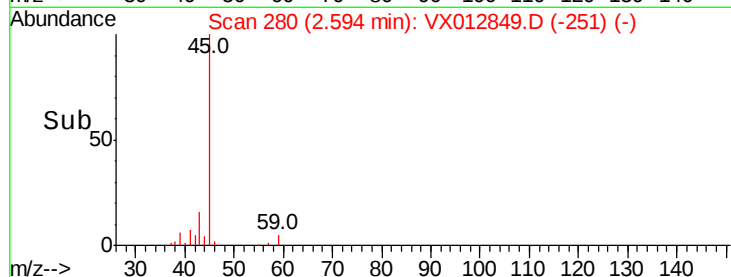
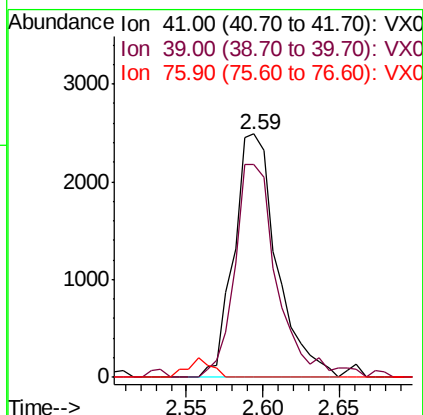
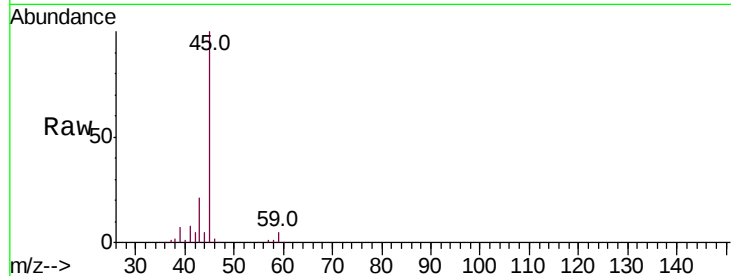




#14
Allvl chloride
Concen: 1.268 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.12 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

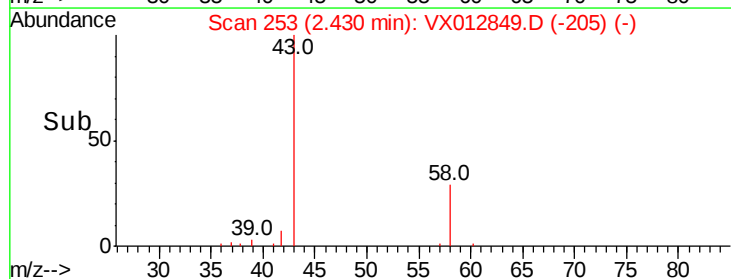
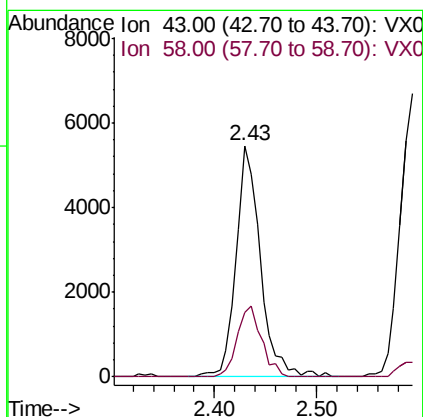
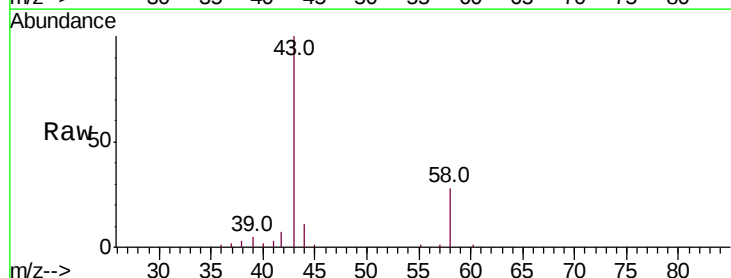
Instrument :
MSVOA_X
ClientSampleId :
FC-MW09I-20191002

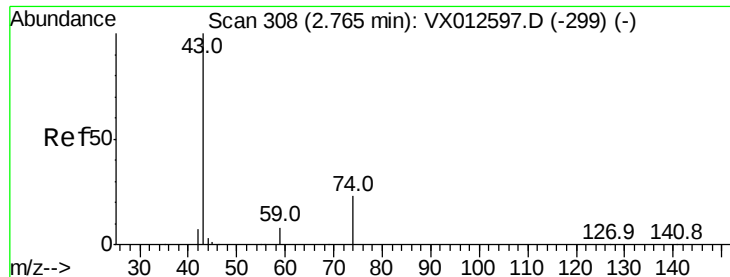
Tot Ion: 41 Resp: 4851
Ion Ratio Lower Upper
41 100
39 86.8 51.3 76.9#
76 0.0 22.6 33.8#



#16
Acetone
Concen: 6.477 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

Tgt Ion: 43 Resp: 8959
Ion Ratio Lower Upper
43 100
58 28.0 23.3 34.9

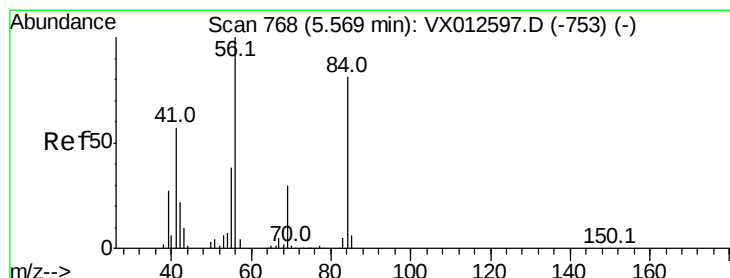
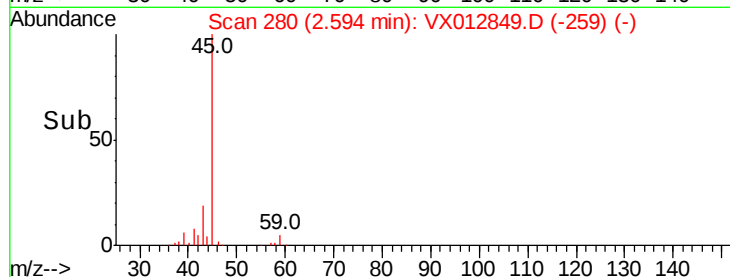
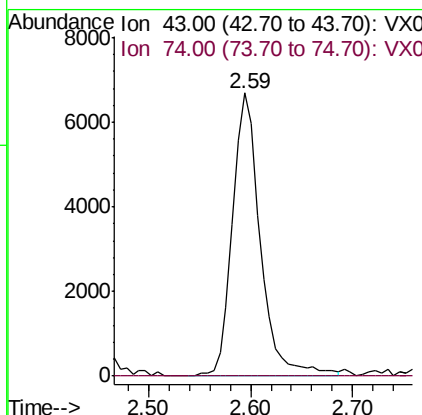
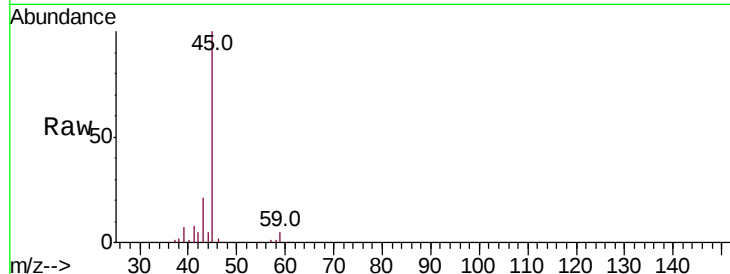




#18
Methvl Acetate
Concen: 3.877 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

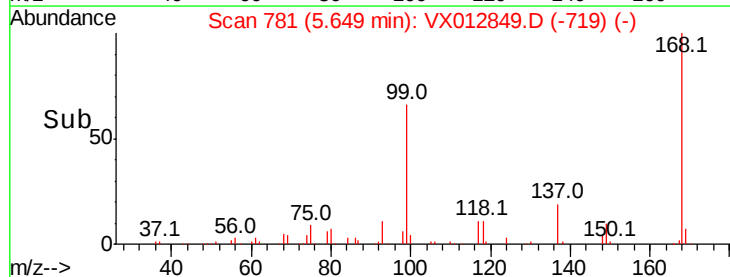
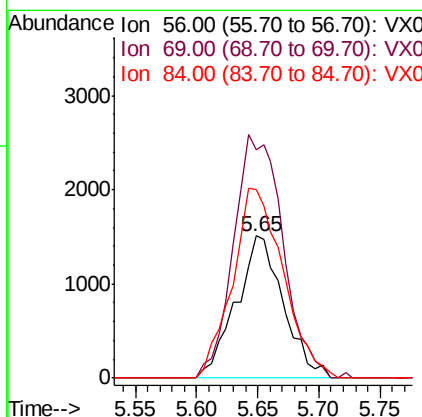
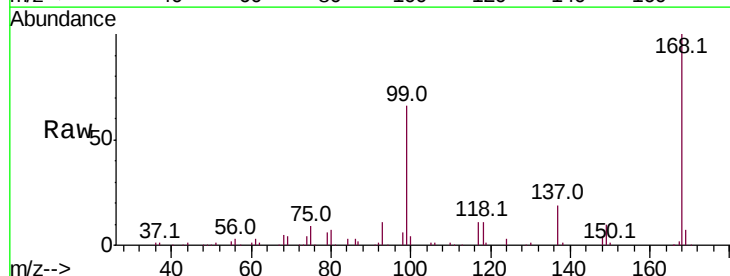
Instrument :
MSVOA_X
ClientSampleId :
FC-MW09I-20191002

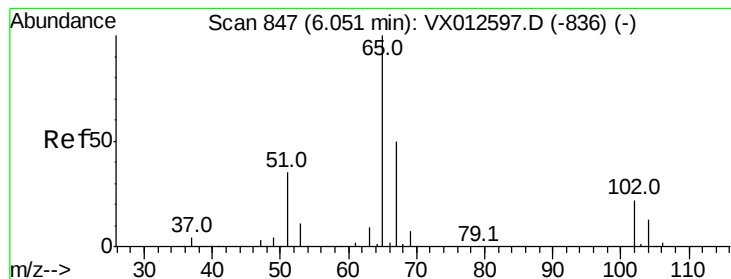
Tot Ion: 43 Resp: 12628
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

Tgt Ion: 56 Resp: 4056
Ion Ratio Lower Upper
56 100
69 160.6 25.0 37.6#
84 132.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 46.266 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

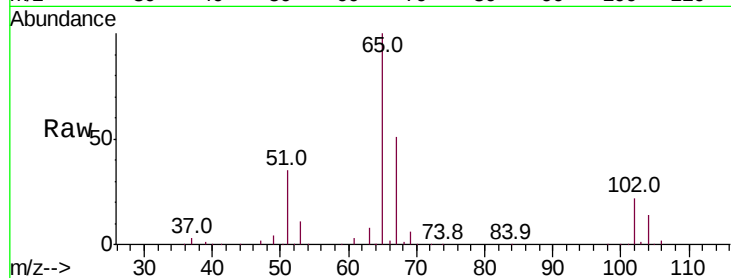
FC-MW09I-20191002

Tot Ion: 65 Resp: 120814

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

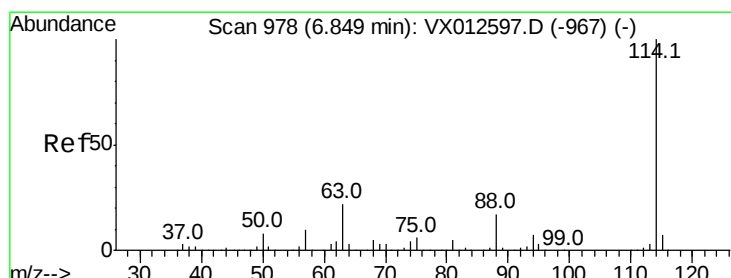
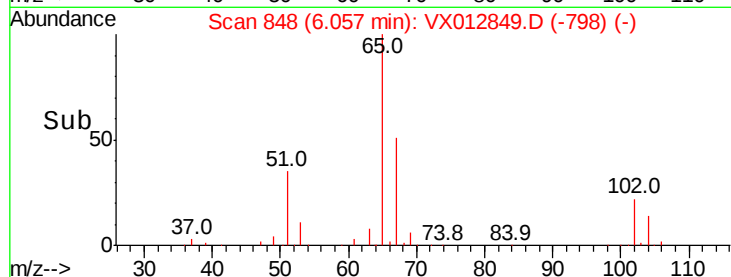
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

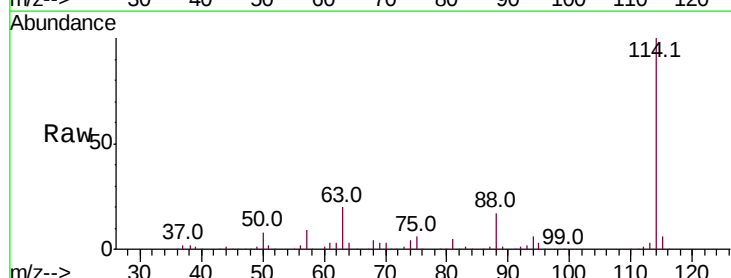
Tgt Ion: 114 Resp: 307885

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

88 16.9 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

6.86

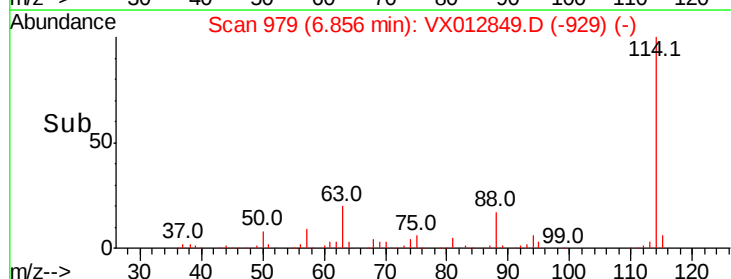
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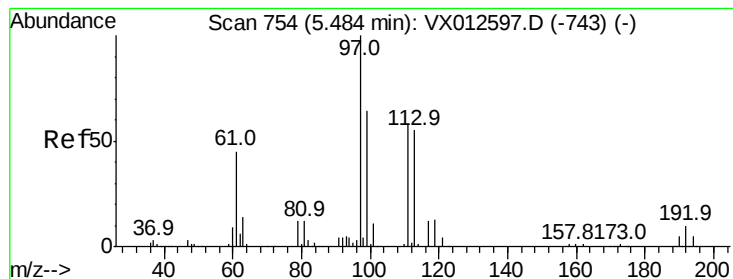
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.189 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

Instrument :

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ClientSampleId :

FC-MW09I-20191002

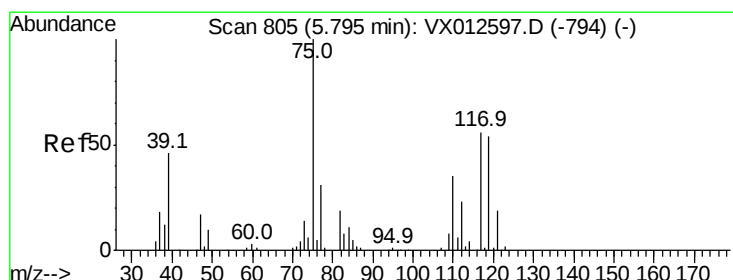
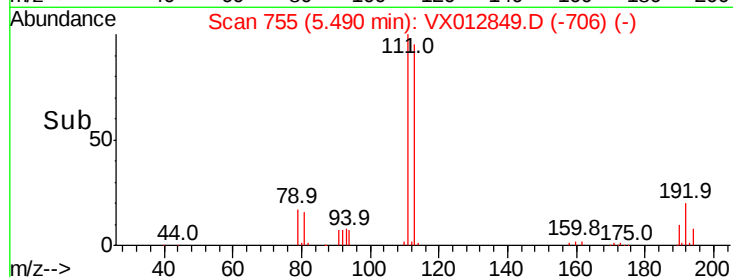
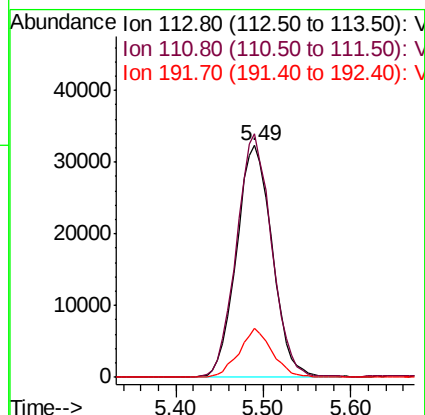
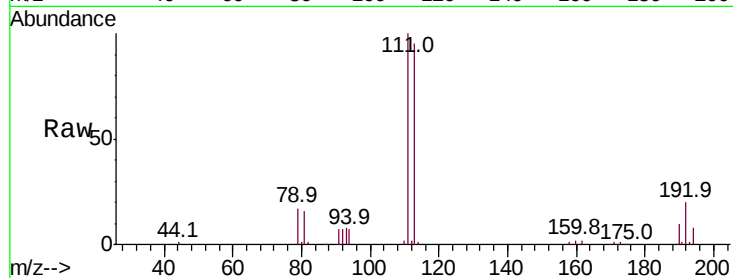
Tot Ion:113 Resp: 92026

Ion Ratio Lower Upper

113 100

111 103.5 83.4 125.2

192 19.4 14.4 21.6



#36

1,1-Dichloropropene

Concen: 4.958 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

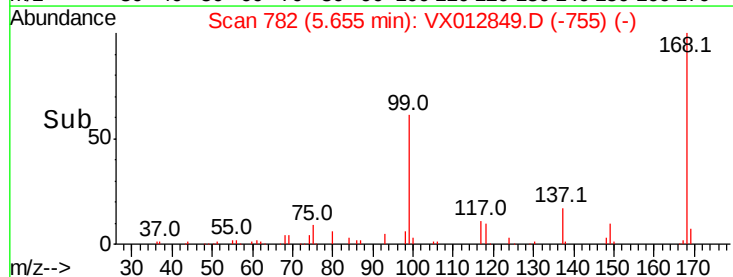
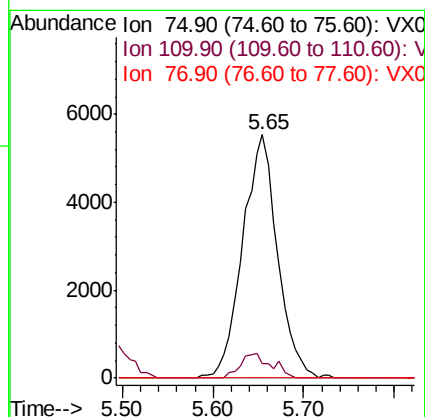
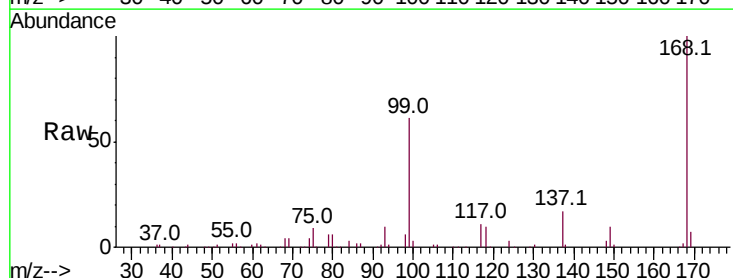
Tgt Ion: 75 Resp: 14715

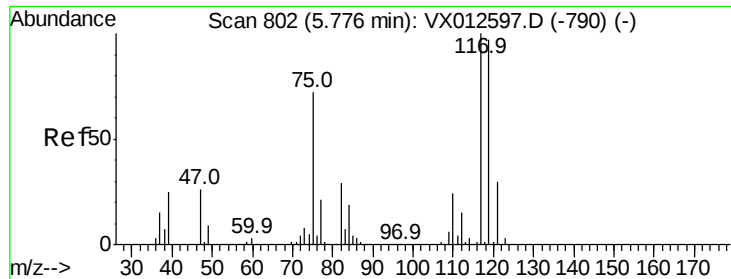
Ion Ratio Lower Upper

75 100

110 9.0 16.7 50.0#

77 0.0 24.2 36.2#

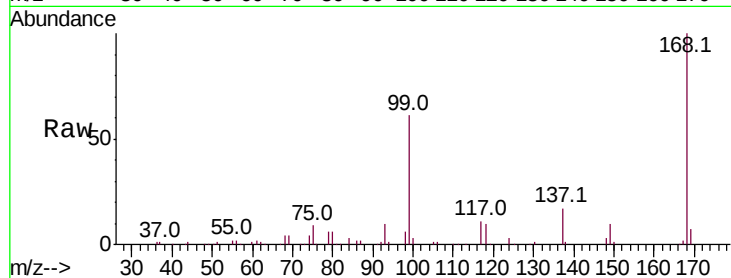




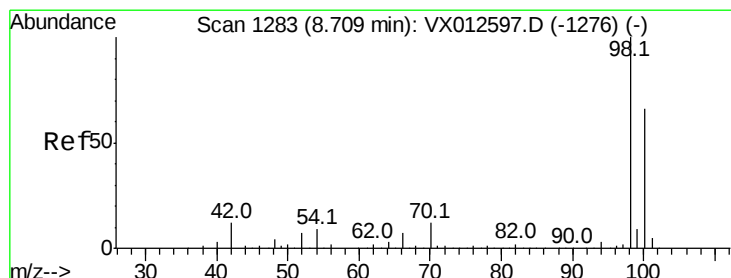
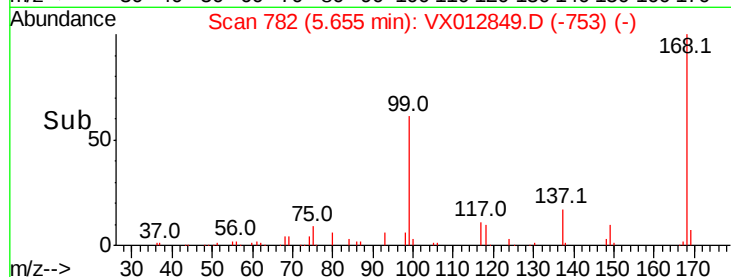
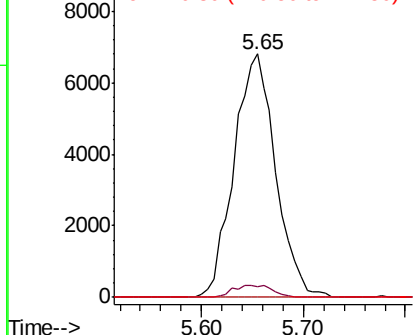
#38
Carbon Tetrachloride
Concen: 6.401 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

Instrument :
MSVOA_X
ClientSampleId :
FC-MW09I-20191002

Tot Ion:117 Resp: 19298
Ion Ratio Lower Upper
117 100
119 4.5 75.7 113.5#
121 0.0 24.2 36.4#

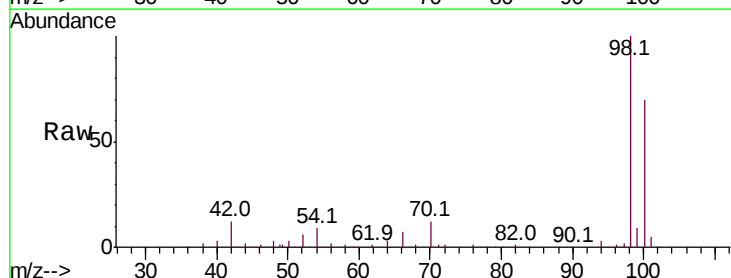


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

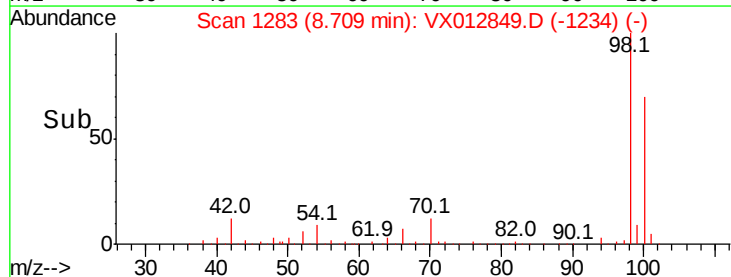
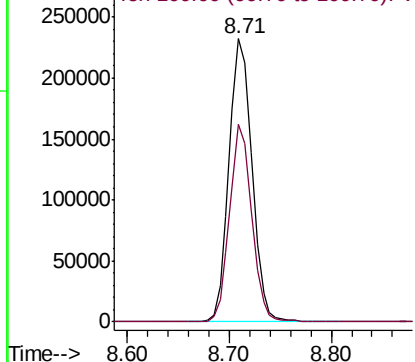


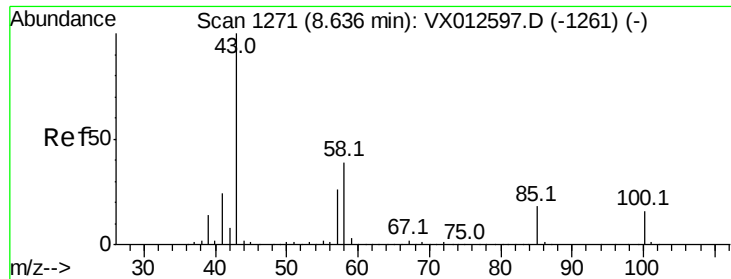
#50
Toluene-d8
Concen: 51.232 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

Tgt Ion: 98 Resp: 361760
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.408 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

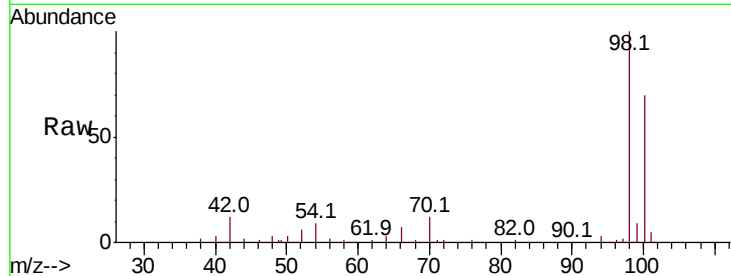
FC-MW091-20191002

Tot Ion: 43 Resp: 1463

Ion Ratio Lower Upper

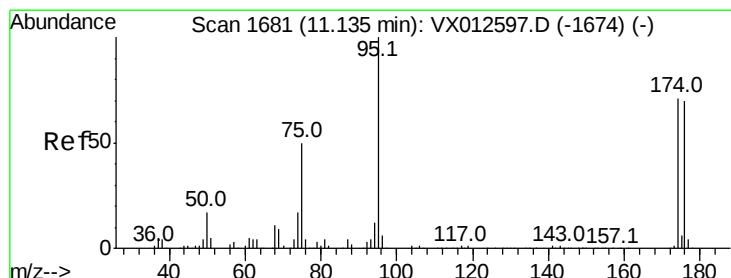
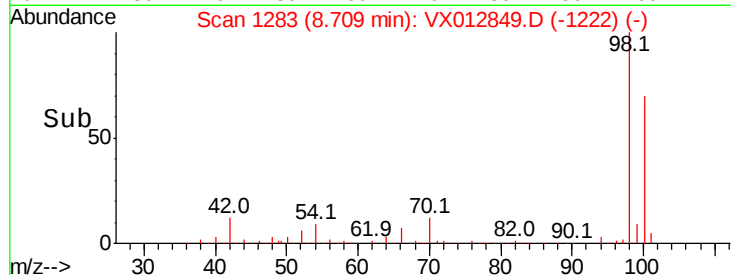
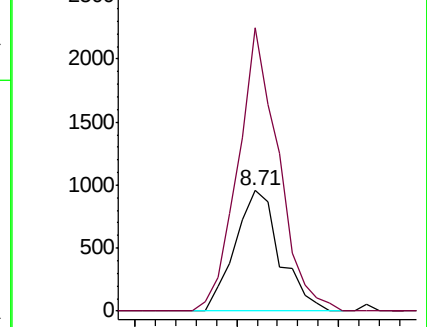
43 100

58 212.2 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.051 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

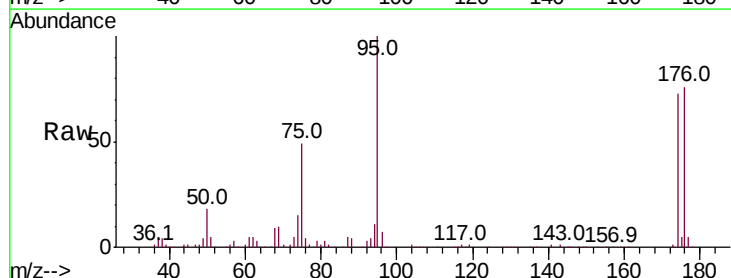
Tgt Ion: 95 Resp: 122309

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.0

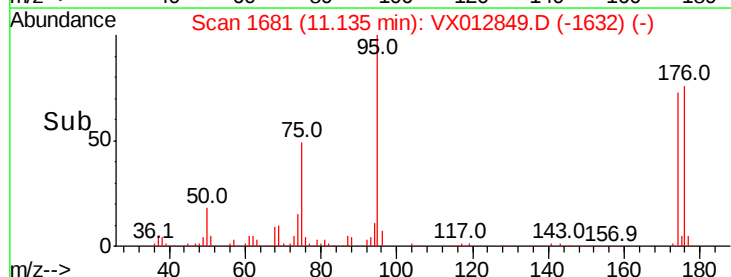
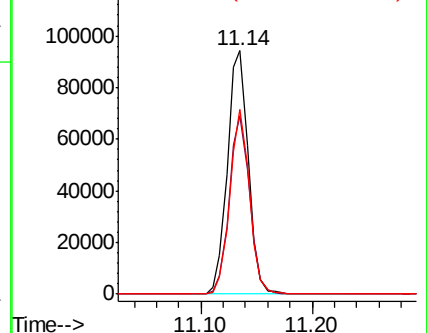
176 71.2 0.0 135.4

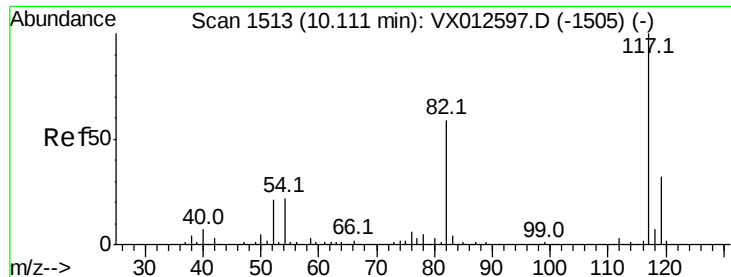


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

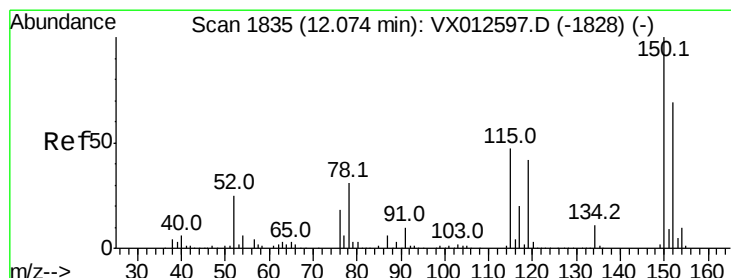
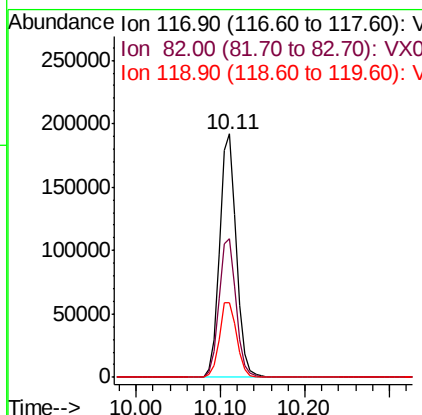
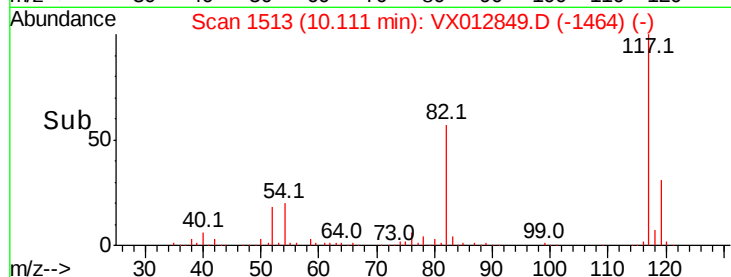
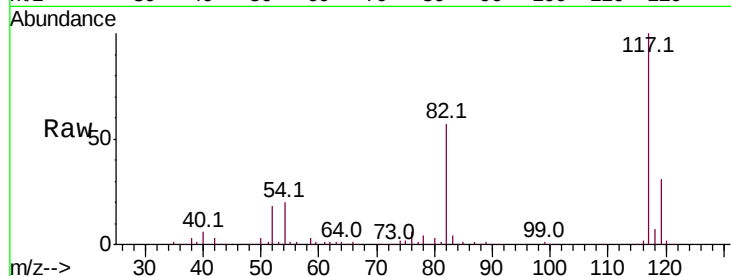




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

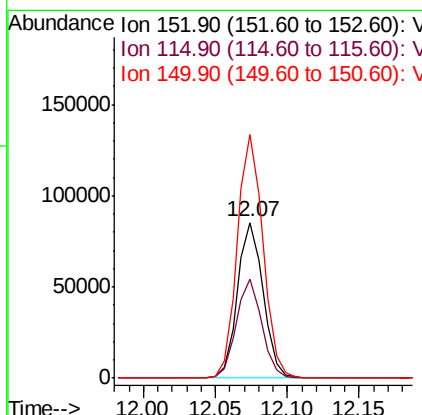
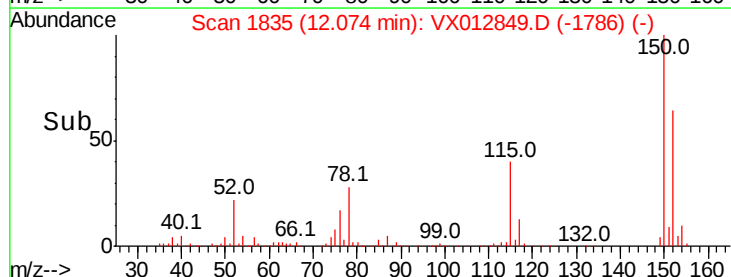
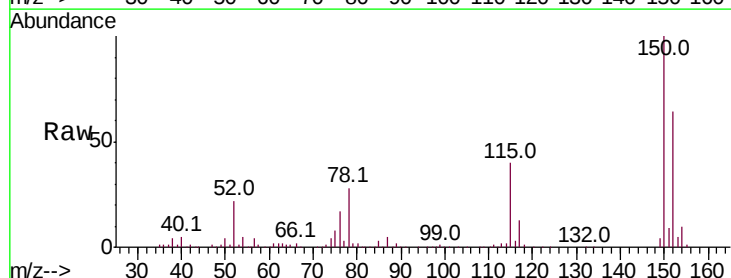
Instrument :
MSVOA_X
ClientSampleId :
FC-MW09I-20191002

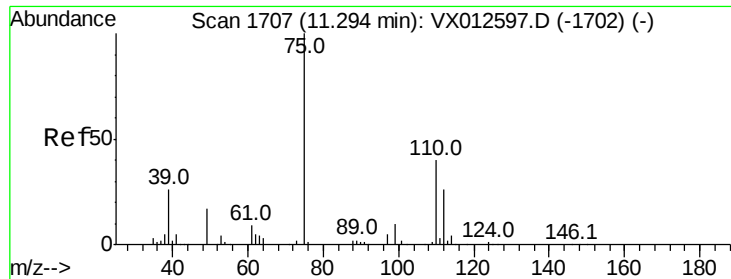
Tot Ion:117 Resp: 264373
Ion Ratio Lower Upper
117 100
82 57.0 45.9 68.9
119 30.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012849.D
Acq: 07 Oct 2019 19:30

Tgt Ion:152 Resp: 105920
Ion Ratio Lower Upper
152 100
115 63.3 44.1 132.3
150 157.1 0.0 343.8





#76

1,2,3-Trichloropropane

Concen: 22.619 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

Instrument :

MSVOA_X

ClientSampleId :

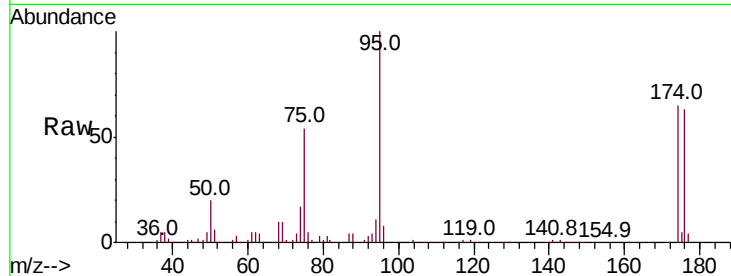
FC-MW09I-20191002

Tot Ion: 75 Resp: 63375

Ion Ratio Lower Upper

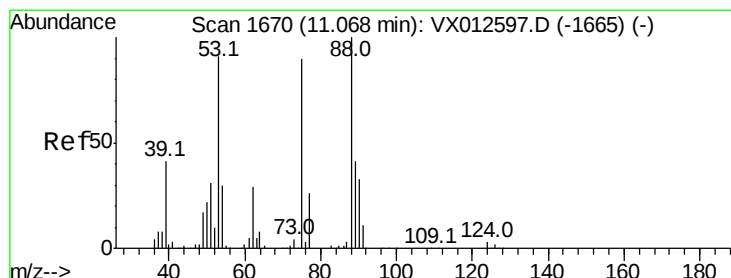
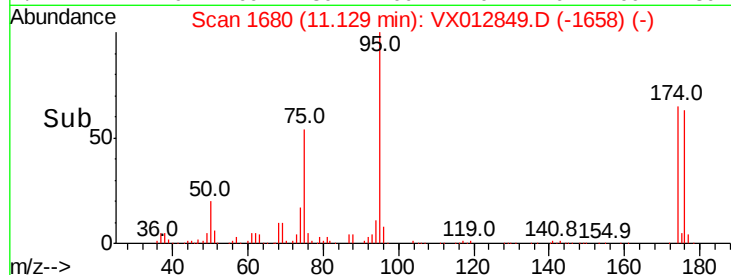
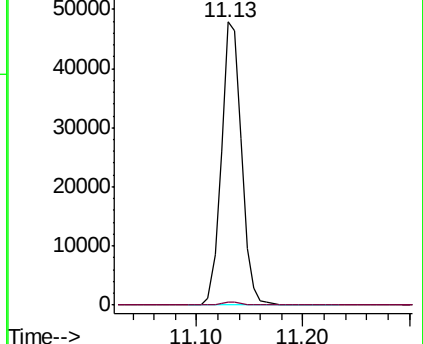
75 100

77 1.2 19.7 59.0#



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: 64.821 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012849.D

Acq: 07 Oct 2019 19:30

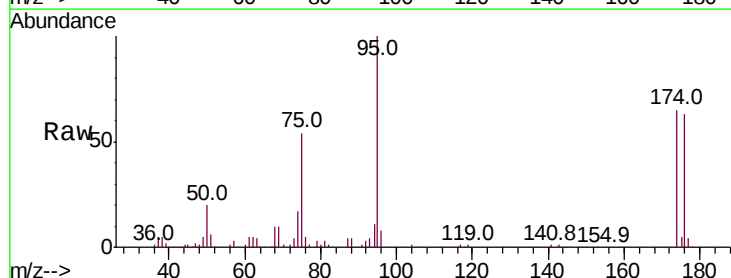
Tgt Ion: 75 Resp: 63375

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

