

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102220\
 Data File : VX019028.D
 Acq On : 22 Oct 2020 15:37
 Operator : JC/SP
 Sample : L4417-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12D

Quant Time: Oct 23 08:32:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 22 17:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	276088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	475459	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	169406	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	5.46	113	148088	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.70	98	595199	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
62) 4-Bromofluorobenzene	11.12	95	218355	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

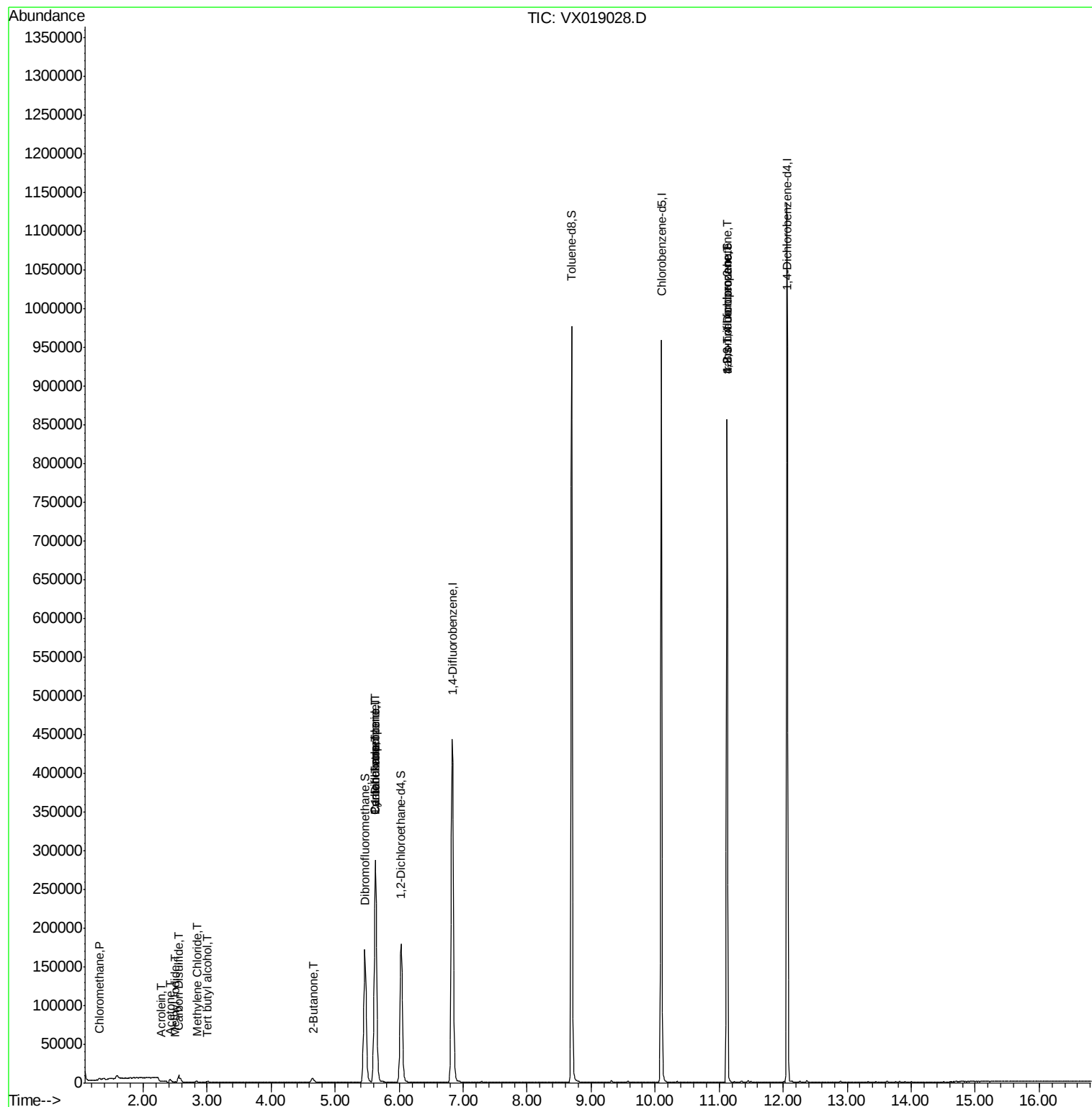
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	811	0.297	ug/l	96
5) Bromomethane	1.64	94	257	Below Cal	#	79
10) Methyl Iodide	2.50	142	120	4.800	ug/l #	42
11) Tert butyl alcohol	3.00	59	665	0.993	ug/l #	90
13) Acrolein	2.29	56	23	13.711	ug/l #	1
16) Acetone	2.42	43	3251	2.886	ug/l	93
17) Carbon Disulfide	2.55	76	11116	1.434	ug/l	97
20) Methylene Chloride	2.83	84	888	0.283	ug/l #	81
25) 2-Butanone	4.65	43	684	0.384	ug/l #	40
31) Cyclohexane	5.63	56	5447	1.406	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20597	4.828	ug/l #	48
38) Carbon Tetrachloride	5.62	117	27477	6.136	ug/l #	15
76) 1,2,3-Trichloropropane	11.12	75	108851	22.687	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	108851	57.801	ug/l #	15

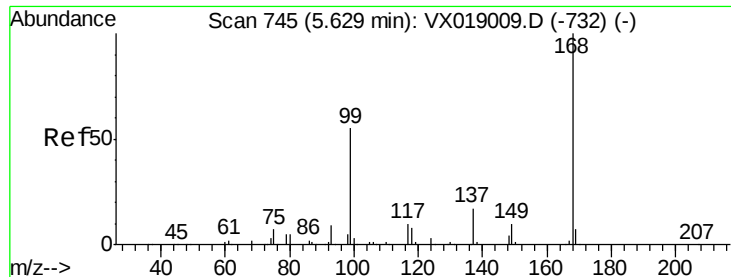
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 22 17:51:42 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

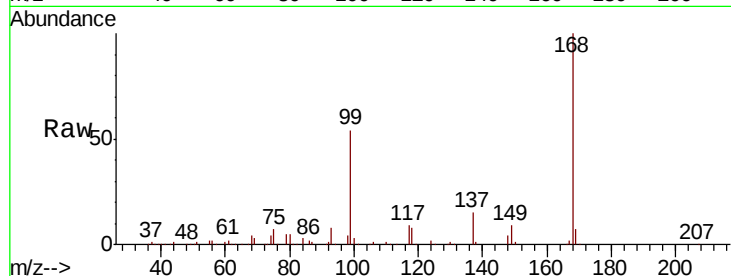
MW-12D

Tot Ion:168 Resp: 276088

Ion Ratio Lower Upper

168 100

99 54.5 44.2 66.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

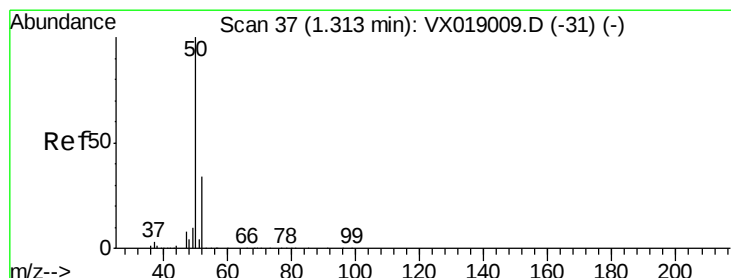
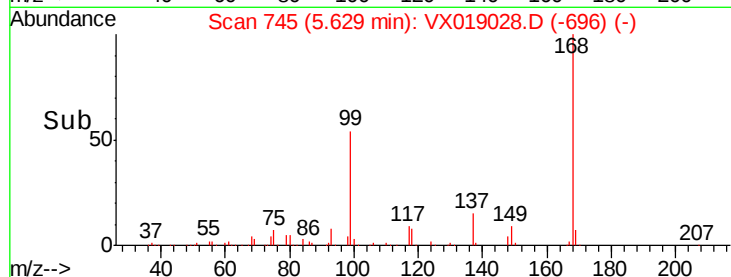
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.297 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019028.D

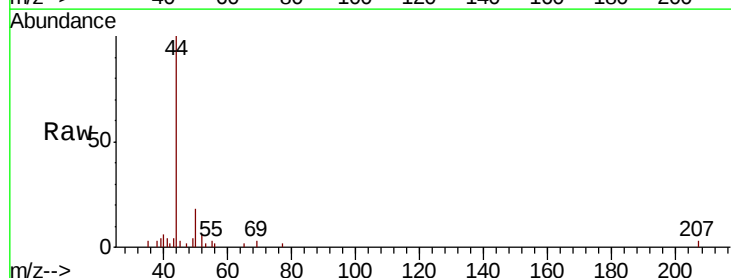
Acq: 22 Oct 2020 15:37

Tgt Ion: 50 Resp: 811

Ion Ratio Lower Upper

50 100

52 31.6 27.0 40.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

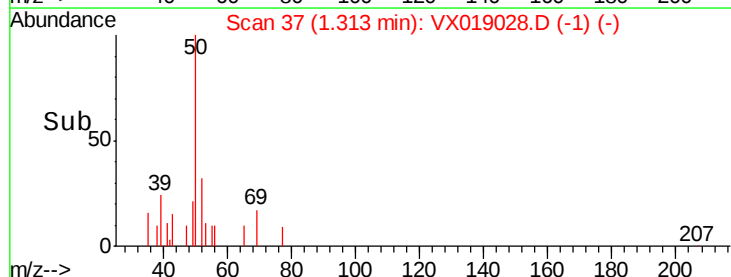
600

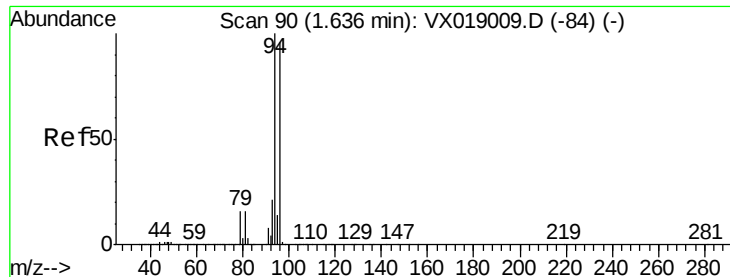
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.00 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampled :

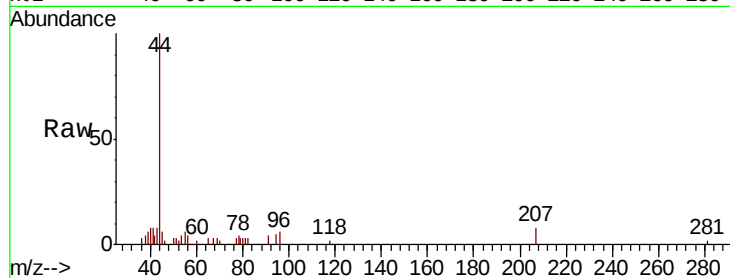
MW-12D

Tot Ion: 94 Resp: 257

Ion Ratio Lower Upper

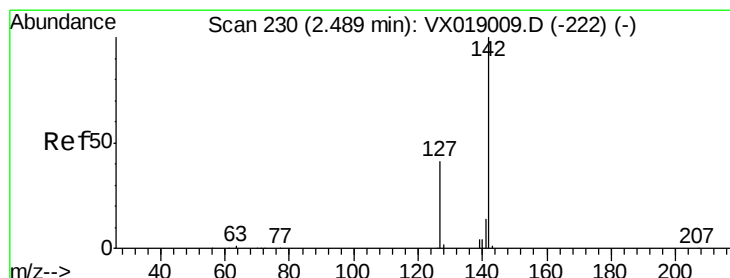
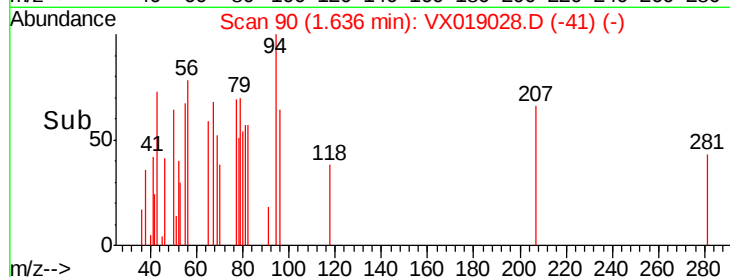
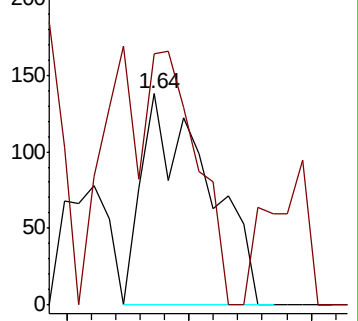
94 100

96 76.1 77.1 115.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.800 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

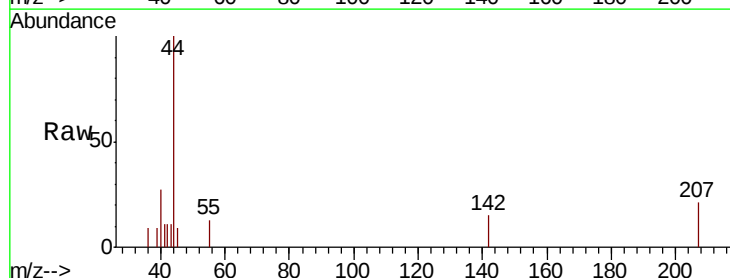
Tgt Ion: 142 Resp: 120

Ion Ratio Lower Upper

142 100

127 0.0 33.6 50.4#

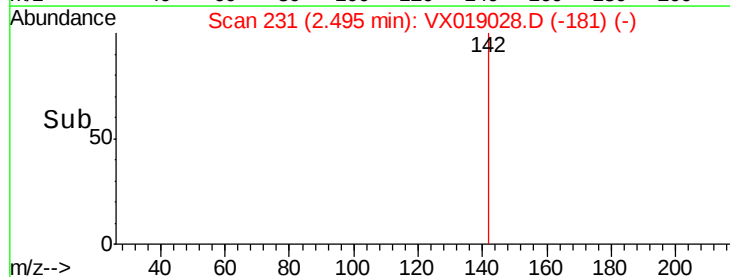
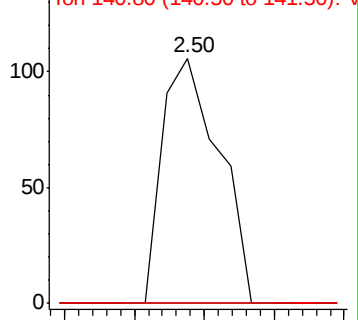
141 0.0 11.2 16.8#

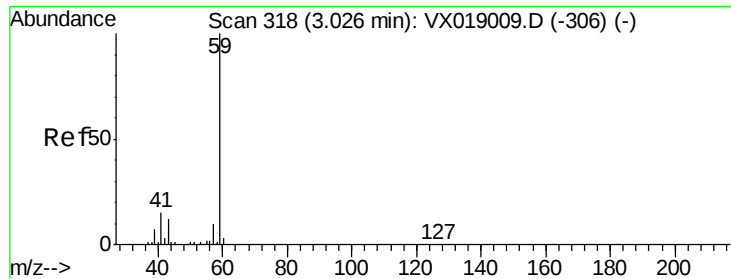


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



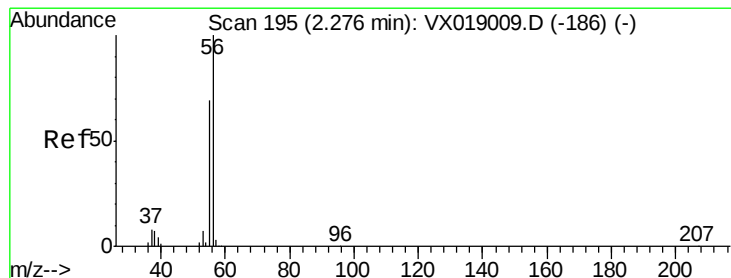
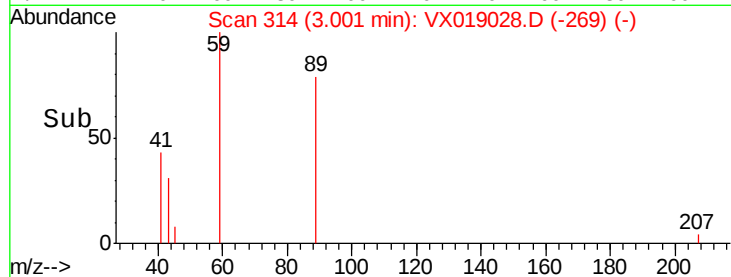
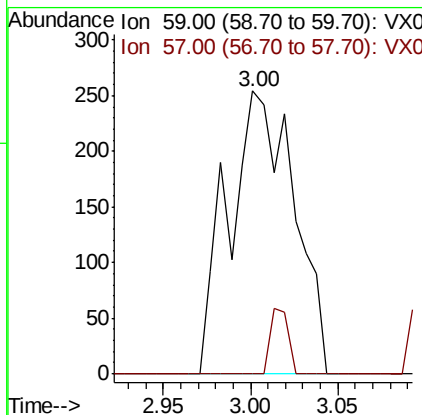
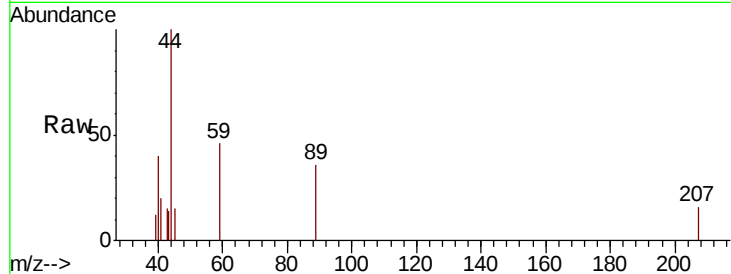


#11

Tert butyl alcohol
Concen: 0.993 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX019028.D
Acq: 22 Oct 2020 15:37

Instrument :
MSVOA_X
ClientSampleId :
MW-12D

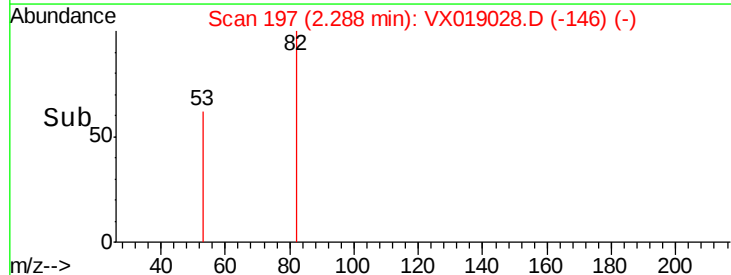
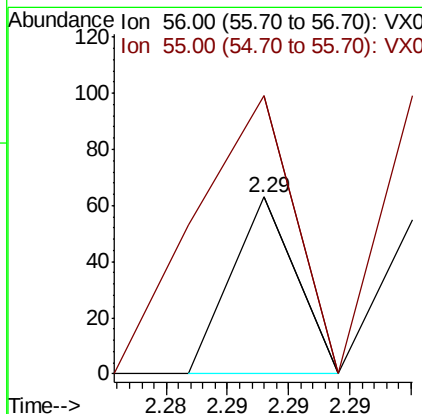
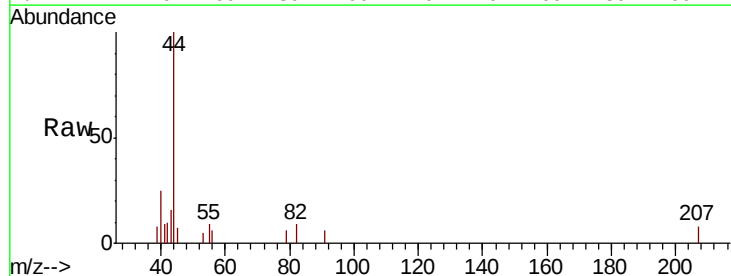
Tot Ion: 59 Resp: 665
Ion Ratio Lower Upper
59 100
57 6.3 8.2 12.2#

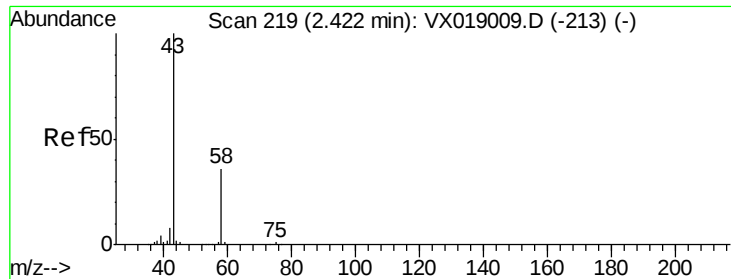


#13

Acrolein
Concen: 13.711 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX019028.D
Acq: 22 Oct 2020 15:37

Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 243.5 54.2 81.4#





#16

Acetone

Concen: 2.886 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampled :

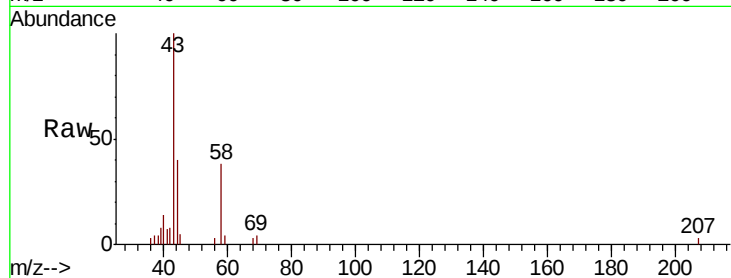
MW-12D

Tot Ion: 43 Resp: 3251

Ion Ratio Lower Upper

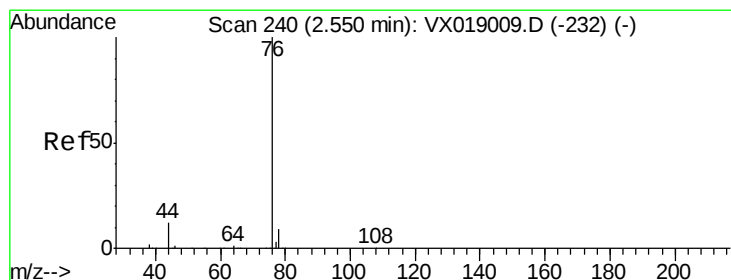
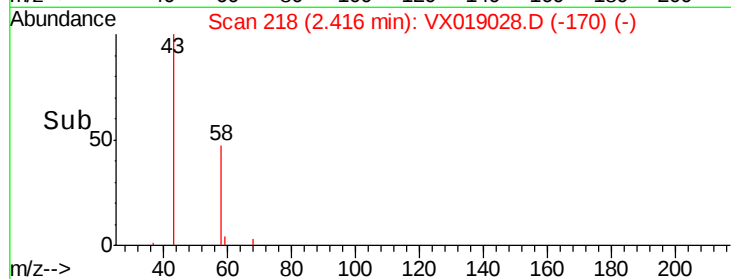
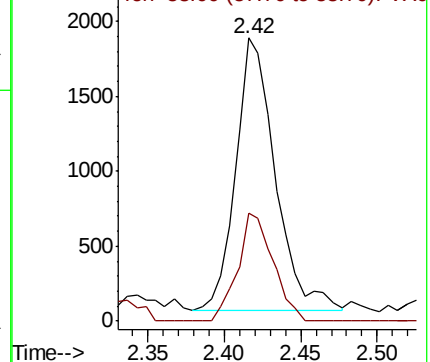
43 100

58 39.9 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.434 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX019028.D

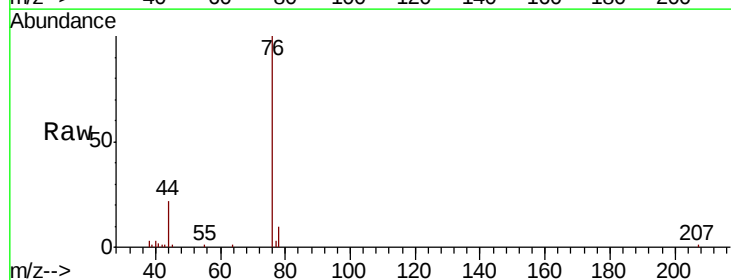
Acq: 22 Oct 2020 15:37

Tgt Ion: 76 Resp: 11116

Ion Ratio Lower Upper

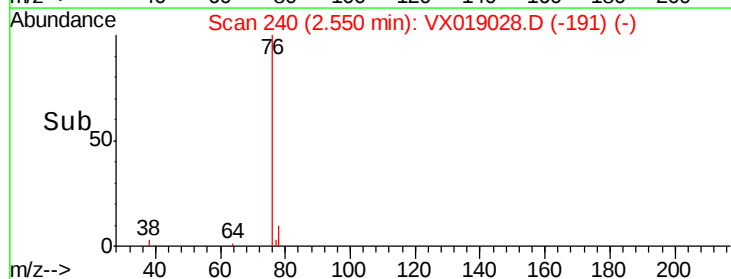
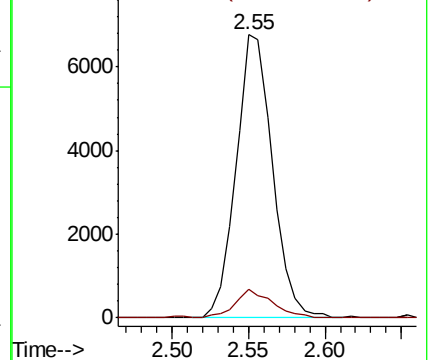
76 100

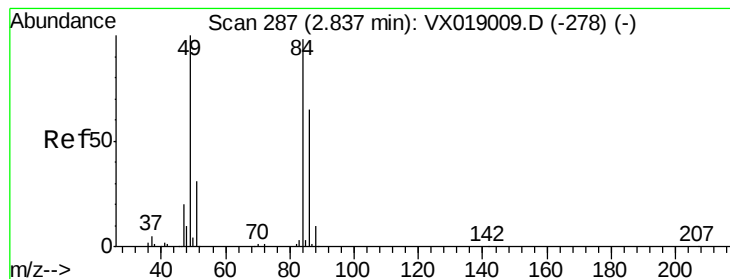
78 10.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methvlene Chloride

Concen: 0.283 ug/l

RT: 2.83 min Scan# 286

Delta R.T. -0.01 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

MW-12D

Tot Ion: 84 Resp: 888

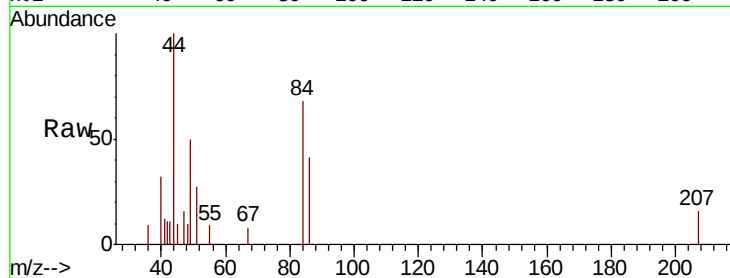
Ion Ratio Lower Upper

84 100

49 73.7 81.6 122.4#

51 40.3 25.6 38.4#

86 61.2 53.3 79.9



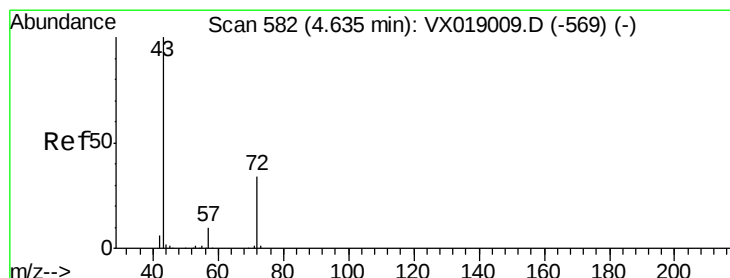
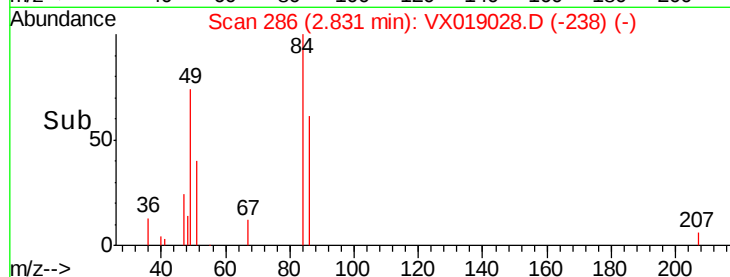
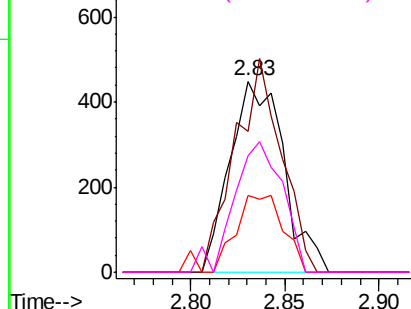
Abundance

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



#25

2-Butanone

Concen: 0.384 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX019028.D

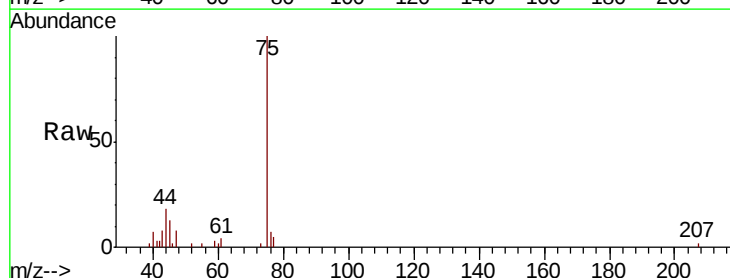
Acq: 22 Oct 2020 15:37

Tgt Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

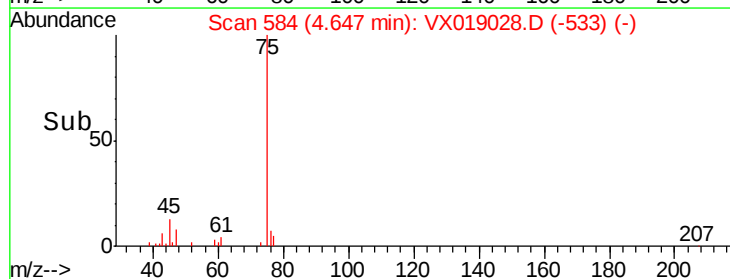
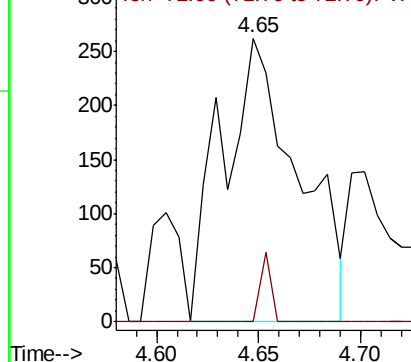
72 0.0 27.8 41.6#

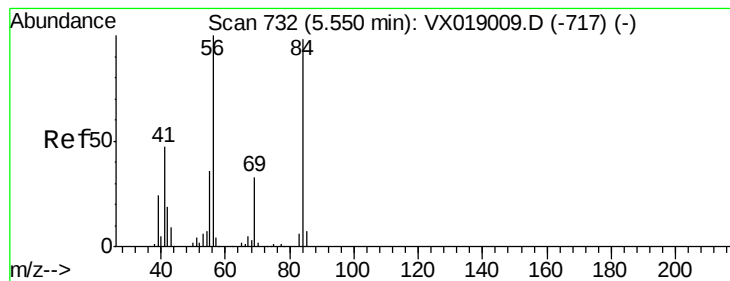


Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 1.406 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampled :

MW-12D

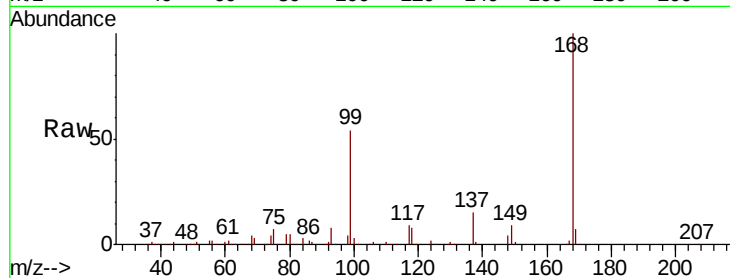
Tot Ion: 56 Resp: 5447

Ion Ratio Lower Upper

56 100

69 171.0 26.2 39.2#

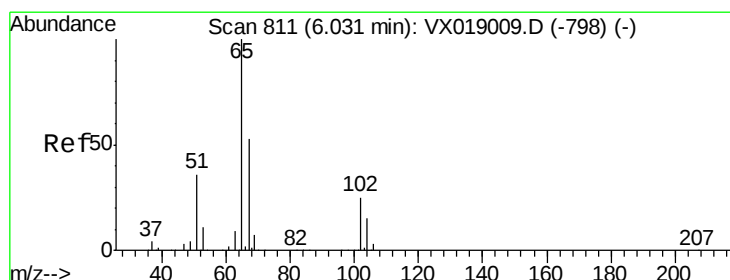
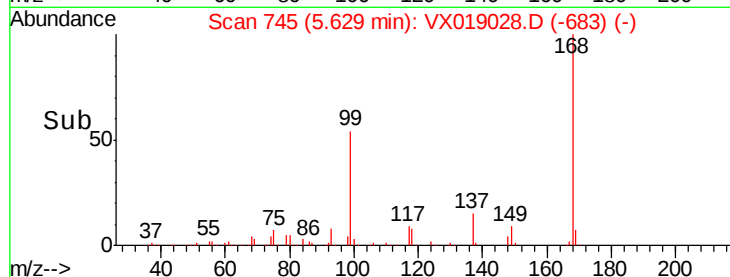
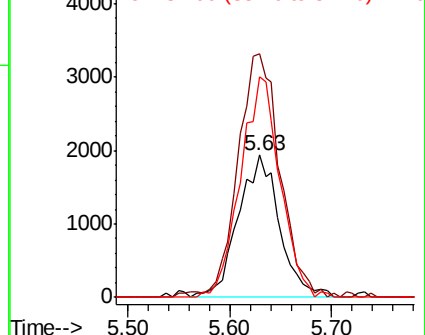
84 155.2 78.3 117.5#



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: 51.225 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019028.D

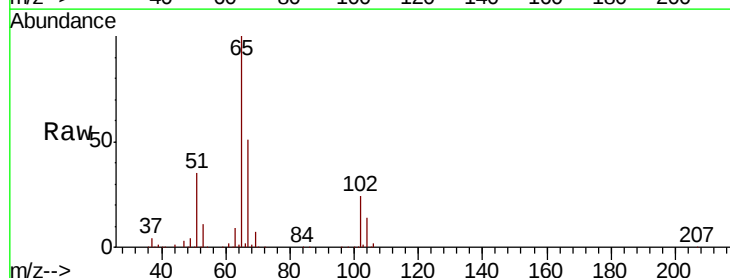
Acq: 22 Oct 2020 15:37

Tgt Ion: 65 Resp: 169406

Ion Ratio Lower Upper

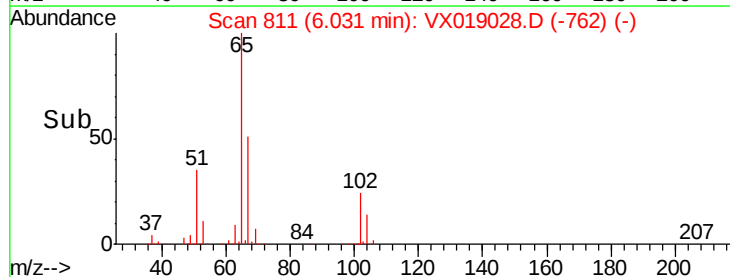
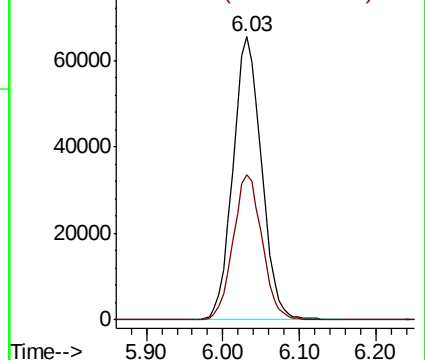
65 100

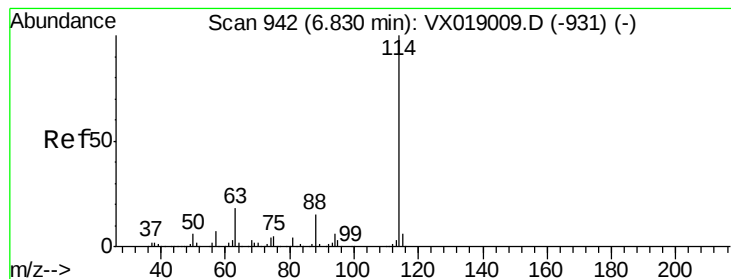
67 51.9 0.0 107.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

MW-12D

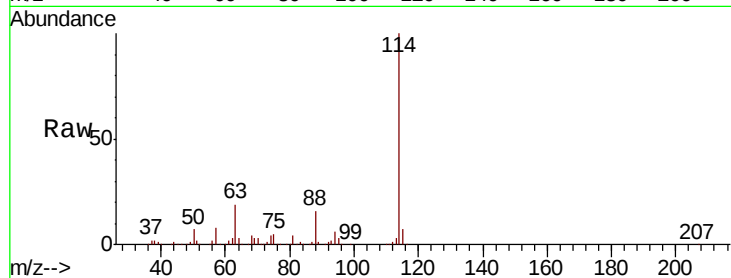
Tot Ion:114 Resp: 475459

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

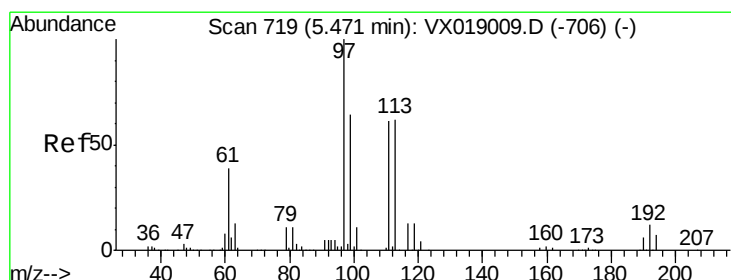
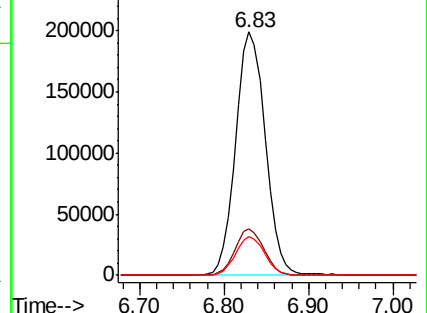
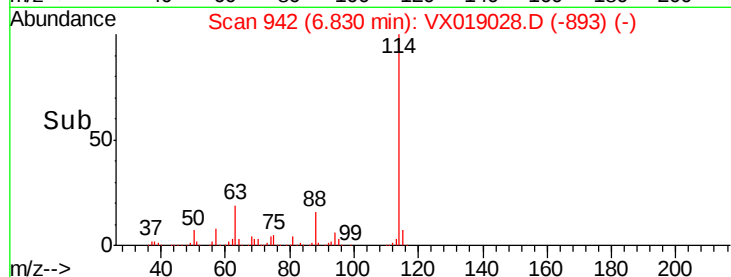
88 15.7 0.0 30.2



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: 49.194 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

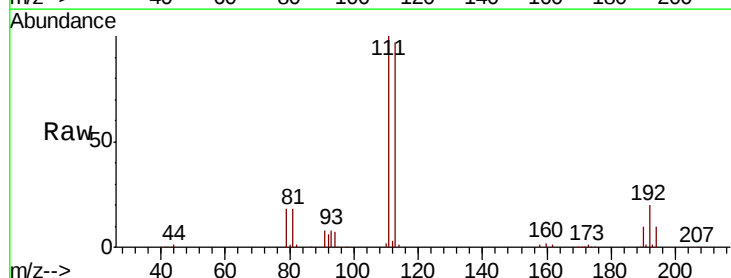
Tgt Ion:113 Resp: 148088

Ion Ratio Lower Upper

113 100

111 103.0 81.5 122.3

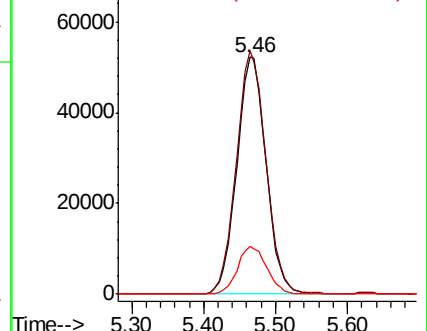
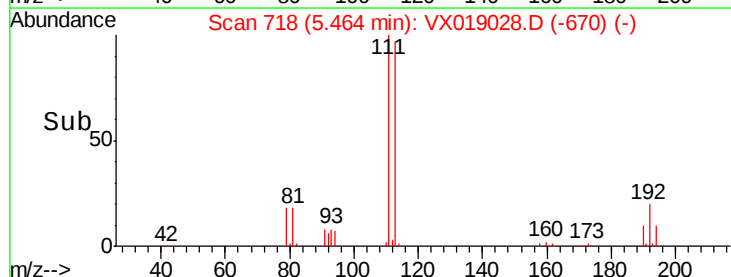
192 20.2 16.3 24.5

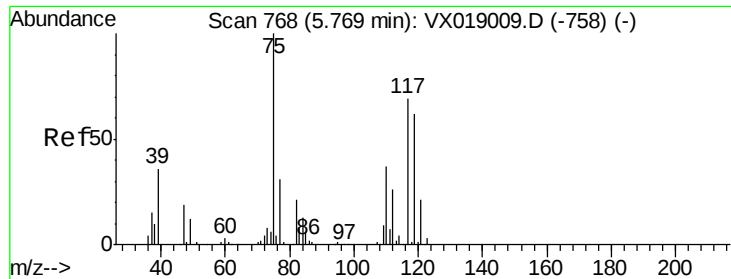


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.828 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

MW-12D

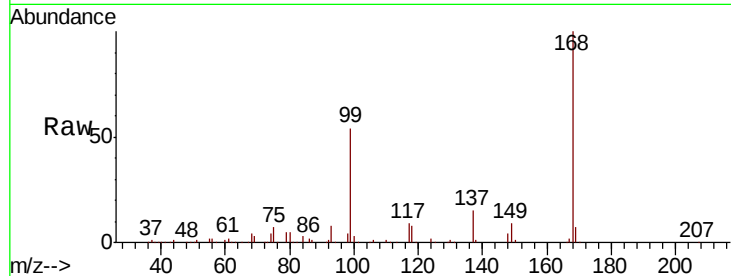
Tot Ion: 75 Resp: 20597

Ion Ratio Lower Upper

75 100

110 9.3 19.4 58.2#

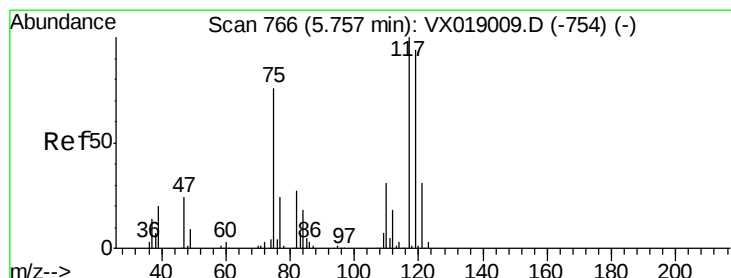
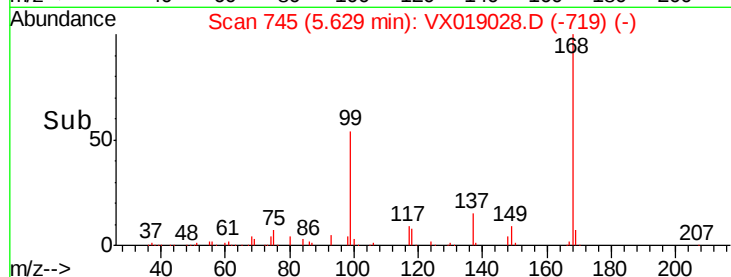
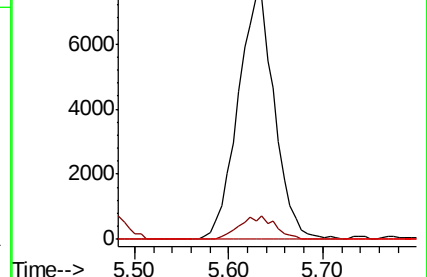
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX019009.D (-758) (-)

Ion 109.90 (109.60 to 110.60): VX019009.D (-758) (-)

Ion 76.90 (76.60 to 77.60): VX019009.D (-758) (-)



#38

Carbon Tetrachloride

Concen: 6.136 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

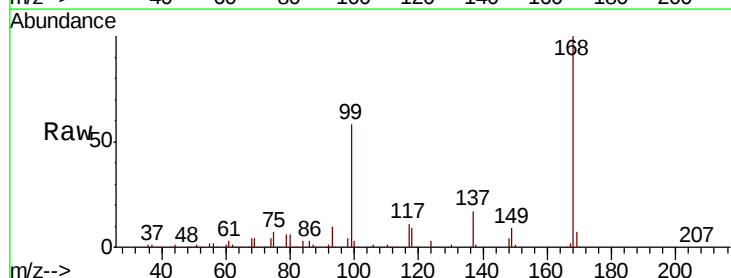
Tgt Ion: 117 Resp: 27477

Ion Ratio Lower Upper

117 100

119 3.5 75.4 113.0#

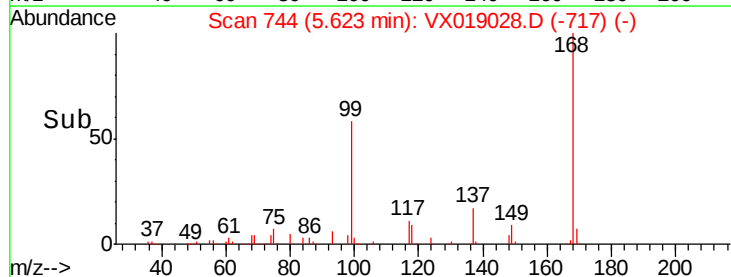
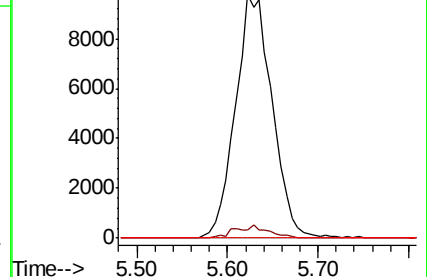
121 0.0 25.0 37.6#

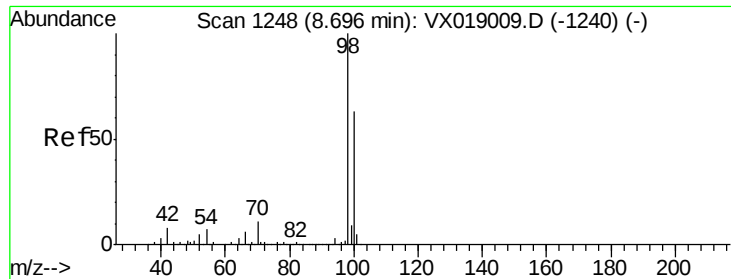


Abundance Ion 116.80 (116.50 to 117.50): VX019009.D (-754) (-)

Ion 118.80 (118.50 to 119.50): VX019009.D (-754) (-)

Ion 120.80 (120.50 to 121.50): VX019009.D (-754) (-)

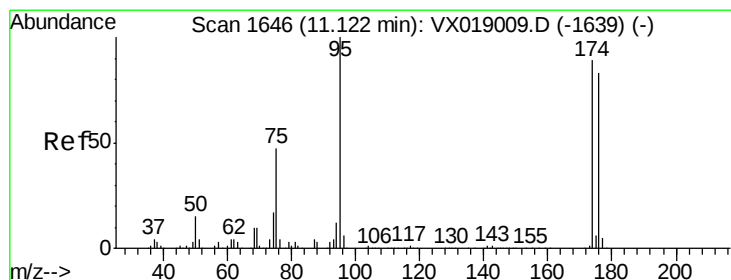
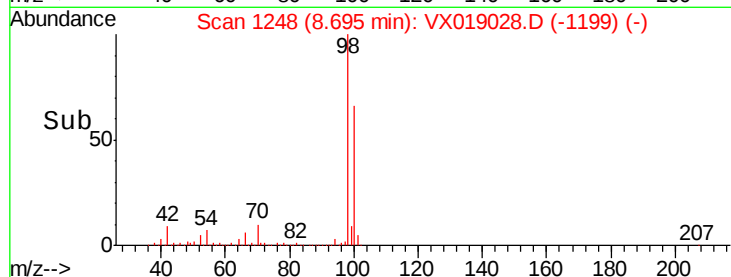
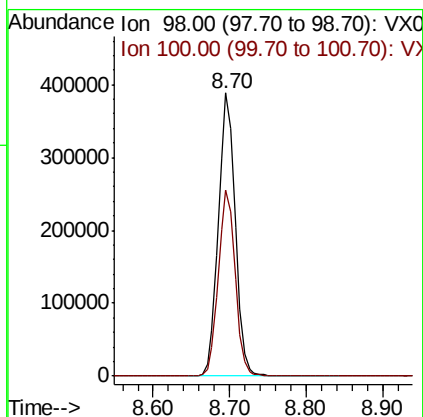
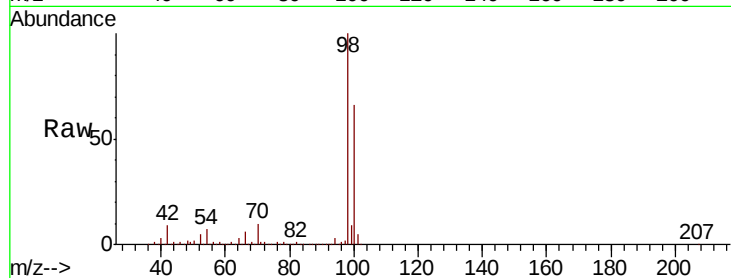




#50
Toluene-d8
Concen: 51.814 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019028.D
Acq: 22 Oct 2020 15:37

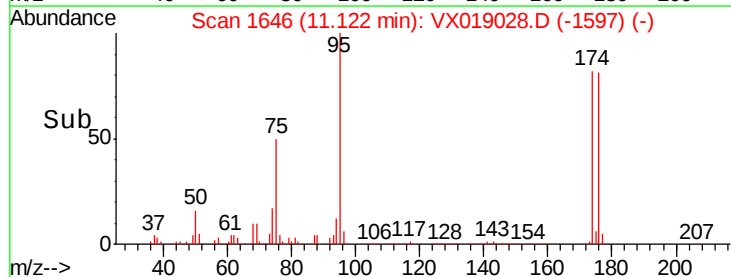
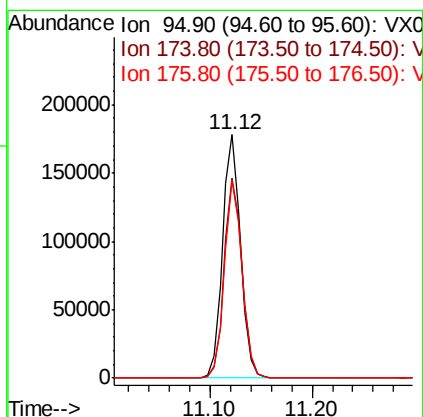
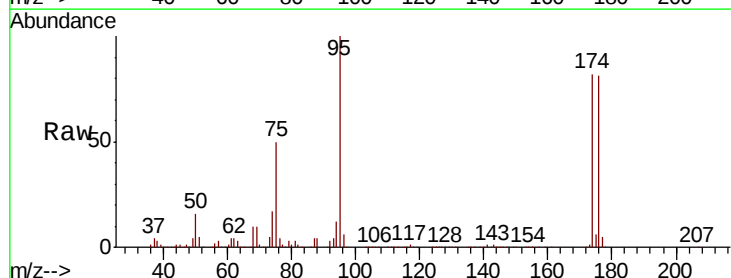
Instrument :
MSVOA_X
ClientSampleId :
MW-12D

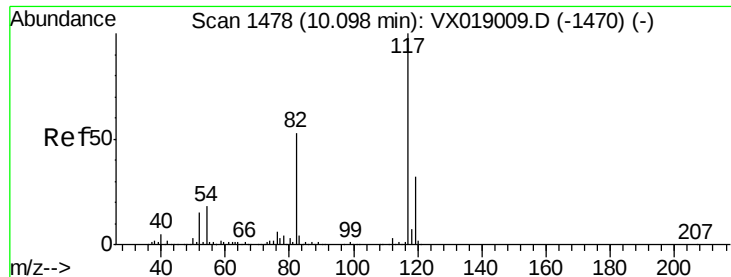
Tot Ion: 98 Resp: 595199
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 53.439 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019028.D
Acq: 22 Oct 2020 15:37

Tgt Ion: 95 Resp: 218355
Ion Ratio Lower Upper
95 100
174 81.8 0.0 167.6
176 79.5 0.0 165.2

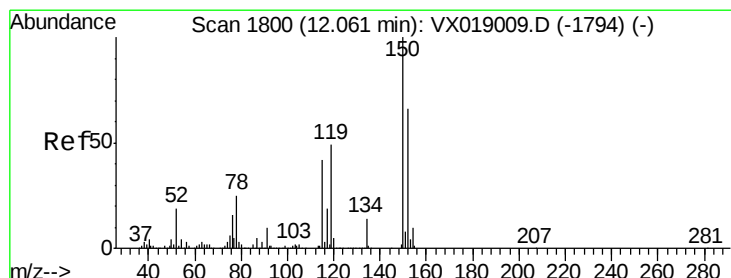
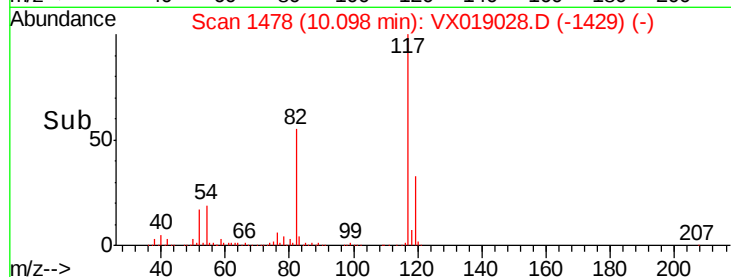
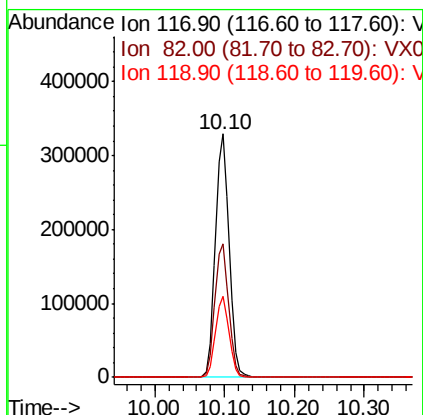
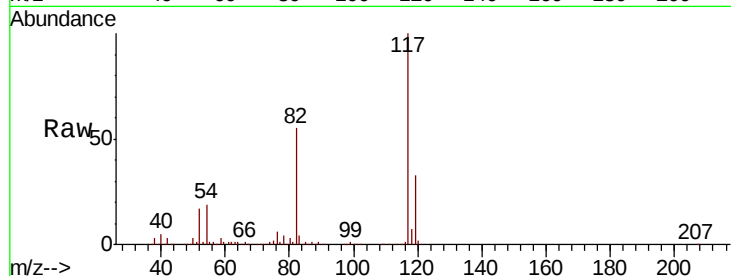




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019028.D
Acq: 22 Oct 2020 15:37

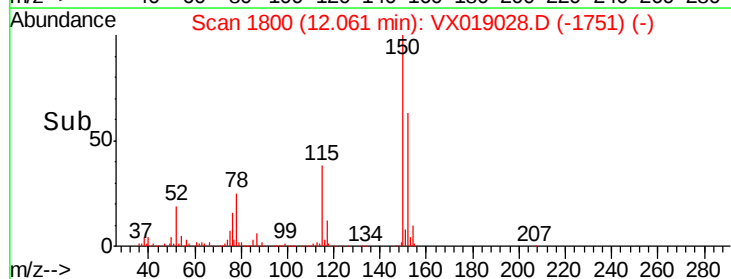
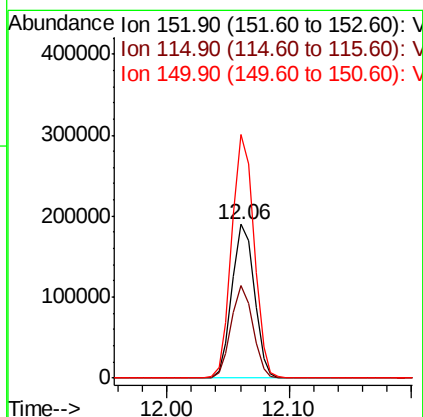
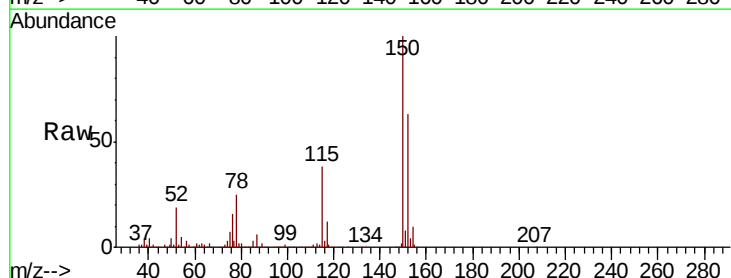
Instrument :
MSVOA_X
ClientSampleId :
MW-12D

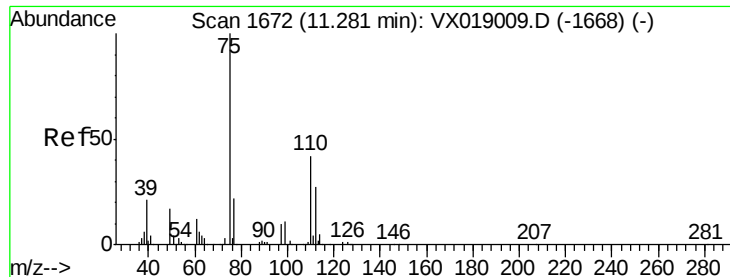
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	42.4	63.6
119	33.2	25.6	38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019028.D
Acq: 22 Oct 2020 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	40.8	122.5
150	157.3	0.0	345.6





#76

1,2,3-Trichloropropane

Concen: 22.687 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

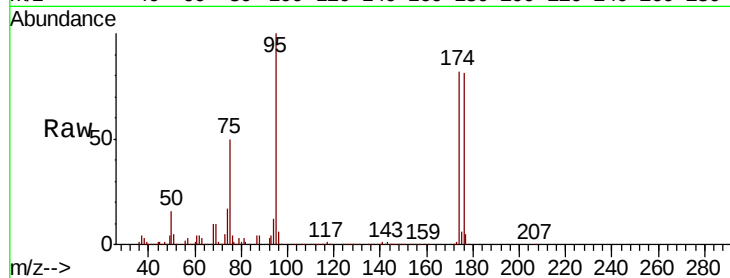
MW-12D

Tot Ion: 75 Resp: 108851

Ion Ratio Lower Upper

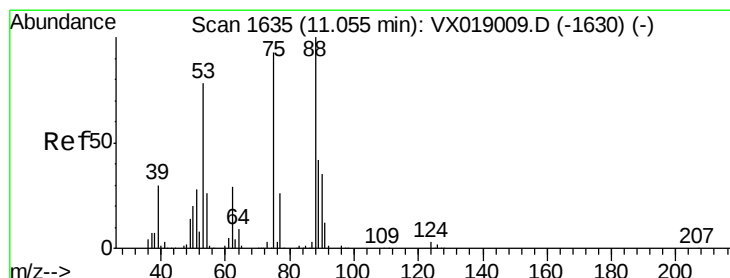
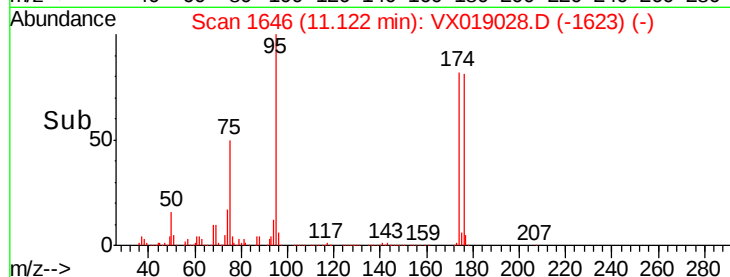
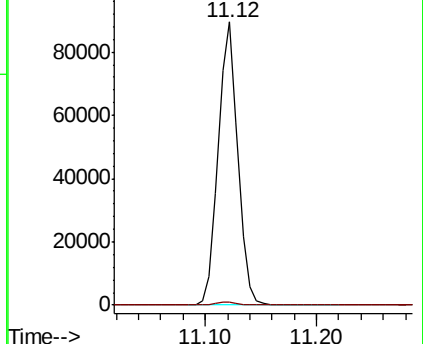
75 100

77 1.2 20.7 62.1#



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: 57.801 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019028.D

Acq: 22 Oct 2020 15:37

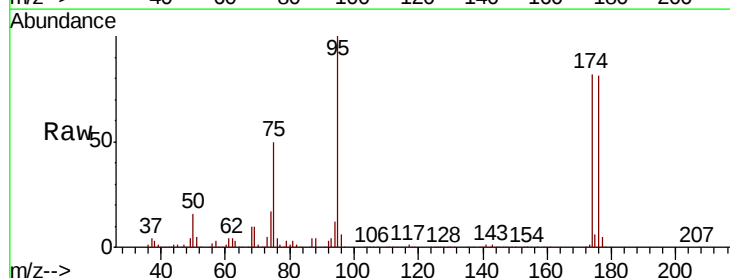
Tgt Ion: 75 Resp: 108851

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

