

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016488.D
 Acq On : 28 May 2020 16:17
 Operator : JC/SP
 Sample : L2782-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200526

Quant Time: May 29 03:39:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	284933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	455733	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	228032	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	171509	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
35) Dibromofluoromethane	5.46	113	133241	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	8.70	98	578327	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
62) 4-Bromofluorobenzene	11.12	95	231640	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	

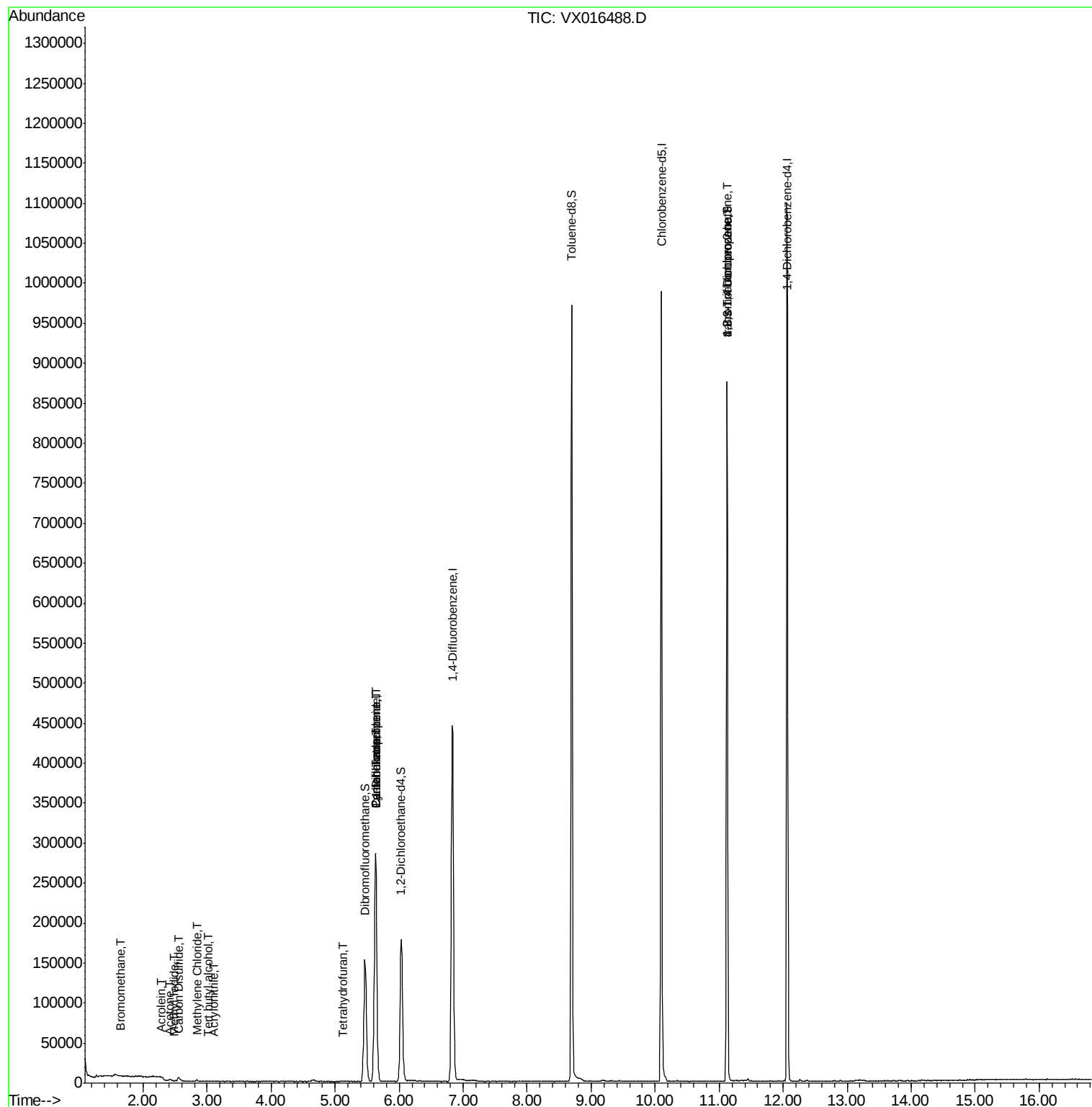
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	482	0.277	ug/l	81
10) Methyl Iodide	2.49	142	51	3.071	ug/l #	40
11) Tert butyl alcohol	3.01	59	343	0.378	ug/l	96
13) Acrolein	2.28	56	399	1.034	ug/l #	42
15) Acrylonitrile	3.11	53	390	0.210	ug/l #	80
16) Acetone	2.42	43	1244	0.802	ug/l #	84
17) Carbon Disulfide	2.55	76	5806	0.713	ug/l #	90
20) Methylene Chloride	2.84	84	875	0.273	ug/l #	82
29) Tetrahydrofuran	5.12	42	358	0.211	ug/l #	61
31) Cyclohexane	5.64	56	5263	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21335	4.944	ug/l #	51
38) Carbon Tetrachloride	5.63	117	26765	5.902	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	115141	22.972	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	115141	56.507	ug/l #	14

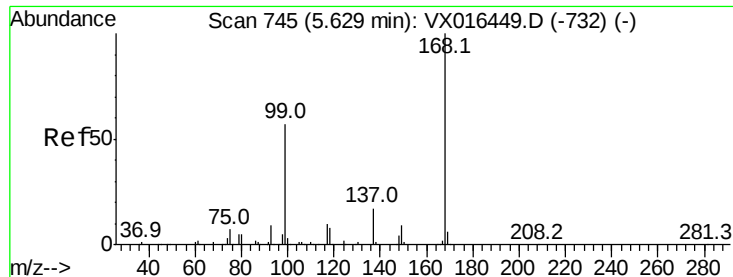
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

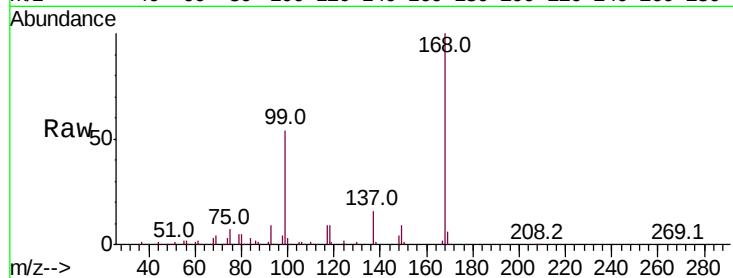
TB-01-200526

Tot Ion:168 Resp: 284933

Ion Ratio Lower Upper

168 100

99 53.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

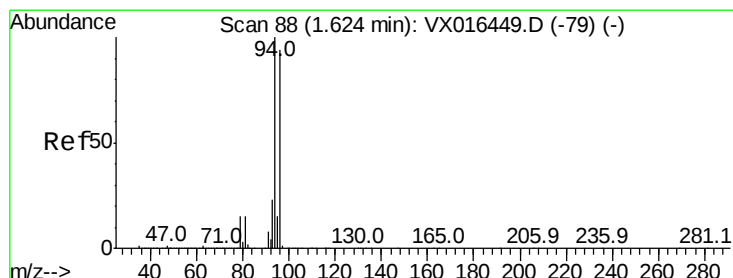
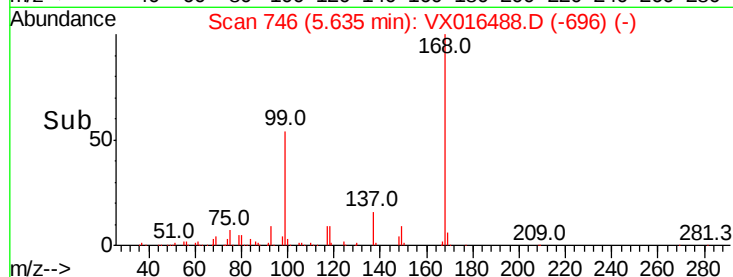
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016488.D

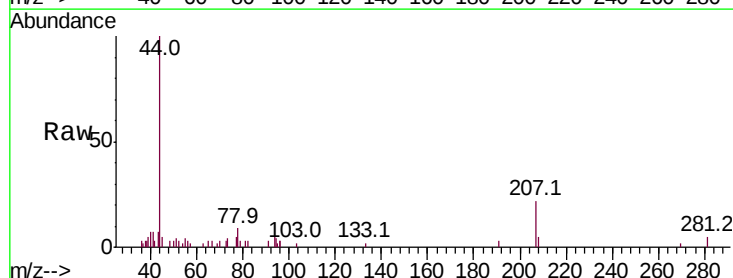
Acq: 28 May 2020 16:17

Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

94 100

96 75.2 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

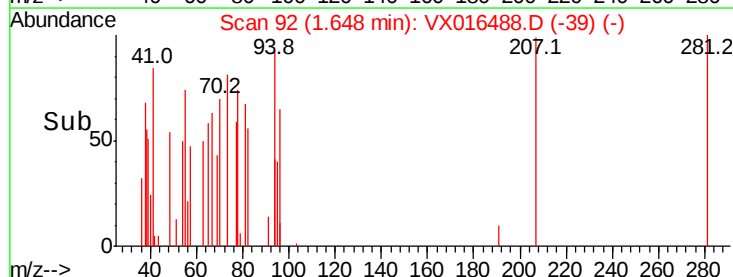
100

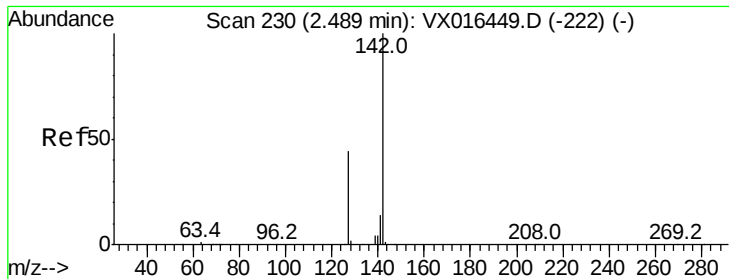
50

0

1.60 1.65

Time-->

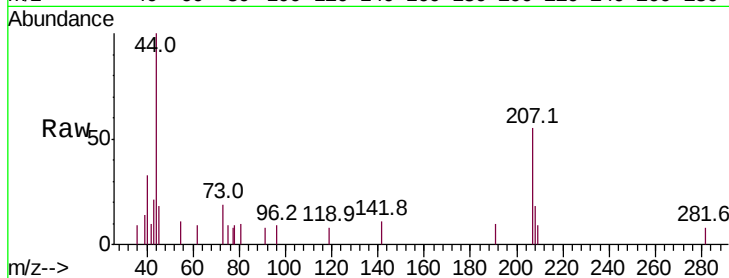




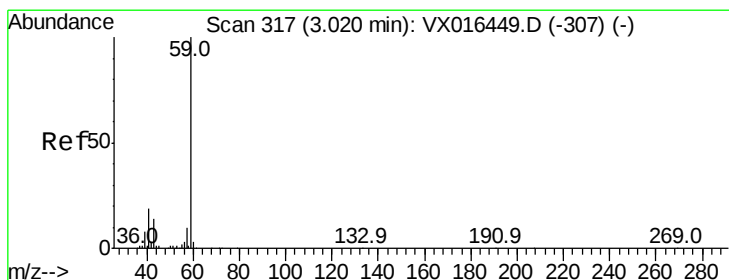
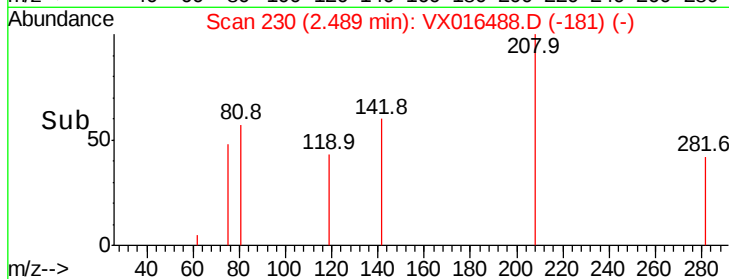
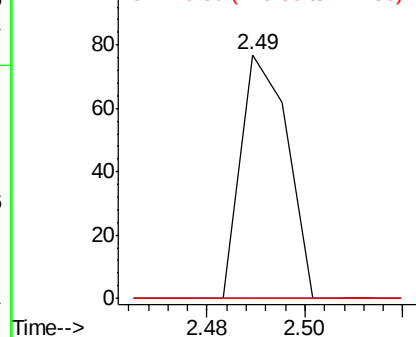
#10
Methvl Iodide
Concen: 3.071 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX016488.D
Acq: 28 May 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
TB-01-200526

Tot Ion:142 Resp: 51
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

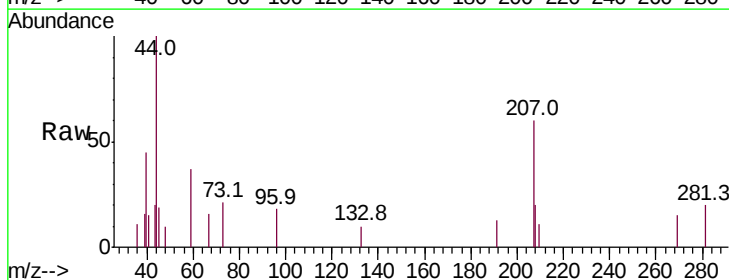


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

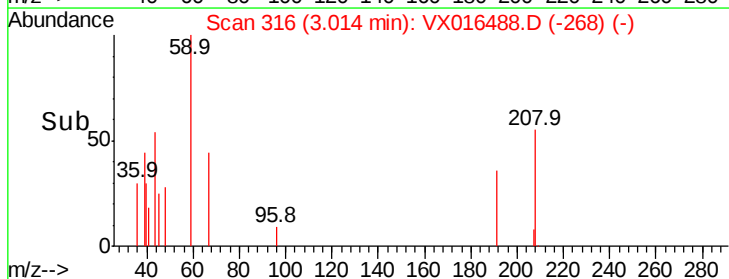
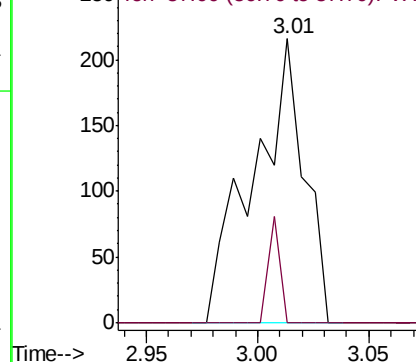


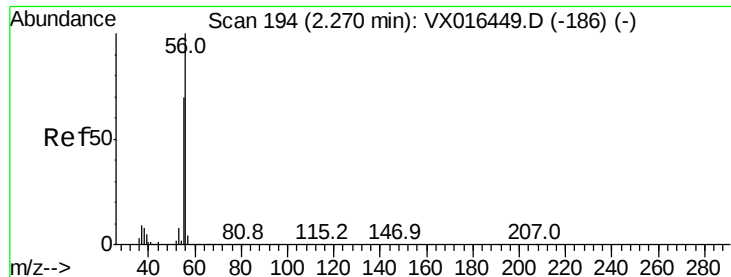
#11
Tert butyl alcohol
Concen: 0.378 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX016488.D
Acq: 28 May 2020 16:17

Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 8.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.034 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

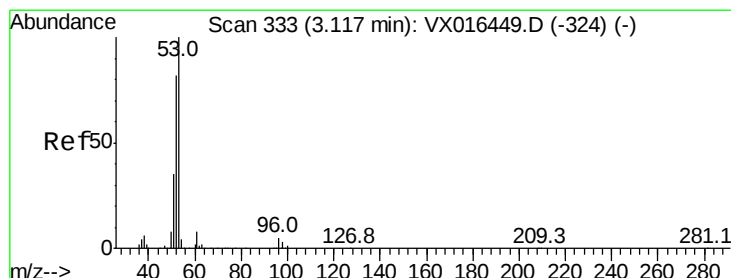
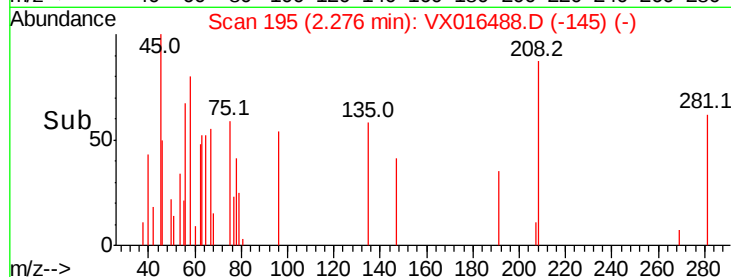
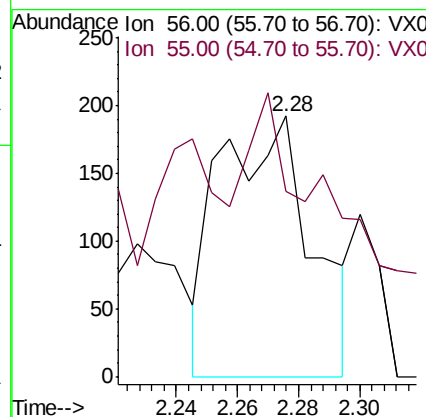
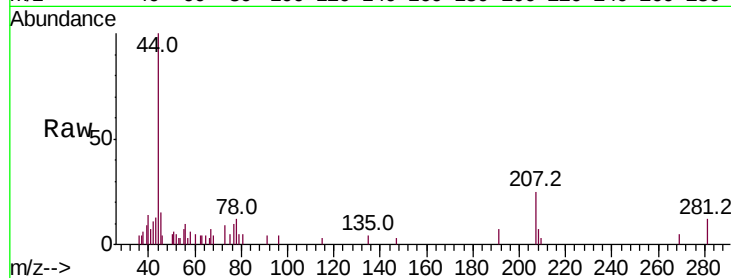
TB-01-200526

Tot Ion: 56 Resp: 399

Ion Ratio Lower Upper

56 100

55 121.8 58.3 87.5#



#15

Acrylonitrile

Concen: 0.210 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

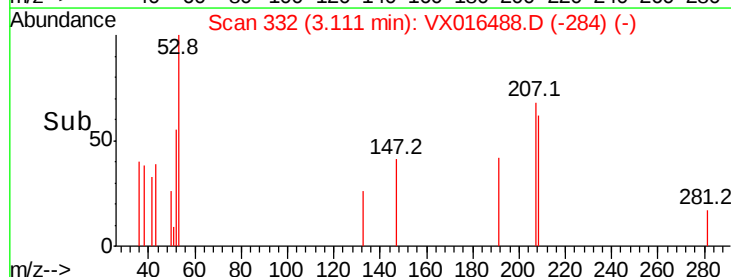
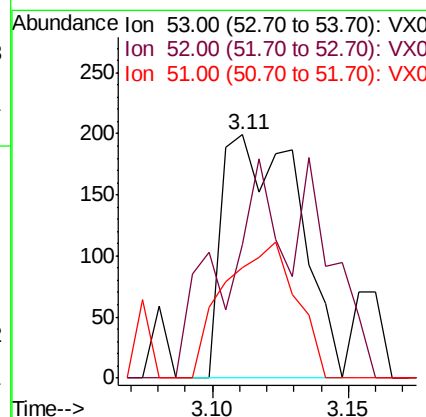
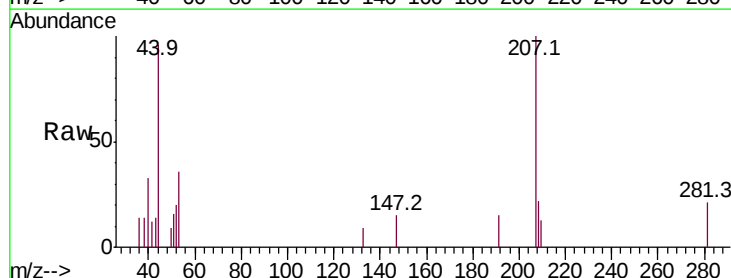
Tgt Ion: 53 Resp: 390

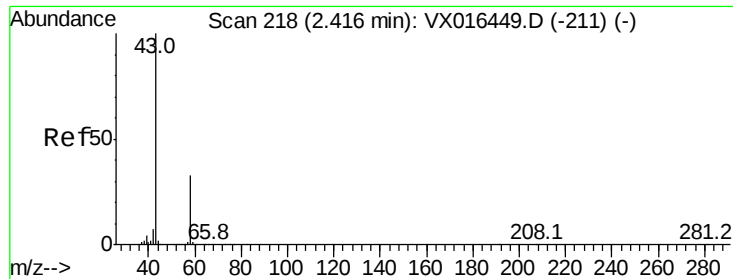
Ion Ratio Lower Upper

53 100

52 68.5 66.7 100.1

51 52.3 28.6 43.0#





#16

Acetone

Concen: 0.802 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

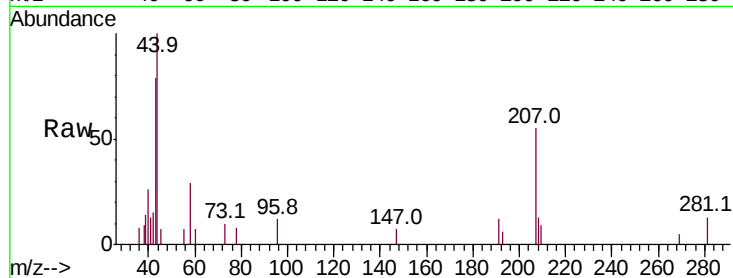
TB-01-200526

Tot Ion: 43 Resp: 1244

Ion Ratio Lower Upper

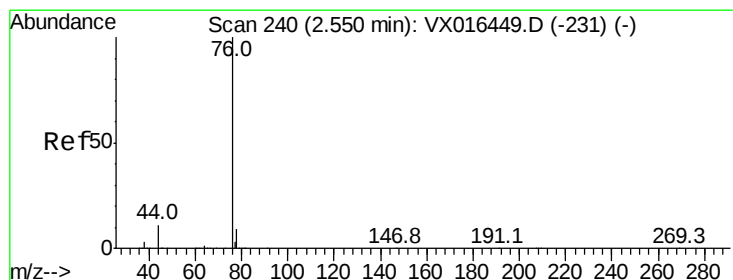
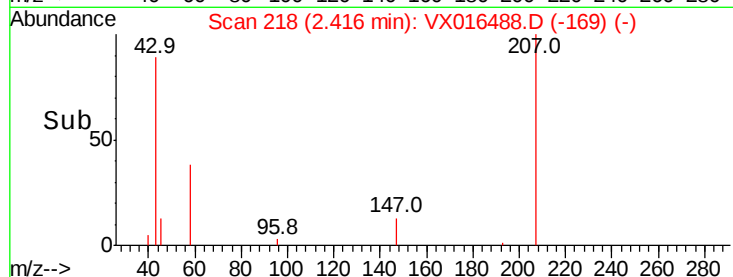
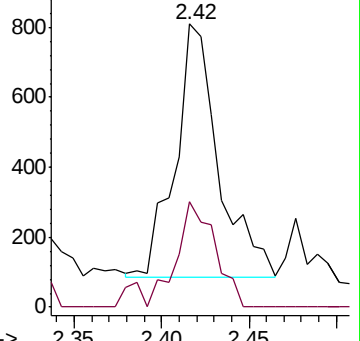
43 100

58 41.9 26.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.713 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016488.D

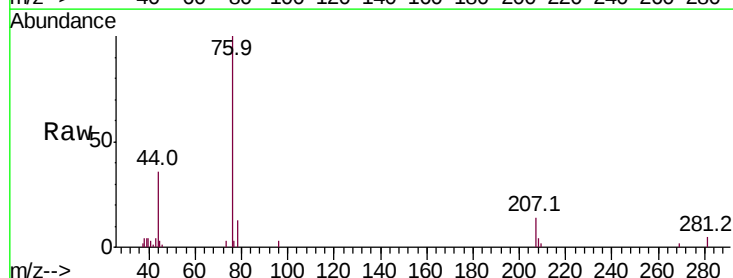
Acq: 28 May 2020 16:17

Tgt Ion: 76 Resp: 5806

Ion Ratio Lower Upper

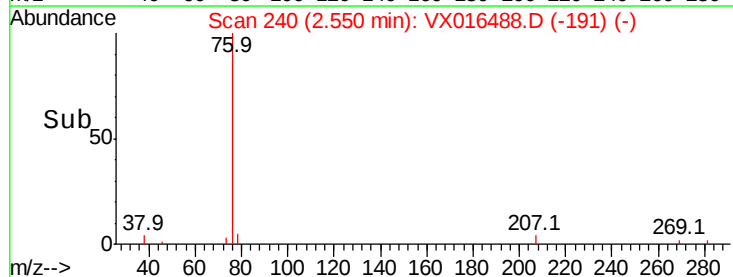
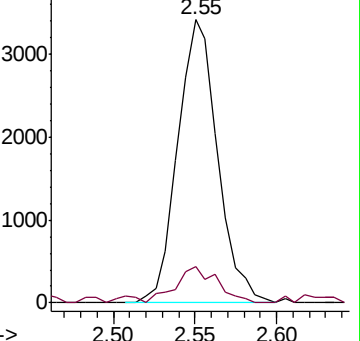
76 100

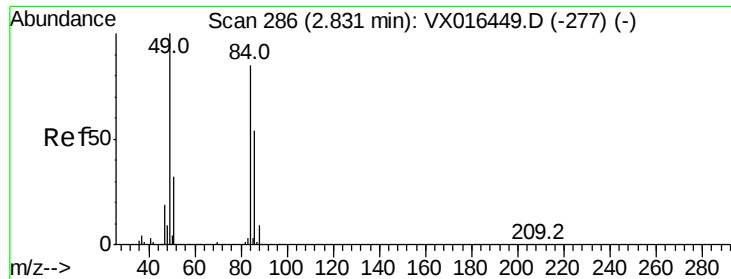
78 12.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#20

Methylene Chloride

Concen: 0.273 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200526

Tot Ion: 84 Resp: 875

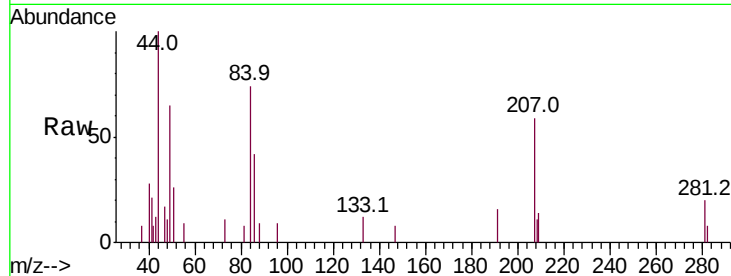
Ion Ratio Lower Upper

84 100

49 88.2 94.5 141.7#

51 35.3 30.2 45.4

86 56.3 51.1 76.7

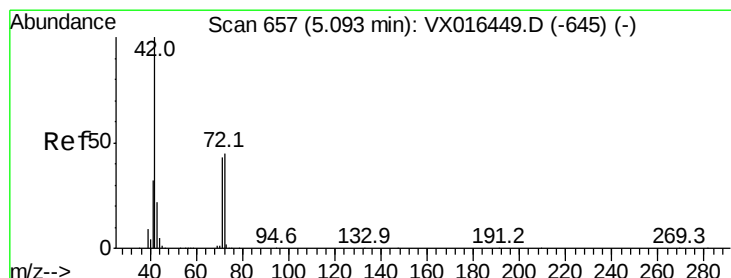
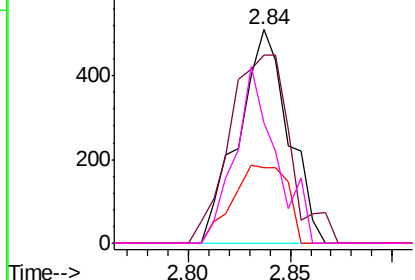
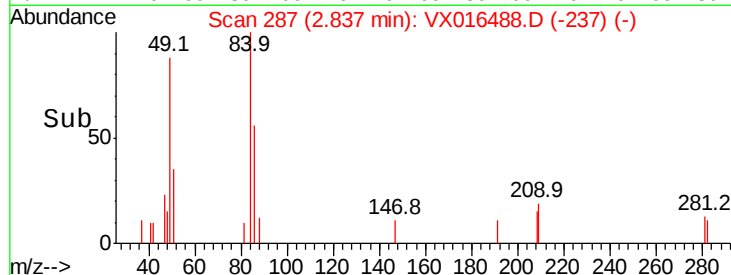


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.12 min Scan# 661

Delta R.T. 0.02 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

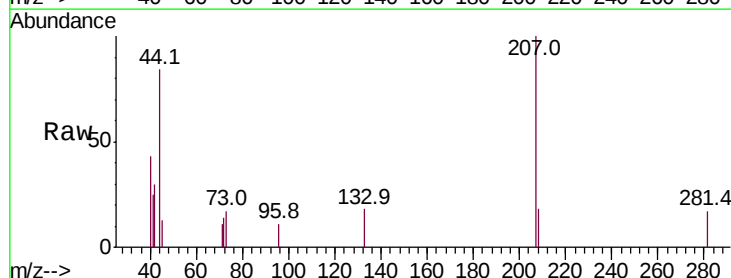
Tgt Ion: 42 Resp: 358

Ion Ratio Lower Upper

42 100

72 18.2 37.0 55.4#

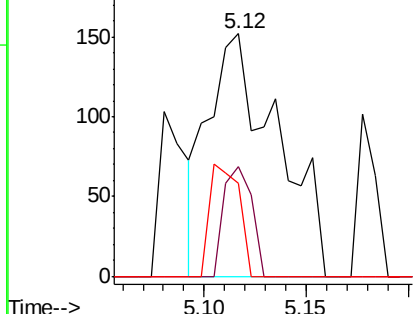
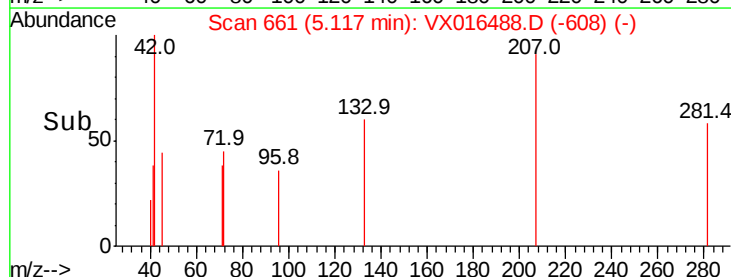
71 19.8 34.1 51.1#

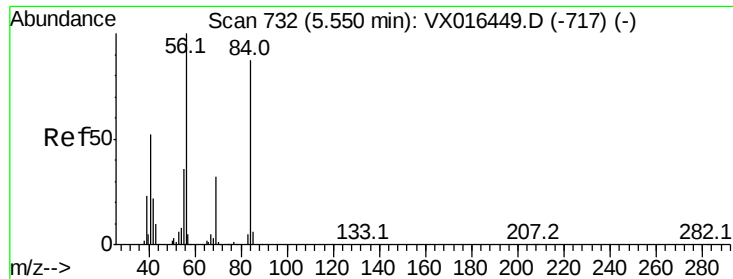


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

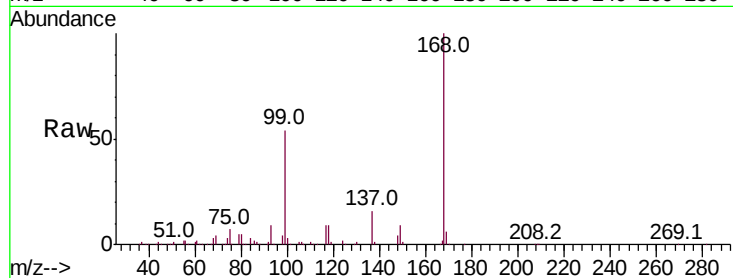




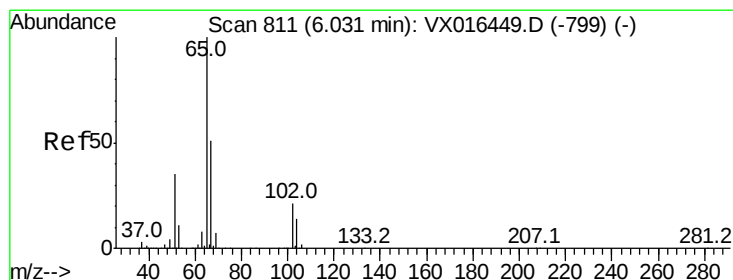
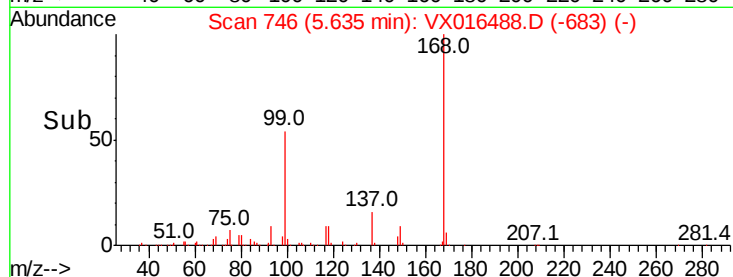
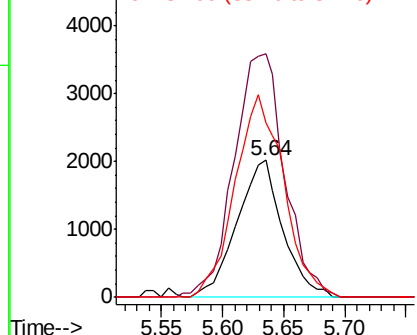
#31
Cvclohexane
Concen: 1.070 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016488.D
Acq: 28 May 2020 16:17

Instrument :
MSVOA_X
ClientSampleId :
TB-01-200526

Tot Ion: 56 Resp: 5263
Ion Ratio Lower Upper
56 100
69 178.0 25.7 38.5#
84 127.7 70.0 105.0#

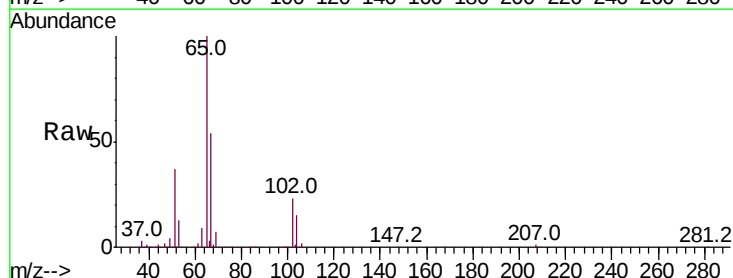


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

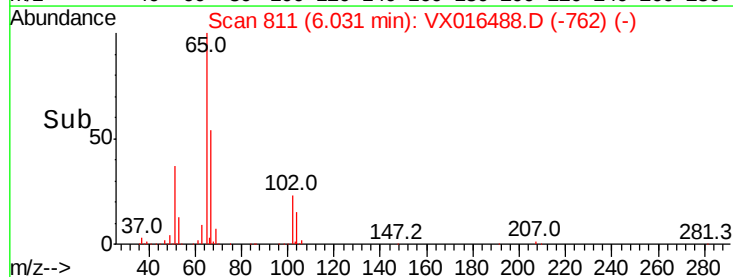
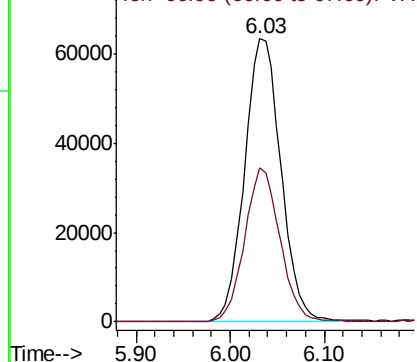


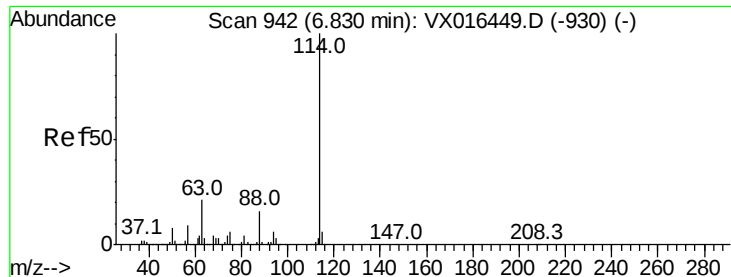
#33
1,2-Dichloroethane-d4
Concen: 48.469 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016488.D
Acq: 28 May 2020 16:17

Tgt Ion: 65 Resp: 171509
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

TB-01-200526

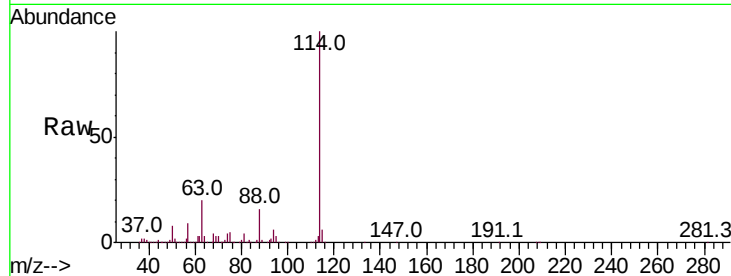
Tot Ion:114 Resp: 455733

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

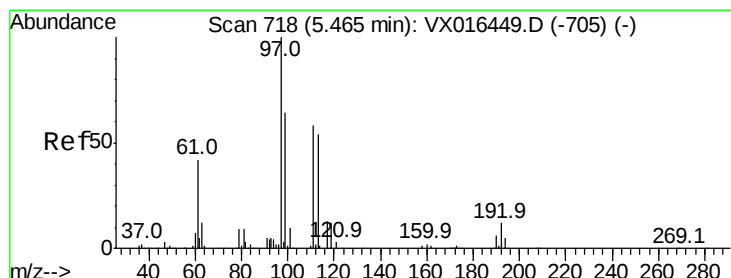
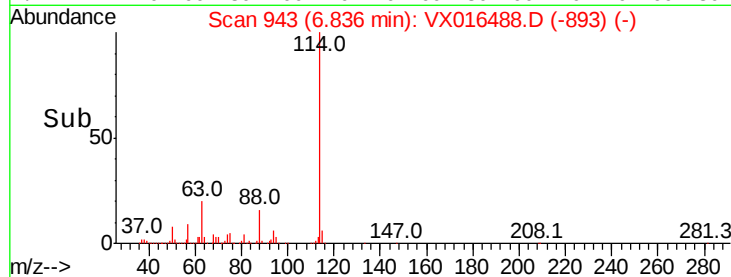
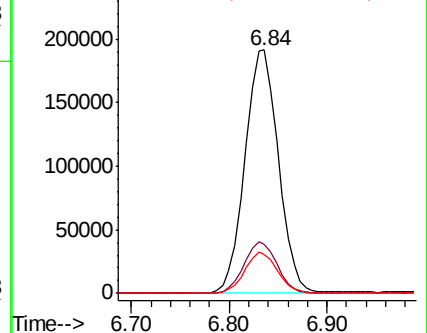
88 16.0 0.0 32.8



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: 47.482 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

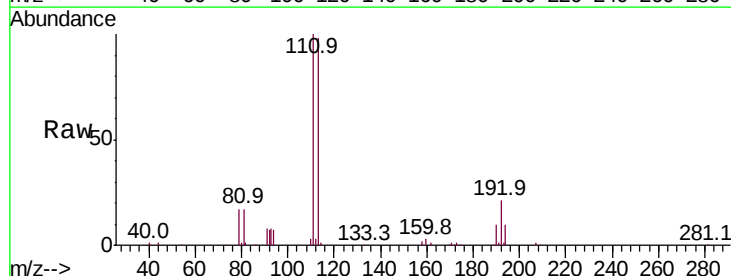
Tgt Ion:113 Resp: 133241

Ion Ratio Lower Upper

113 100

111 101.8 83.0 124.6

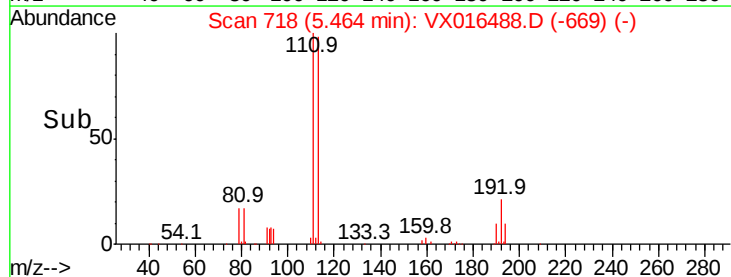
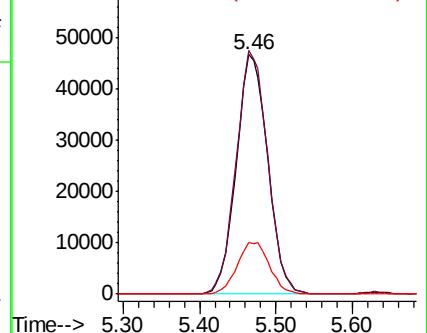
192 22.0 17.7 26.5

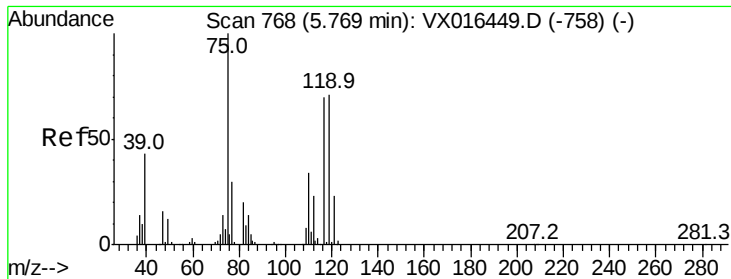


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

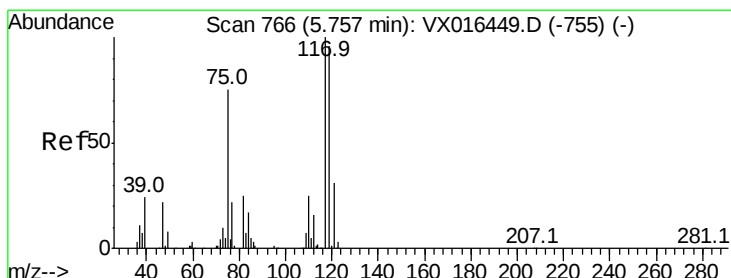
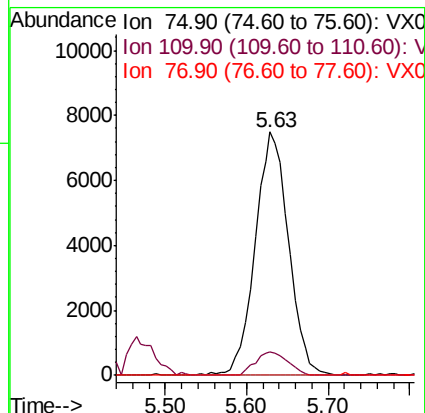
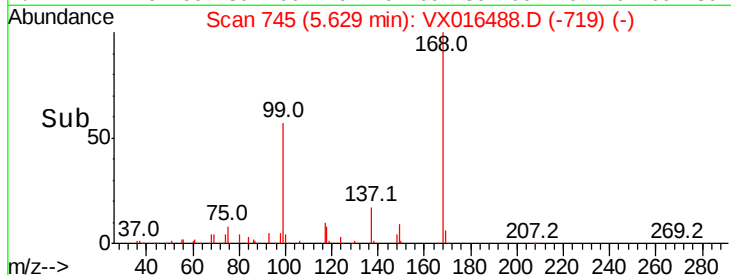
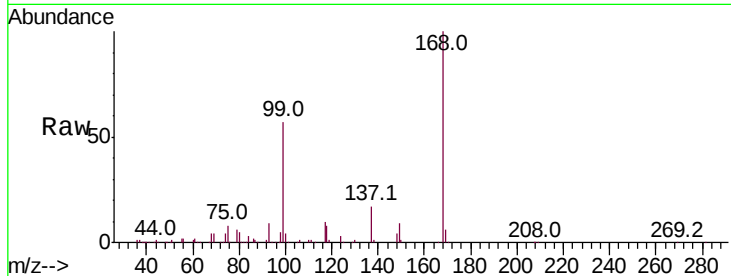




#36
 1,1-Dichloropropene
 Concen: 4.944 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016488.D
 Acq: 28 May 2020 16:17

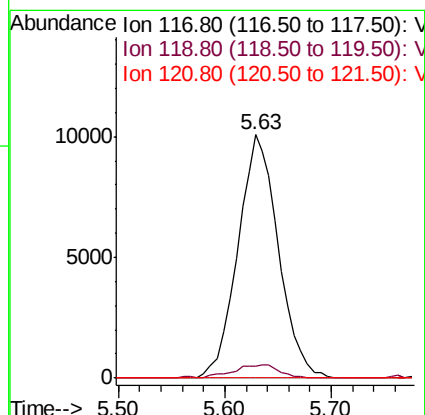
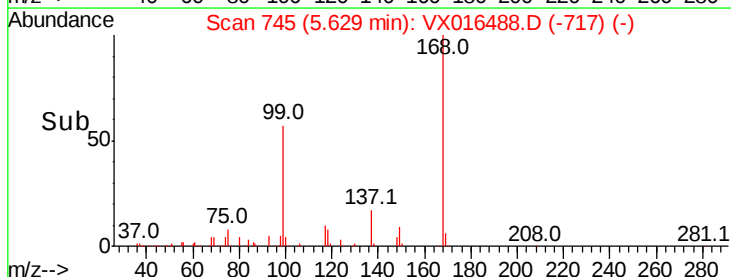
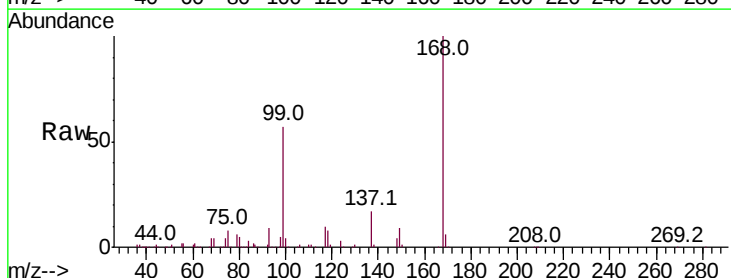
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-200526

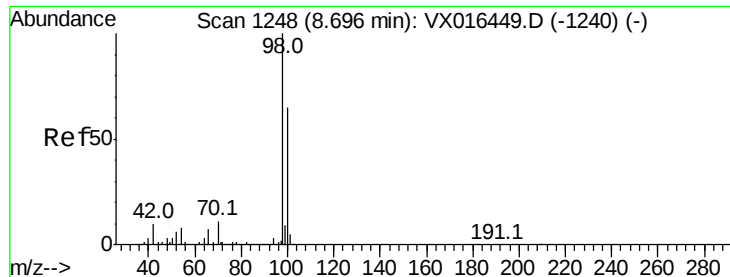
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.4	52.3#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 5.902 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX016488.D
 Acq: 28 May 2020 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.3	114.5#
121	0.0	24.6	37.0#





#50

Toluene-d8

Concen: 52.950 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

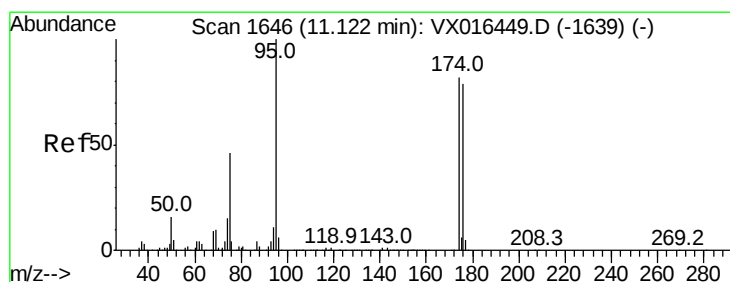
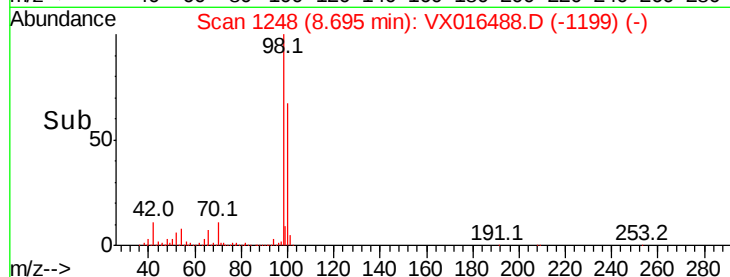
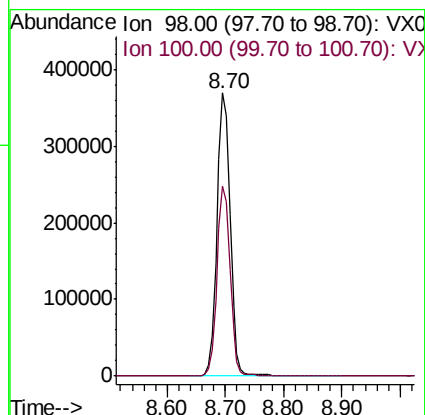
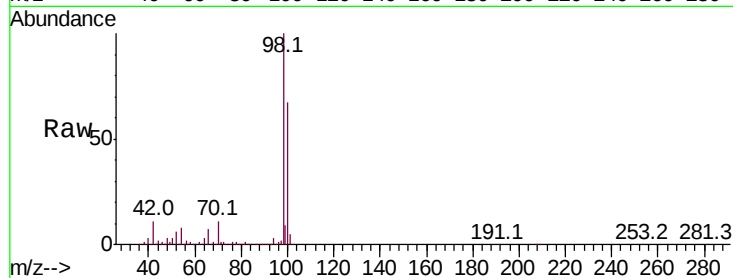
TB-01-200526

Tot Ion: 98 Resp: 578327

Ion Ratio Lower Upper

98 100

100 66.5 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 54.887 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

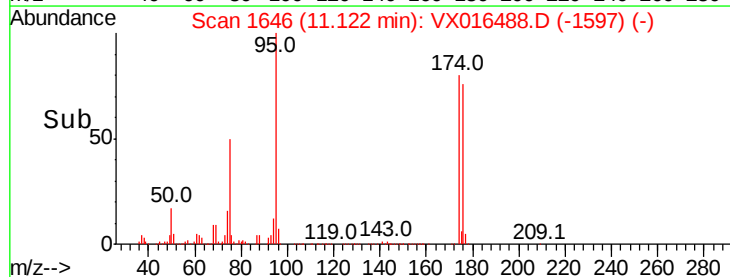
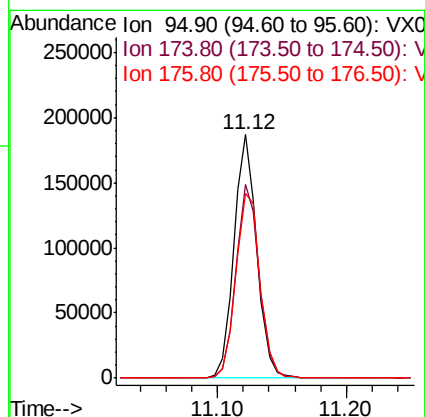
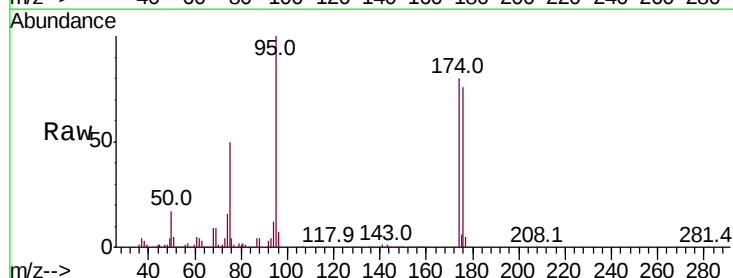
Tgt Ion: 95 Resp: 231640

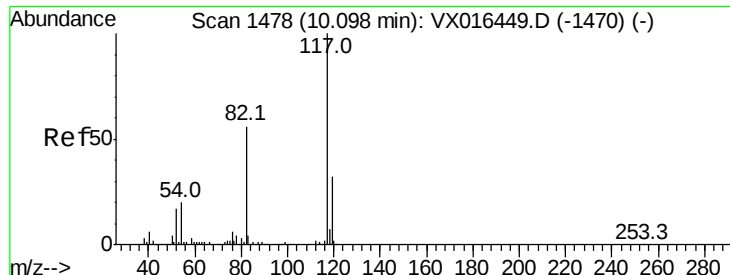
Ion Ratio Lower Upper

95 100

174 81.1 0.0 163.0

176 80.6 0.0 156.8

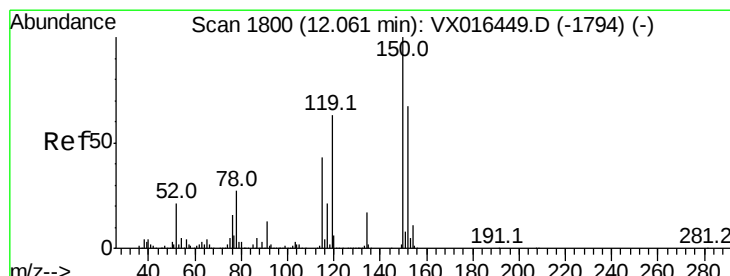
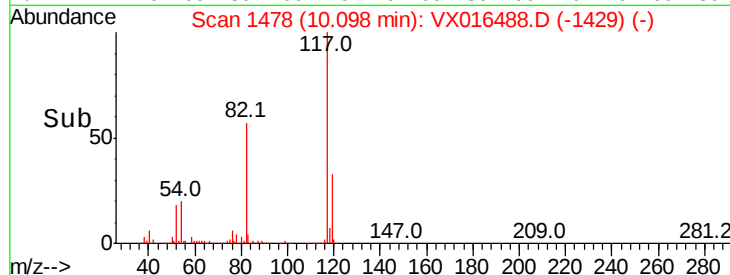
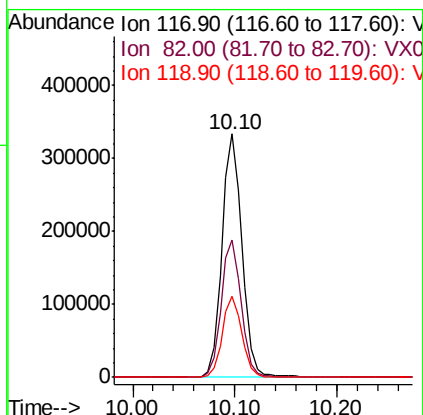
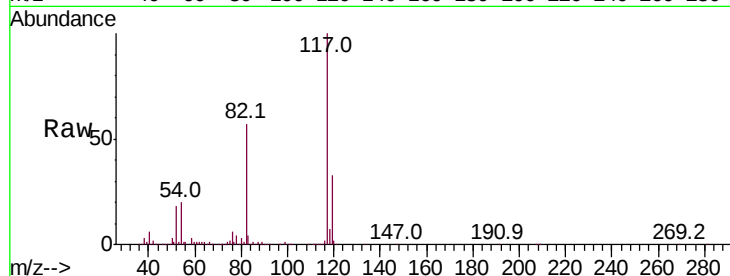




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016488.D
Acq: 28 May 2020 16:17

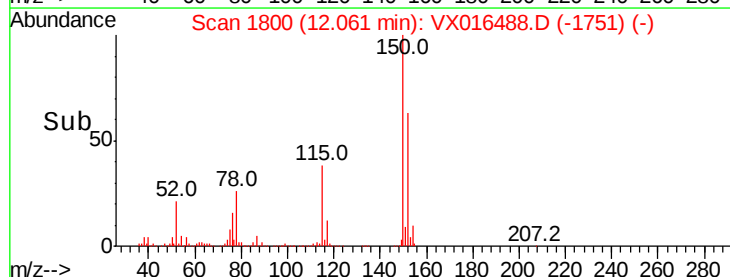
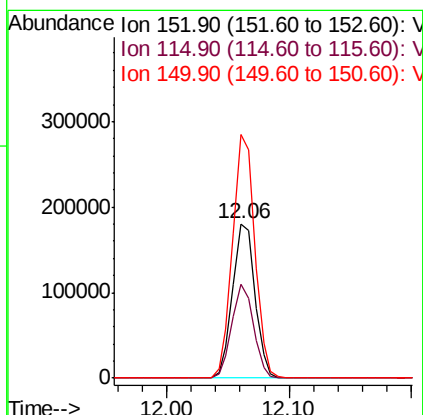
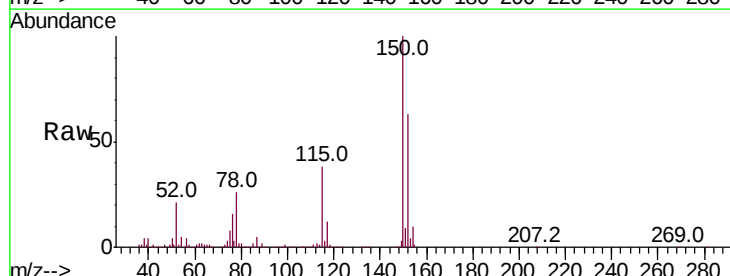
Instrument :
MSVOA_X
ClientSampleId :
TB-01-200526

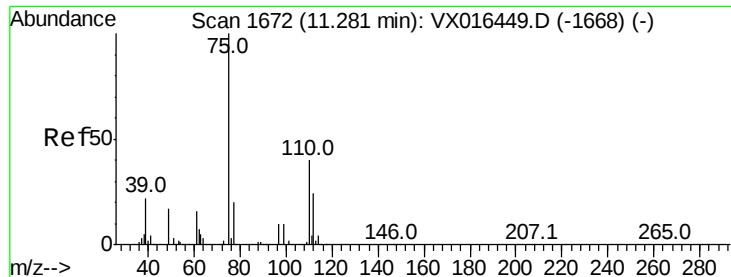
Tot Ion:117 Resp: 456959
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.6
119 33.1 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016488.D
Acq: 28 May 2020 16:17

Tgt Ion:152 Resp: 228032
Ion Ratio Lower Upper
152 100
115 59.1 39.9 119.6
150 156.0 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.972 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

Instrument :

MSVOA_X

ClientSampleId :

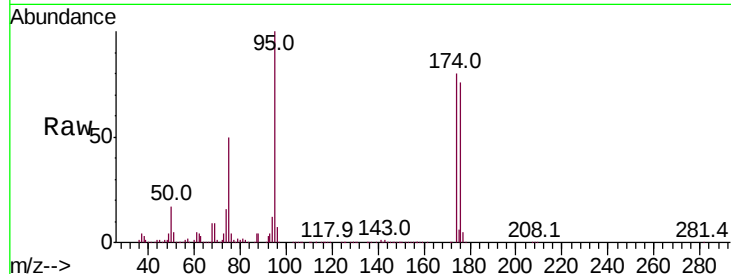
TB-01-200526

Tot Ion: 75 Resp: 115141

Ion Ratio Lower Upper

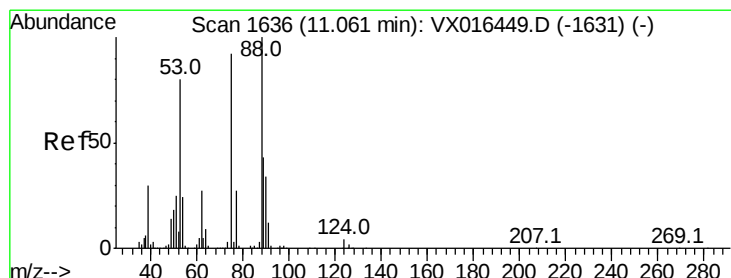
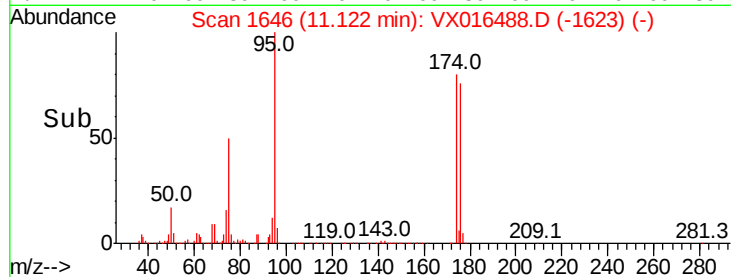
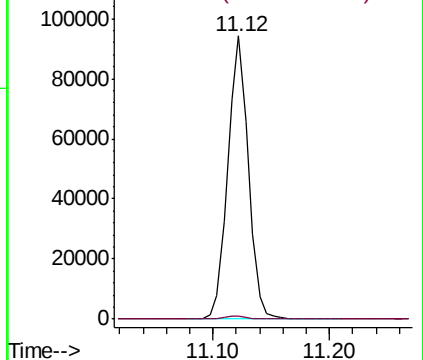
75 100

77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 56.507 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016488.D

Acq: 28 May 2020 16:17

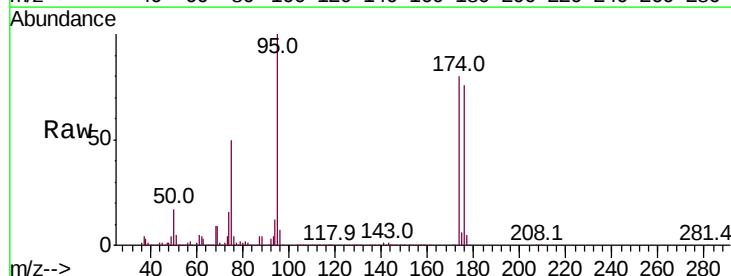
Tgt Ion: 75 Resp: 115141

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

