

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031620\
 Data File : VX015295.D
 Acq On : 16 Mar 2020 15:35
 Operator : JC/SP
 Sample : L1945-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20200312

Quant Time: Mar 17 07:42:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	302534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	498923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	491926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	251252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	172949	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
35) Dibromofluoromethane	5.48	113	149387	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
50) Toluene-d8	8.71	98	618694	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	227081	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	

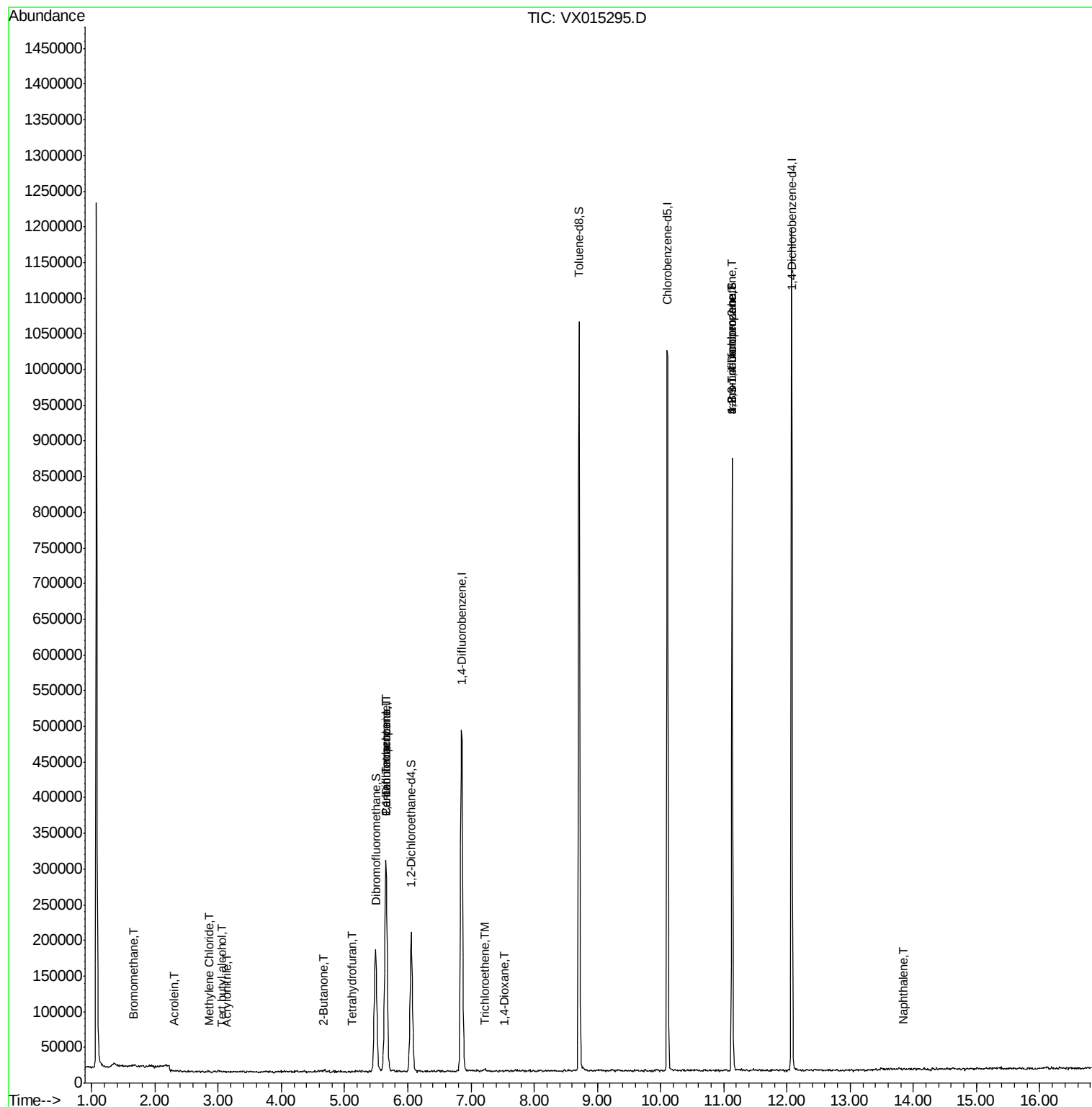
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	649	0.277	ug/l #	57
11) Tert butyl alcohol	3.06	59	134	0.215	ug/l #	1
13) Acrolein	2.31	56	190	0.325	ug/l #	15
15) Acrylonitrile	3.14	53	327	0.211	ug/l #	6
20) Methylene Chloride	2.86	84	964	0.283	ug/l #	84
25) 2-Butanone	4.66	43	482	0.227	ug/l #	41
29) Tetrahydrofuran	5.11	42	443	0.323	ug/l #	61
36) 1,1-Dichloropropene	5.65	75	20585	4.463	ug/l #	51
38) Carbon Tetrachloride	5.65	117	26607	6.111	ug/l #	16
44) Trichloroethene	7.22	130	1606	0.421	ug/l	56
49) 1,4-Dioxane	7.52	88	313	3.779	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	107633	21.476	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	107633	60.950	ug/l #	11
95) Naphthalene	13.83	128	573	1.453	ug/l #	68

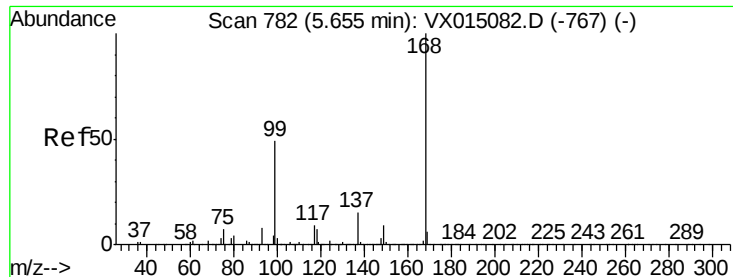
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031620\
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Quant Time: Mar 17 07:42:01 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

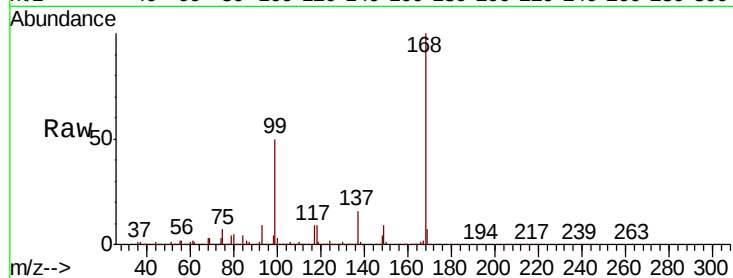
TB-20200312

Tot Ion:168 Resp: 302534

Ion Ratio Lower Upper

168 100

99 50.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

60000

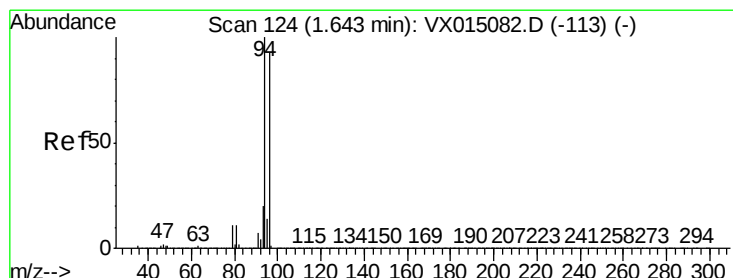
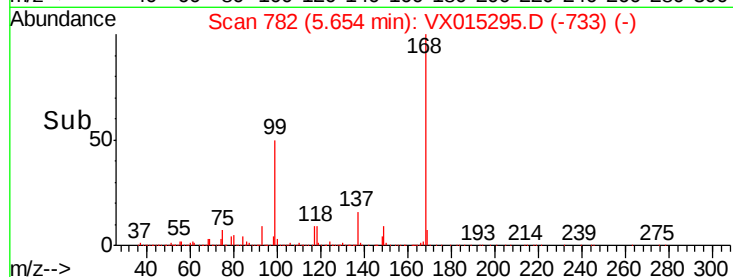
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.277 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.01 min

Lab File: VX015295.D

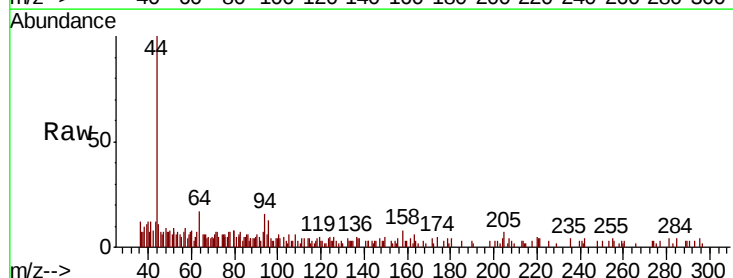
Acq: 16 Mar 2020 15:35

Tgt Ion: 94 Resp: 649

Ion Ratio Lower Upper

94 100

96 51.8 74.6 111.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

300

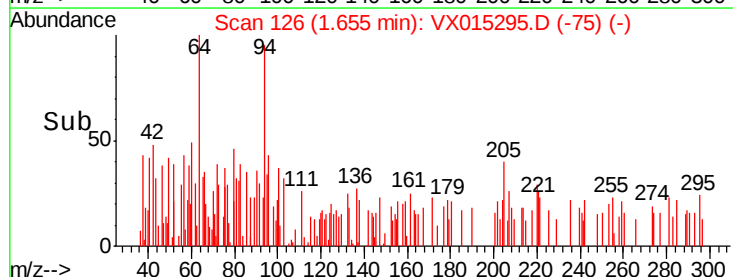
200

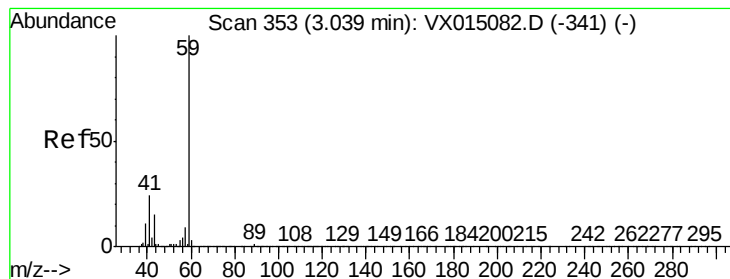
100

0

Time-->

1.65 1.70



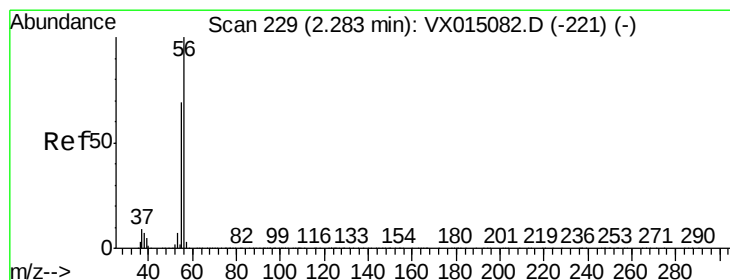
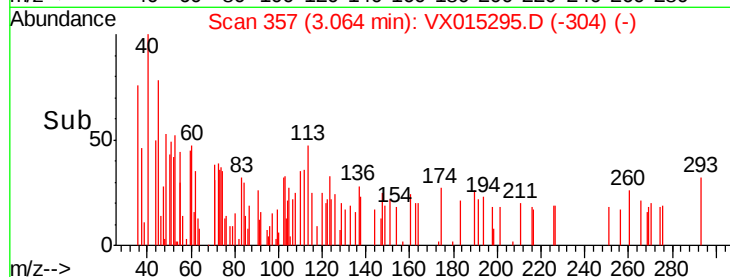
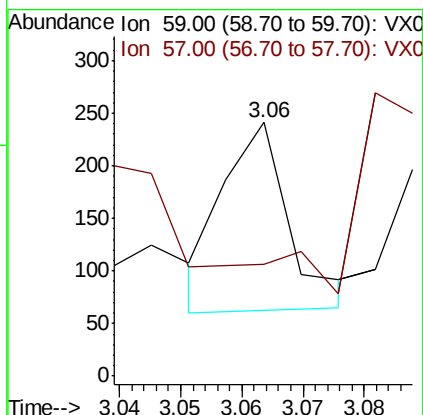
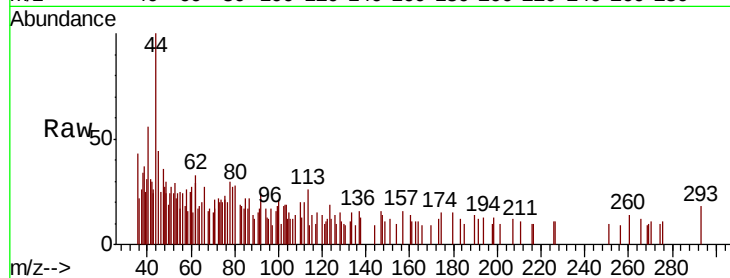


#11

Tert butyl alcohol
 Concen: 0.215 ug/l
 RT: 3.06 min Scan# 357
 Delta R.T. 0.02 min
 Lab File: VX015295.D
 Acq: 16 Mar 2020 15:35

Instrument :
 MSVOA_X
 ClientSampled :
 TB-20200312

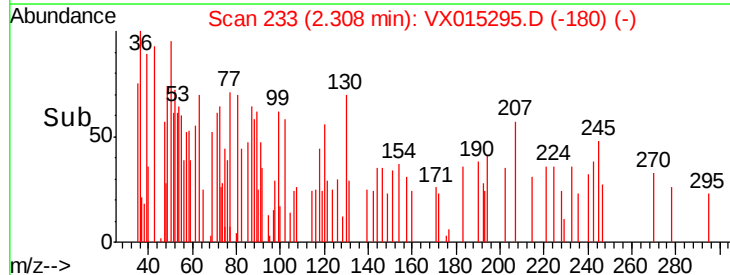
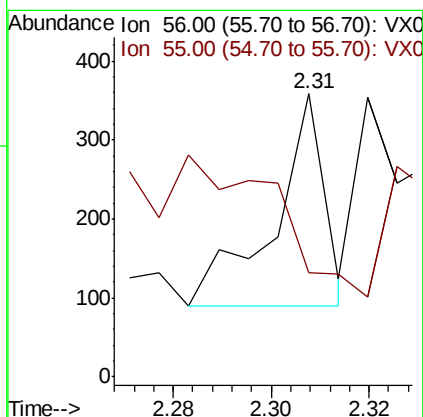
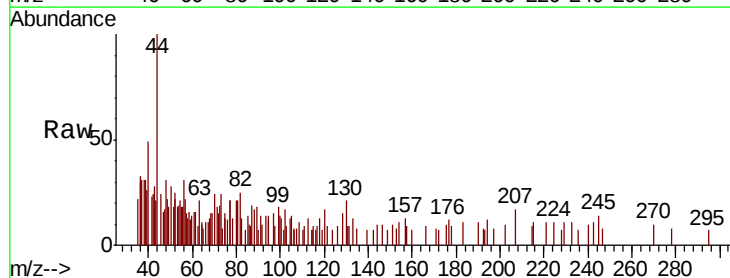
Tot Ion: 59 Resp: 134
 Ion Ratio Lower Upper
 59 100
 57 81.3 8.2 12.4#

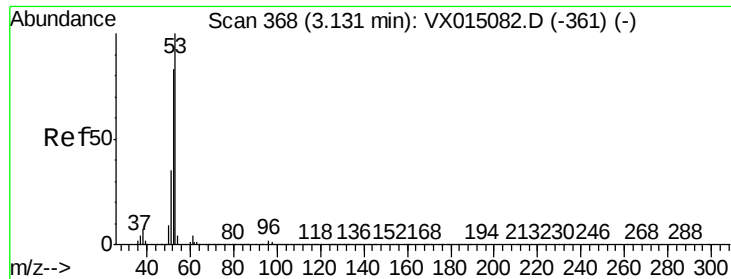


#13

Acrolein
 Concen: 0.325 ug/l
 RT: 2.31 min Scan# 233
 Delta R.T. 0.02 min
 Lab File: VX015295.D
 Acq: 16 Mar 2020 15:35

Tgt Ion: 56 Resp: 190
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.4 83.0#





#15

Acrylonitrile

Concen: 0.211 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampled :

TB-20200312

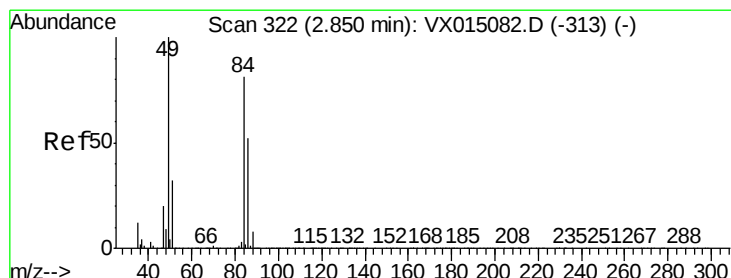
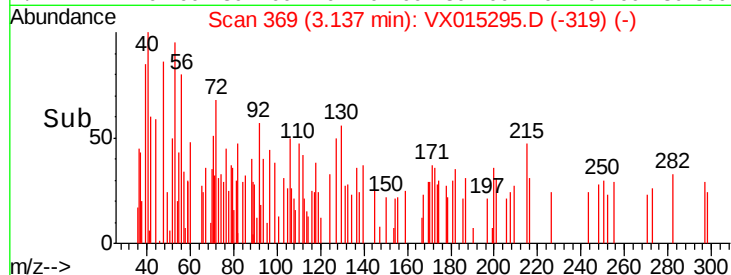
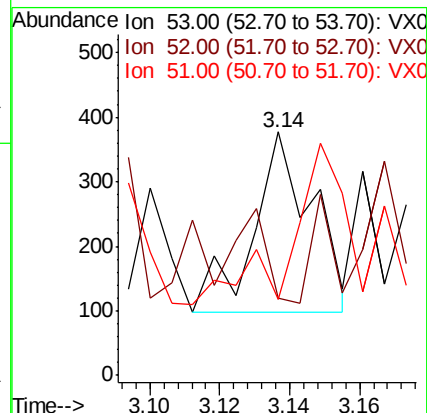
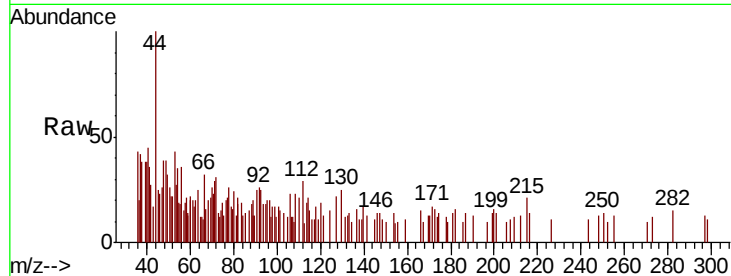
Tot Ion: 53 Resp: 327

Ion Ratio Lower Upper

53 100

52 20.5 66.6 100.0#

51 125.1 29.0 43.6#



#20

Methylene Chloride

Concen: 0.283 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Tgt Ion: 84 Resp: 964

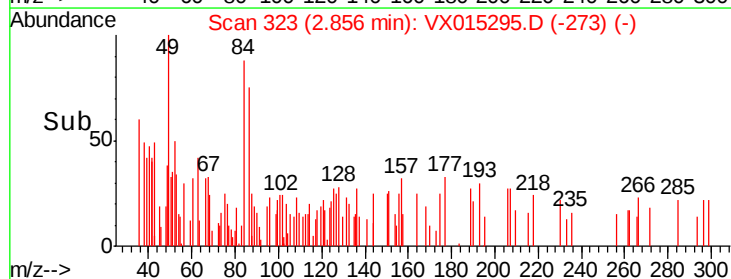
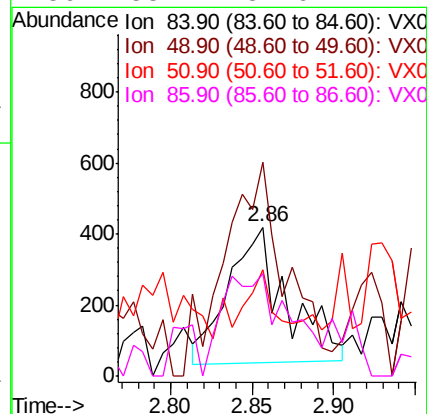
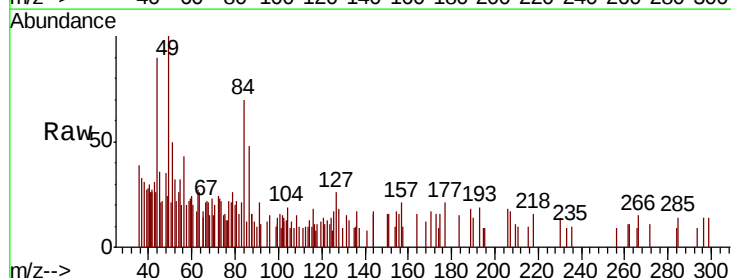
Ion Ratio Lower Upper

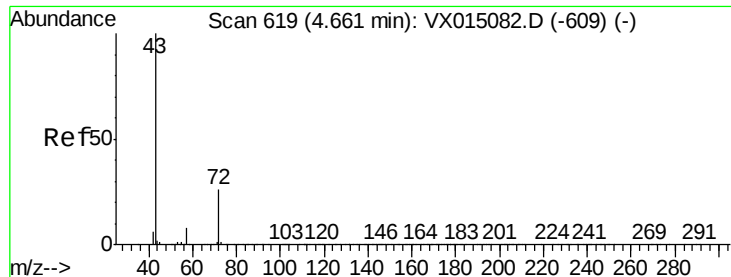
84 100

49 150.9 99.4 149.2#

51 34.3 31.5 47.3

86 58.7 51.6 77.4





#25

2-Butanone

Concen: 0.227 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampled :

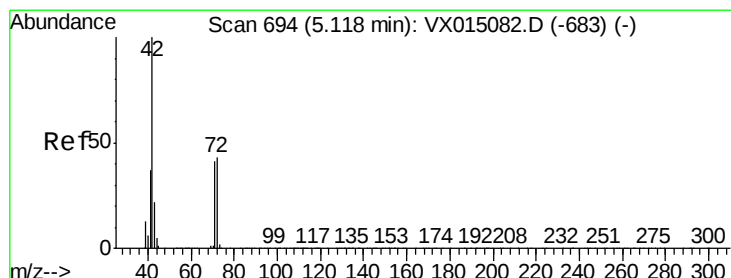
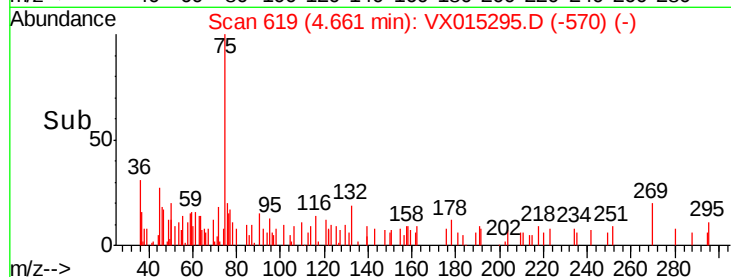
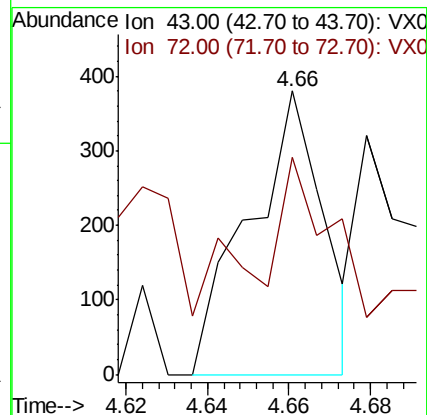
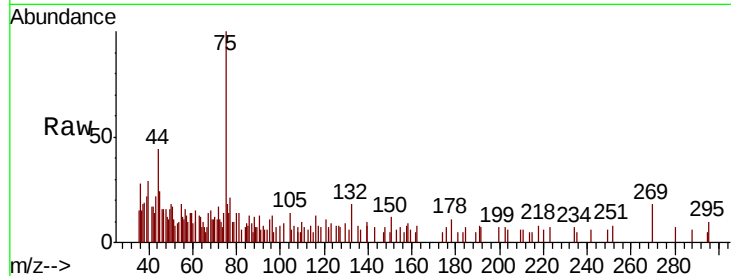
TB-20200312

Tot Ion: 43 Resp: 482

Ion Ratio Lower Upper

43 100

72 55.8 20.6 30.8#



#29

Tetrahydrofuran

Concen: 0.323 ug/l

RT: 5.11 min Scan# 693

Delta R.T. -0.01 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

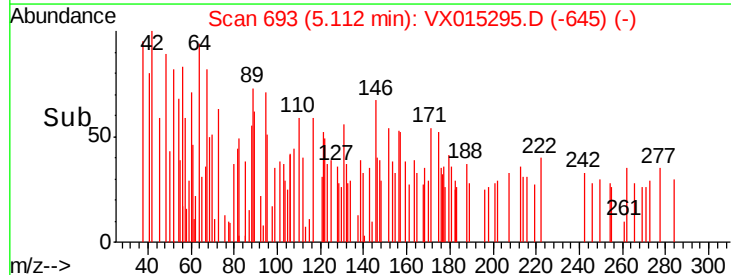
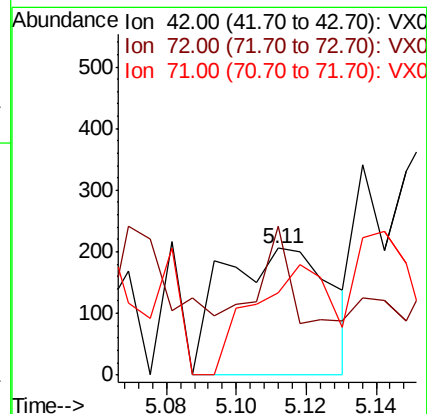
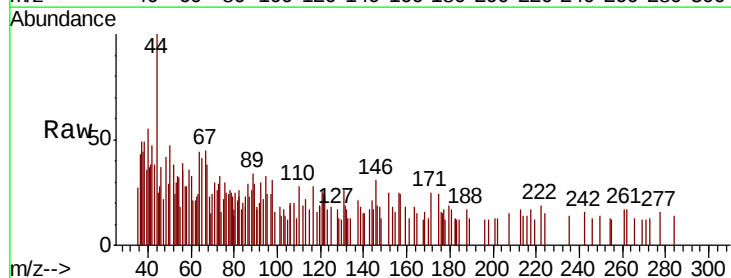
Tgt Ion: 42 Resp: 443

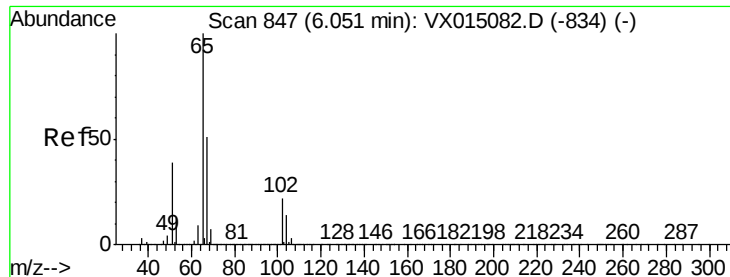
Ion Ratio Lower Upper

42 100

72 17.2 36.4 54.6#

71 63.4 33.3 49.9#





#33

1,2-Dichloroethane-d4

Concen: 48.186 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

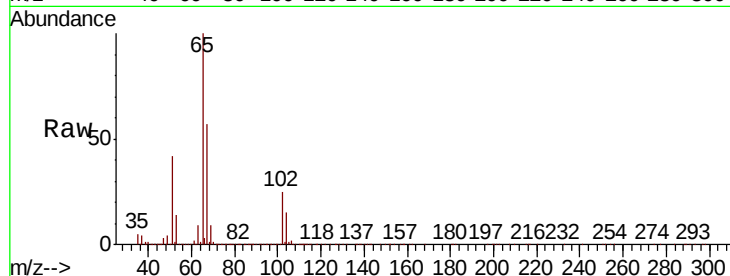
TB-20200312

Tot Ion: 65 Resp: 172949

Ion Ratio Lower Upper

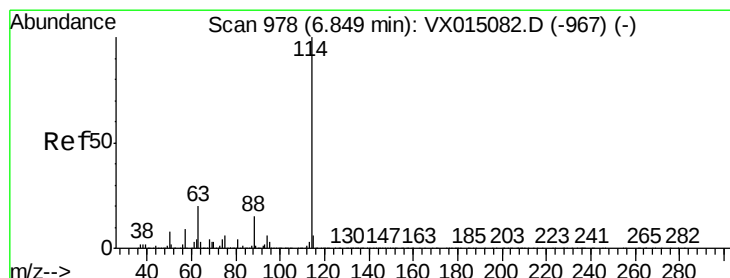
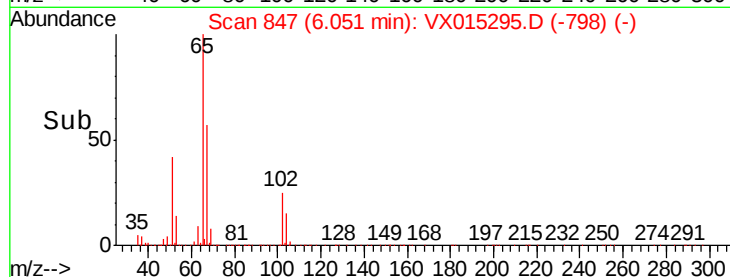
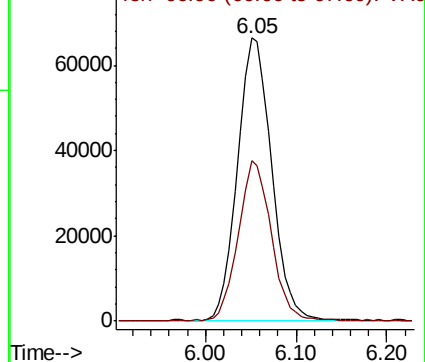
65 100

67 54.7 0.0 105.6



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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

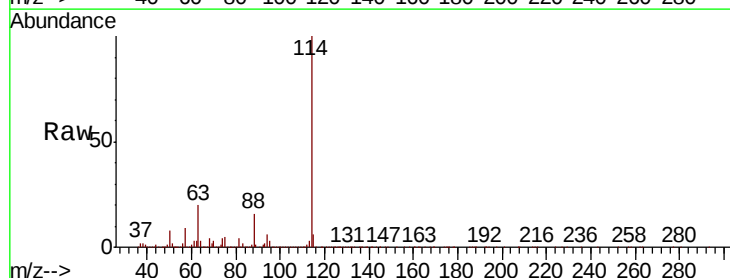
Tgt Ion: 114 Resp: 498923

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

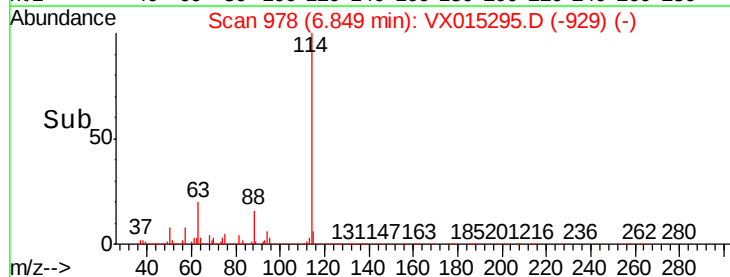
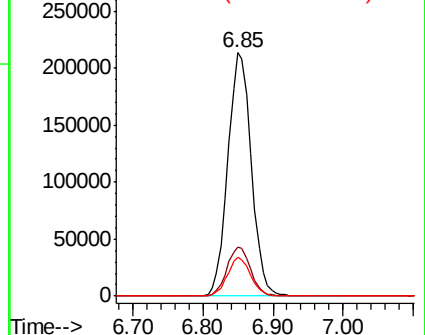
88 15.7 0.0 30.6

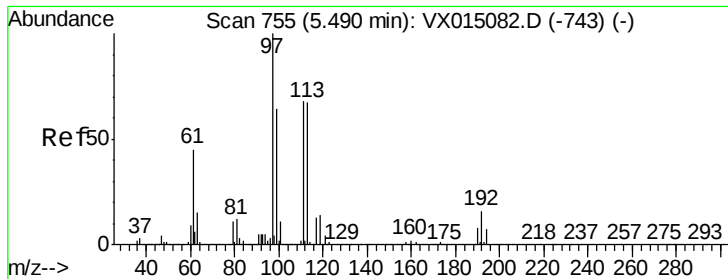


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

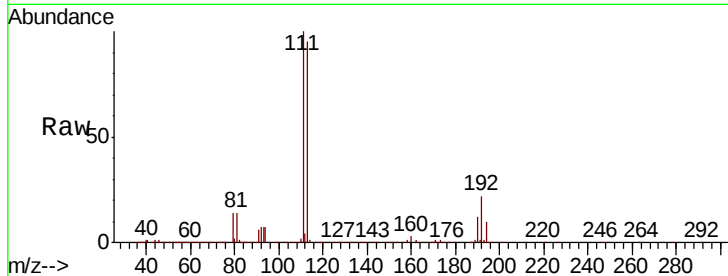




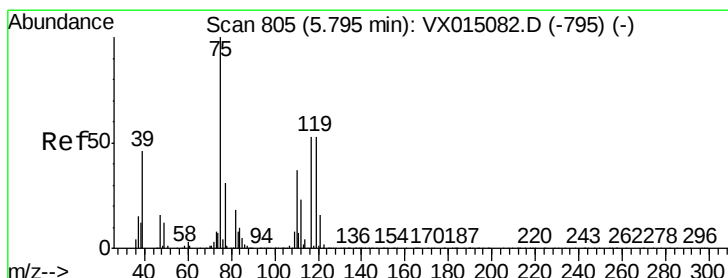
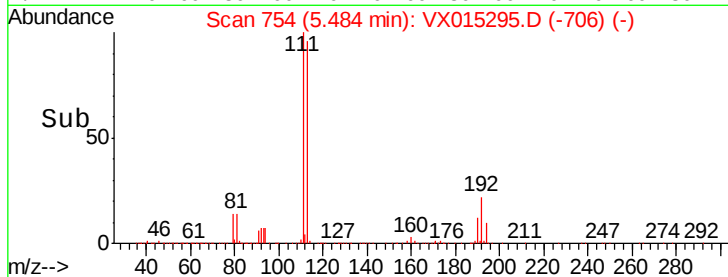
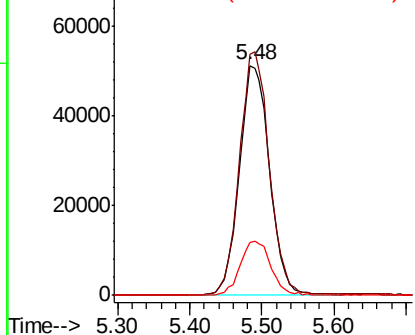
#35
 Dibromofluoromethane
 Concen: 47.461 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: VX015295.D
 Acq: 16 Mar 2020 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20200312

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	123.8
192	24.1	18.6	28.0

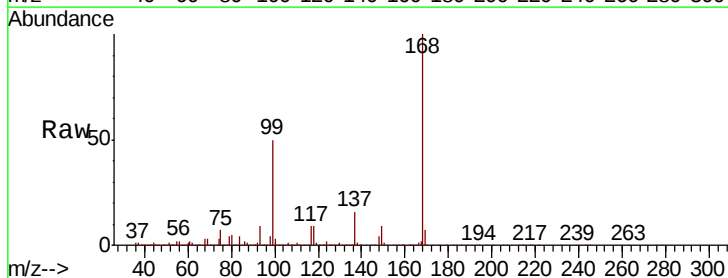


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

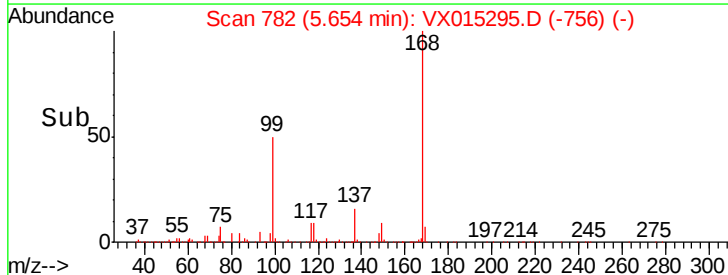
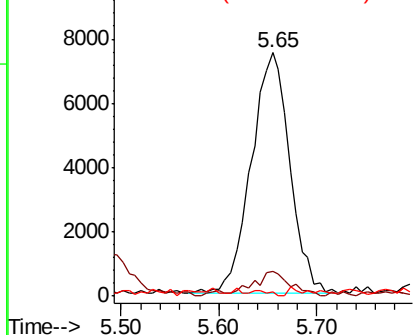


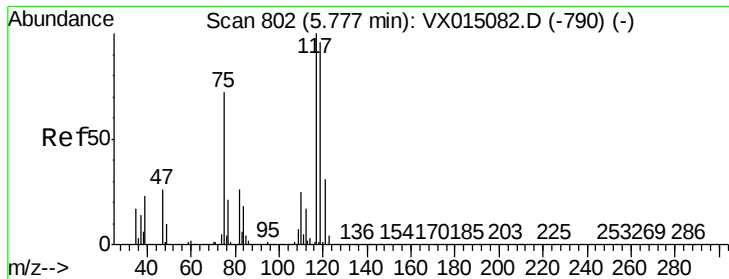
#36
 1,1-Dichloropropene
 Concen: 4.463 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015295.D
 Acq: 16 Mar 2020 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	17.9	53.8#
77	1.0	24.8	37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.111 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampled :

TB-20200312

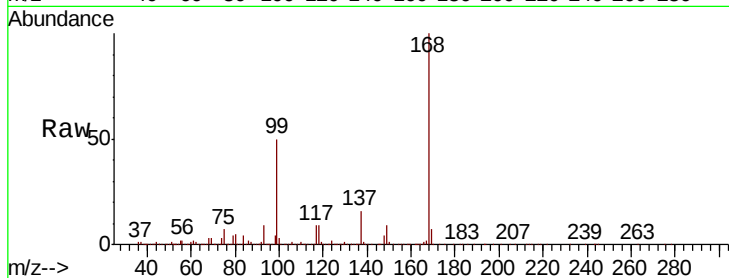
Tot Ion:117 Resp: 26607

Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

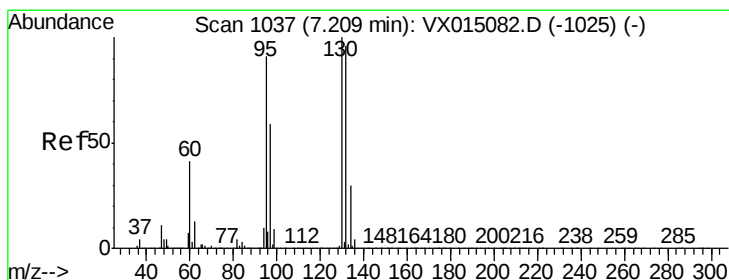
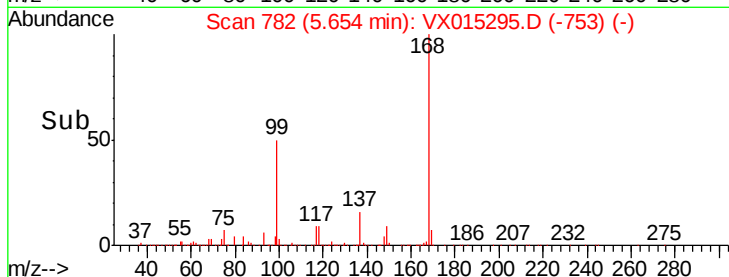
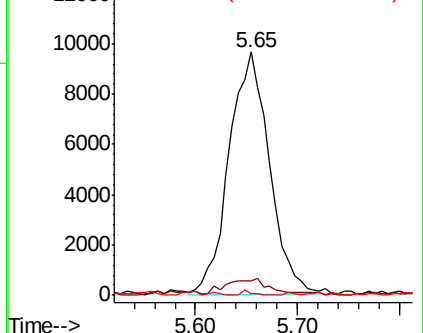
121 0.1 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.421 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX015295.D

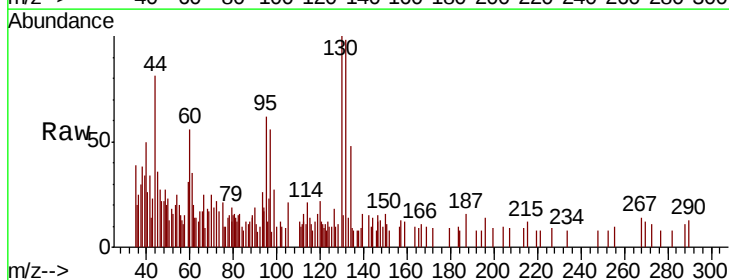
Acq: 16 Mar 2020 15:35

Tgt Ion:130 Resp: 1606

Ion Ratio Lower Upper

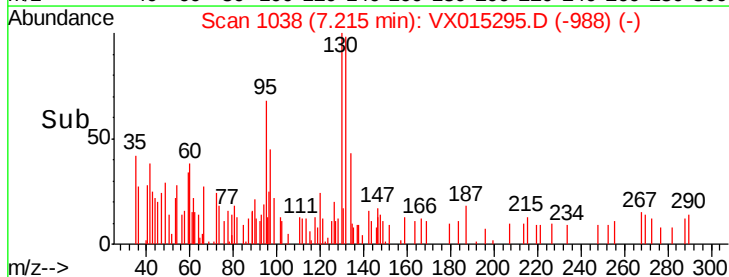
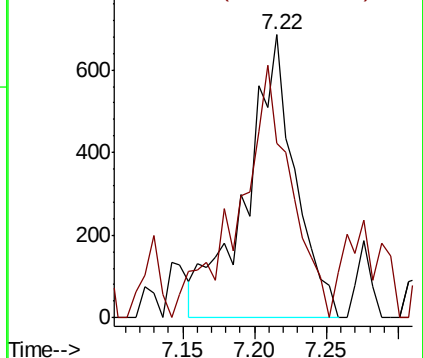
130 100

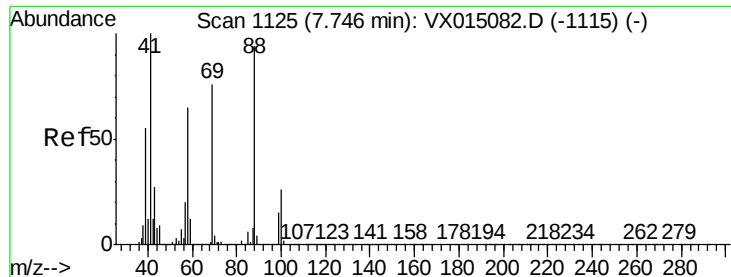
95 48.7 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

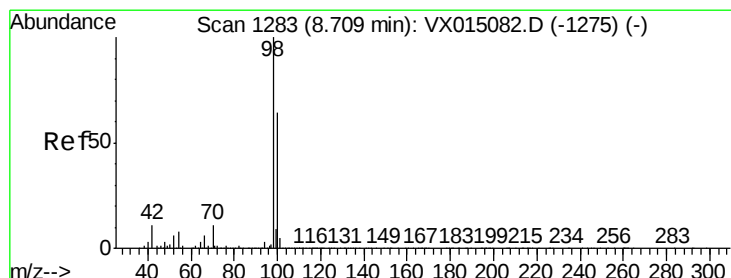
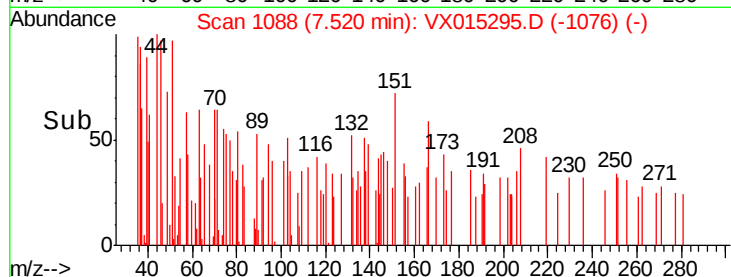
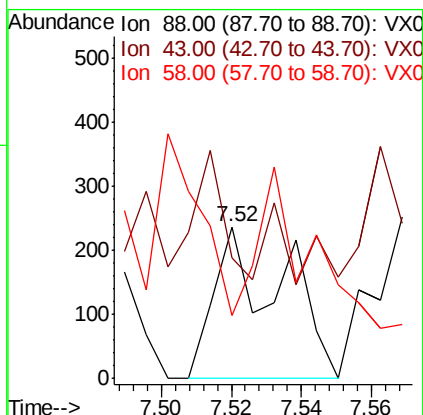
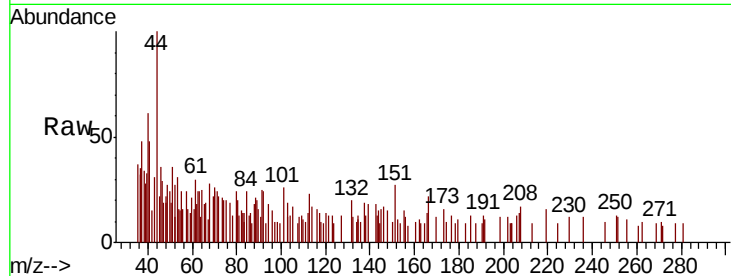




#49
1,4-Dioxane
Concen: 3.779 ug/l
RT: 7.52 min Scan# 1088
Delta R.T. -0.23 min
Lab File: VX015295.D
Acq: 16 Mar 2020 15:35

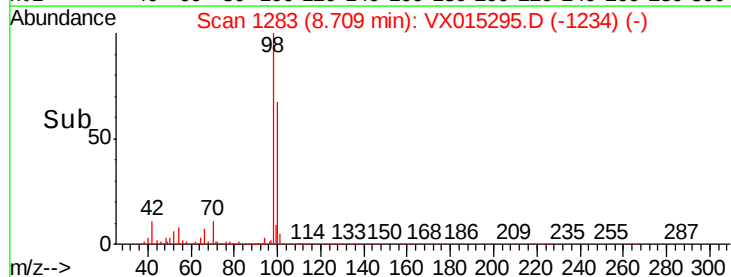
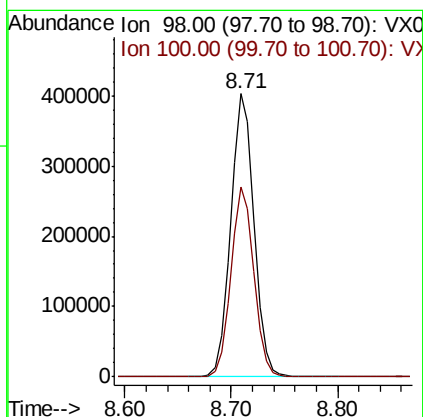
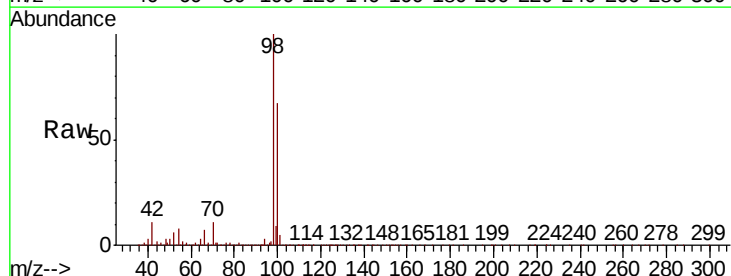
Instrument :
MSVOA_X
ClientSampleId :
TB-20200312

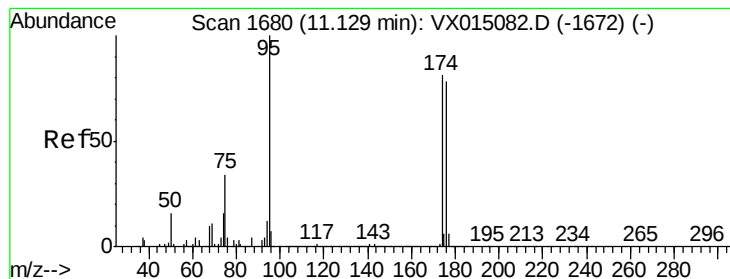
Tot Ion: 88 Resp: 313
Ion Ratio Lower Upper
88 100
43 36.4 27.0 40.4
58 78.6 55.6 83.4



#50
Toluene-d8
Concen: 51.675 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX015295.D
Acq: 16 Mar 2020 15:35

Tgt Ion: 98 Resp: 618694
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 53.173 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

TB-20200312

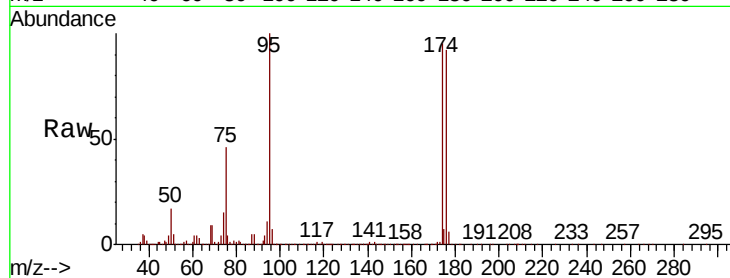
Tot Ion: 95 Resp: 227081

Ion Ratio Lower Upper

95 100

174 89.4 0.0 177.6

176 86.7 0.0 170.2

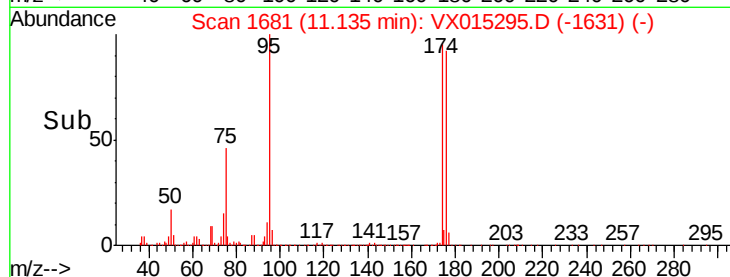


Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)

Time-->

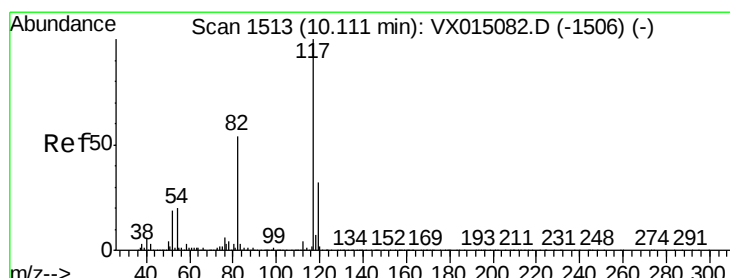


Abundance Ion 94.90 (94.60 to 95.60): VX015295.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX015295.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX015295.D (-1631) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

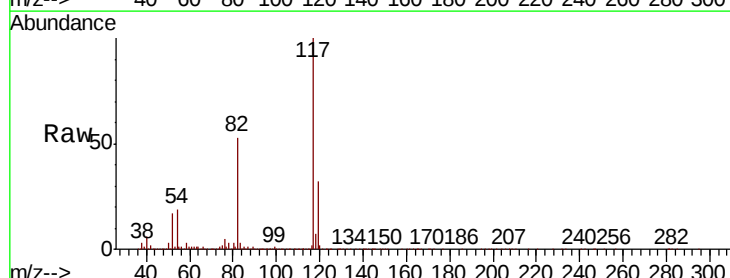
Tgt Ion: 117 Resp: 491926

Ion Ratio Lower Upper

117 100

82 52.9 43.3 64.9

119 32.0 25.8 38.8

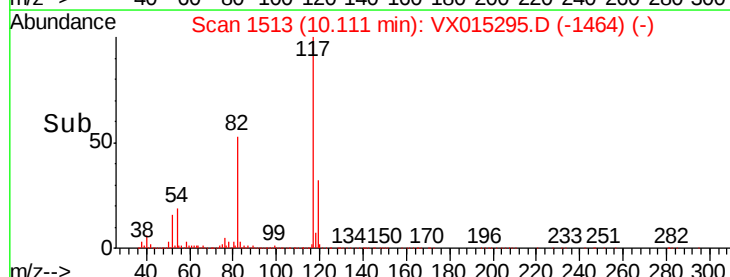


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.D (-1506) (-)

Time-->

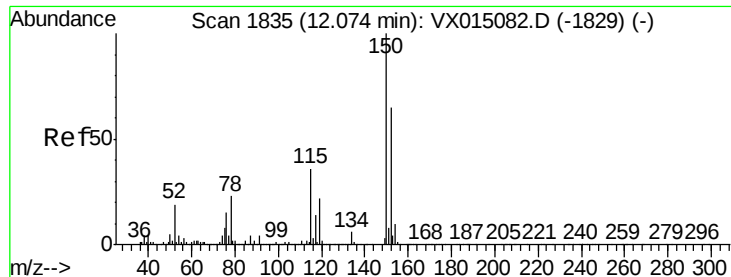


Abundance Ion 116.90 (116.60 to 117.60): VX015295.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX015295.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX015295.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

TB-20200312

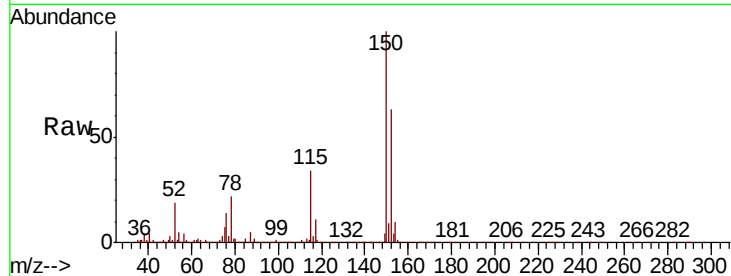
Tot Ion:152 Resp: 251252

Ion Ratio Lower Upper

152 100

115 55.5 38.2 114.6

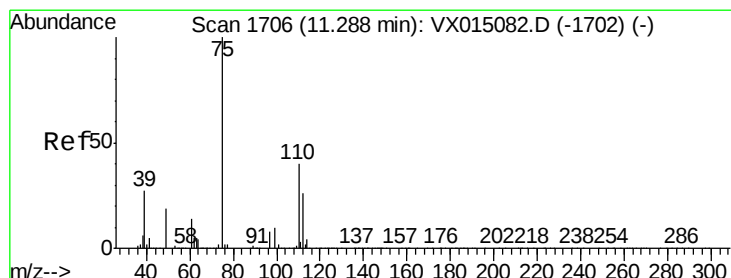
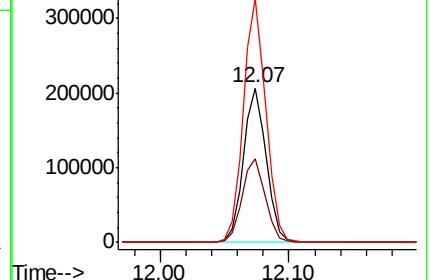
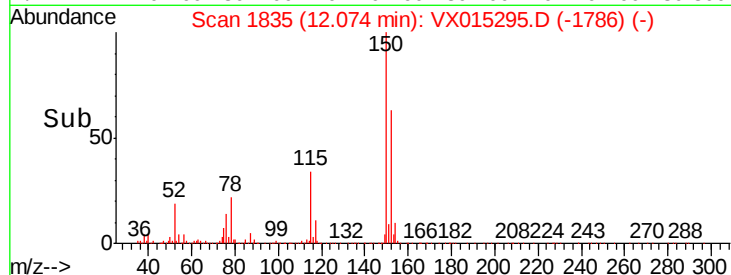
150 156.8 0.0 343.8



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: 21.476 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015295.D

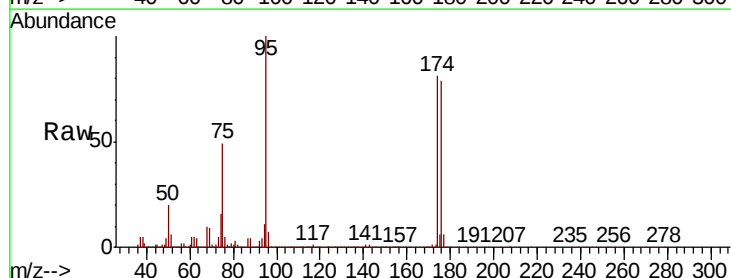
Acq: 16 Mar 2020 15:35

Tgt Ion: 75 Resp: 107633

Ion Ratio Lower Upper

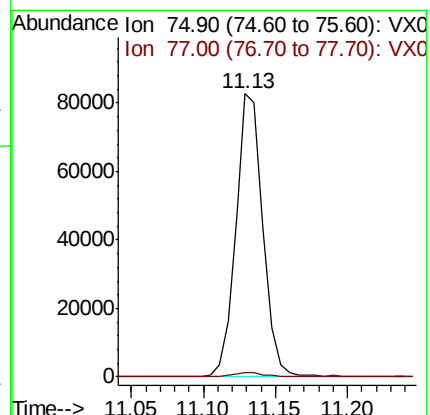
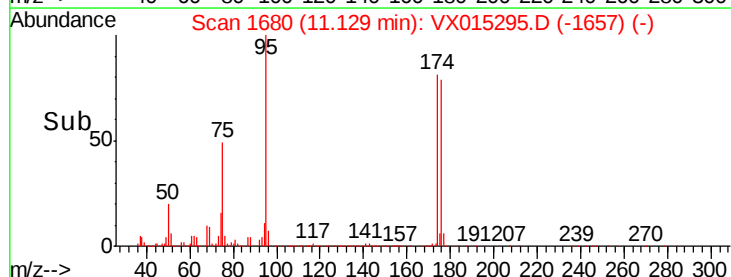
75 100

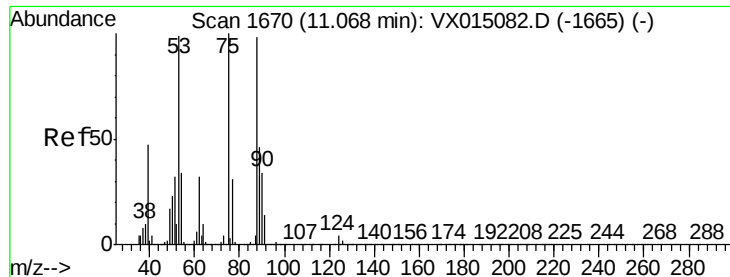
77 1.6 22.6 67.8#



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: 60.950 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

Instrument :

MSVOA_X

ClientSampleId :

TB-20200312

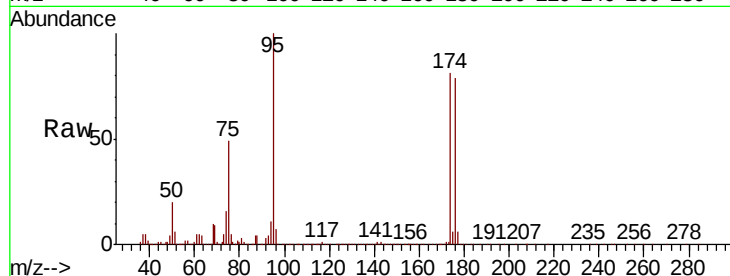
Tot Ion: 75 Resp: 107633

Ion Ratio Lower Upper

75 100

53 0.1 77.9 116.9#

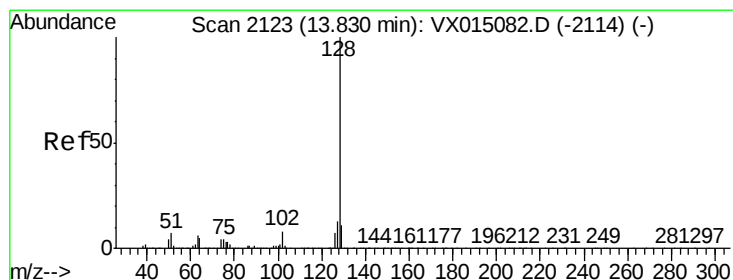
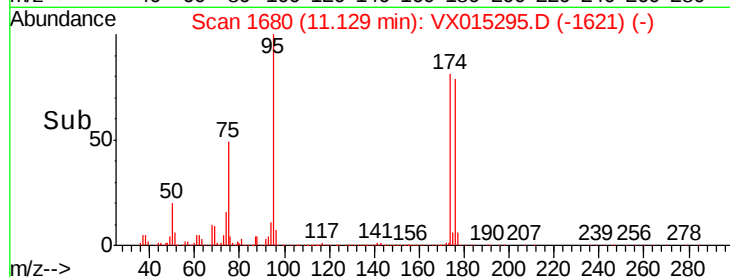
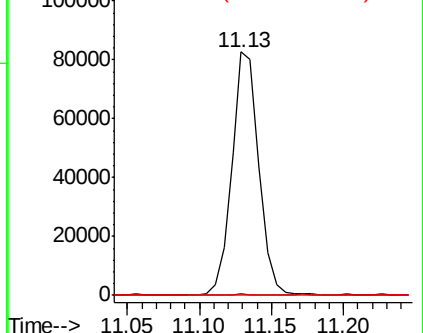
89 0.2 36.2 54.2#



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



#95

Naphthalene

Concen: 1.453 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX015295.D

Acq: 16 Mar 2020 15:35

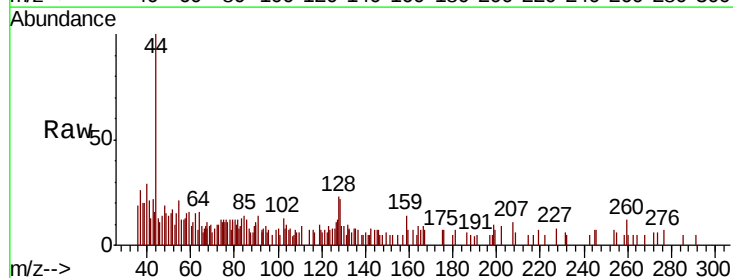
Tgt Ion: 128 Resp: 573

Ion Ratio Lower Upper

128 100

127 31.4 10.3 15.5#

129 5.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

