

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX022620\
 Data File : VX015008.D
 Acq On : 26 Feb 2020 10:28
 Operator : JC/SP
 Sample : L1683-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20200225

Quant Time: Feb 26 12:51:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	449199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	708087	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	664588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	332152	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	256493	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	5.49	113	217171	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	8.71	98	846828	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	307314	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	

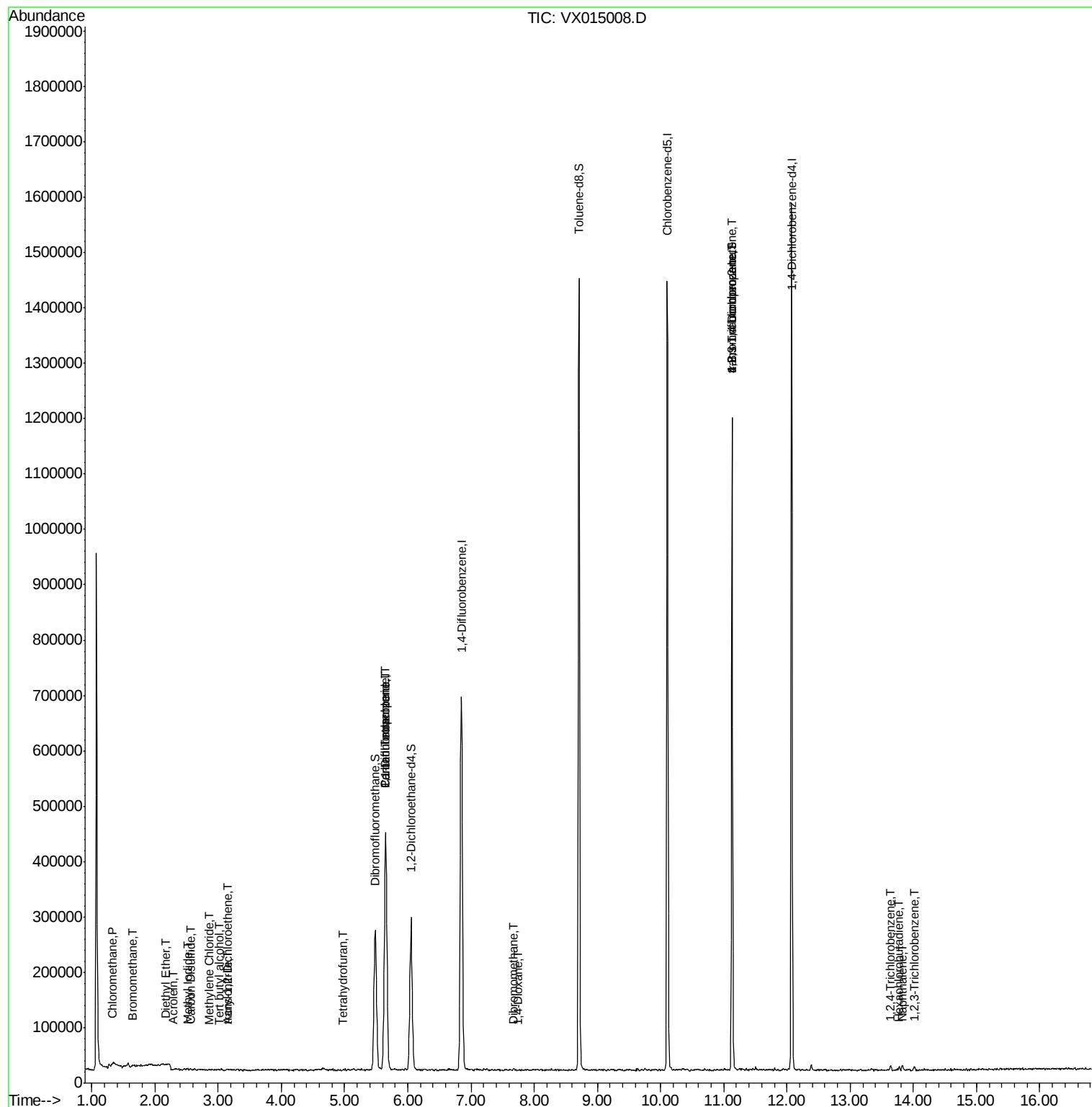
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1273	0.26	ug/l	89
5) Bromomethane	1.65	94	1690	0.50	ug/l	99
8) Diethyl Ether	2.17	74	718	0.24	ug/l	52
10) Methyl Iodide	2.52	142	2568	4.87	ug/l	93
11) Tert butyl alcohol	3.01	59	510	0.57	ug/l #	10
13) Acrolein	2.28	56	294	0.43	ug/l #	33
15) Acrylonitrile	3.14	53	1345	0.59	ug/l #	39
16) Acetone	2.44	43	976	Below Cal	#	45
17) Carbon Disulfide	2.56	76	2812	0.24	ug/l	98
20) Methylene Chloride	2.86	84	1158	0.24	ug/l #	47
21) trans-1,2-Dichloroethene	3.14	96	973	0.21	ug/l #	9
29) Tetrahydrofuran	4.98	42	436	0.22	ug/l	94
36) 1,1-Dichloropropene	5.64	75	30151	4.76	ug/l #	41
38) Carbon Tetrachloride	5.65	117	39765	6.44	ug/l #	16
46) Dibromomethane	7.68	93	757	0.23	ug/l #	49
49) 1,4-Dioxane	7.75	88	342	3.41	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	150259	25.02	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	150259	64.03	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.64	180	2398	0.32	ug/l	94
94) Hexachlorobutadiene	13.78	225	1080	0.30	ug/l	88
95) Naphthalene	13.83	128	5557	0.28	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.02	180	2197	0.30	ug/l	92

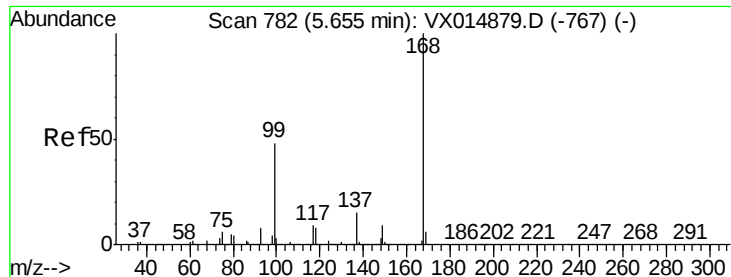
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX022620\
Data File : VX015008.D
Acq On : 26 Feb 2020 10:28
Operator : JC/SP
Sample : L1683-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
TB-01-20200225

Quant Time: Feb 26 12:51:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

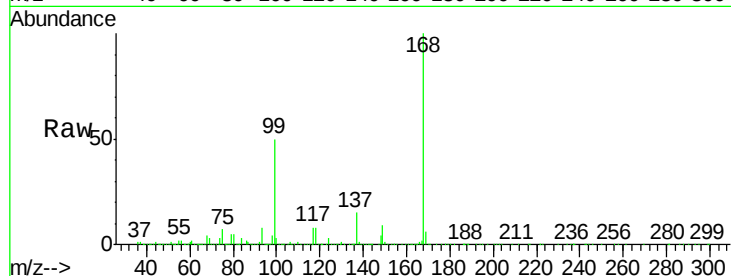
TB-01-20200225

Tgt Ion:168 Resp: 449199

Ion Ratio Lower Upper

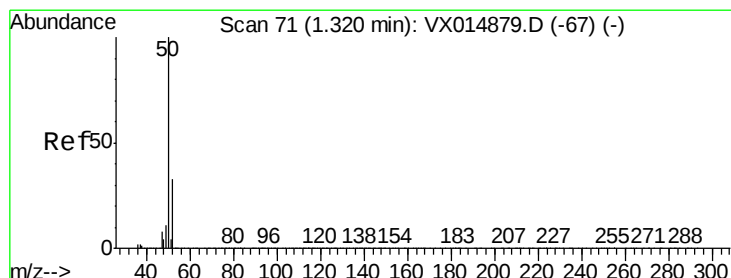
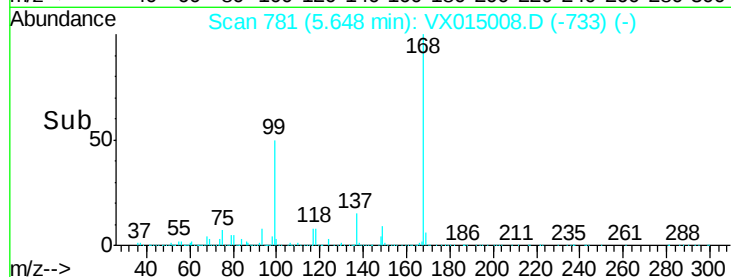
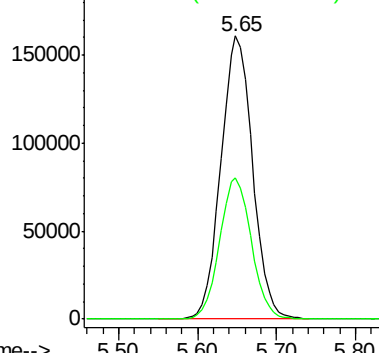
168 100

99 49.7 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.26 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX015008.D

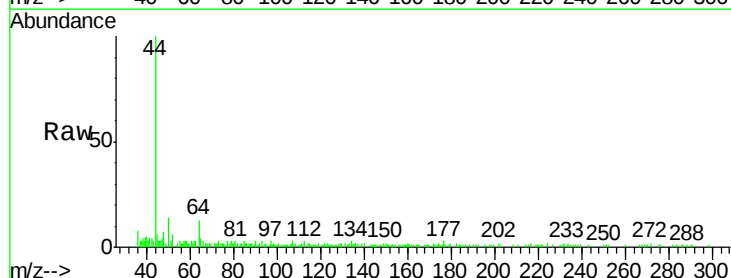
Acq: 26 Feb 2020 10:28

Tgt Ion: 50 Resp: 1273

Ion Ratio Lower Upper

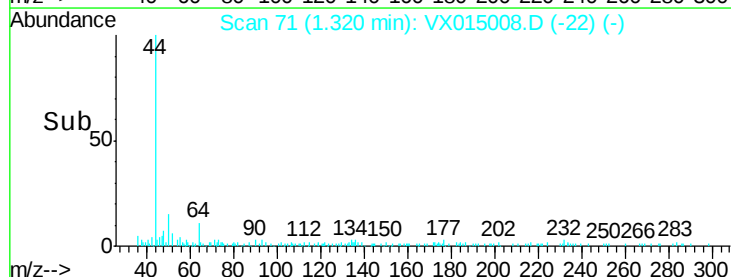
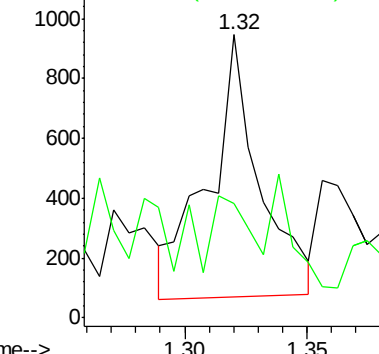
50 100

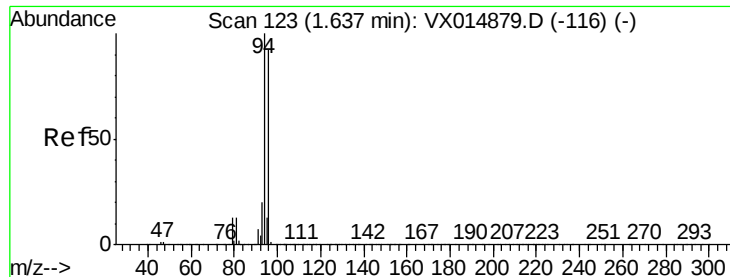
52 26.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.50 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

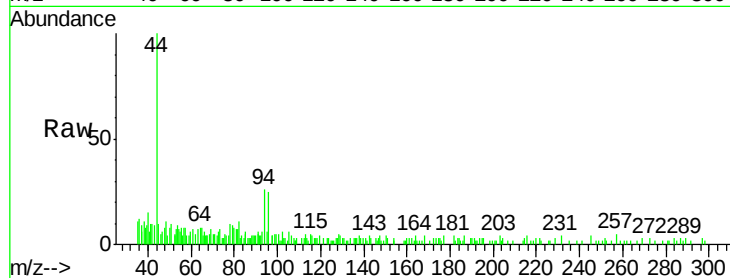
TB-01-20200225

Tgt Ion: 94 Resp: 1690

Ion Ratio Lower Upper

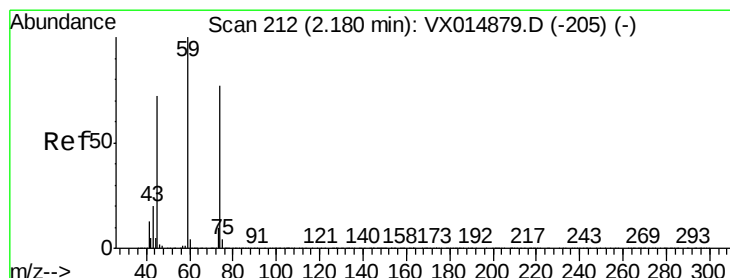
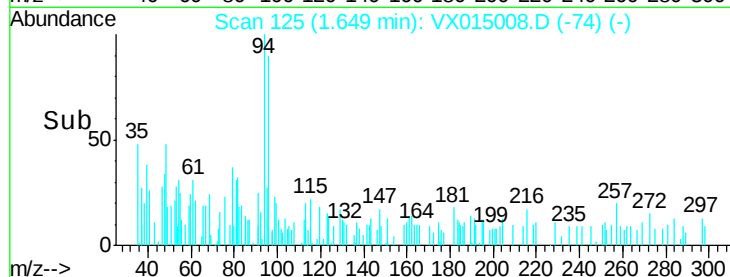
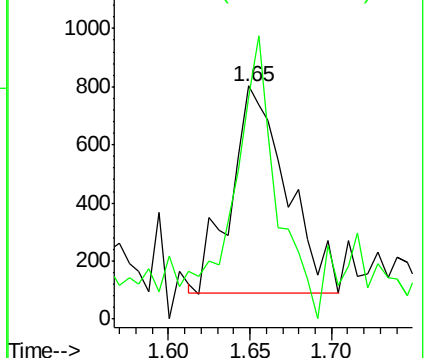
94 100

96 91.0 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: 0.24 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX015008.D

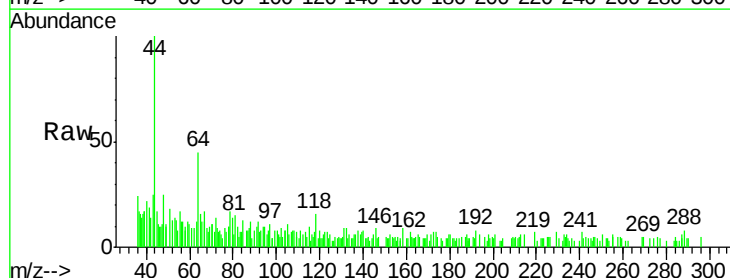
Acq: 26 Feb 2020 10:28

Tgt Ion: 74 Resp: 718

Ion Ratio Lower Upper

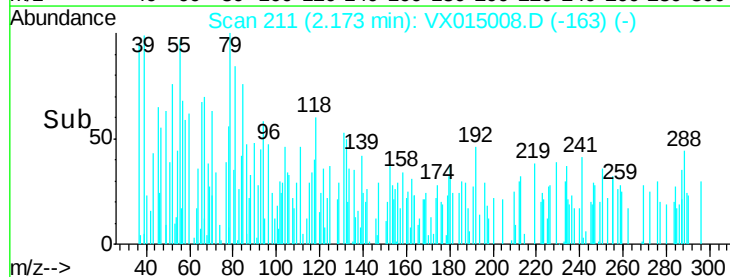
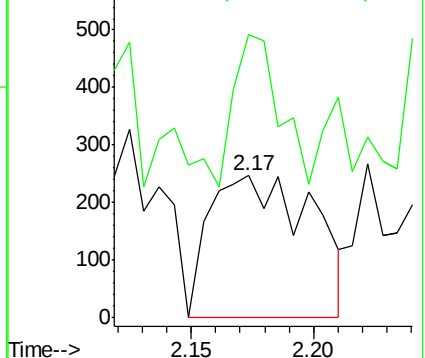
74 100

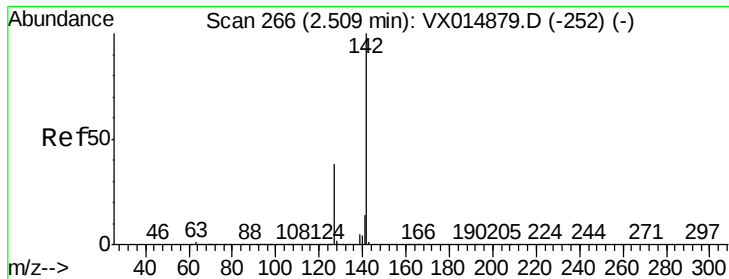
45 47.5 46.6 139.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

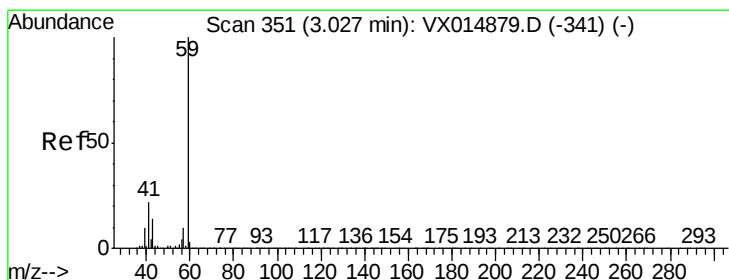
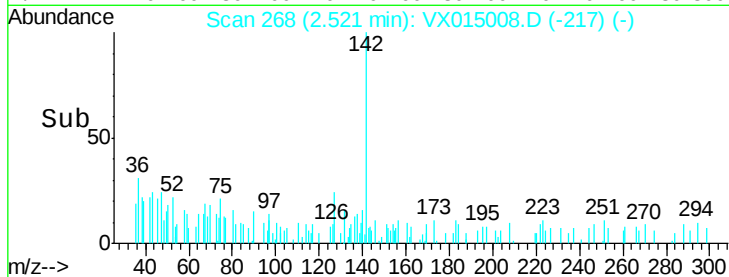
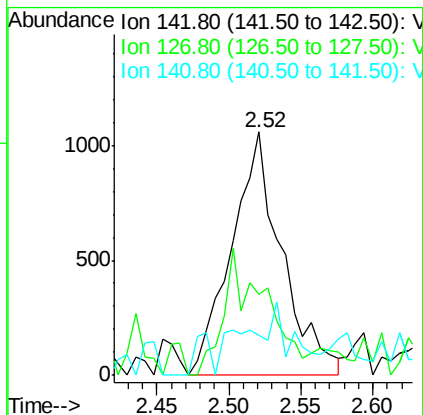
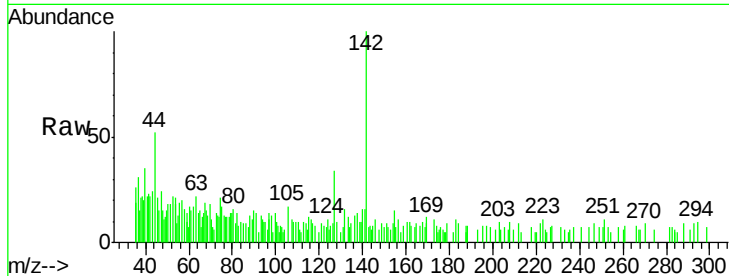




#10
Methyl Iodide
Concen: 4.87 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX015008.D
Acq: 26 Feb 2020 10:28

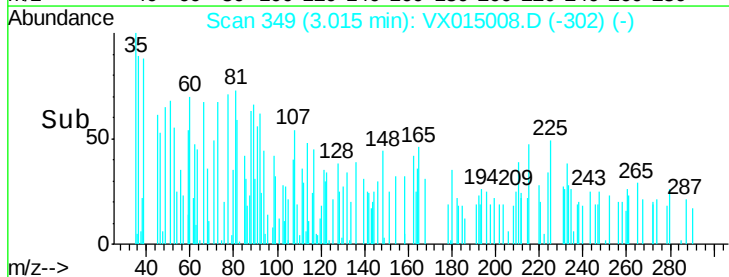
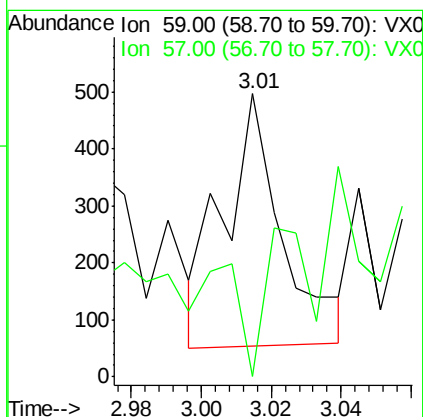
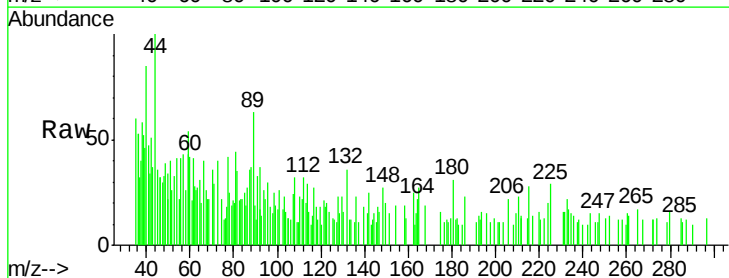
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200225

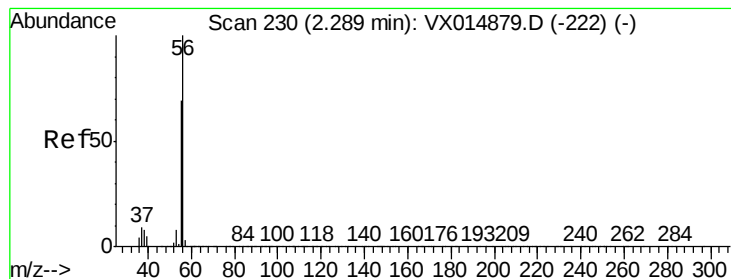
Tgt Ion: 142 Resp: 2568
Ion Ratio Lower Upper
142 100
127 43.9 31.1 46.7
141 13.3 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.57 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX015008.D
Acq: 26 Feb 2020 10:28

Tgt Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 43.9 8.2 12.4#





#13

Acrolein

Concen: 0.43 ug/l

RT: 2.28 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampled :

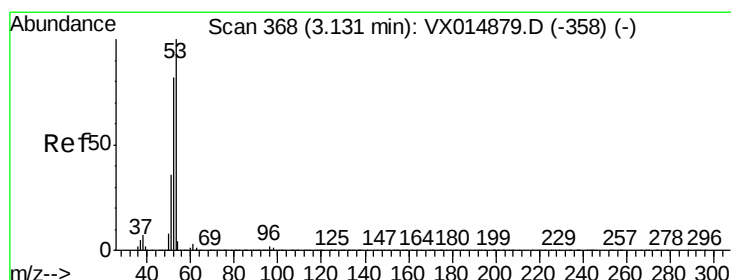
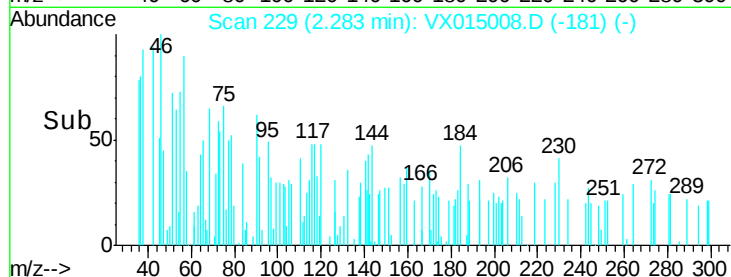
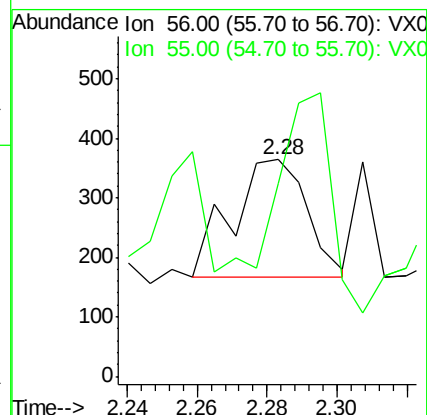
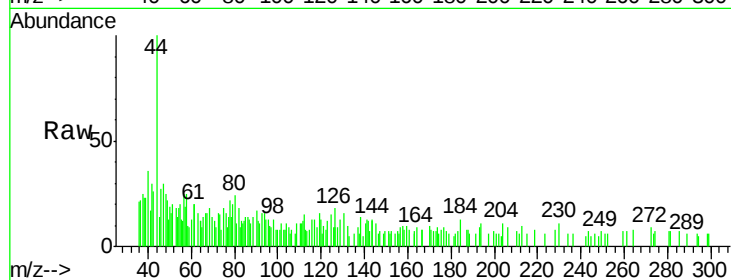
TB-01-20200225

Tgt Ion: 56 Resp: 294

Ion Ratio Lower Upper

56 100

55 123.5 55.0 82.4#



#15

Acrylonitrile

Concen: 0.59 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

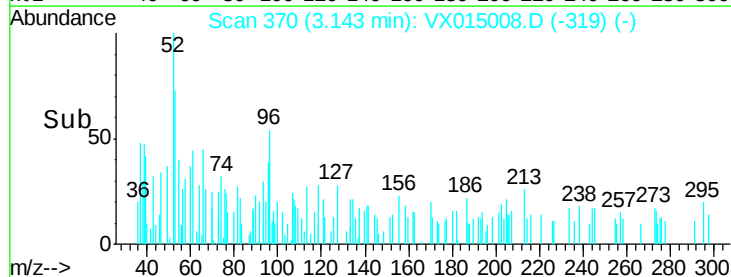
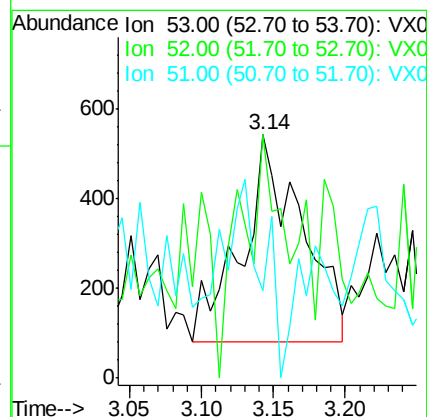
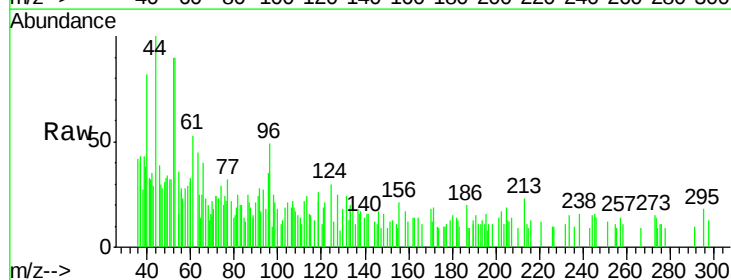
Tgt Ion: 53 Resp: 1345

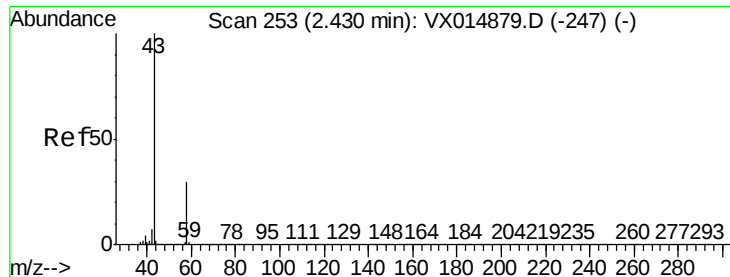
Ion Ratio Lower Upper

53 100

52 28.2 65.8 98.6#

51 0.0 29.1 43.7#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampled :

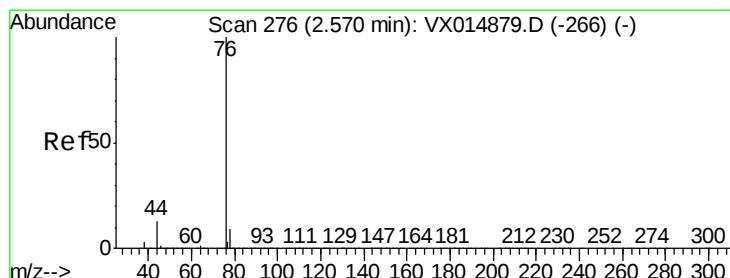
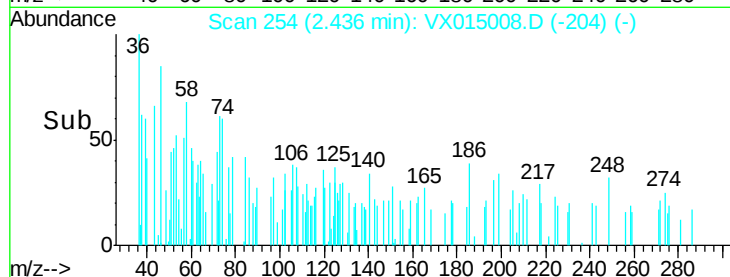
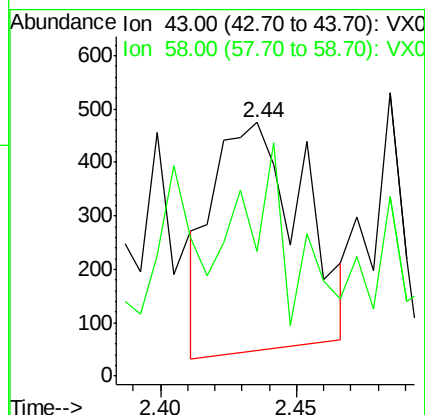
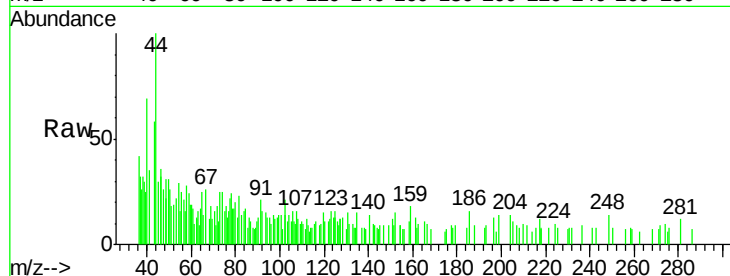
TB-01-20200225

Tgt Ion: 43 Resp: 976

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#



#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.56 min Scan# 275

Delta R.T. -0.01 min

Lab File: VX015008.D

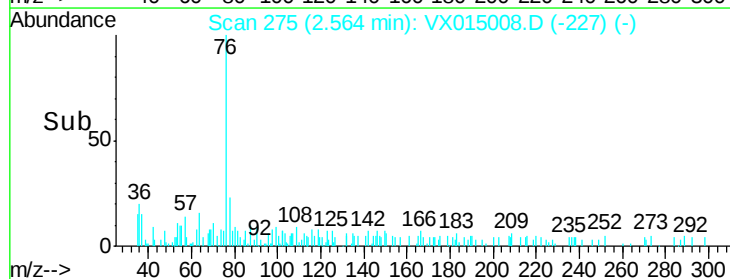
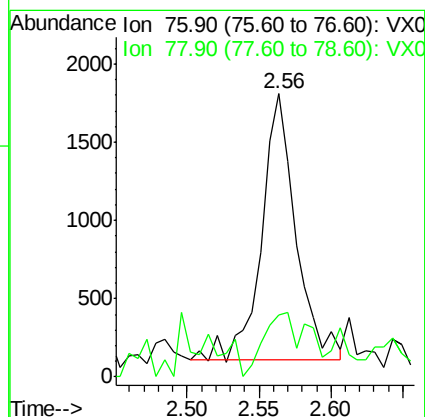
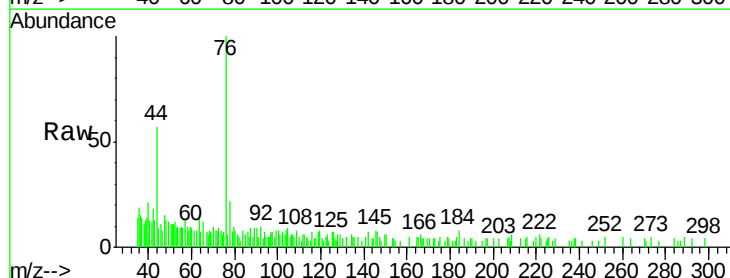
Acq: 26 Feb 2020 10:28

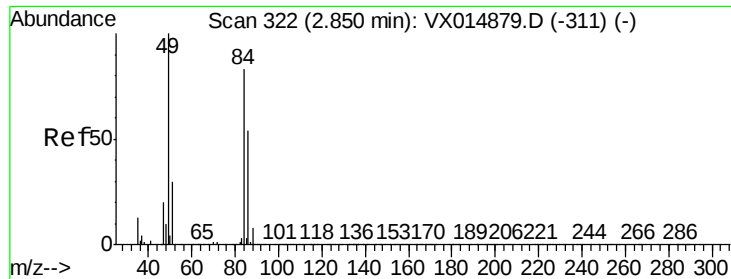
Tgt Ion: 76 Resp: 2812

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0





#20

Methylene Chloride

Concen: 0.24 ug/l

RT: 2.86 min Scan# 323

Delta R.T. 0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampled :

TB-01-20200225

Tgt Ion: 84 Resp: 1158

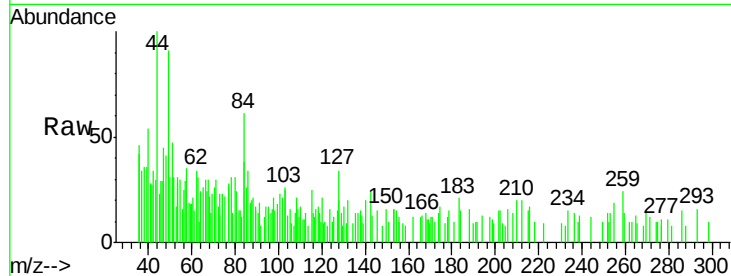
Ion Ratio Lower Upper

84 100

49 73.9 95.6 143.4#

51 8.5 29.0 43.6#

86 3.1 51.4 77.0#

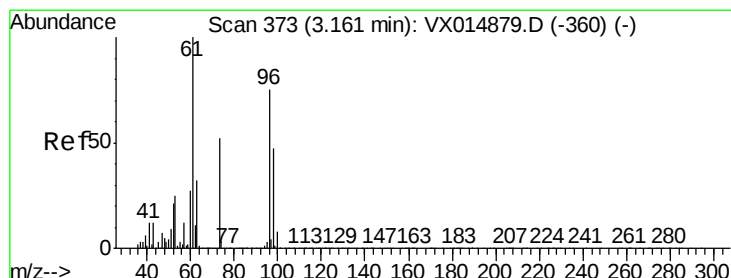
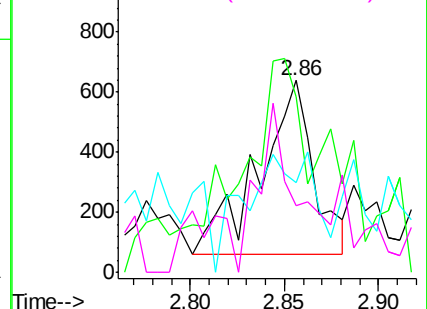
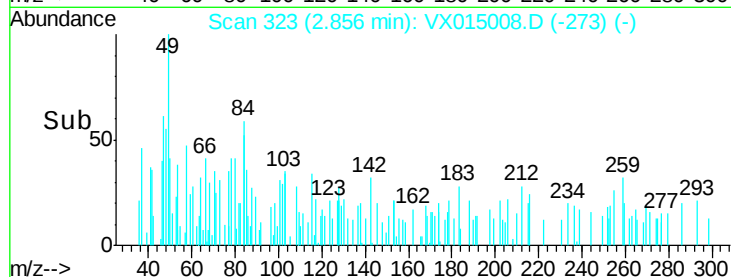


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.21 ug/l

RT: 3.14 min Scan# 370

Delta R.T. -0.02 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

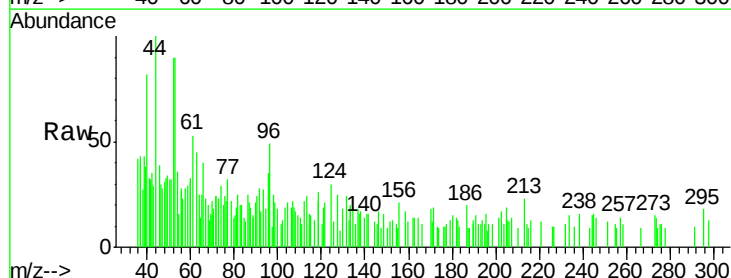
Tgt Ion: 96 Resp: 973

Ion Ratio Lower Upper

96 100

61 0.0 106.9 160.3#

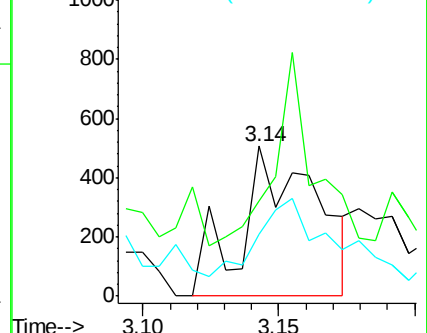
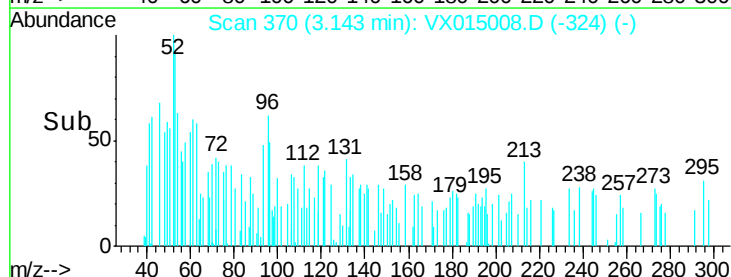
98 27.4 50.7 76.1#

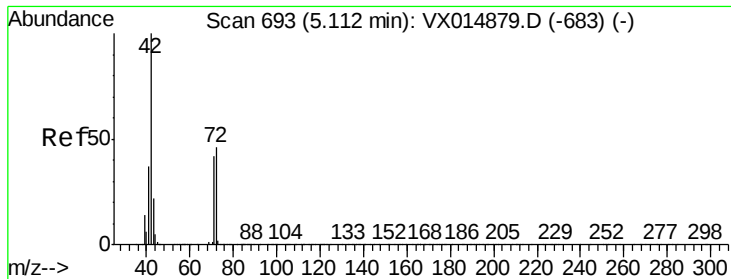


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

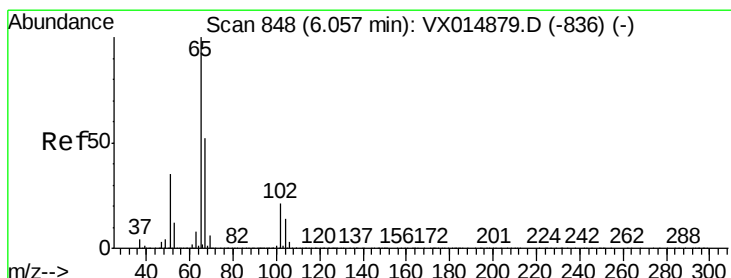
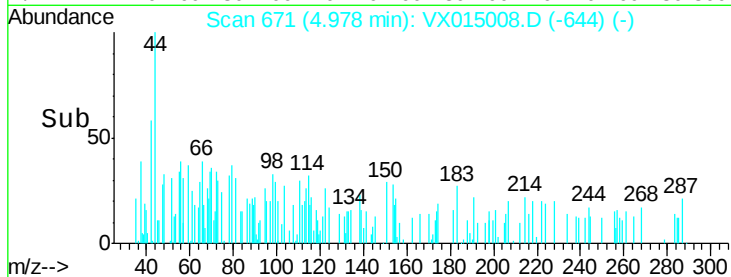
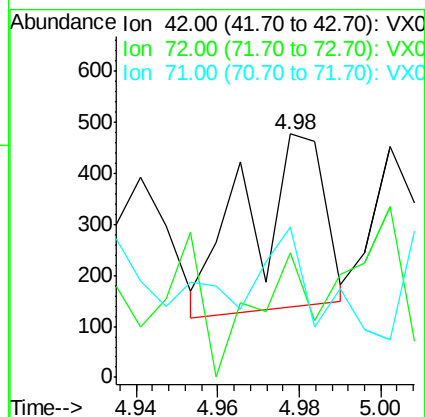
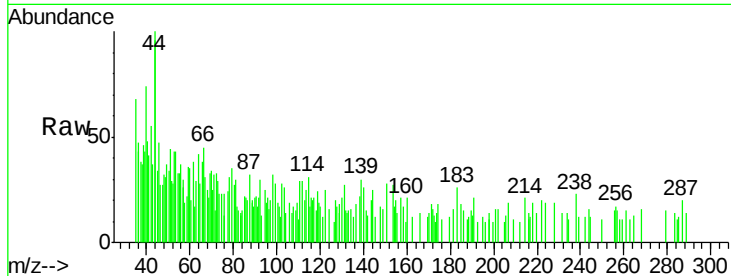




#29
Tetrahydrofuran
Concen: 0.22 ug/l
RT: 4.98 min Scan# 671
Delta R.T. -0.13 min
Lab File: VX015008.D
Acq: 26 Feb 2020 10:28

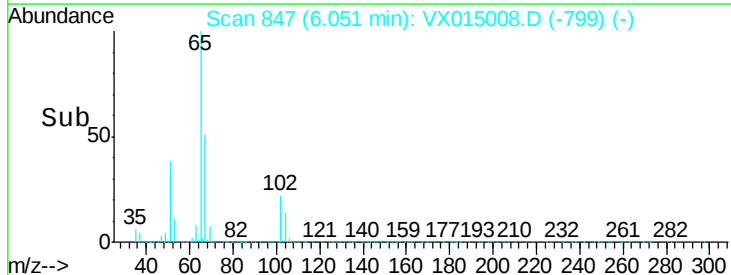
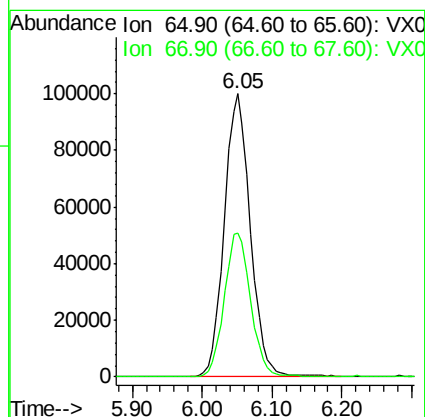
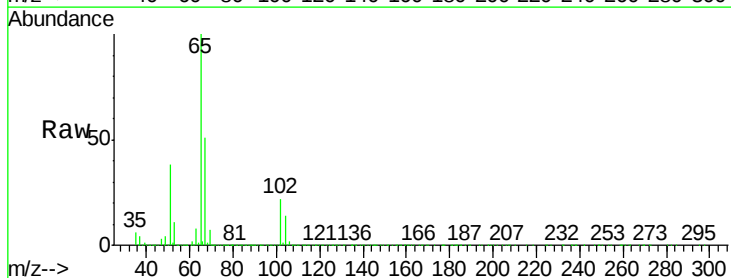
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200225

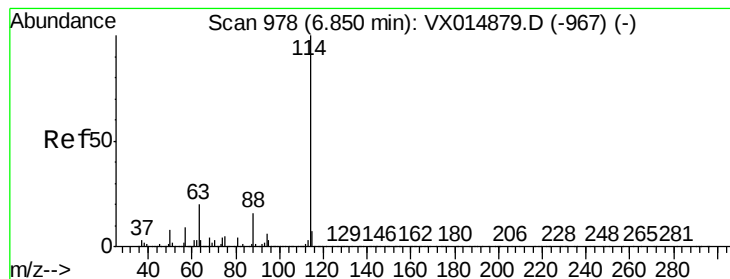
Tgt Ion: 42 Resp: 436
Ion Ratio Lower Upper
42 100
72 53.0 36.9 55.3
71 43.1 34.1 51.1



#33
1,2-Dichloroethane-d4
Concen: 50.59 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX015008.D
Acq: 26 Feb 2020 10:28

Tgt Ion: 65 Resp: 256493
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200225

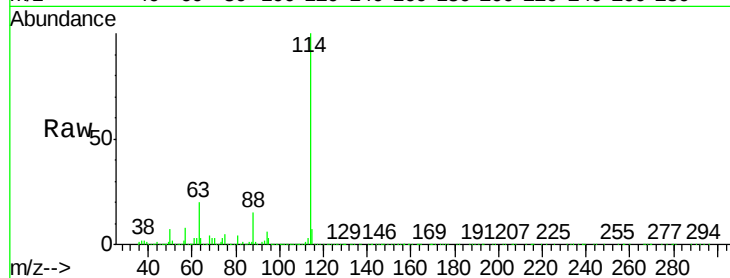
Tgt Ion:114 Resp: 708087

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.2

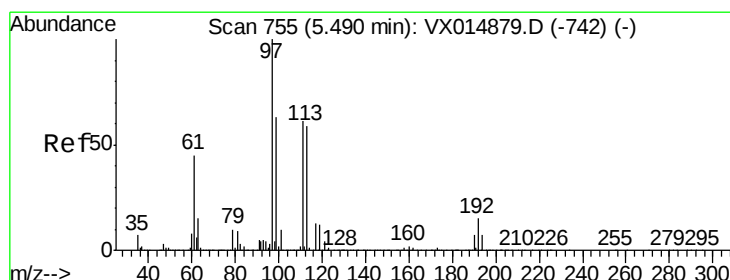
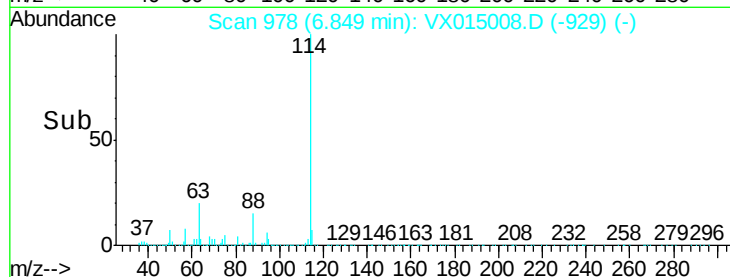
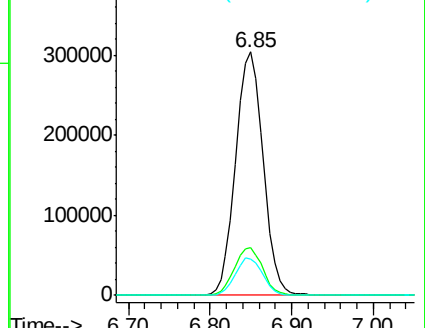
88 14.6 0.0 32.0



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: 49.89 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

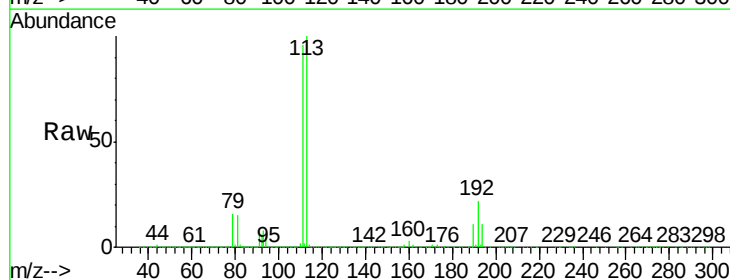
Tgt Ion:113 Resp: 217171

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

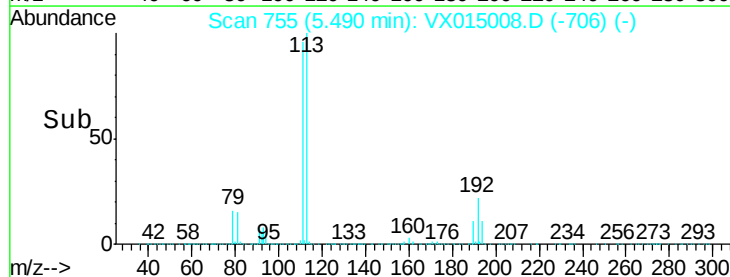
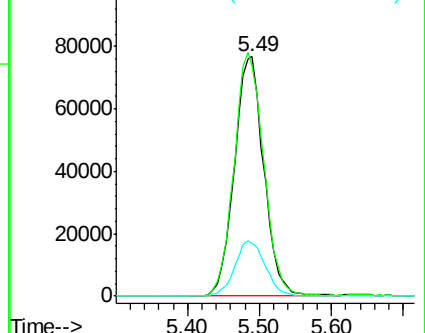
192 23.5 19.1 28.7

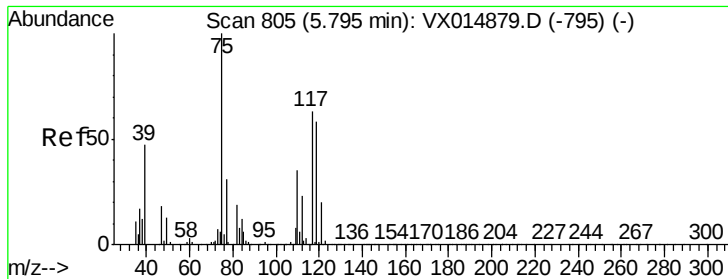


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

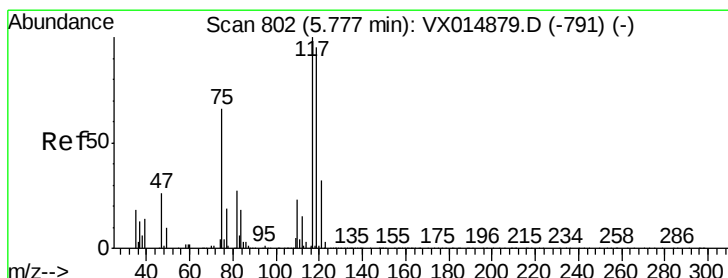
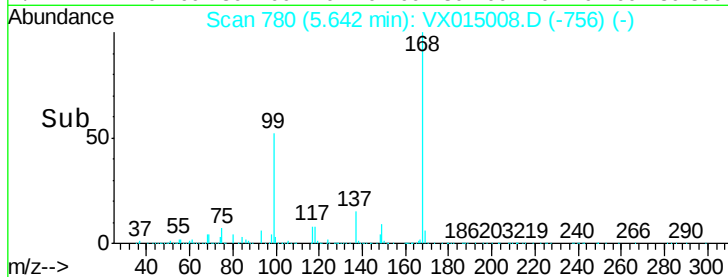
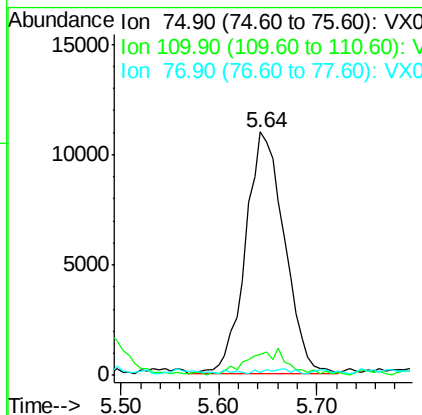
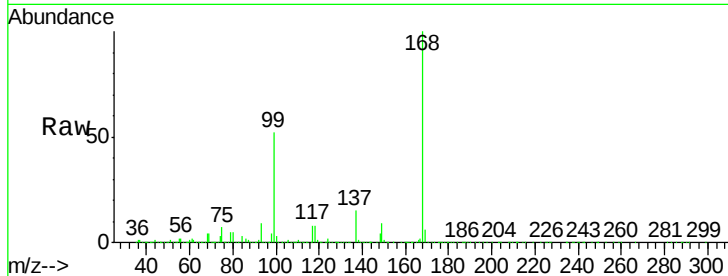




#36
 1,1-Dichloropropene
 Concen: 4.76 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX015008.D
 Acq: 26 Feb 2020 10:28

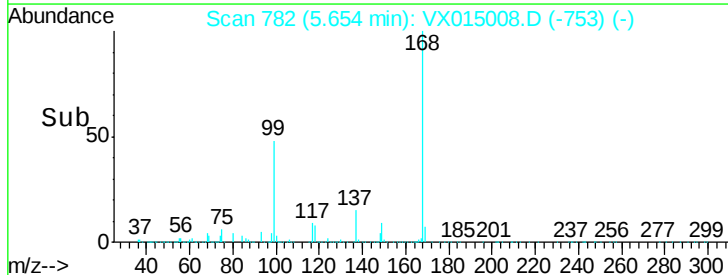
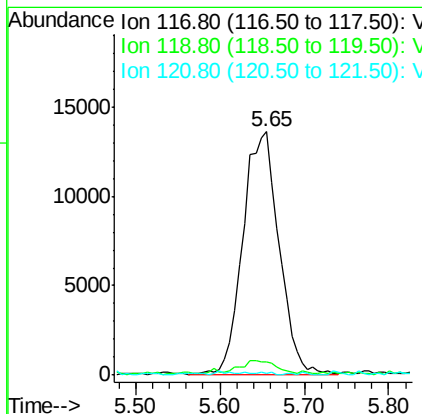
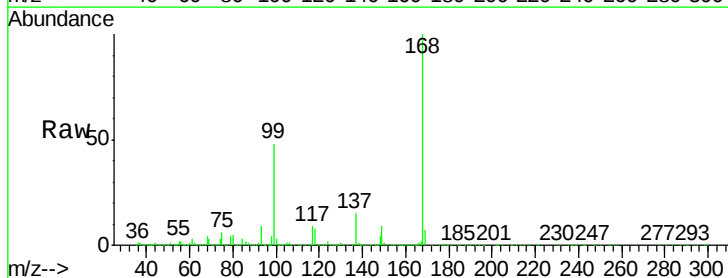
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20200225

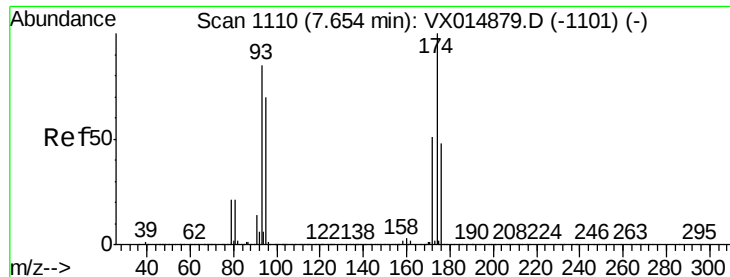
Tgt Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.3	54.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.44 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX015008.D
 Acq: 26 Feb 2020 10:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.0	114.0#
121	0.1	25.4	38.2#





#46

Dibromomethane

Concen: 0.23 ug/l

RT: 7.68 min Scan# 1114

Delta R.T. 0.02 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200225

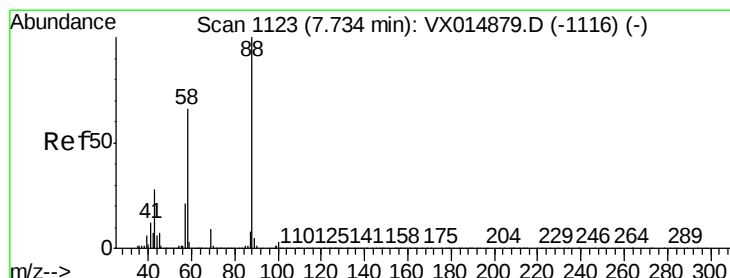
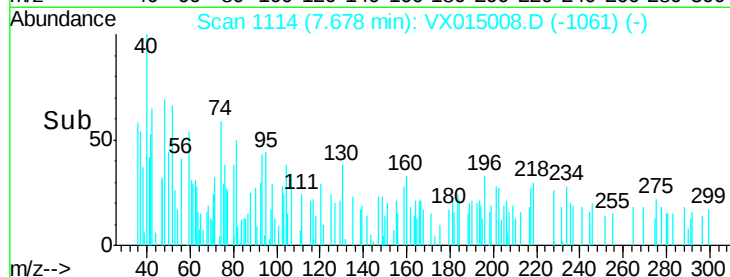
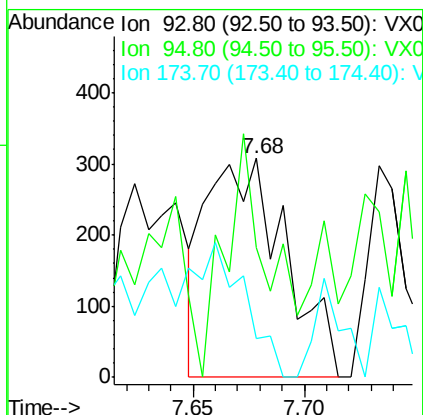
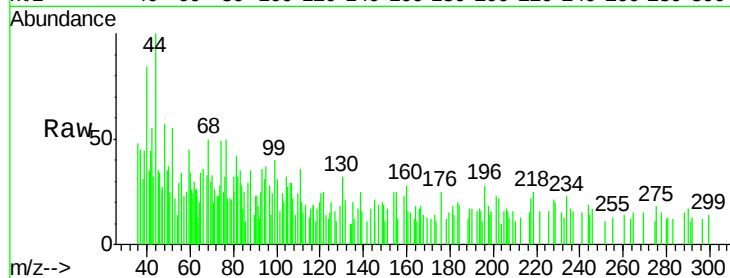
Tgt Ion: 93 Resp: 757

Ion Ratio Lower Upper

93 100

95 61.4 65.8 98.8#

174 41.7 95.4 143.2#



#49

1,4-Dioxane

Concen: 3.41 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

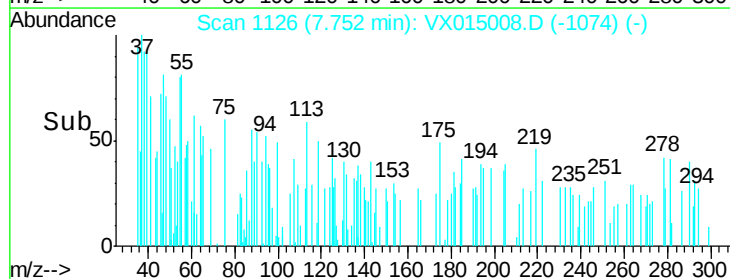
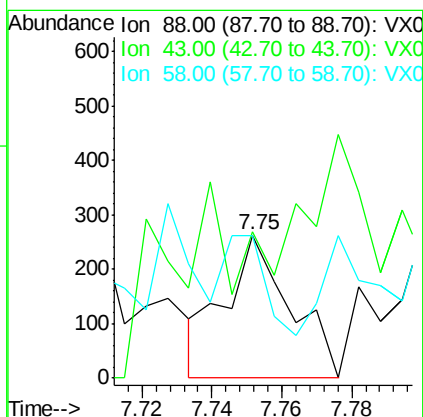
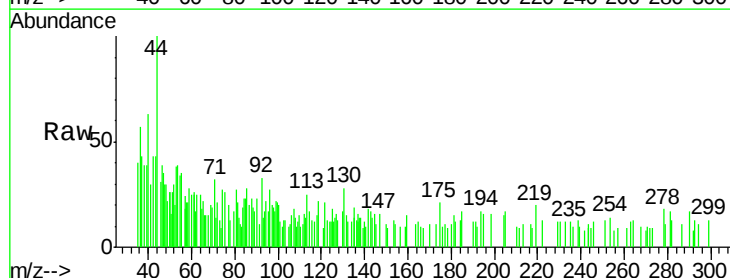
Tgt Ion: 88 Resp: 342

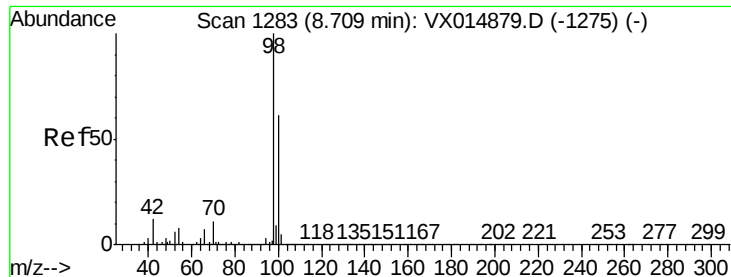
Ion Ratio Lower Upper

88 100

43 30.7 27.0 40.4

58 59.1 53.2 79.8





#50

Toluene-d8

Concen: 50.96 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

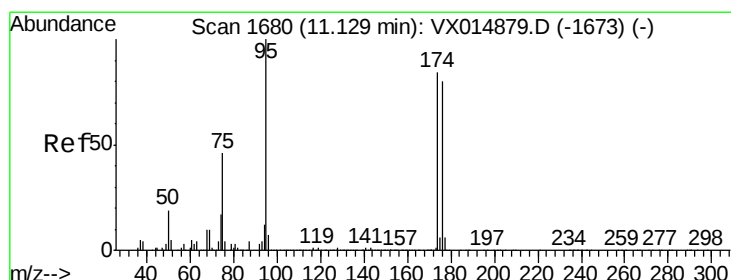
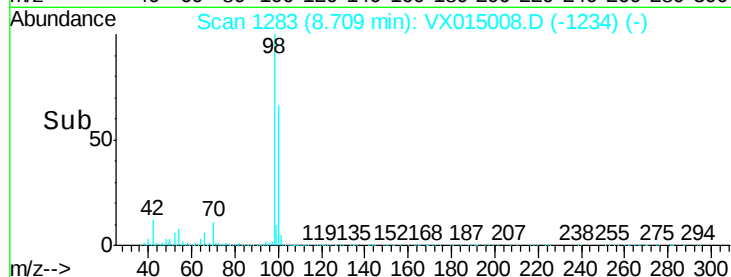
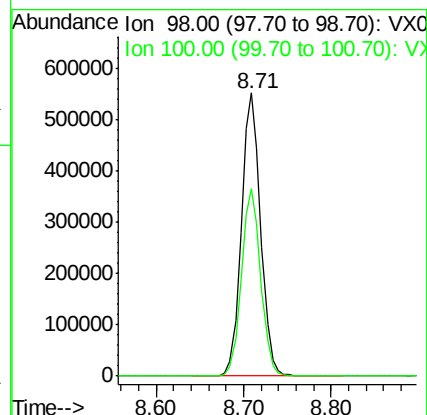
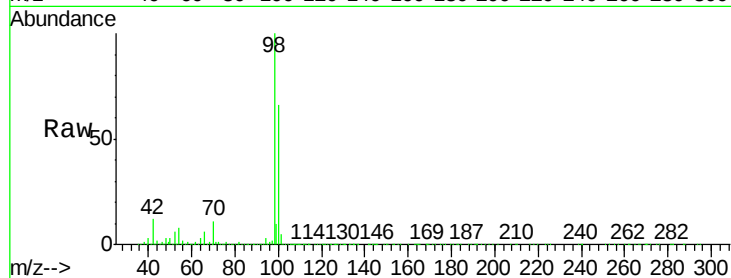
TB-01-20200225

Tgt Ion: 98 Resp: 846828

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 51.34 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

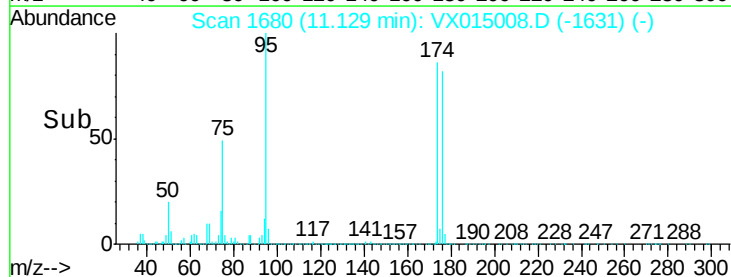
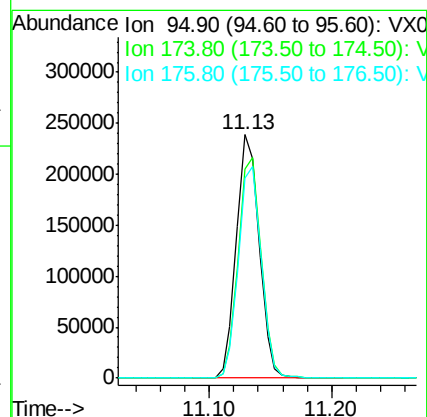
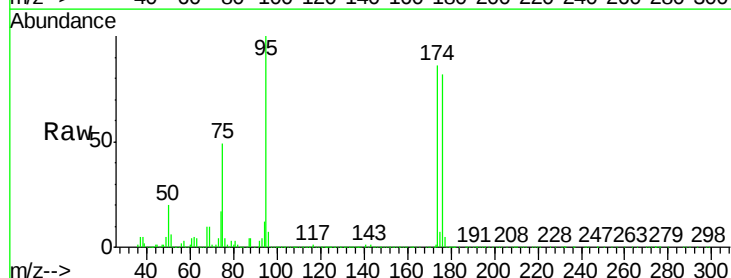
Tgt Ion: 95 Resp: 307314

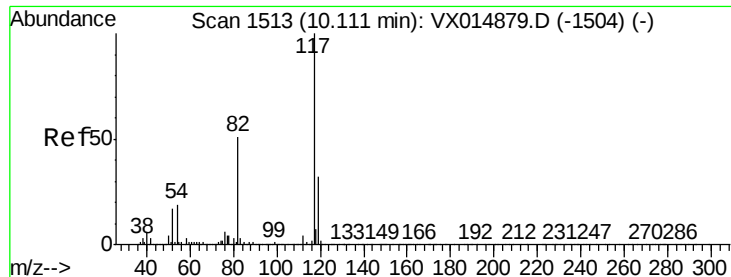
Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

176 87.6 0.0 178.0

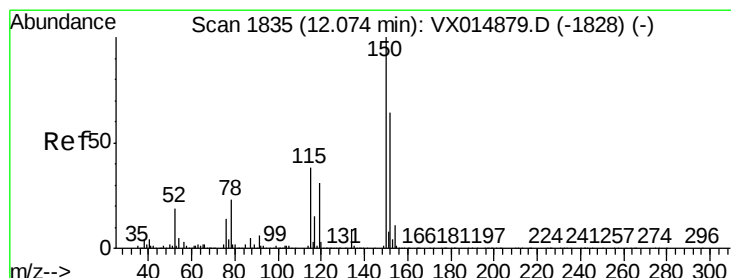
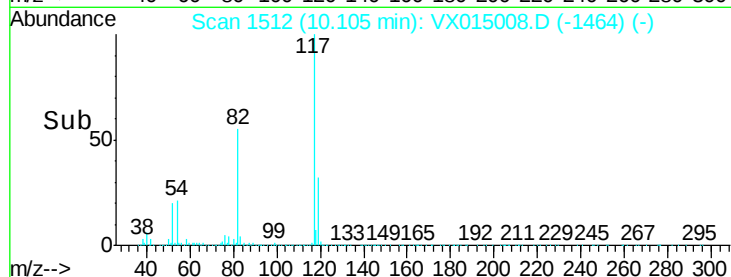
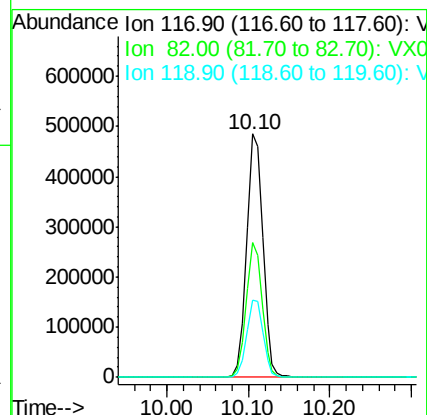
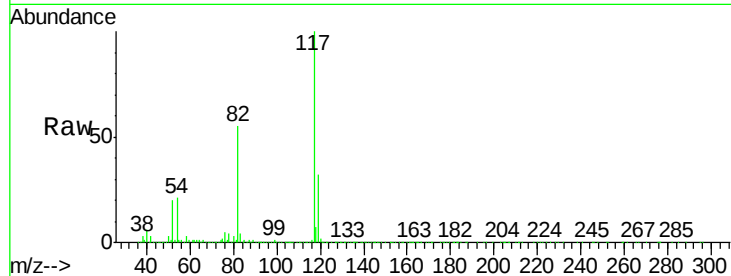




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX015008.D
Acq: 26 Feb 2020 10:28

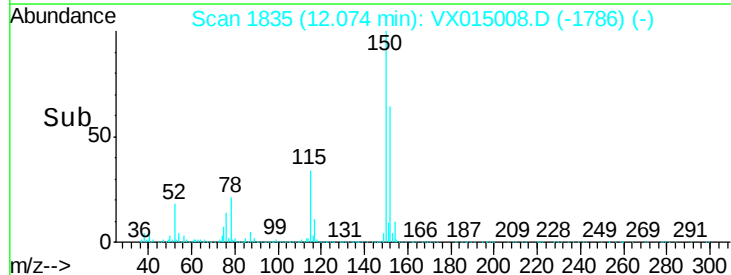
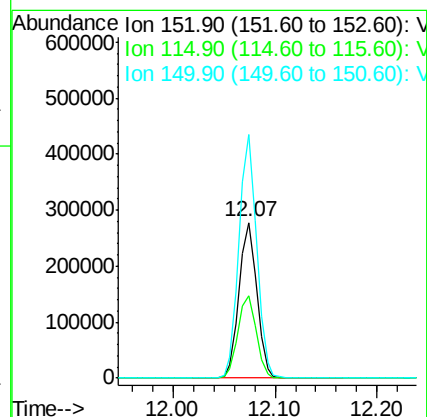
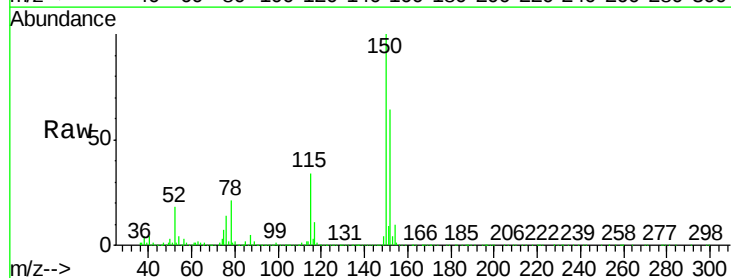
Instrument :
MSVOA_X
ClientSampleId :
TB-01-20200225

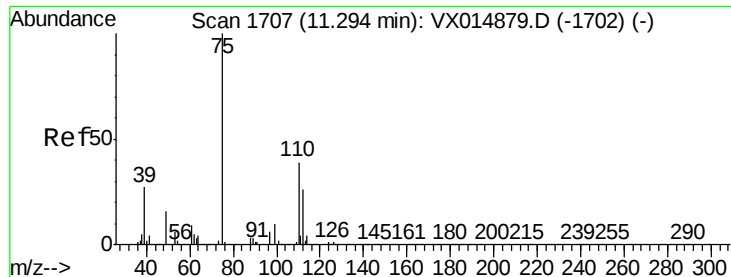
Tgt Ion:117 Resp: 664588
Ion Ratio Lower Upper
117 100
82 55.2 40.5 60.7
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015008.D
Acq: 26 Feb 2020 10:28

Tgt Ion:152 Resp: 332152
Ion Ratio Lower Upper
152 100
115 54.8 38.6 116.0
150 155.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.02 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Instrument :

MSVOA_X

ClientSampleId :

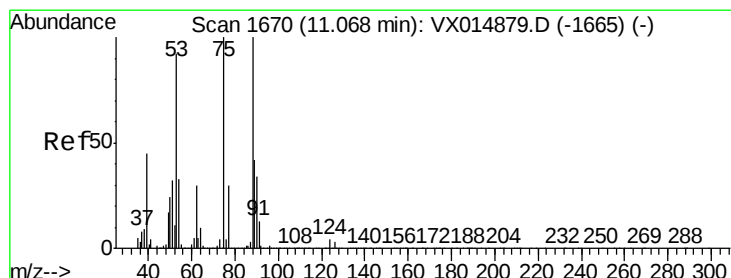
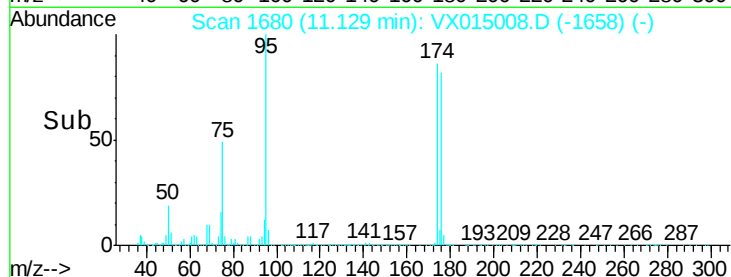
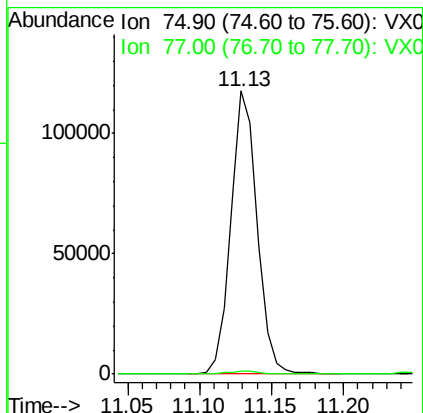
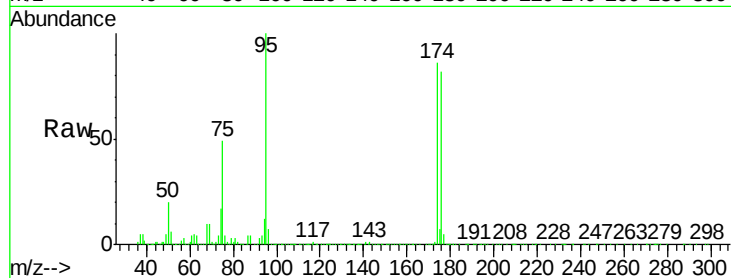
TB-01-20200225

Tgt Ion: 75 Resp: 150259

Ion Ratio Lower Upper

75 100

77 1.3 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.03 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

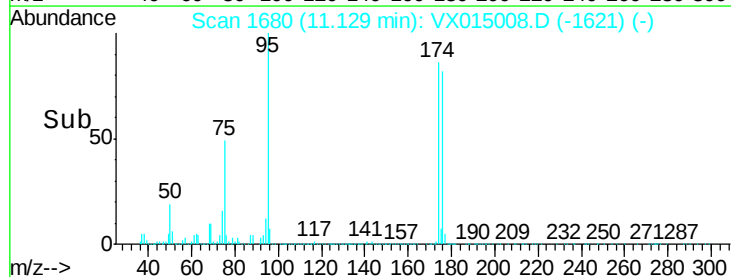
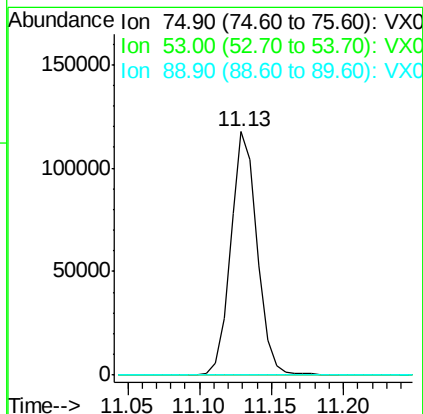
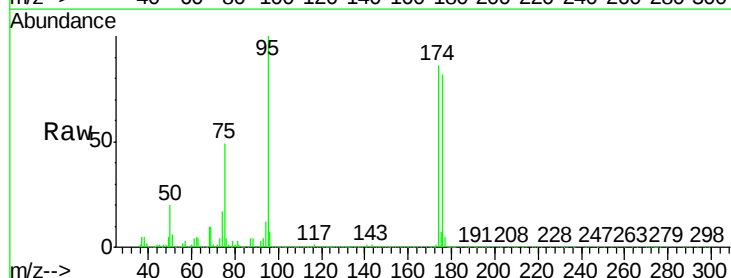
Tgt Ion: 75 Resp: 150259

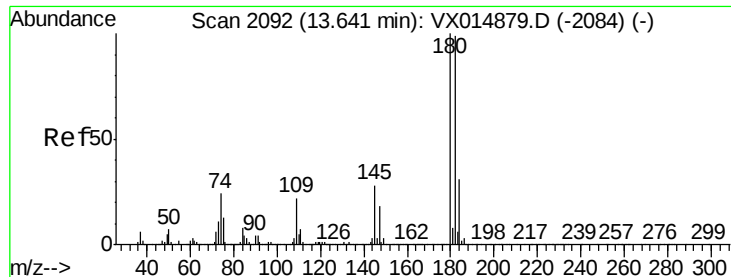
Ion Ratio Lower Upper

75 100

53 0.2 76.2 114.2#

89 0.0 35.8 53.6#

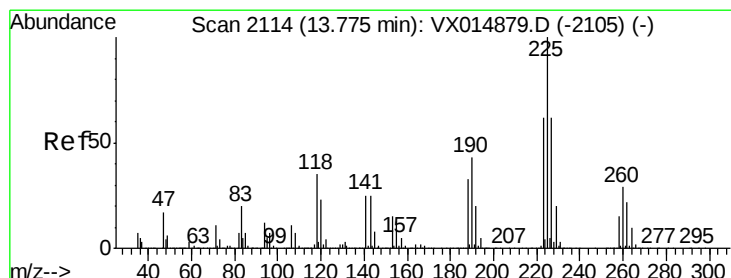
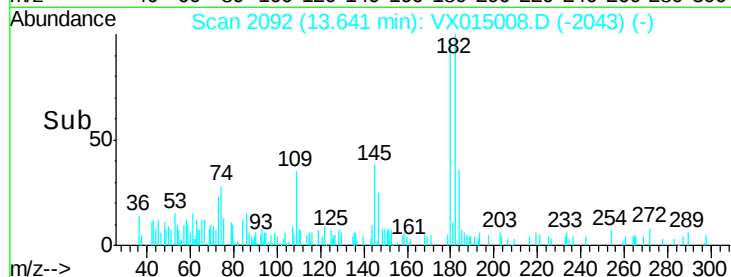
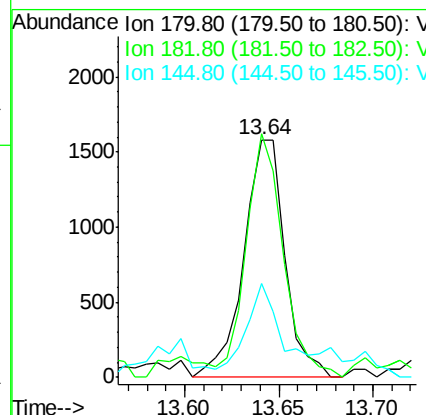
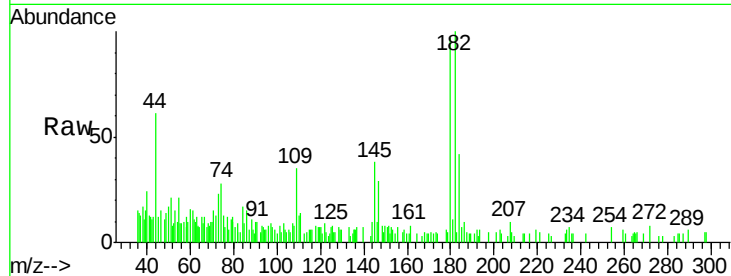




#93
 1,2,4-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. -0.00 min
 Lab File: VX015008.D
 Acq: 26 Feb 2020 10:28

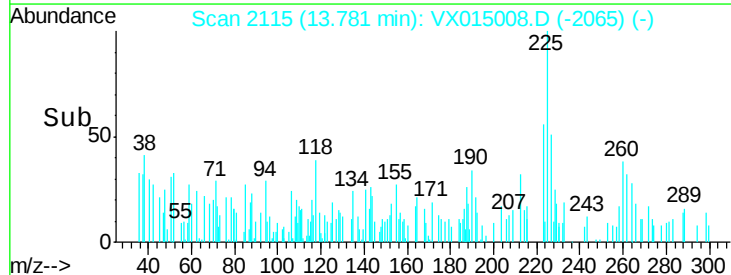
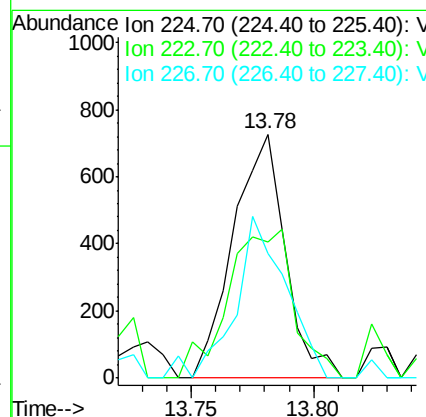
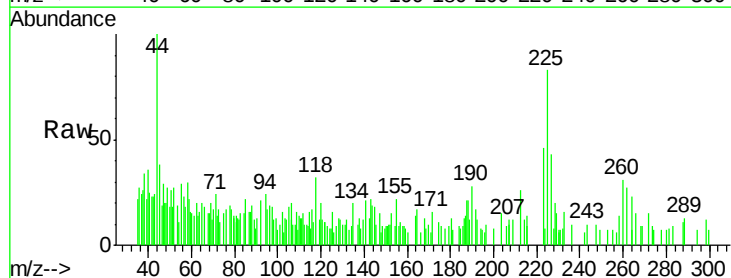
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-20200225

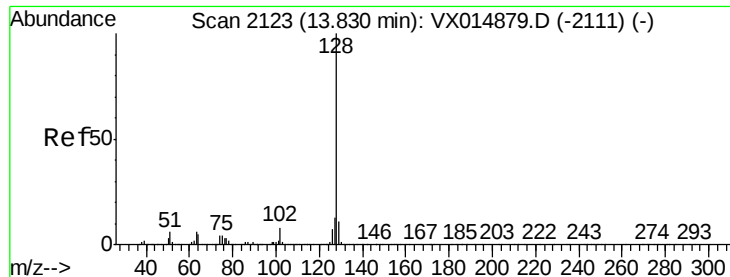
Tgt Ion:180 Resp: 2398
 Ion Ratio Lower Upper
 180 100
 182 91.8 48.4 145.3
 145 32.8 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 0.30 ug/l
 RT: 13.78 min Scan# 2115
 Delta R.T. 0.01 min
 Lab File: VX015008.D
 Acq: 26 Feb 2020 10:28

Tgt Ion:225 Resp: 1080
 Ion Ratio Lower Upper
 225 100
 223 77.3 31.1 93.2
 227 64.9 30.9 92.5





#95

Naphthalene

Concen: 0.28 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

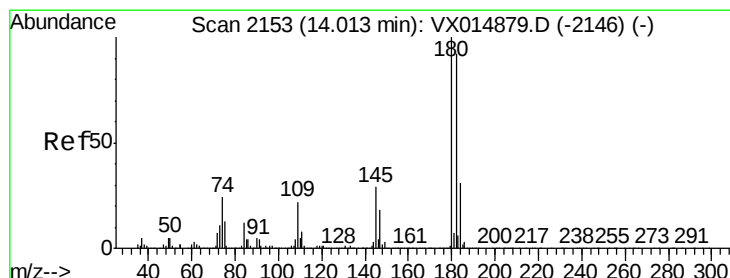
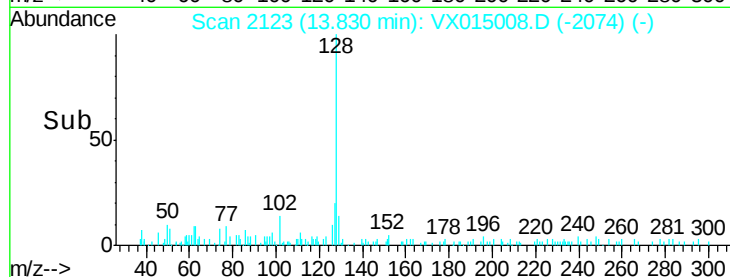
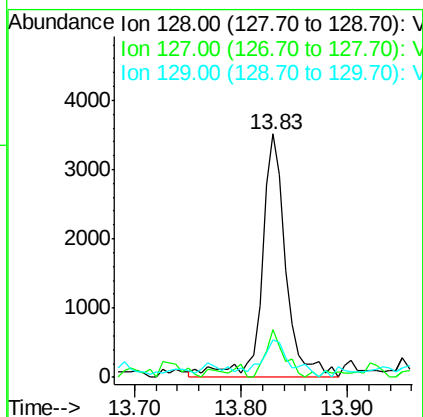
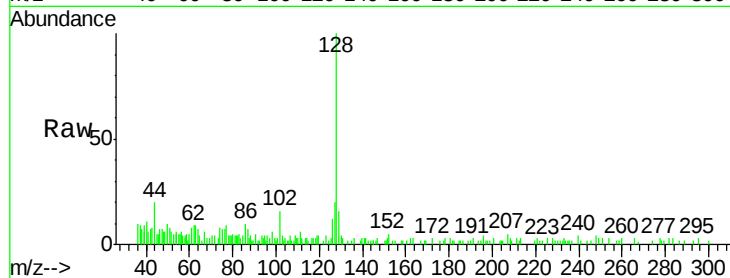
Instrument :

MSVOA_X

ClientSampleId :

TB-01-20200225

Tgt Ion:	128	Resp:	5557
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.4	15.6
129	17.5	8.6	13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.30 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX015008.D

Acq: 26 Feb 2020 10:28

Tgt Ion:	180	Resp:	2197
Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.5	142.6
145	40.6	14.5	43.5

