

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110819\
 Data File : VX013356.D
 Acq On : 08 Nov 2019 14:42
 Operator : JC/SP
 Sample : K5765-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20191107

Quant Time: Nov 11 02:56:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	848668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1325846	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1186207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	549796	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	483810	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	5.48	113	403099	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
50) Toluene-d8	8.70	98	1550244	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	535637	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	

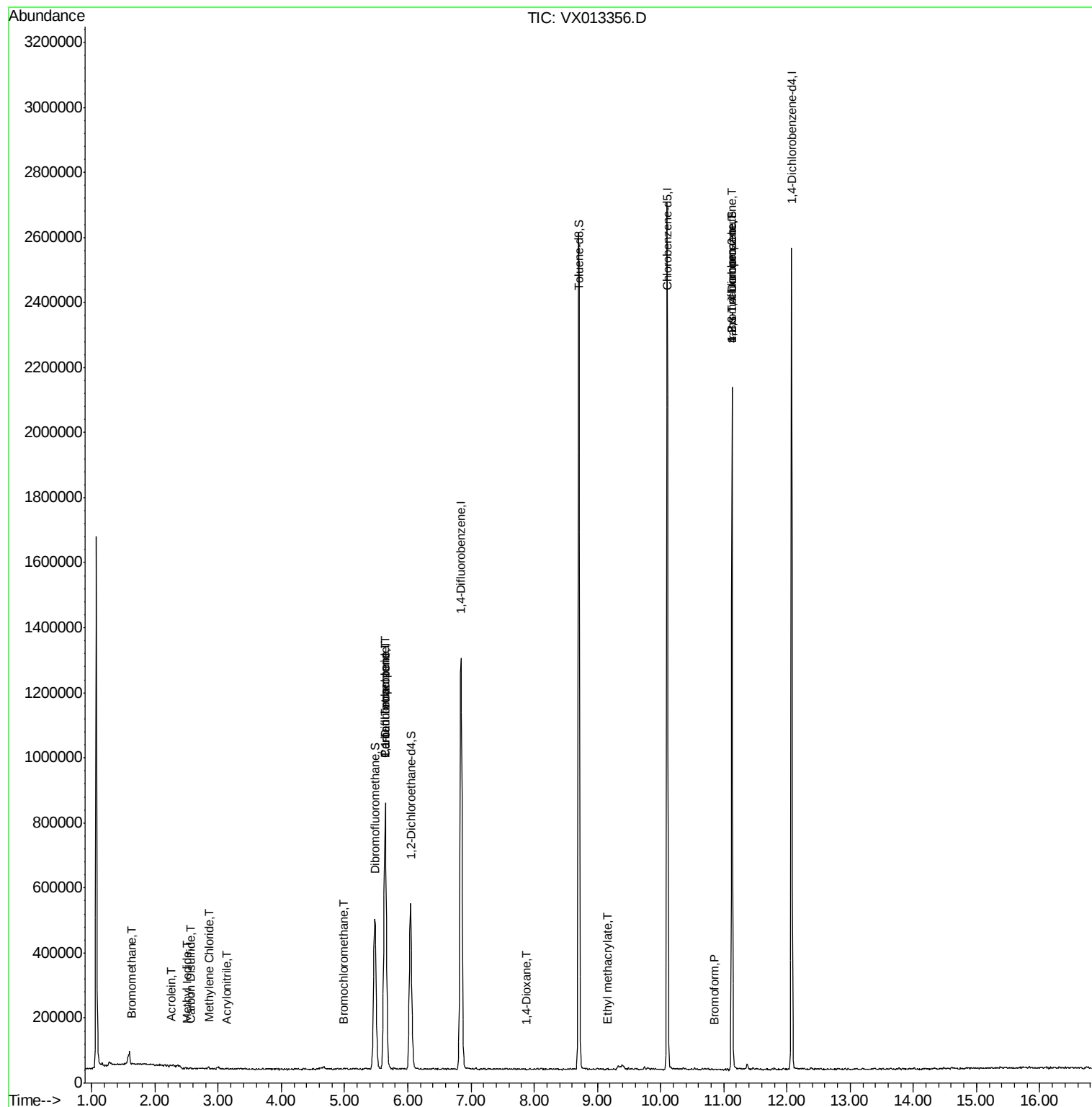
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1809	0.215	ug/l #	73
6) Chloroethane	1.64	64	549	Below Cal	#	43
10) Methyl Iodide	2.51	142	2576	0.262	ug/l #	72
13) Acrolein	2.26	56	310	0.216	ug/l #	28
15) Acrylonitrile	3.14	53	1897	0.383	ug/l #	79
17) Carbon Disulfide	2.56	76	4492	0.216	ug/l	100
20) Methylene Chloride	2.84	84	3085	0.333	ug/l #	67
28) Bromochloromethane	4.99	49	913	0.210	ug/l #	66
36) 1,1-Dichloropropene	5.64	75	58363	5.131	ug/l #	51
38) Carbon Tetrachloride	5.64	117	74026	6.656	ug/l #	16
49) 1,4-Dioxane	7.87	88	664	2.654	ug/l	91
56) Ethyl methacrylate	9.17	69	475	1.593	ug/l #	1
71) Bromoform	10.85	173	395	3.248	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	262964	23.548	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	262964	60.612	ug/l #	9

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

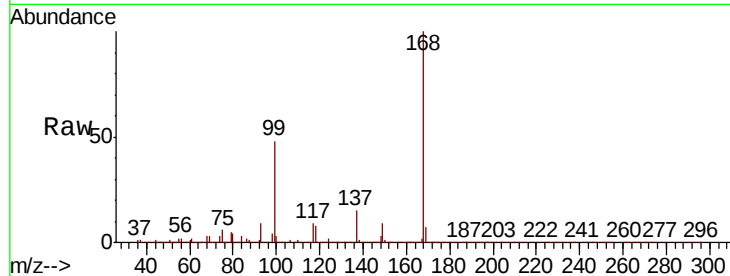
TT-TB-20191107

Tot Ion:168 Resp: 848668

Ion Ratio Lower Upper

168 100

99 48.1 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

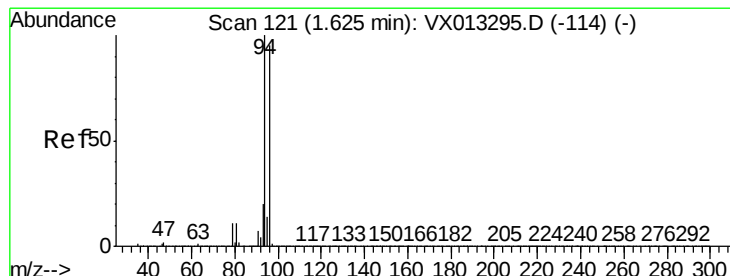
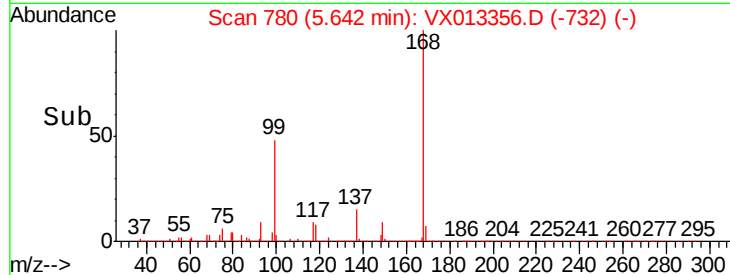
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.215 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX013356.D

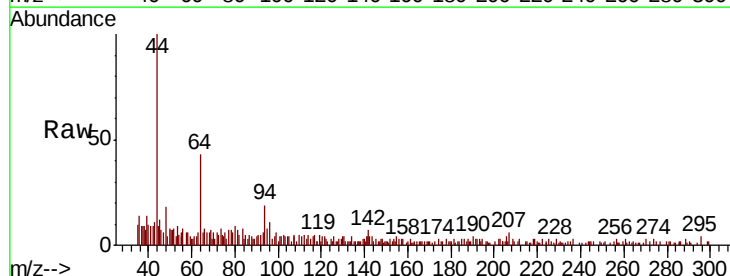
Acq: 08 Nov 2019 14:42

Tgt Ion: 94 Resp: 1809

Ion Ratio Lower Upper

94 100

96 69.0 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1200

1000

800

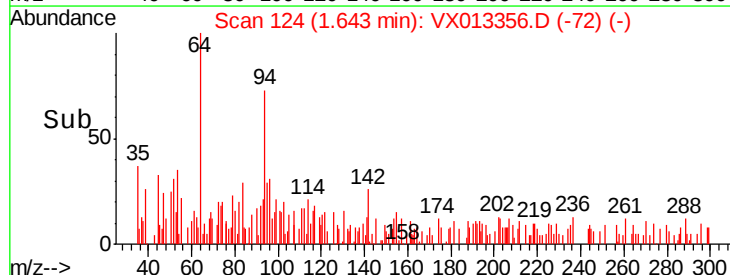
600

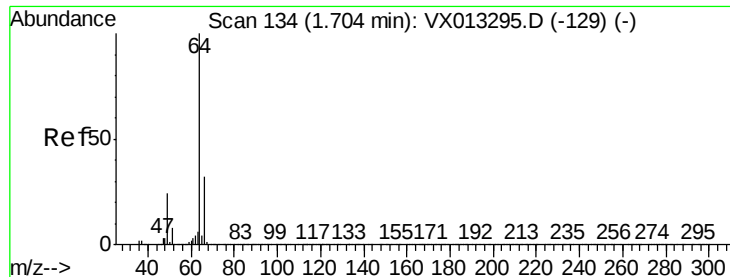
400

200

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. -0.06 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

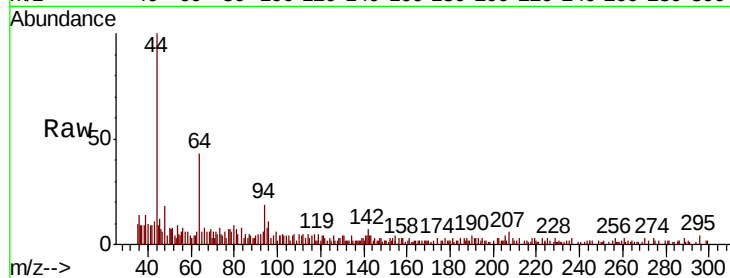
TT-TB-20191107

Tot Ion: 64 Resp: 549

Ion Ratio Lower Upper

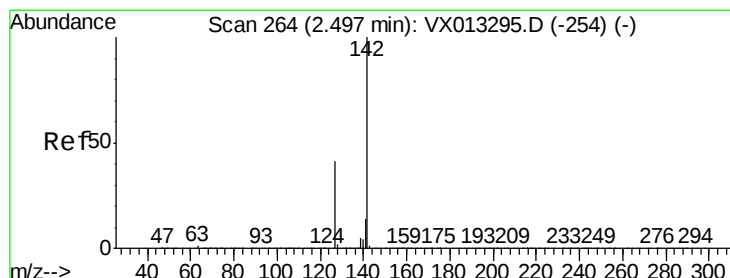
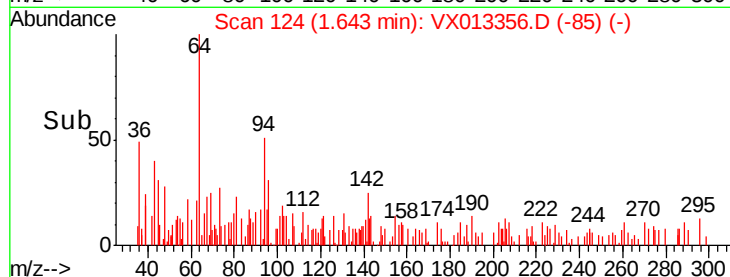
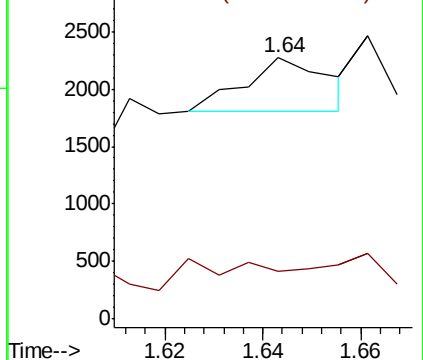
64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 0.262 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

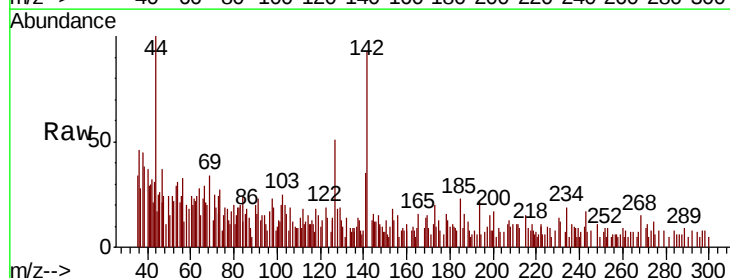
Tgt Ion: 142 Resp: 2576

Ion Ratio Lower Upper

142 100

127 61.9 32.6 49.0#

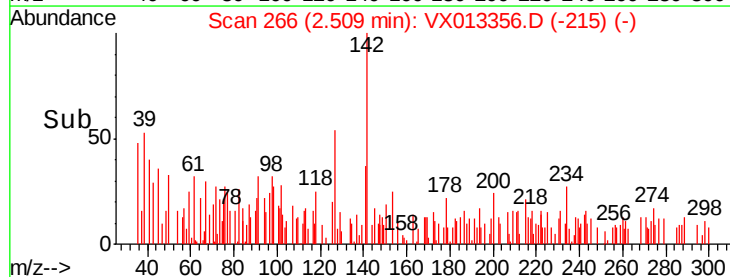
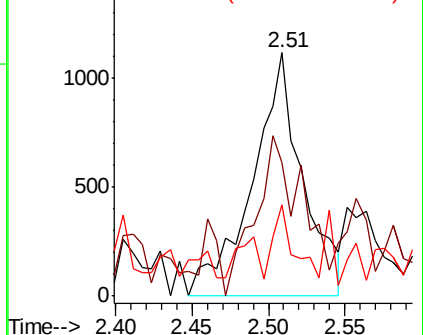
141 10.5 11.6 17.4#

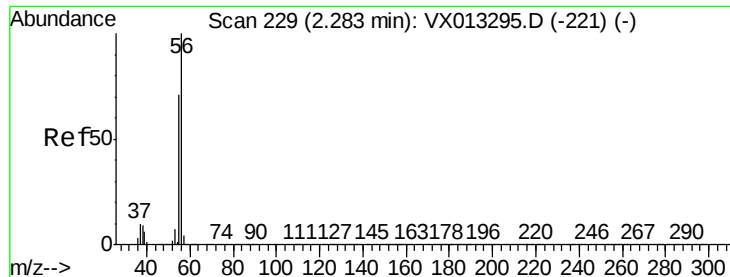


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.216 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.02 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

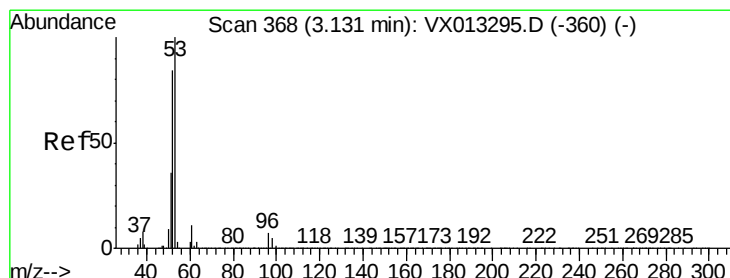
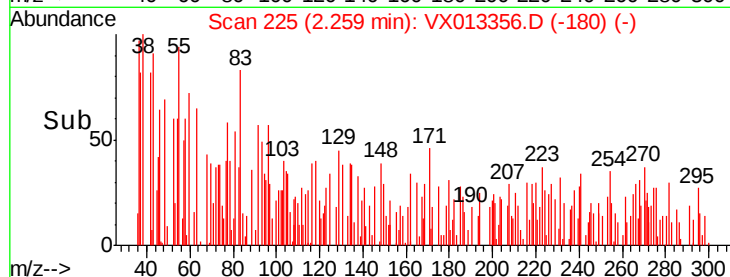
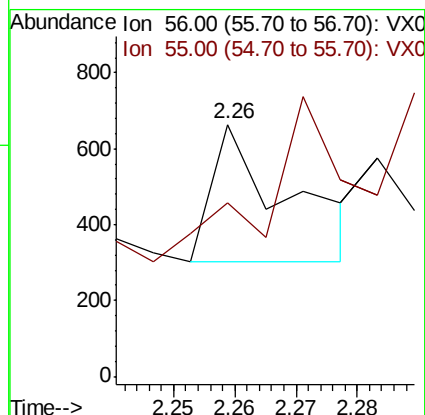
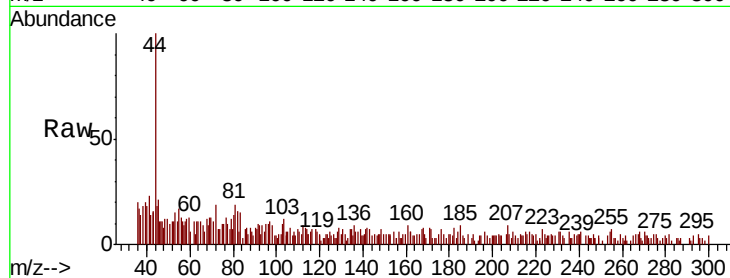
TT-TB-20191107

Tot Ion: 56 Resp: 310

Ion Ratio Lower Upper

56 100

55 131.9 57.4 86.0#



#15

Acrylonitrile

Concen: 0.383 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

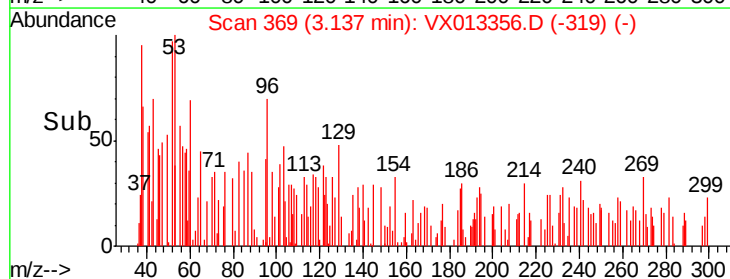
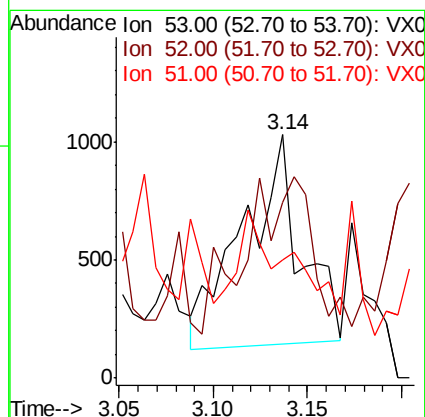
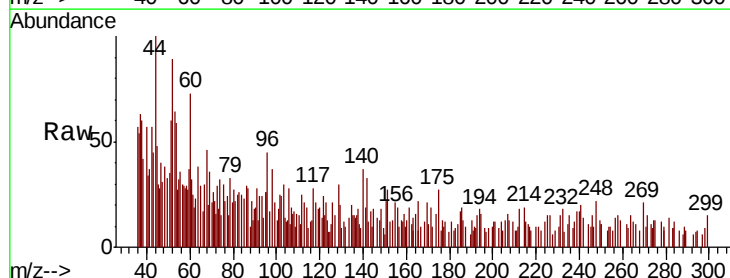
Tgt Ion: 53 Resp: 1897

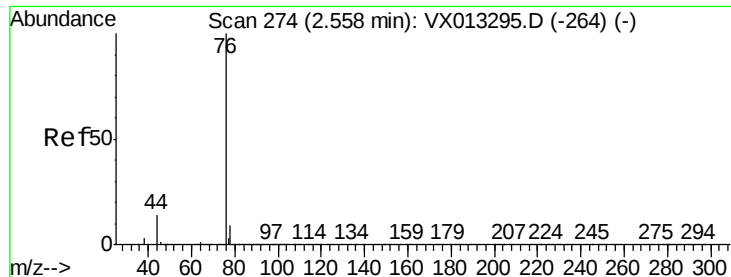
Ion Ratio Lower Upper

53 100

52 87.5 67.4 101.0

51 0.0 29.4 44.2#





#17

Carbon Disulfide

Concen: 0.216 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

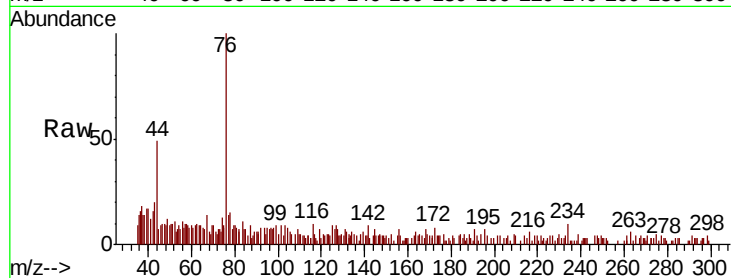
TT-TB-20191107

Tot Ion: 76 Resp: 4492

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

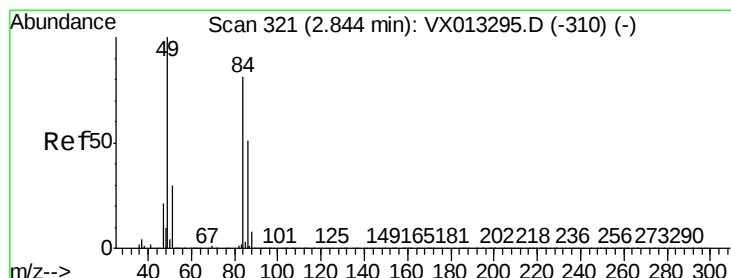
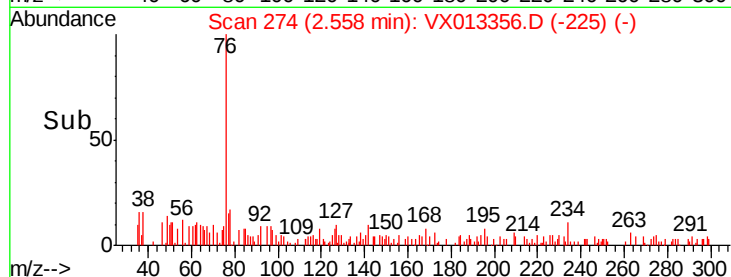
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 0.333 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.00 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Tgt Ion: 84 Resp: 3085

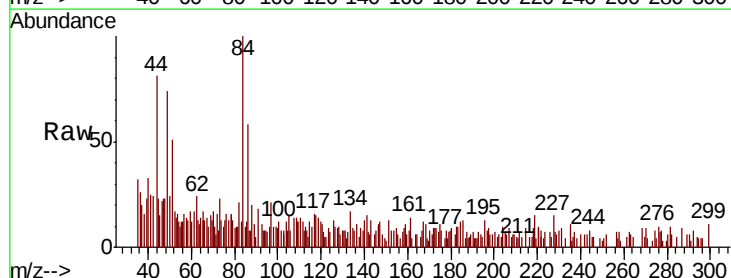
Ion Ratio Lower Upper

84 100

49 61.5 98.2 147.4#

51 32.5 29.9 44.9

86 68.0 49.9 74.9



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

4000

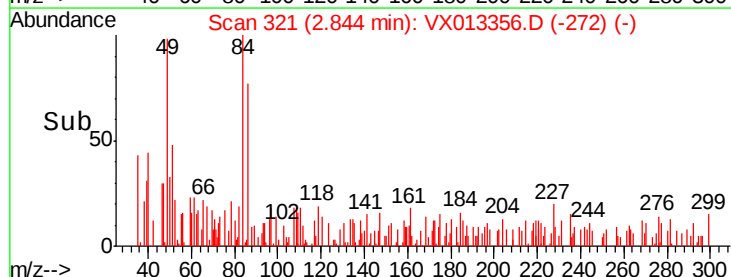
3000

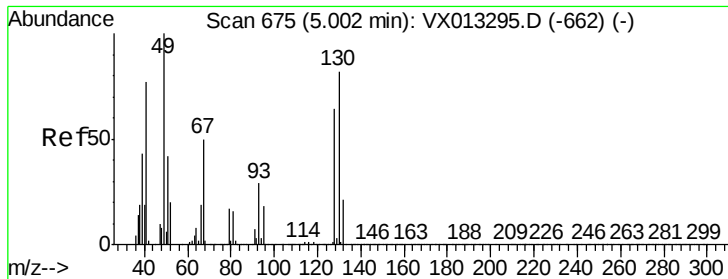
2000

1000

0

Time-->

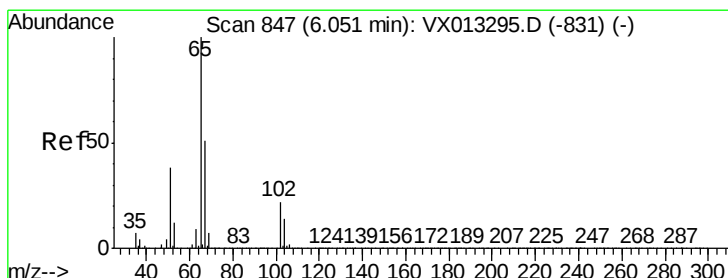
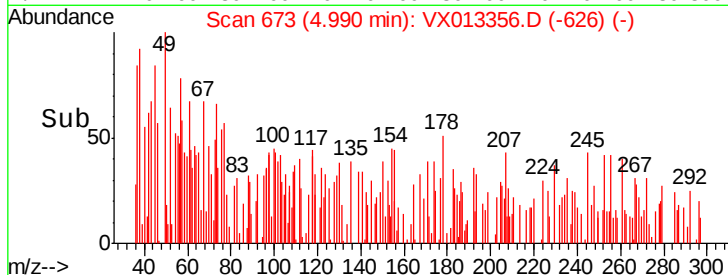
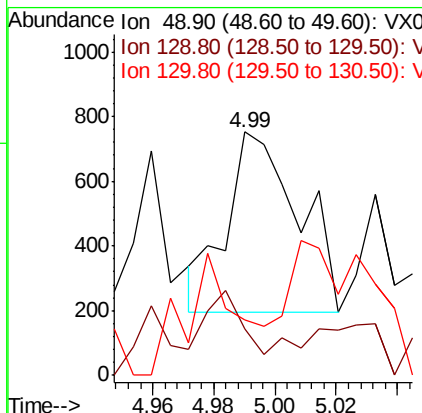
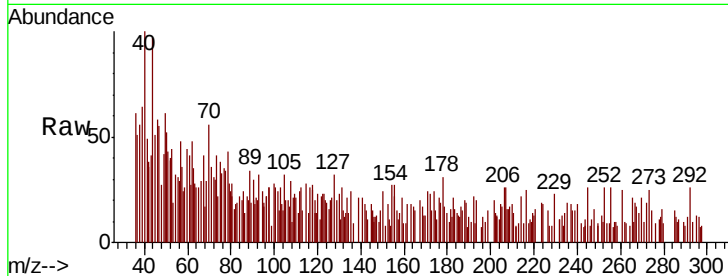




#28
Bromochloromethane
Concen: 0.210 ug/l
RT: 4.99 min Scan# 673
Delta R.T. -0.01 min
Lab File: VX013356.D
Acq: 08 Nov 2019 14:42

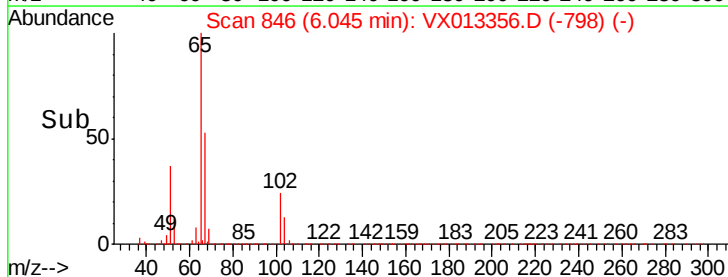
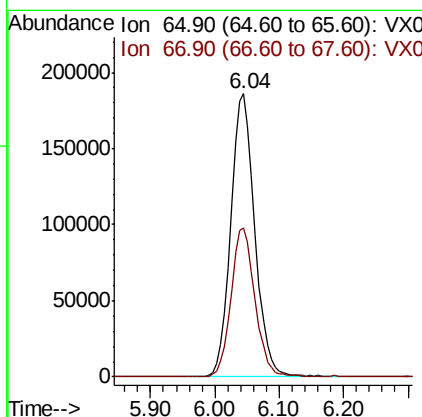
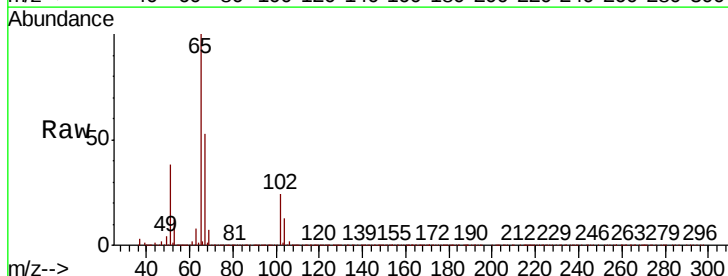
Instrument :
MSVOA_X
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TT-TB-20191107

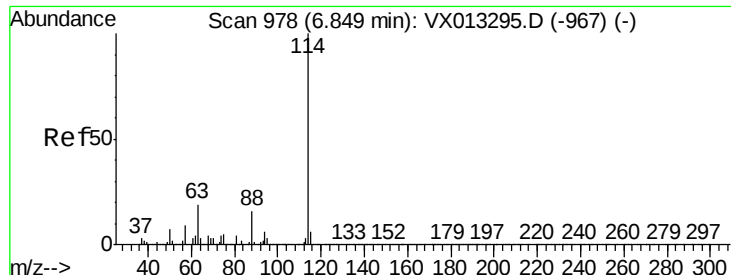
Tot Ion: 49 Resp: 913
Ion Ratio Lower Upper
49 100
129 18.7 0.0 5.2#
130 49.7 63.8 95.6#



#33
1,2-Dichloroethane-d4
Concen: 48.120 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013356.D
Acq: 08 Nov 2019 14:42

Tgt Ion: 65 Resp: 483810
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.2

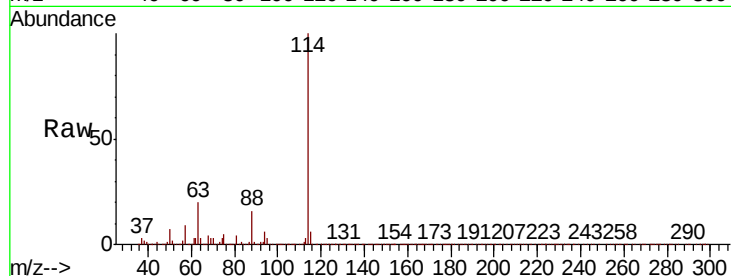




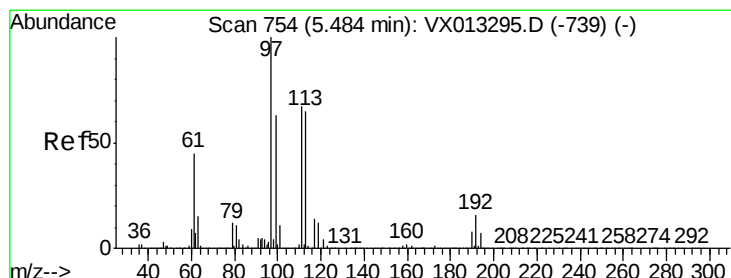
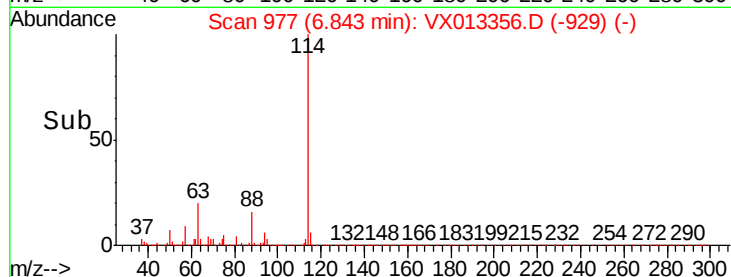
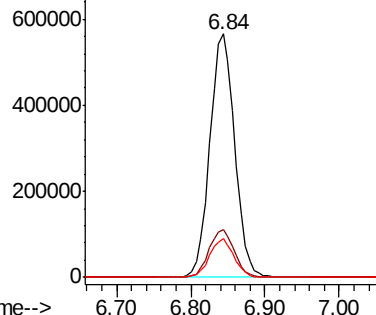
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.84 min Scan# 977
Delta R.T. -0.01 min
Lab File: VX013356.D
Acq: 08 Nov 2019 14:42

Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191107

Tot Ion:114 Resp: 1325846
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 15.7 0.0 32.2

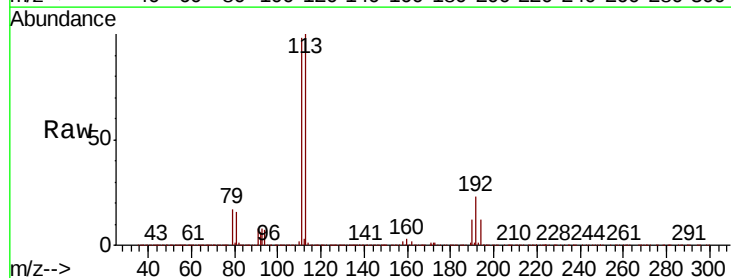


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

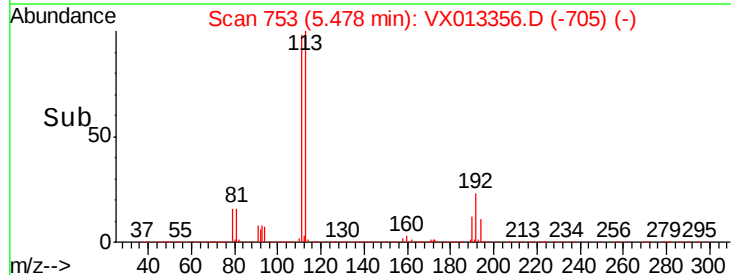
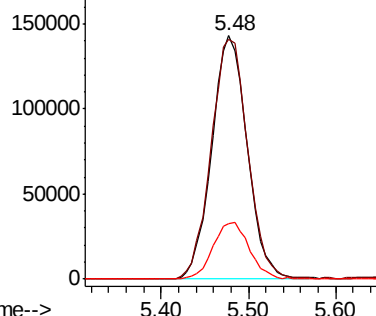


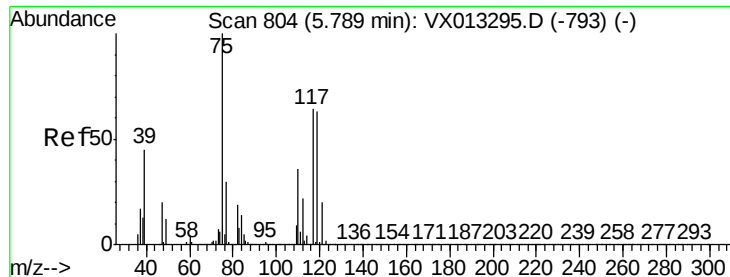
#35
Dibromofluoromethane
Concen: 48.473 ug/l
RT: 5.48 min Scan# 753
Delta R.T. -0.01 min
Lab File: VX013356.D
Acq: 08 Nov 2019 14:42

Tgt Ion:113 Resp: 403099
Ion Ratio Lower Upper
113 100
111 101.8 81.9 122.9
192 23.8 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: 5.131 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.15 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

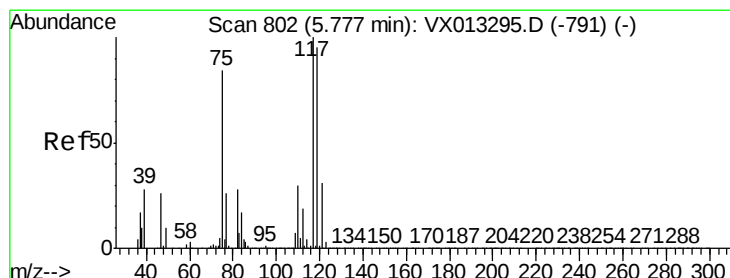
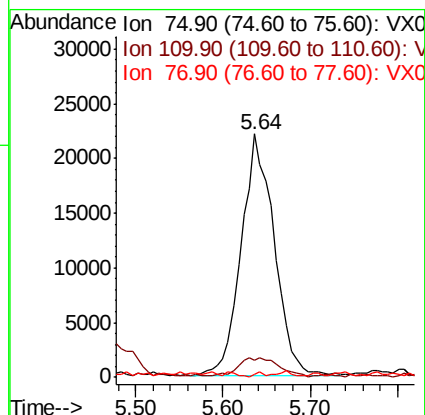
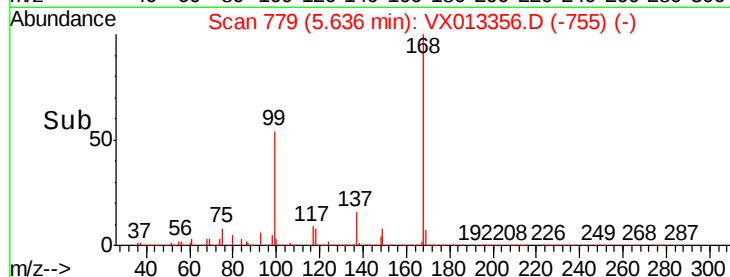
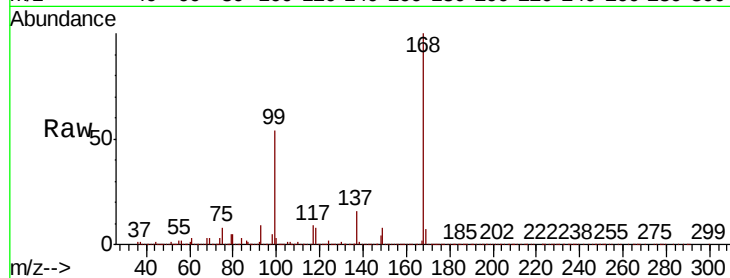
Tot Ion: 75 Resp: 58363

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.1#

77 0.5 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

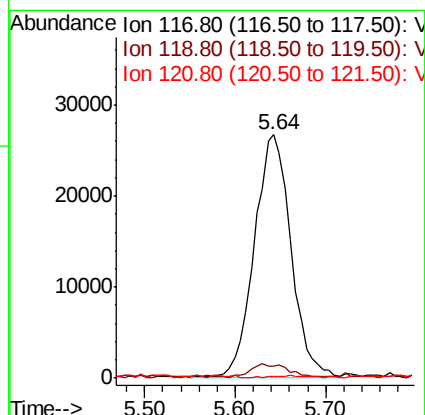
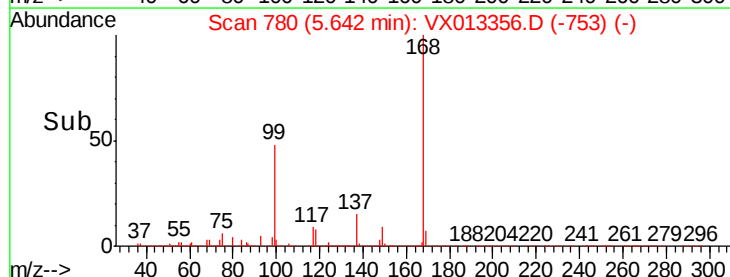
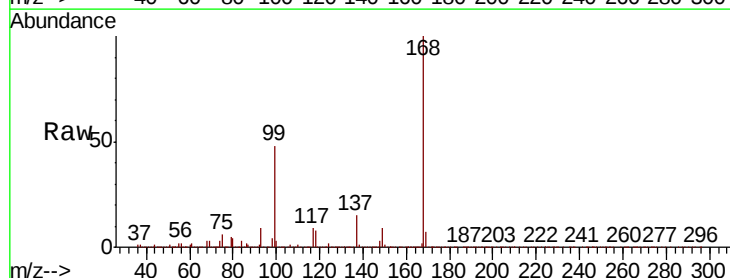
Tgt Ion: 117 Resp: 74026

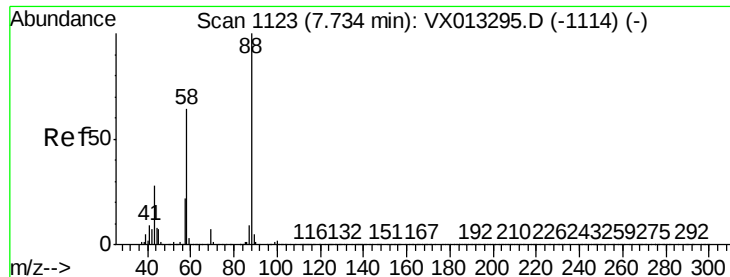
Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

121 0.7 24.6 37.0#





#49

1,4-Dioxane

Concen: 2.654 ug/l

RT: 7.87 min Scan# 1146

Delta R.T. 0.14 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

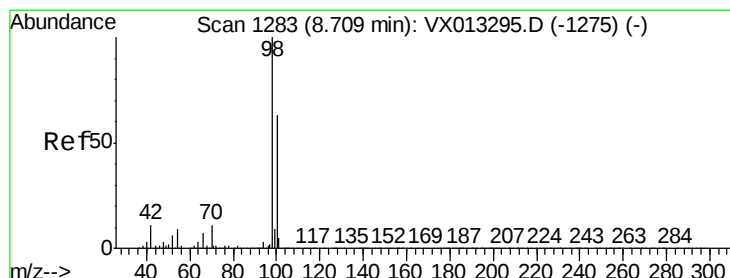
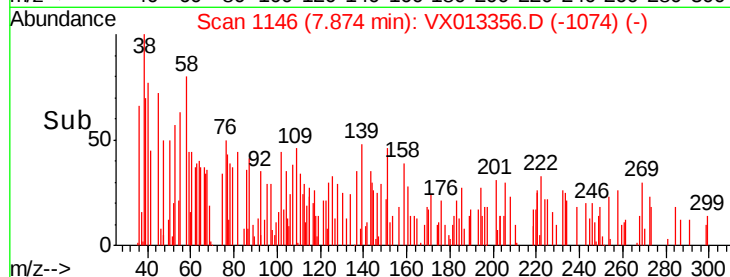
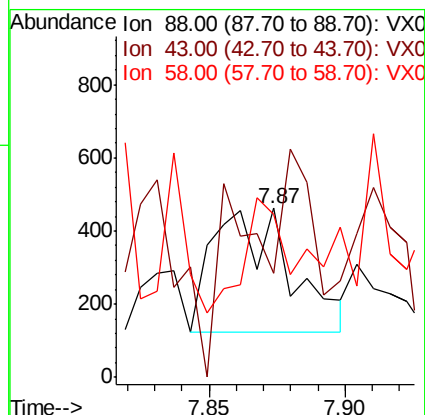
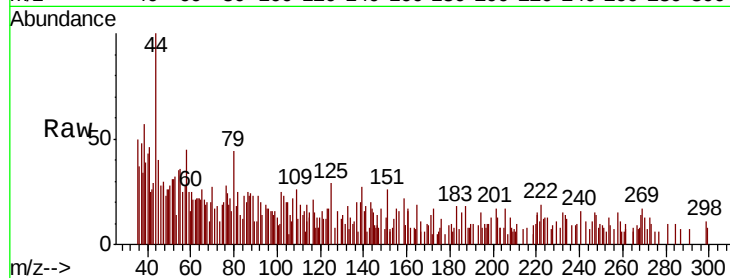
Tot Ion: 88 Resp: 664

Ion Ratio Lower Upper

88 100

43 38.7 26.6 39.8

58 62.3 55.0 82.6



#50

Toluene-d8

Concen: 49.450 ug/l

RT: 8.70 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VX013356.D

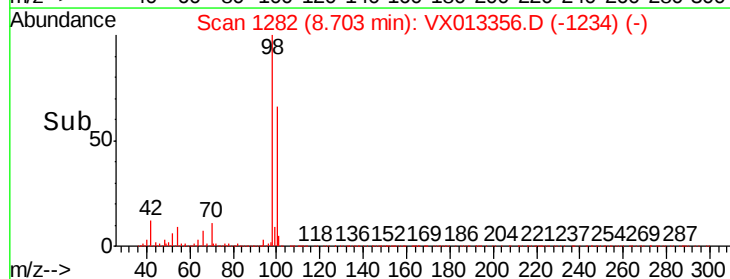
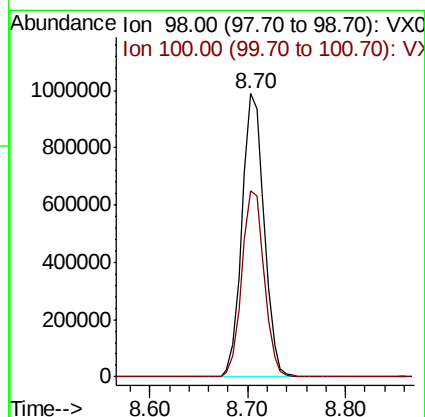
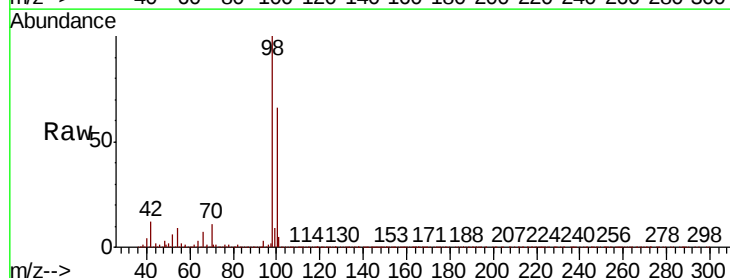
Acq: 08 Nov 2019 14:42

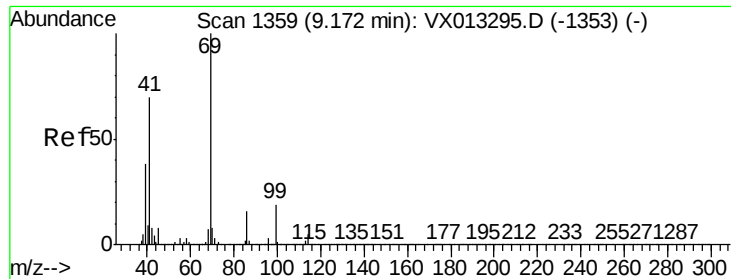
Tgt Ion: 98 Resp: 1550244

Ion Ratio Lower Upper

98 100

100 66.6 52.2 78.2





#56

Ethyl methacrylate

Concen: 1.593 ug/l

RT: 9.17 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

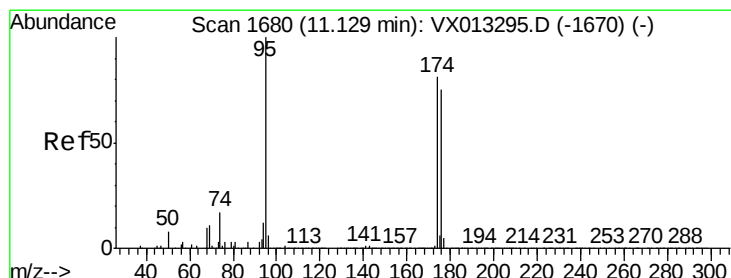
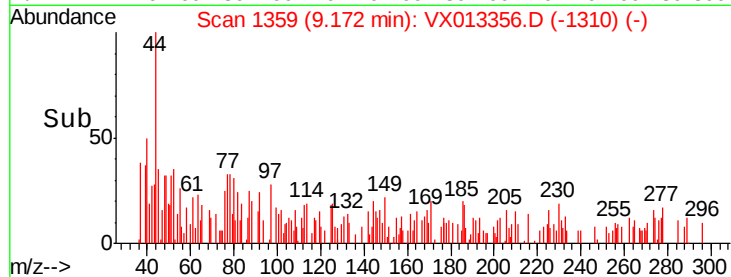
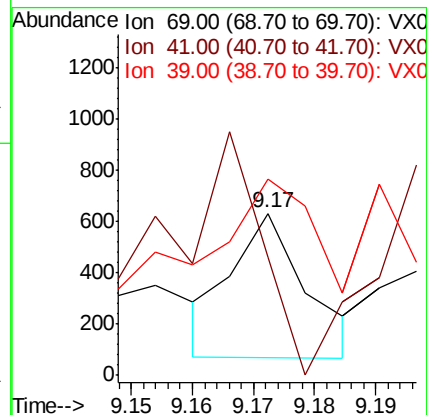
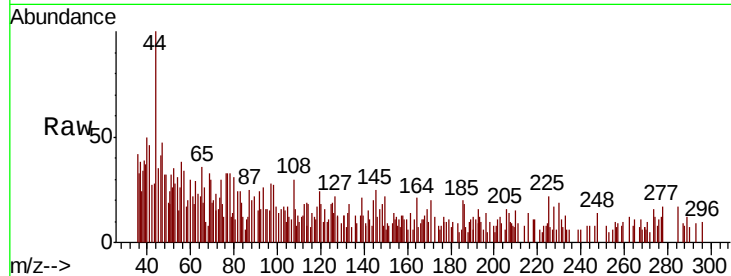
Tot Ion: 69 Resp: 475

Ion Ratio Lower Upper

69 100

41 189.7 56.2 84.2#

39 336.2 31.1 46.7#



#62

4-Bromofluorobenzene

Concen: 47.341 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

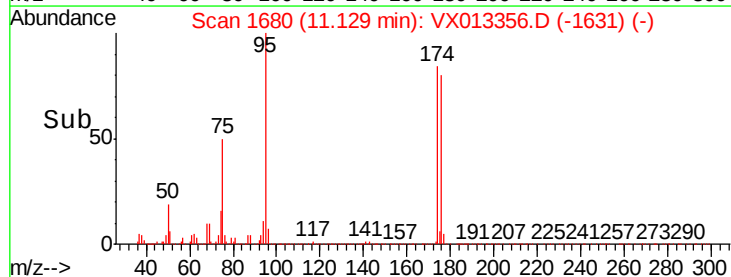
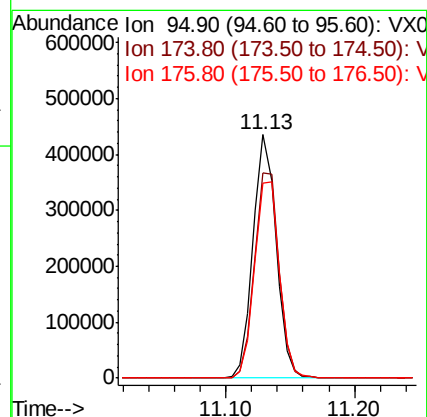
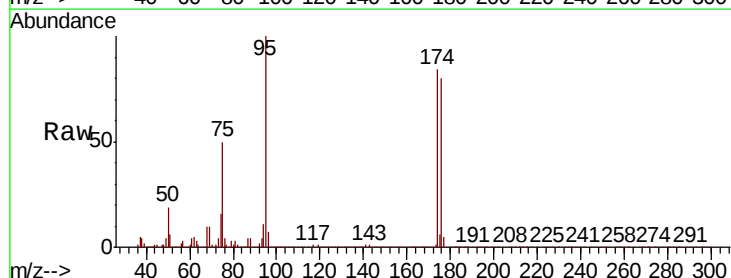
Tgt Ion: 95 Resp: 535637

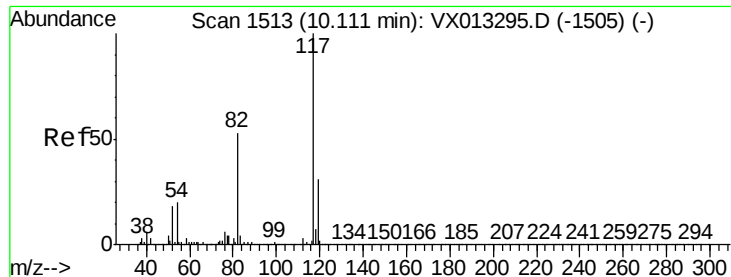
Ion Ratio Lower Upper

95 100

174 89.7 0.0 179.8

176 86.6 0.0 173.0

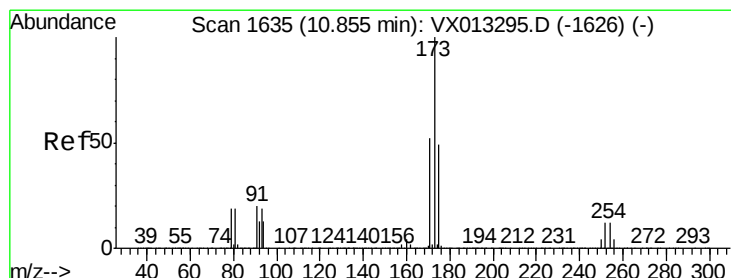
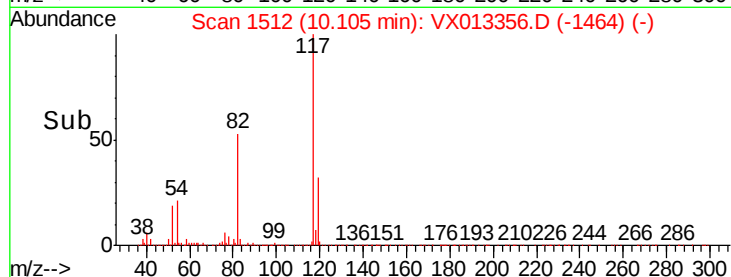
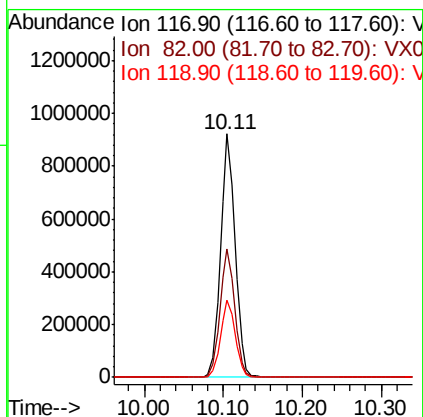
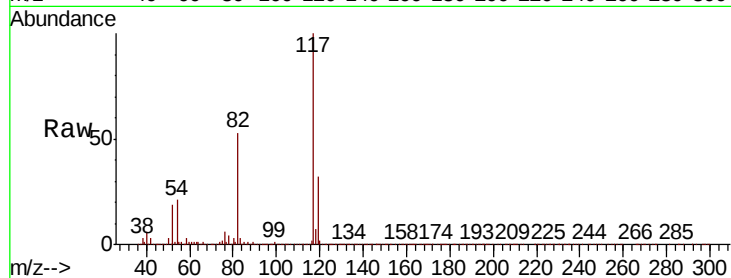




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013356.D
Acq: 08 Nov 2019 14:42

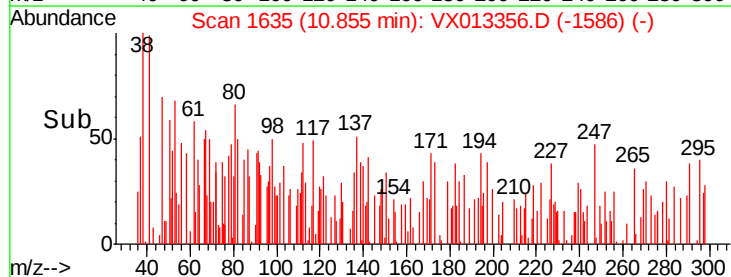
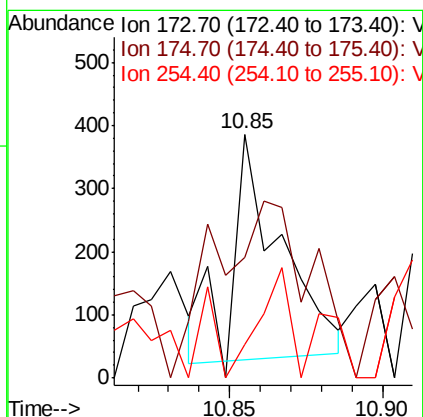
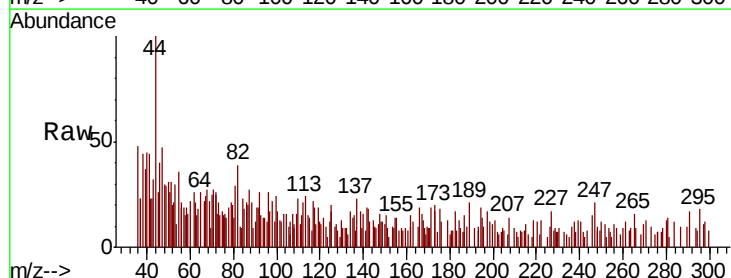
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191107

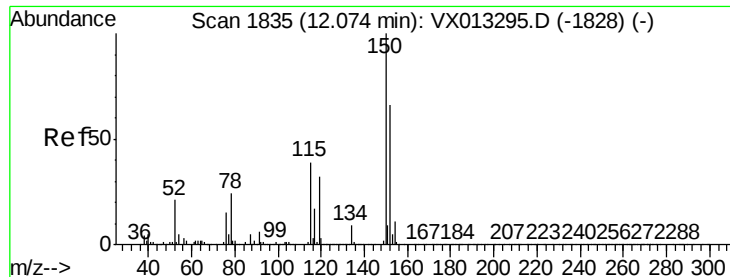
Tot Ion:117 Resp: 1186207
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 31.7 24.8 37.2



#71
Bromoform
Concen: 3.248 ug/l
RT: 10.85 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VX013356.D
Acq: 08 Nov 2019 14:42

Tgt Ion:173 Resp: 395
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 13.4 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

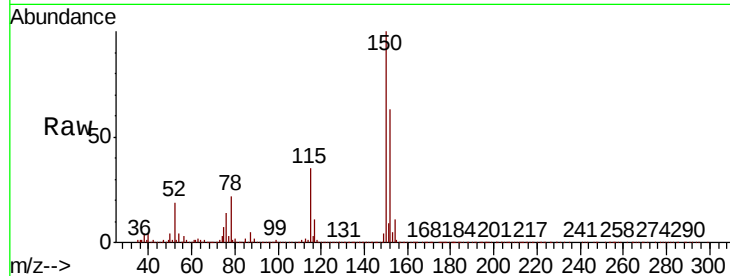
Tot Ion:152 Resp: 549796

Ion Ratio Lower Upper

152 100

115 55.6 39.5 118.3

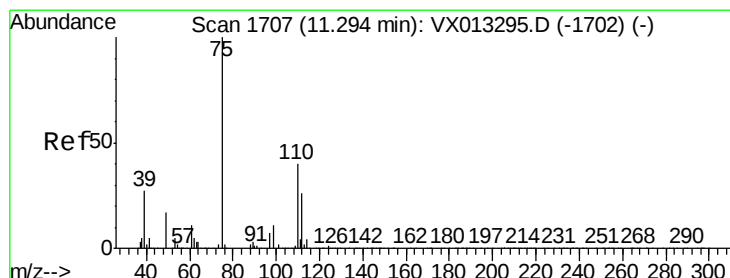
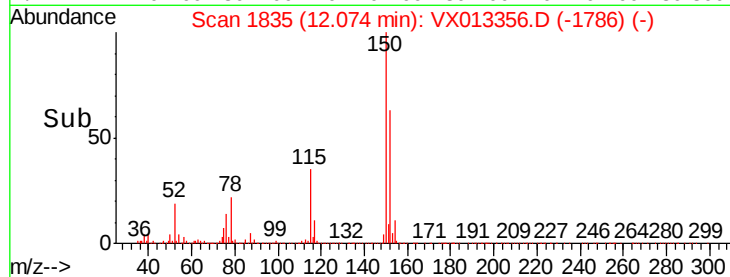
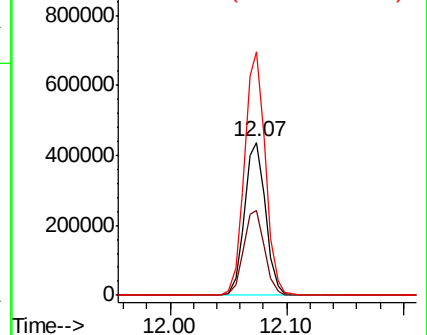
150 158.0 0.0 344.4



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: 23.548 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013356.D

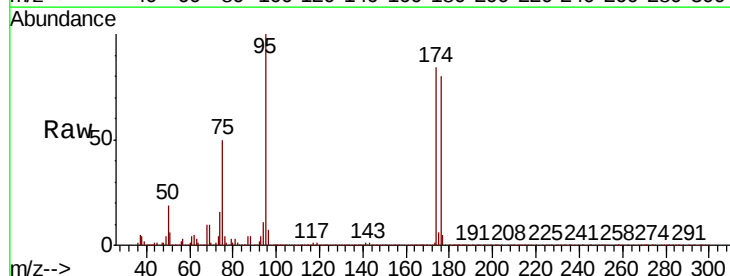
Acq: 08 Nov 2019 14:42

Tgt Ion: 75 Resp: 262964

Ion Ratio Lower Upper

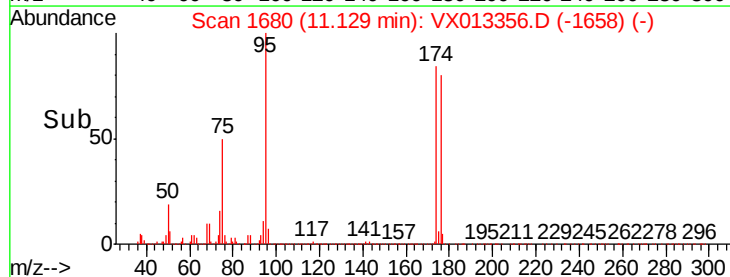
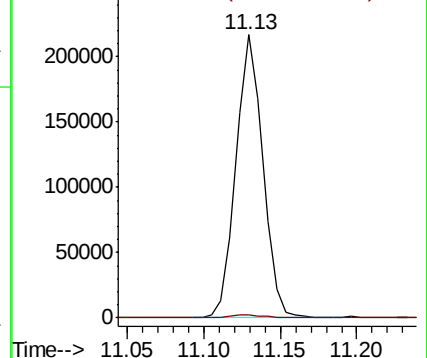
75 100

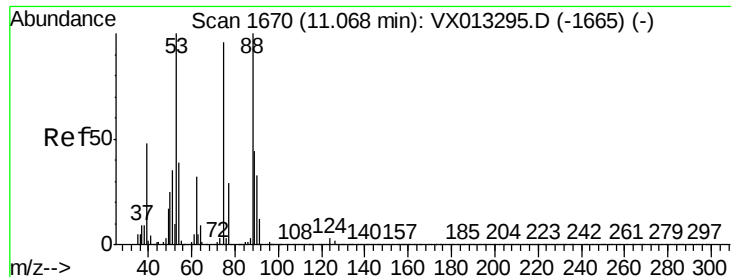
77 1.2 22.3 66.8#



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: 60.612 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013356.D

Acq: 08 Nov 2019 14:42

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191107

Tot Ion: 75 Resp: 262964

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.6#

89 0.1 36.0 54.0#

