

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110619\
 Data File : VX013340.D
 Acq On : 06 Nov 2019 13:51
 Operator : JC/SP
 Sample : K5713-01RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT-TB-20191105

Quant Time: Nov 07 02:15:14 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	807990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1223131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1092705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	497665	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	448339	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
35) Dibromofluoromethane	5.48	113	369708	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
50) Toluene-d8	8.71	98	1454839	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
62) 4-Bromofluorobenzene	11.13	95	496334	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

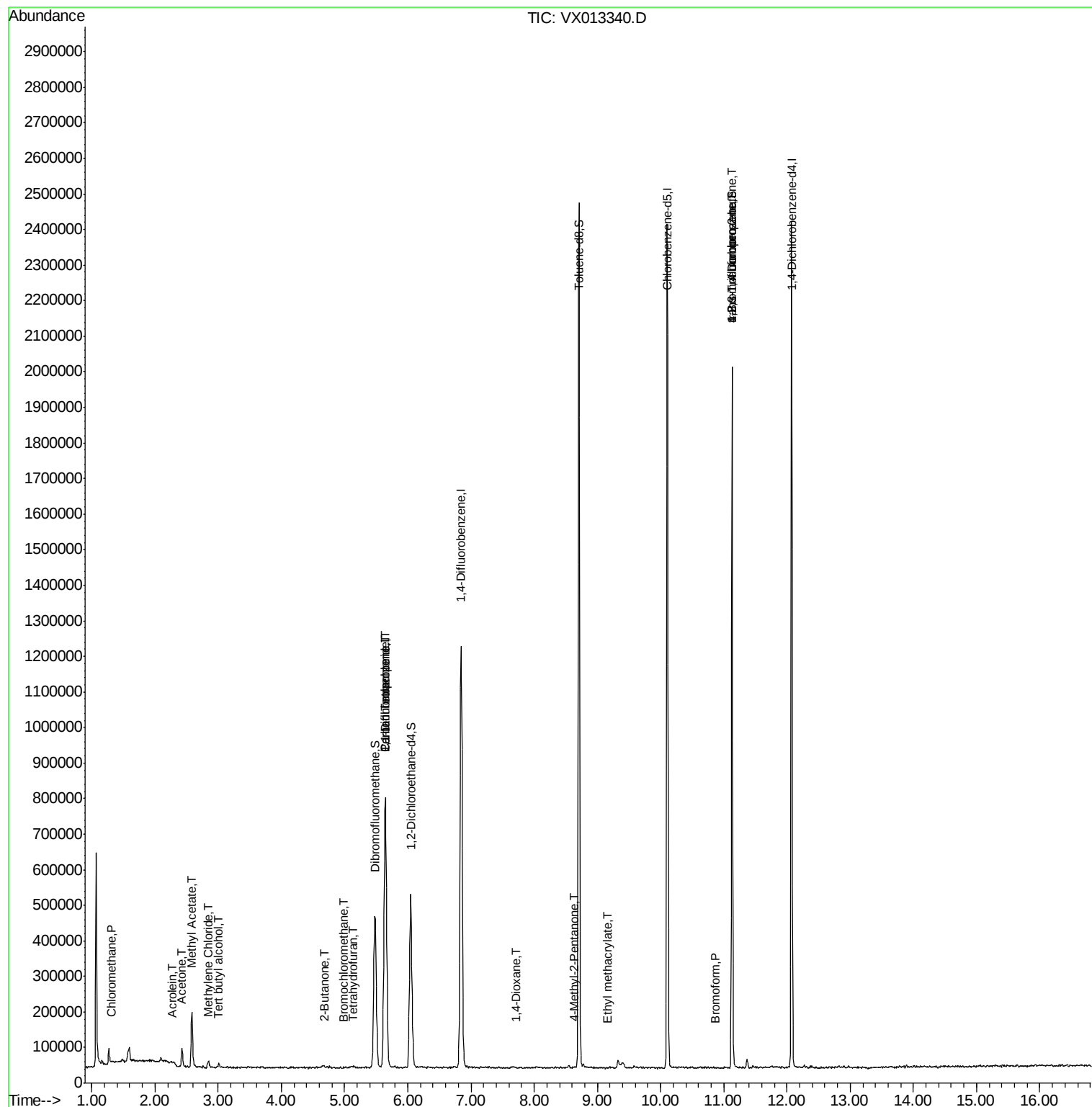
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2021	0.200	ug/l #	60
6) Chloroethane	1.64	64	3001	Below Cal	#	72
11) Tert butyl alcohol	3.01	59	10881	4.313	ug/l	95
13) Acrolein	2.28	56	707	0.517	ug/l #	69
16) Acetone	2.42	43	60428	12.656	ug/l	100
18) Methyl Acetate	2.59	43	40095	3.042	ug/l #	55
20) Methylene Chloride	2.84	84	9828	1.114	ug/l	94
25) 2-Butanone	4.67	43	8290	1.184	ug/l #	81
28) Bromochloromethane	4.98	49	1233	0.299	ug/l #	35
29) Tetrahydrofuran	5.13	42	5125	1.187	ug/l	95
36) 1,1-Dichloropropene	5.65	75	54424	5.187	ug/l #	50
38) Carbon Tetrachloride	5.64	117	69705	6.793	ug/l #	15
49) 1,4-Dioxane	7.73	88	403	1.746	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	2898	0.219	ug/l #	68
56) Ethyl methacrylate	9.16	69	179	1.575	ug/l #	1
71) Bromoform	10.86	173	215	3.229	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	244825	24.220	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	244825	62.343	ug/l #	9

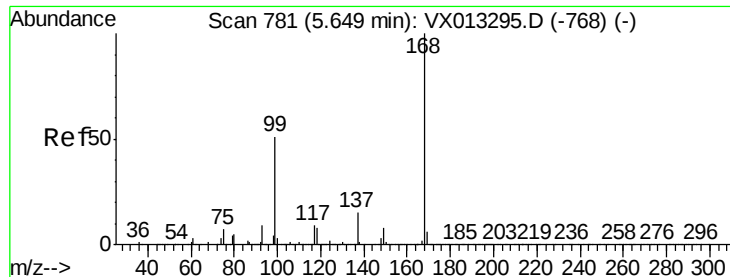
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

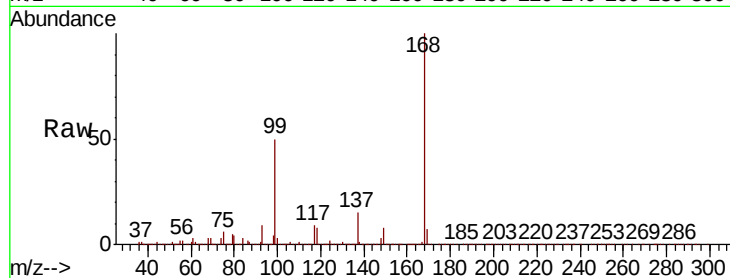
TT-TB-20191105

Tot Ion:168 Resp: 807990

Ion Ratio Lower Upper

168 100

99 49.9 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

250000

200000

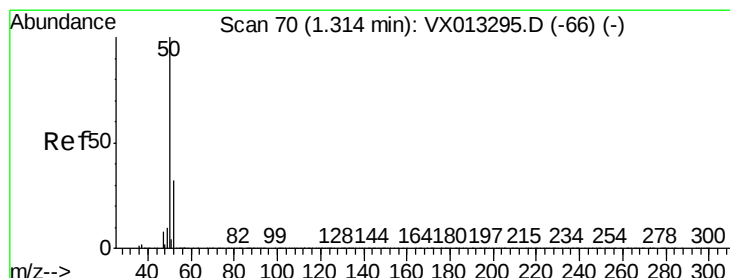
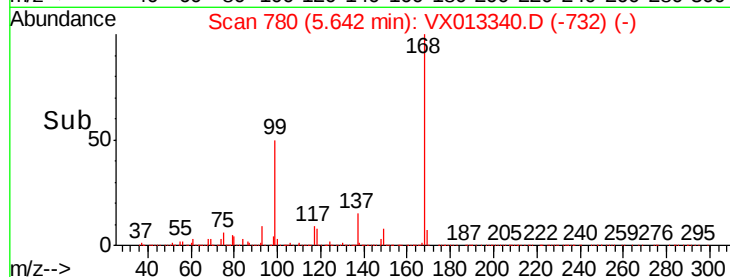
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.200 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.00 min

Lab File: VX013340.D

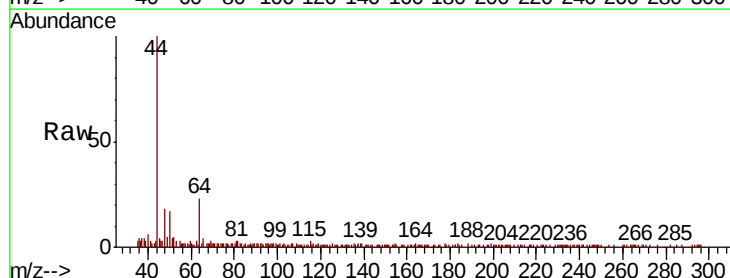
Acq: 06 Nov 2019 13:51

Tgt Ion: 50 Resp: 2021

Ion Ratio Lower Upper

50 100

52 9.7 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

2000

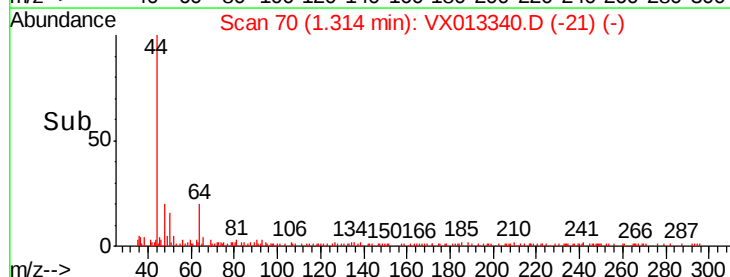
1500

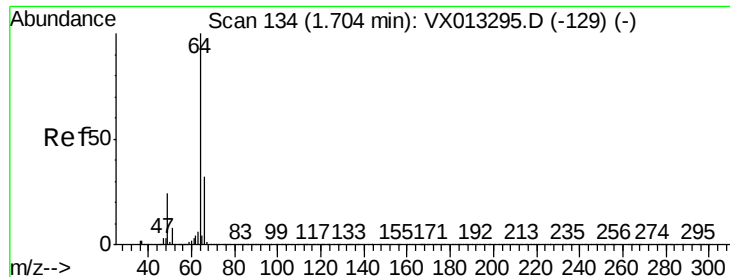
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. -0.06 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

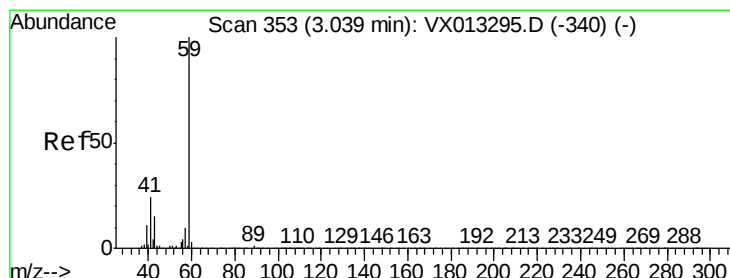
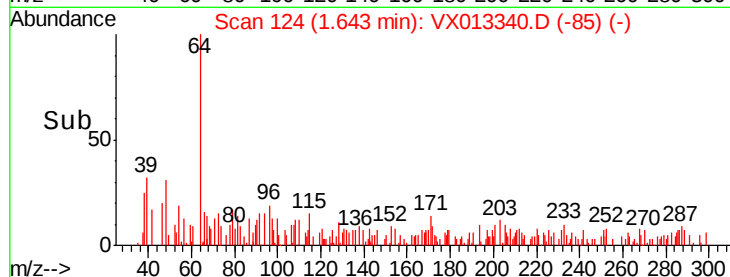
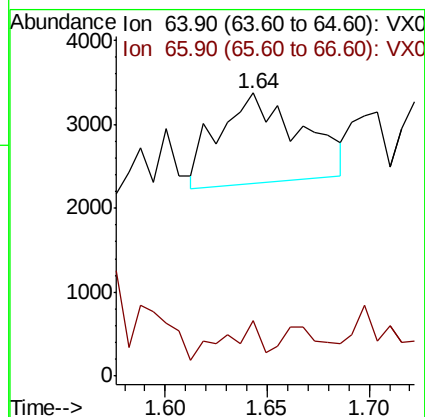
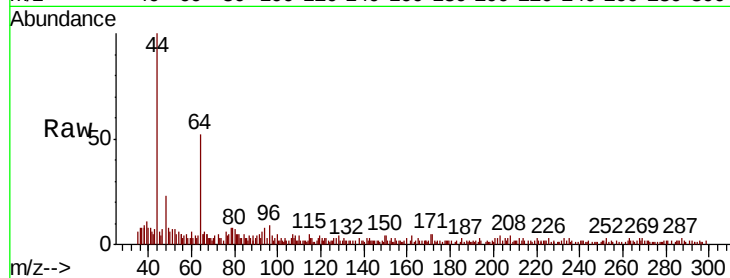
TT-TB-20191105

Tot Ion: 64 Resp: 3001

Ion Ratio Lower Upper

64 100

66 47.5 25.6 38.4#



#11

Tert butyl alcohol

Concen: 4.313 ug/l

RT: 3.01 min Scan# 349

Delta R.T. -0.02 min

Lab File: VX013340.D

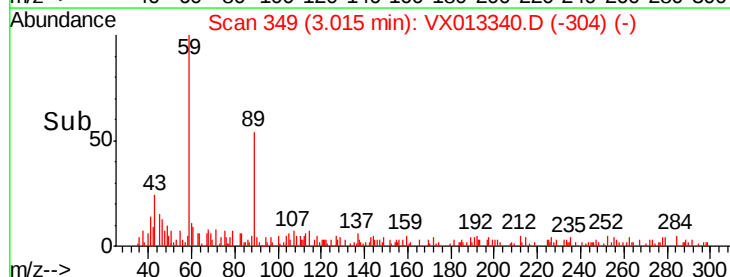
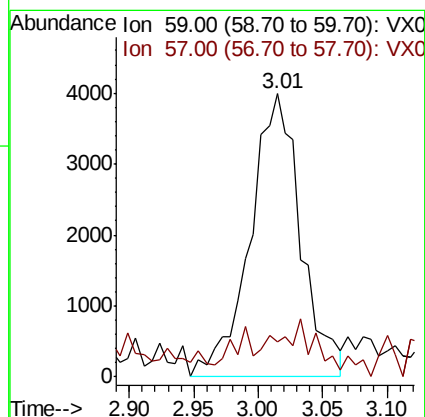
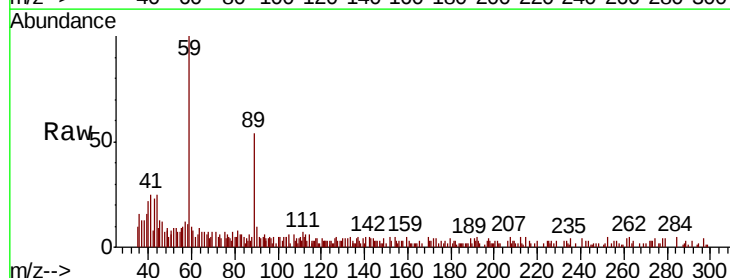
Acq: 06 Nov 2019 13:51

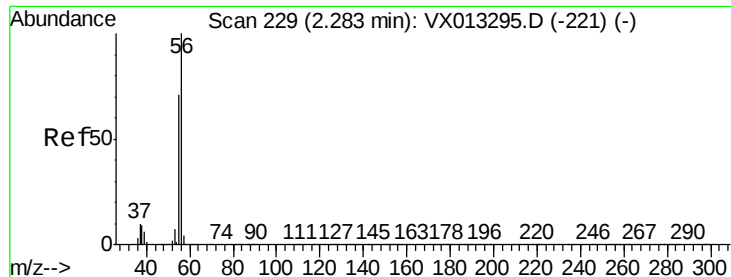
Tgt Ion: 59 Resp: 10881

Ion Ratio Lower Upper

59 100

57 11.8 8.0 12.0

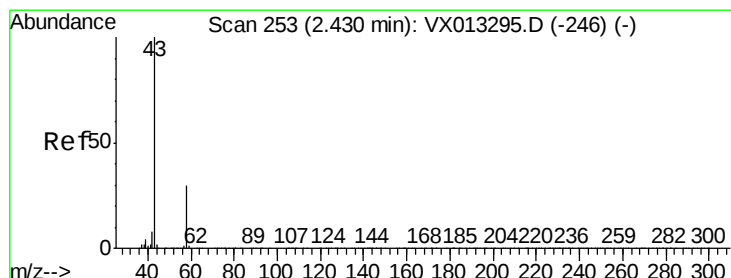
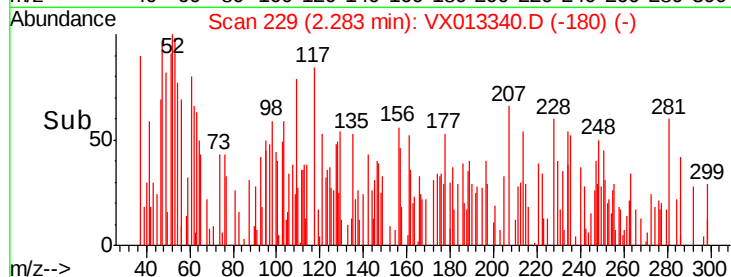
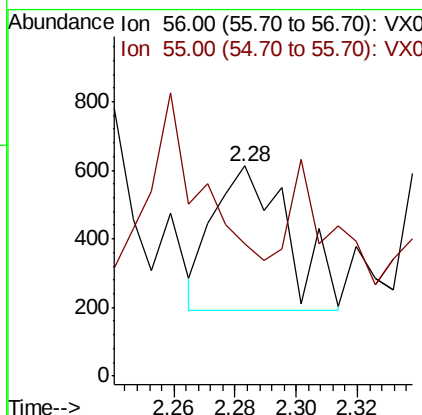
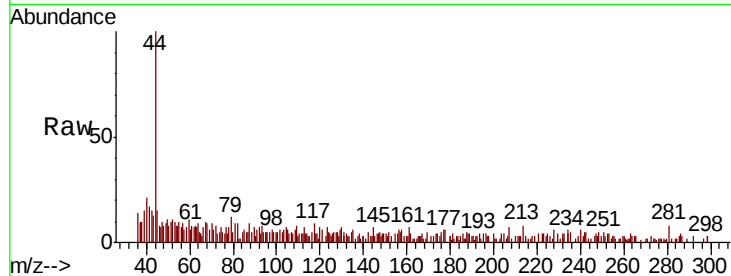




#13
Acrolein
Concen: 0.517 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

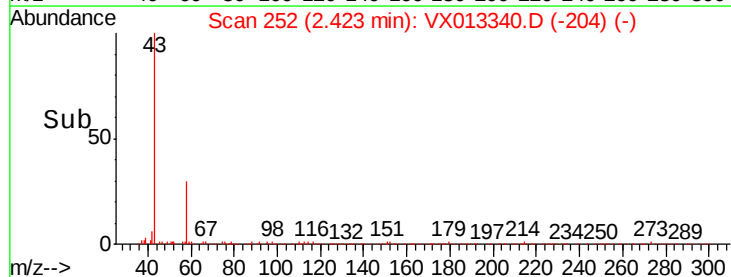
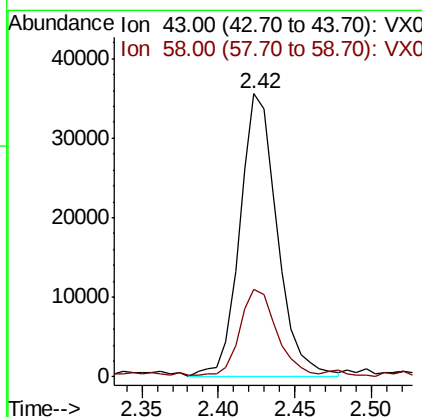
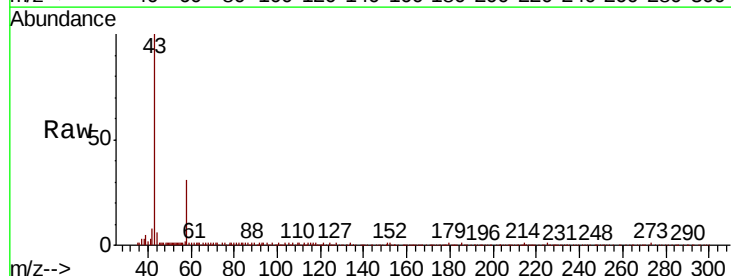
Instrument :
MSVOA_X
ClientSampled :
TT-TB-20191105

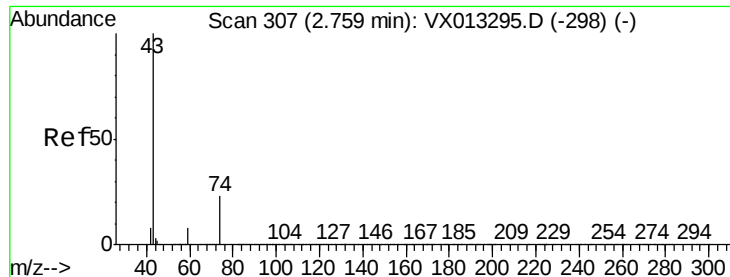
Tot Ion: 56 Resp: 707
Ion Ratio Lower Upper
56 100
55 45.7 57.4 86.0#



#16
Acetone
Concen: 12.656 ug/l
RT: 2.42 min Scan# 252
Delta R.T. -0.01 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

Tgt Ion: 43 Resp: 60428
Ion Ratio Lower Upper
43 100
58 30.4 24.3 36.5

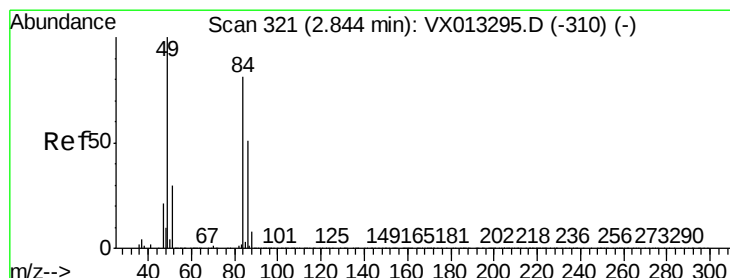
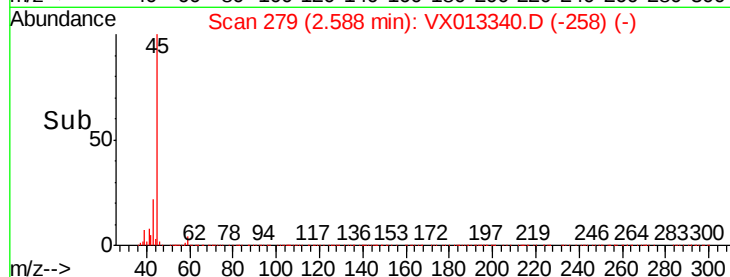
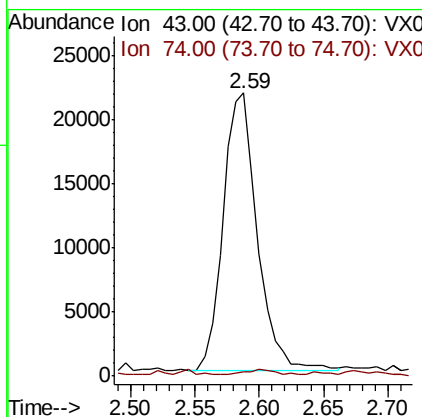
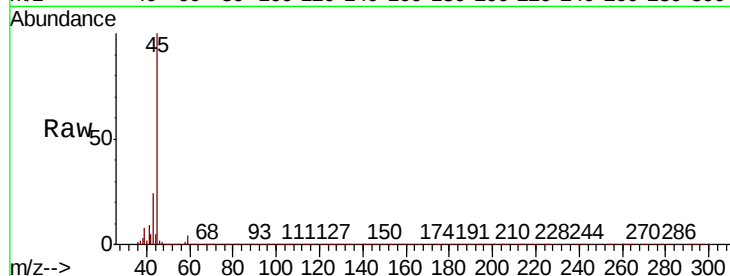




#18
Methvl Acetate
Concen: 3.042 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

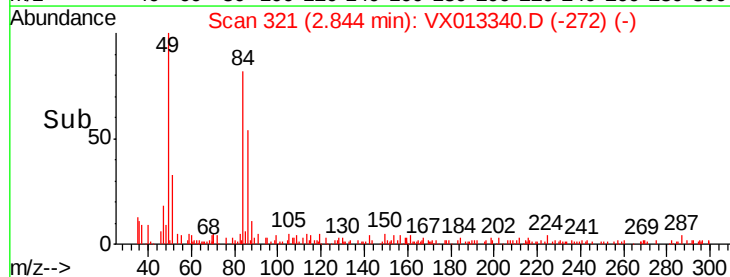
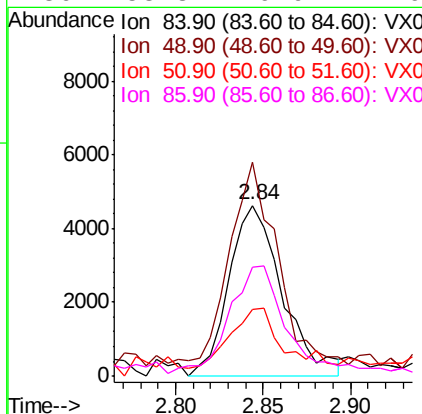
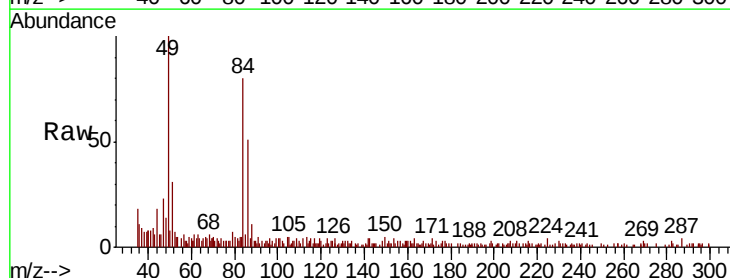
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

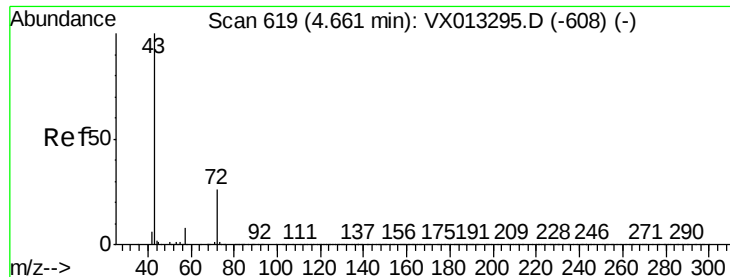
Tot Ion: 43 Resp: 40095
Ion Ratio Lower Upper
43 100
74 1.7 19.0 28.6#



#20
Methylene Chloride
Concen: 1.114 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

Tgt Ion: 84 Resp: 9828
Ion Ratio Lower Upper
84 100
49 116.3 98.2 147.4
51 34.2 29.9 44.9
86 58.3 49.9 74.9





#25

2-Butanone

Concen: 1.184 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

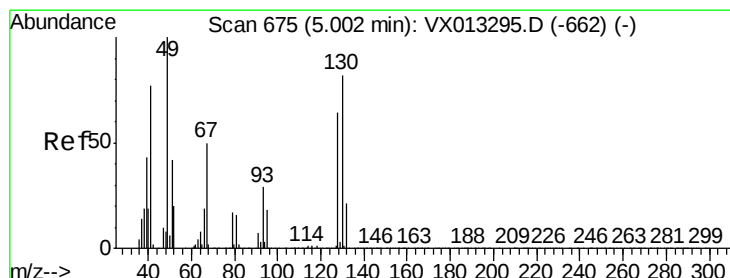
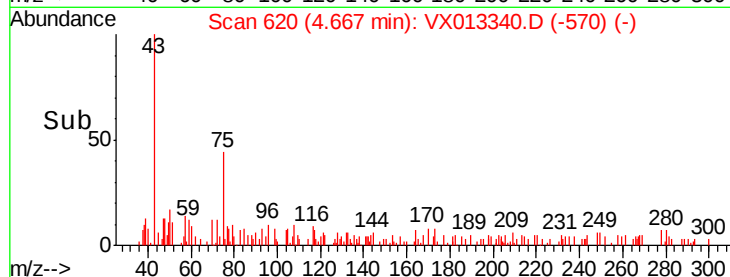
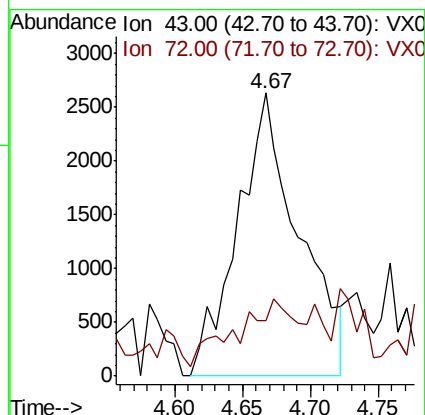
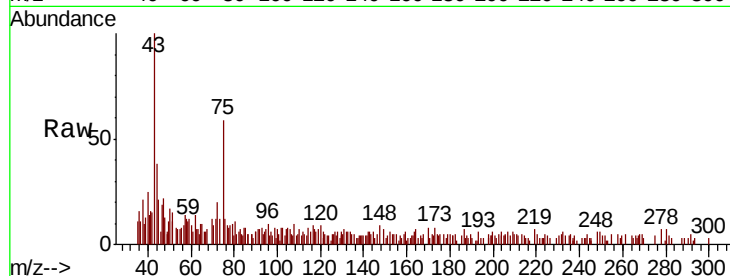
TT-TB-20191105

Tot Ion: 43 Resp: 8290

Ion Ratio Lower Upper

43 100

72 16.3 21.0 31.6#



#28

Bromochloromethane

Concen: 0.299 ug/l

RT: 4.98 min Scan# 672

Delta R.T. -0.02 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

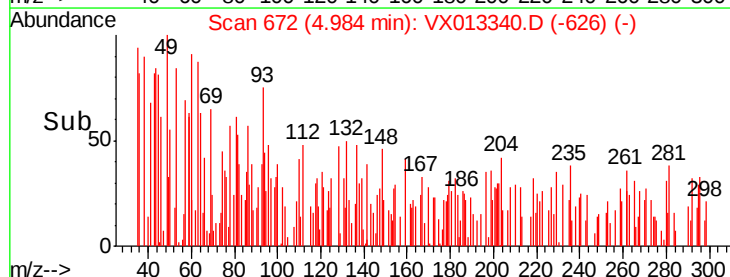
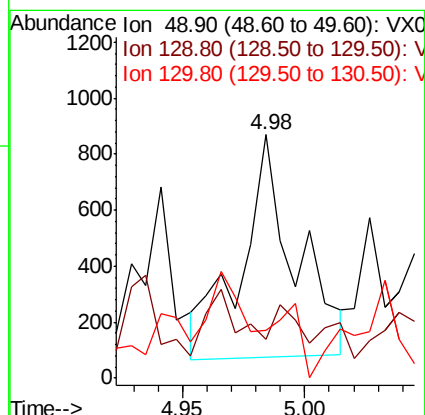
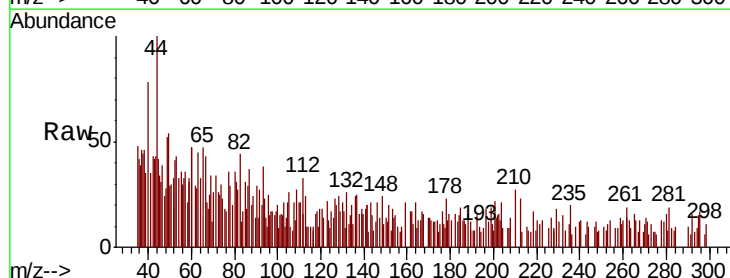
Tgt Ion: 49 Resp: 1233

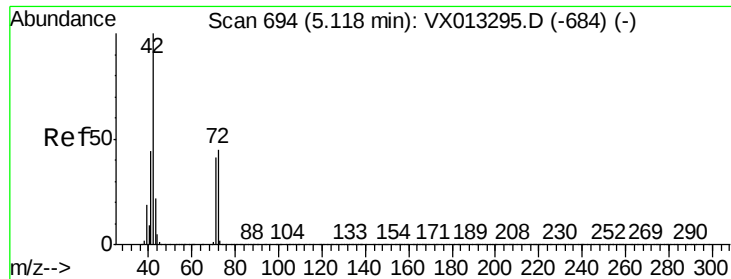
Ion Ratio Lower Upper

49 100

129 18.9 0.0 5.2#

130 21.7 63.8 95.6#

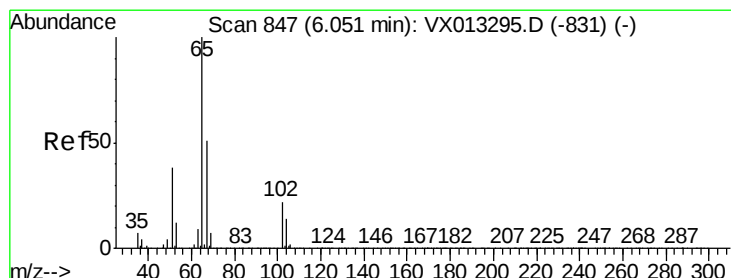
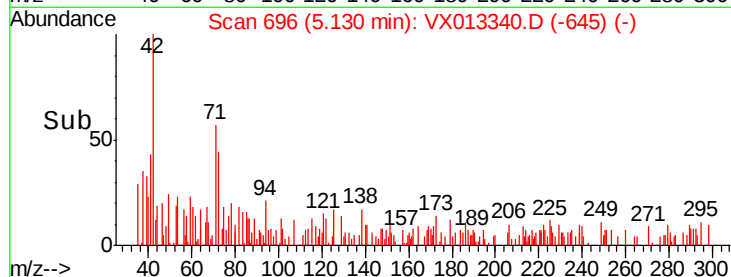
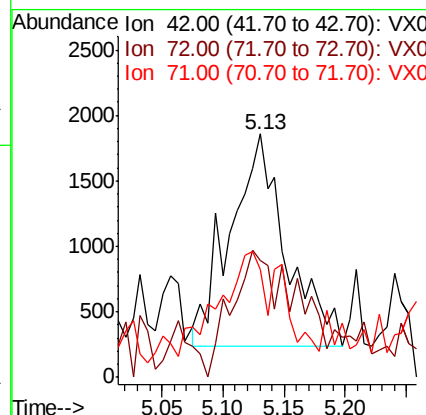
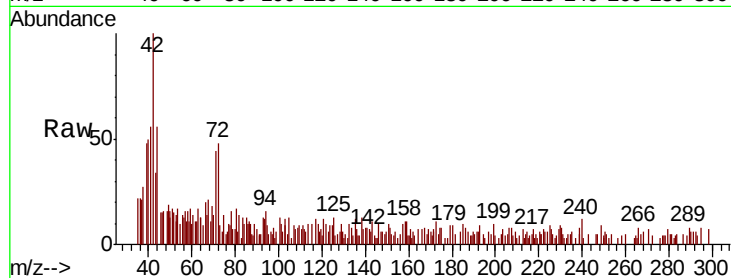




#29
Tetrahydrofuran
Concen: 1.187 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.01 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

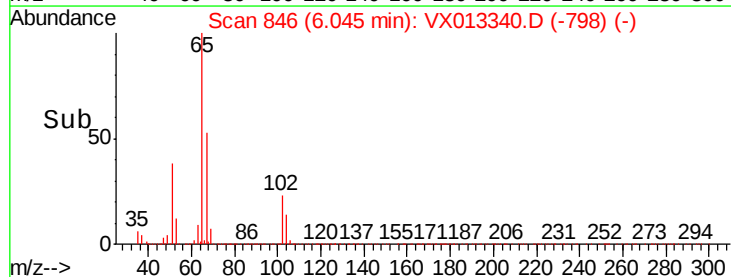
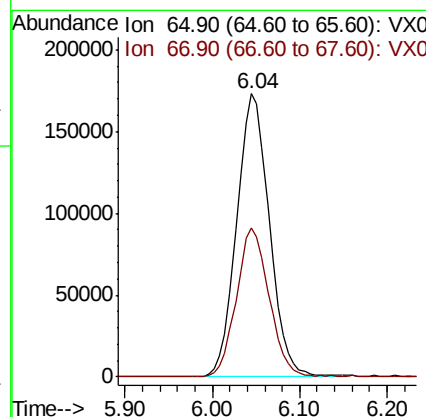
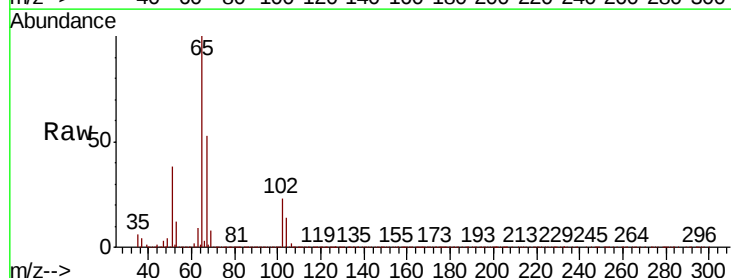
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

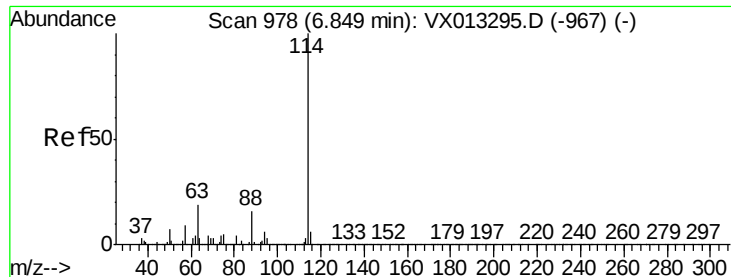
Tot Ion: 42 Resp: 5125
Ion Ratio Lower Upper
42 100
72 42.1 35.8 53.8
71 38.2 33.4 50.0



#33
1,2-Dichloroethane-d4
Concen: 46.837 ug/l
RT: 6.04 min Scan# 846
Delta R.T. -0.01 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

Tgt Ion: 65 Resp: 448339
Ion Ratio Lower Upper
65 100
67 52.4 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: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

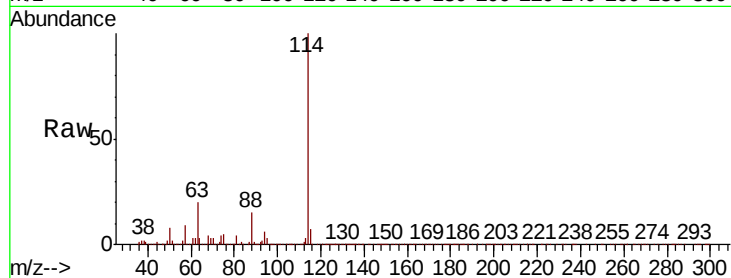
Tot Ion:114 Resp: 1223131

Ion Ratio Lower Upper

114 100

63 20.3 0.0 38.4

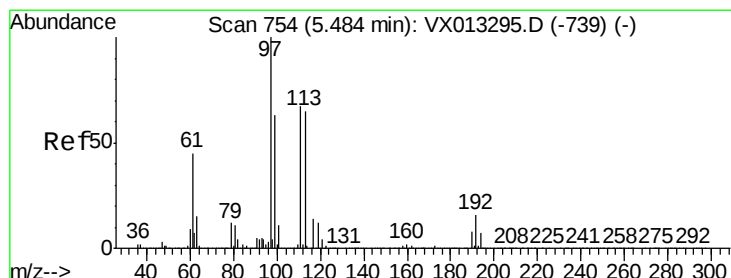
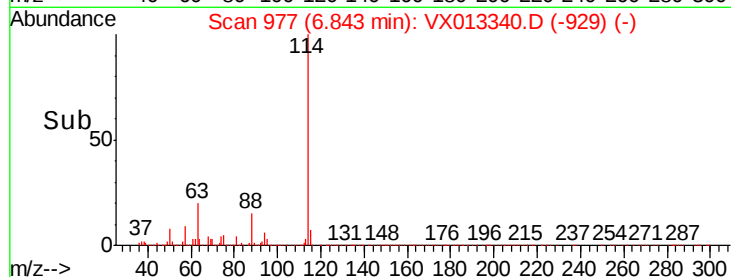
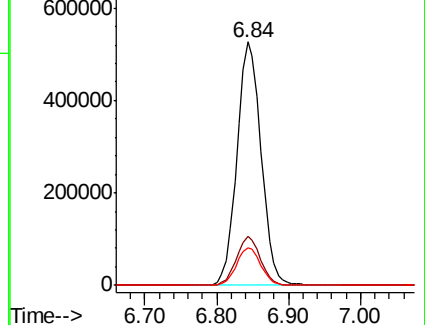
88 15.3 0.0 32.2



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: 48.192 ug/l

RT: 5.48 min Scan# 753

Delta R.T. -0.01 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

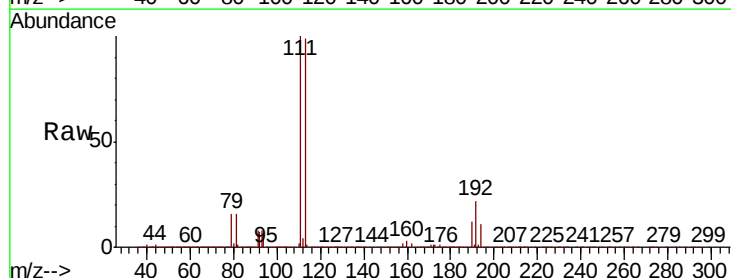
Tgt Ion:113 Resp: 369708

Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

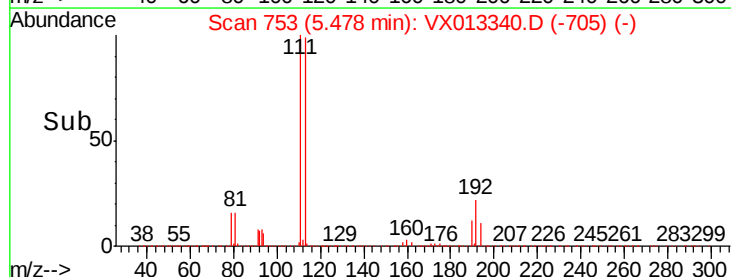
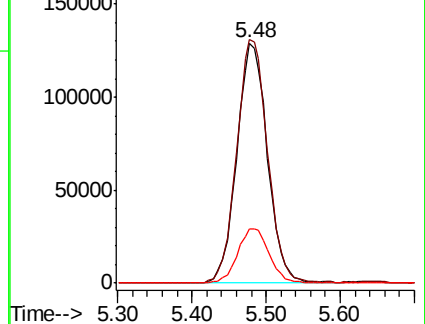
192 23.8 19.1 28.7

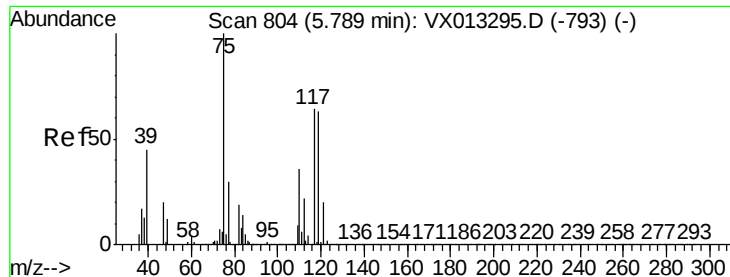


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.187 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

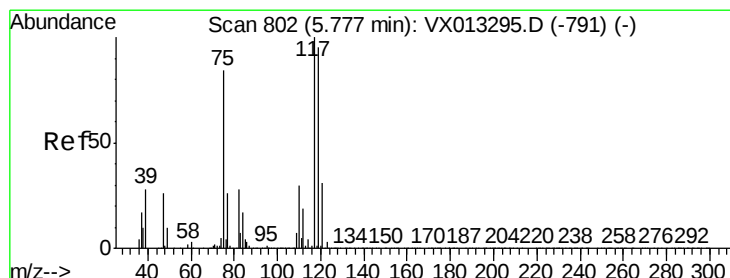
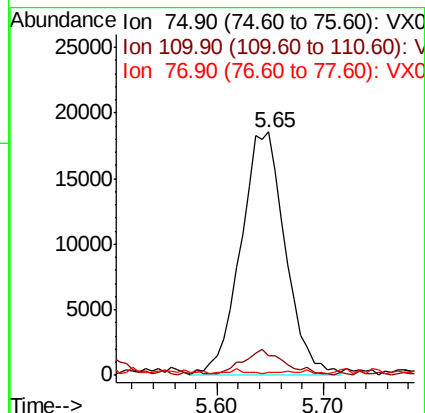
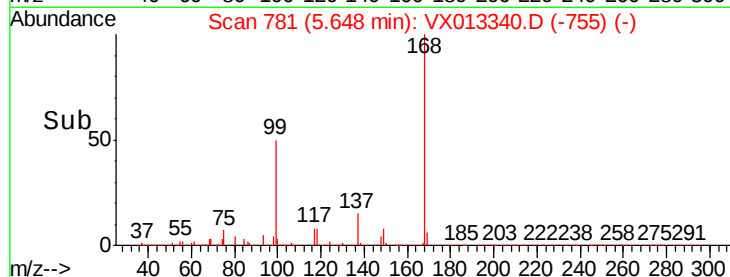
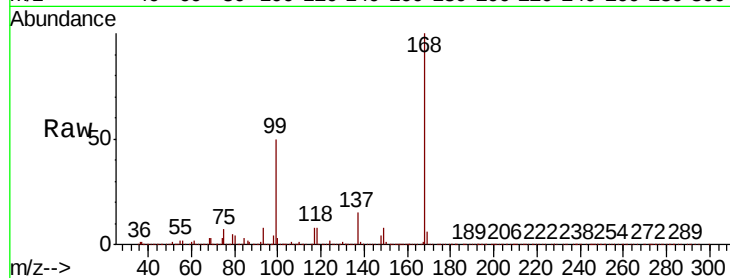
Tot Ion: 75 Resp: 54424

Ion Ratio Lower Upper

75 100

110 9.6 18.1 54.1#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.793 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

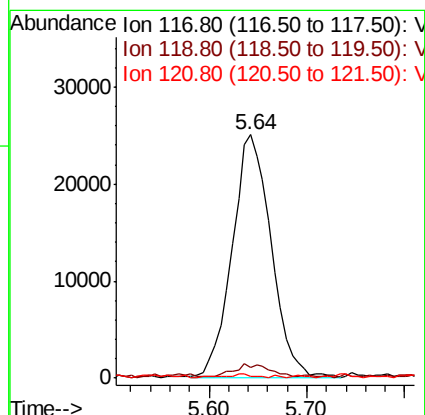
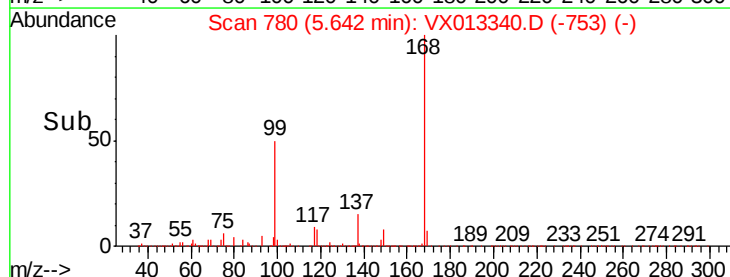
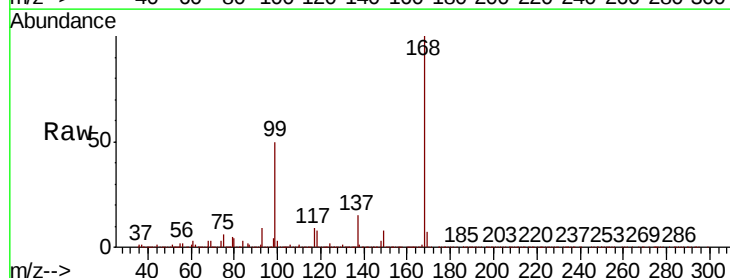
Tgt Ion: 117 Resp: 69705

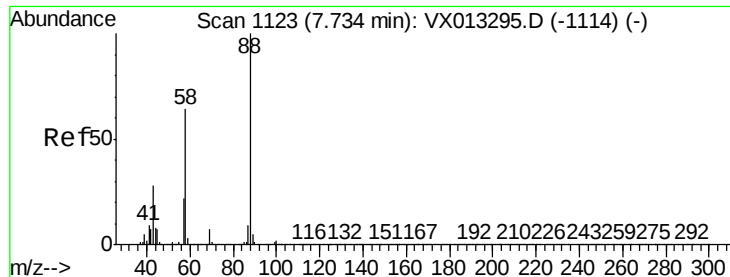
Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

121 0.2 24.6 37.0#





#49

1,4-Dioxane

Concen: 1.746 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

TT-TB-20191105

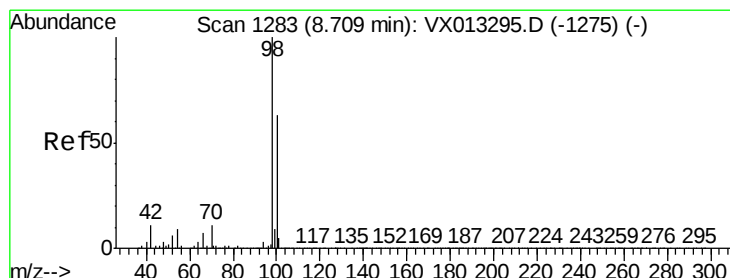
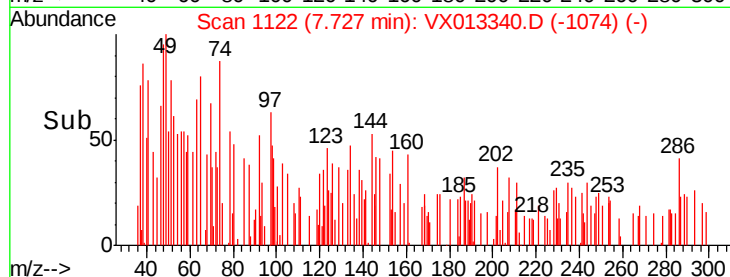
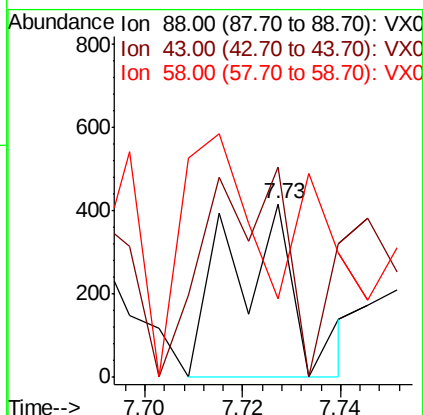
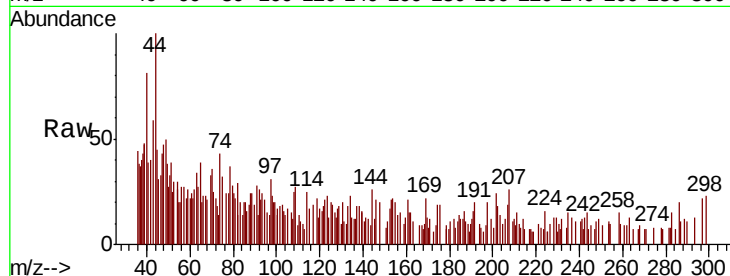
Tot Ion: 88 Resp: 403

Ion Ratio Lower Upper

88 100

43 137.2 26.6 39.8#

58 151.4 55.0 82.6#



#50

Toluene-d8

Concen: 50.303 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013340.D

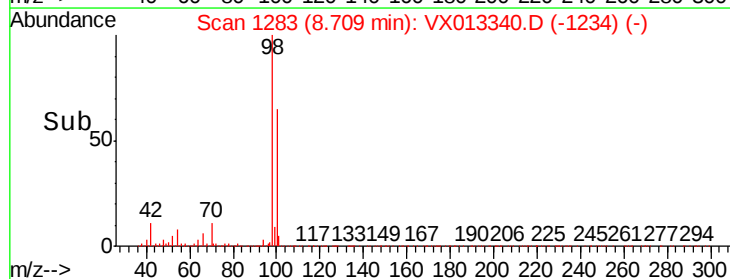
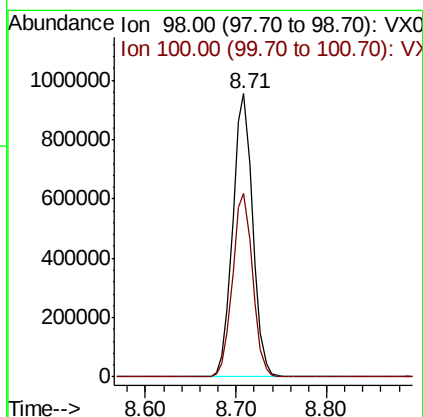
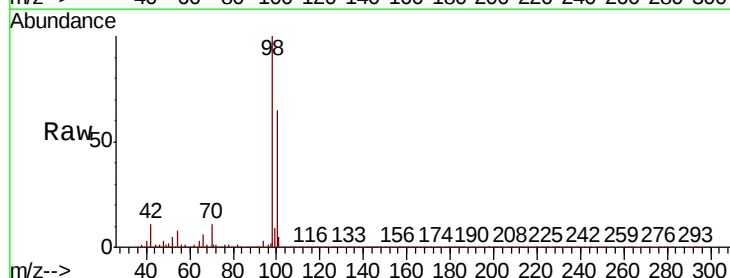
Acq: 06 Nov 2019 13:51

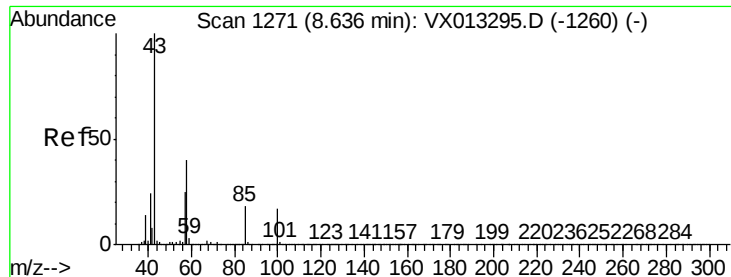
Tgt Ion: 98 Resp: 1454839

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 0.219 ug/l

RT: 8.63 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

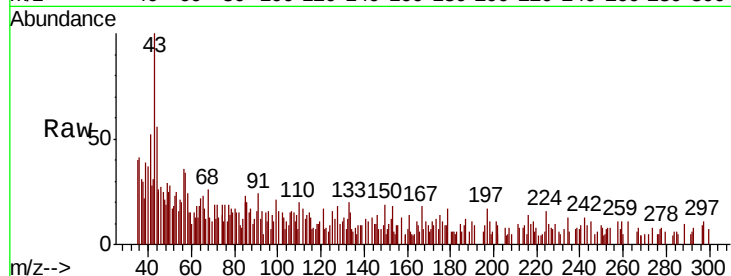
TT-TB-20191105

Tot Ion: 43 Resp: 2898

Ion Ratio Lower Upper

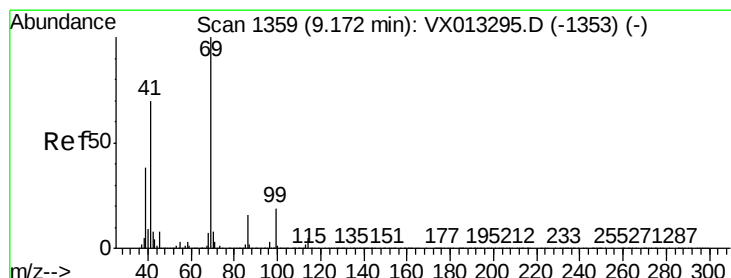
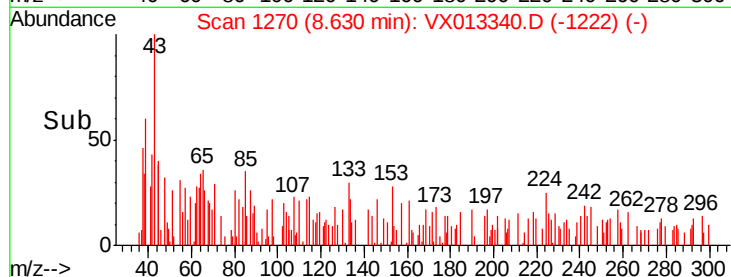
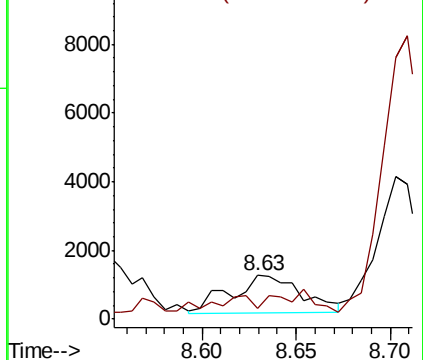
43 100

58 19.6 31.4 47.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#56

Ethyl methacrylate

Concen: 1.575 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

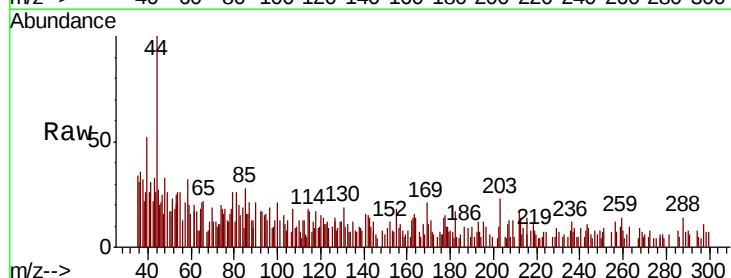
Tgt Ion: 69 Resp: 179

Ion Ratio Lower Upper

69 100

41 330.2 56.2 84.2#

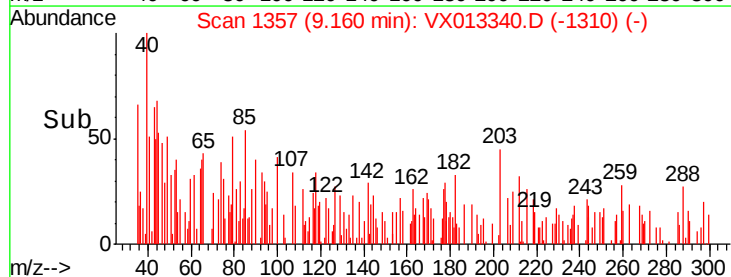
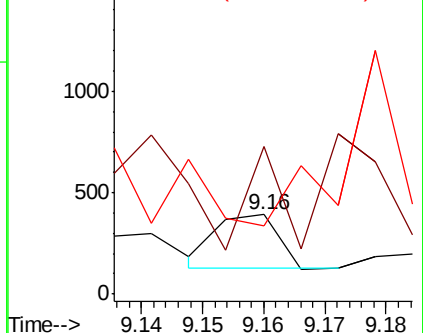
39 332.4 31.1 46.7#

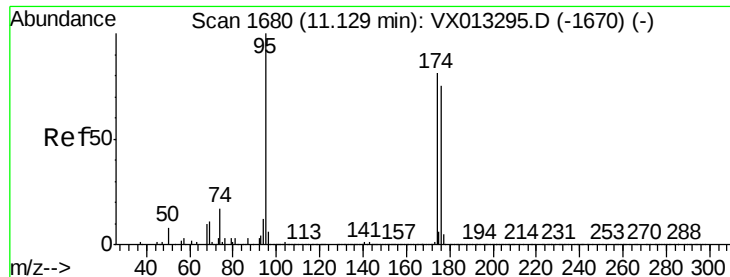


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

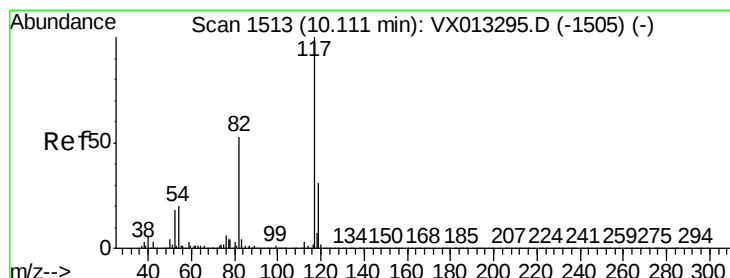
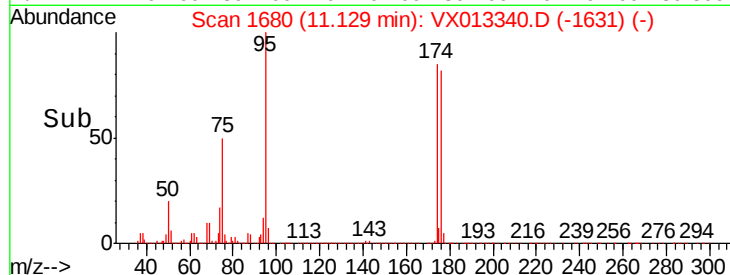
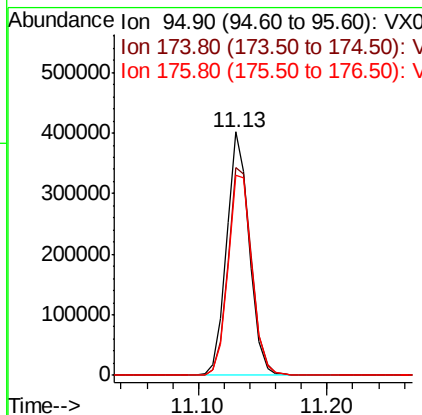
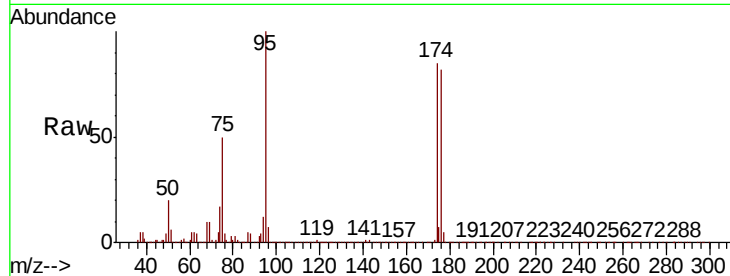




#62
4-Bromofluorobenzene
Concen: 47.551 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

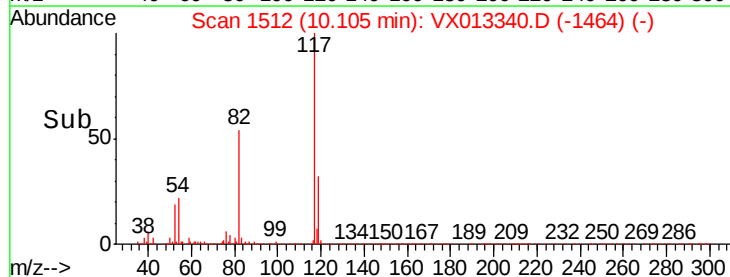
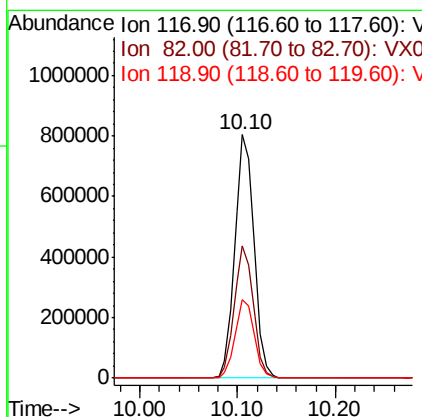
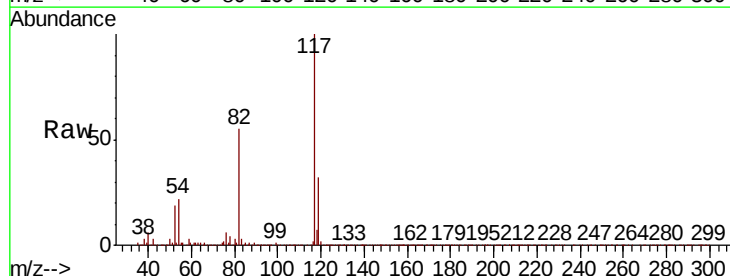
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

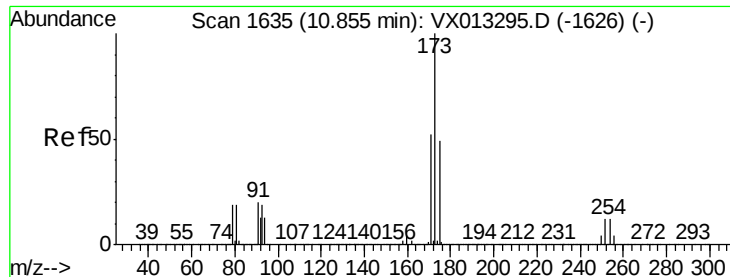
Tot Ion: 95 Resp: 496334
Ion Ratio Lower Upper
95 100
174 89.7 0.0 179.8
176 87.3 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

Tgt Ion: 117 Resp: 1092705
Ion Ratio Lower Upper
117 100
82 54.5 42.6 64.0
119 32.0 24.8 37.2

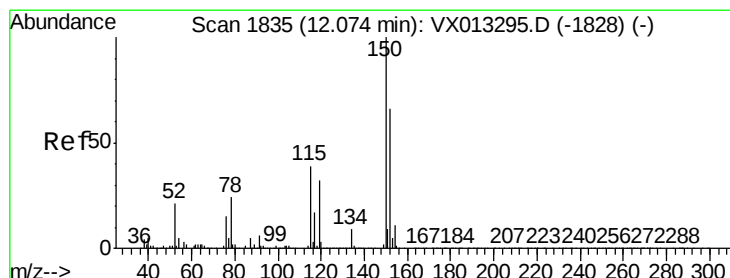
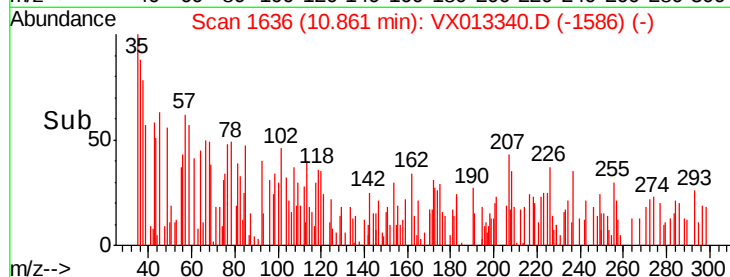
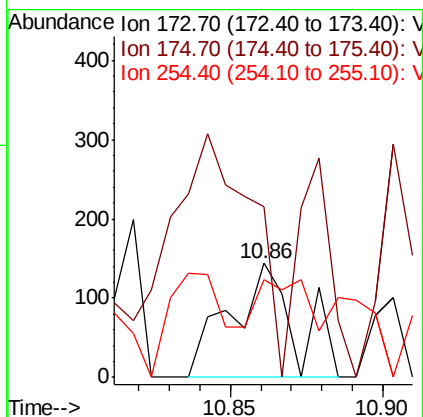
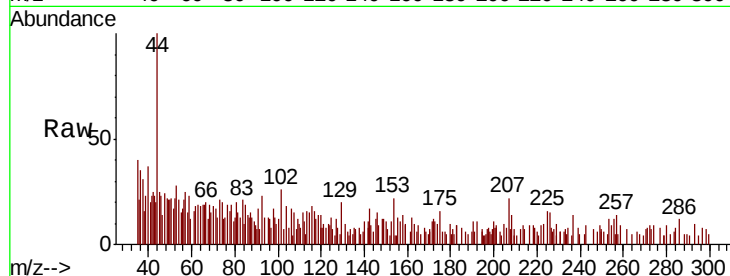




#71
Bromoform
Concen: 3.229 ug/l
RT: 10.86 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

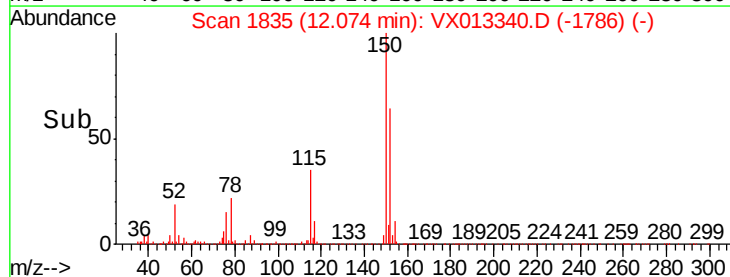
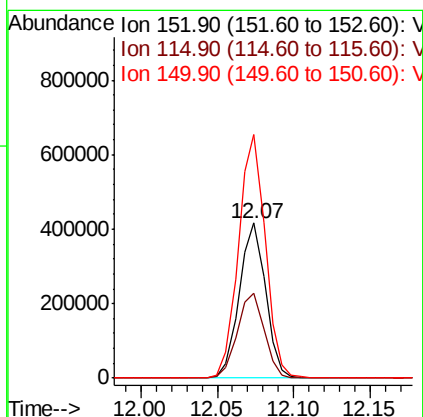
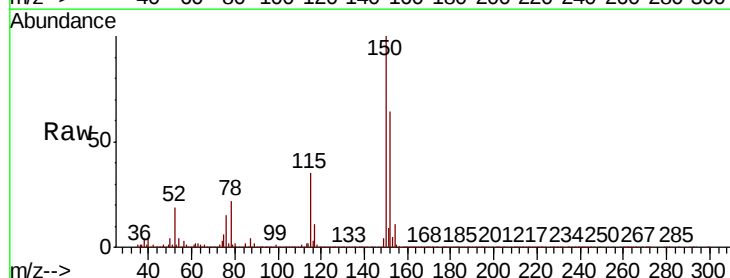
Instrument :
MSVOA_X
ClientSampleId :
TT-TB-20191105

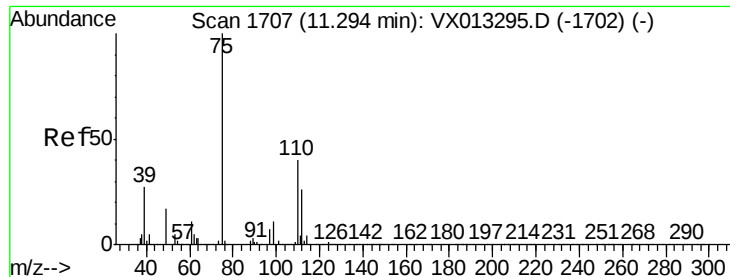
Tot Ion:173 Resp: 215
Ion Ratio Lower Upper
173 100
175 0.0 24.8 74.4#
254 46.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013340.D
Acq: 06 Nov 2019 13:51

Tgt Ion:152 Resp: 497665
Ion Ratio Lower Upper
152 100
115 56.2 39.5 118.3
150 159.3 0.0 344.4





#76

1,2,3-Trichloropropane

Concen: 24.220 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

Instrument :

MSVOA_X

ClientSampleId :

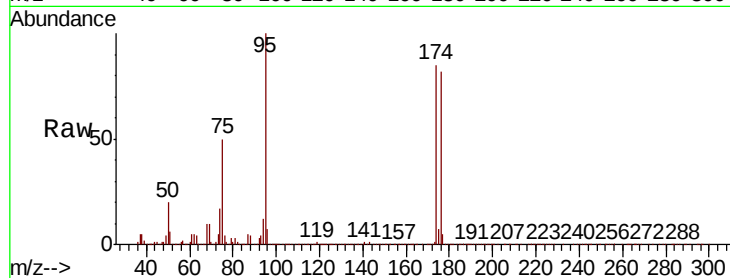
TT-TB-20191105

Tot Ion: 75 Resp: 244825

Ion Ratio Lower Upper

75 100

77 1.6 22.3 66.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

200000

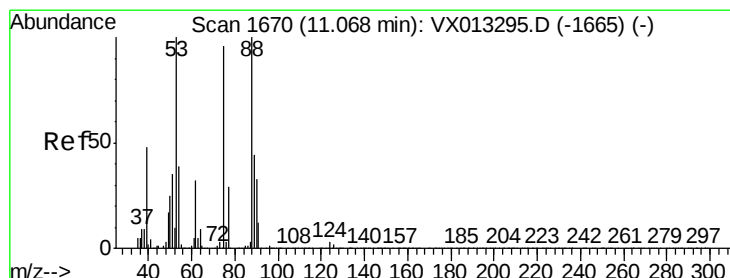
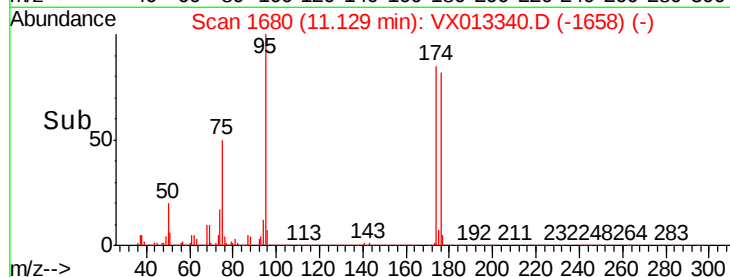
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.343 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013340.D

Acq: 06 Nov 2019 13:51

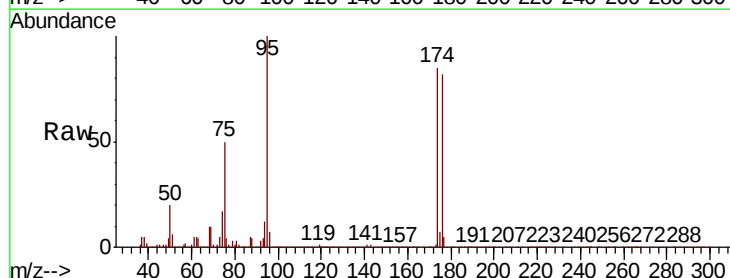
Tgt Ion: 75 Resp: 244825

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

89 0.0 36.0 54.0#



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

250000

200000

150000

100000

50000

0

Time-->

