

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082119\
 Data File : VX011734.D
 Acq On : 21 Aug 2019 15:54
 Operator : JC/SP
 Sample : K4453-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190820

Quant Time: Aug 22 03:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	458946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	646888	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	572695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	284968	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	227844	53.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.06%	
35) Dibromofluoromethane	5.49	113	191290	45.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.42%	
50) Toluene-d8	8.71	98	706272	53.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.14%	
62) 4-Bromofluorobenzene	11.13	95	237185	42.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.24%	

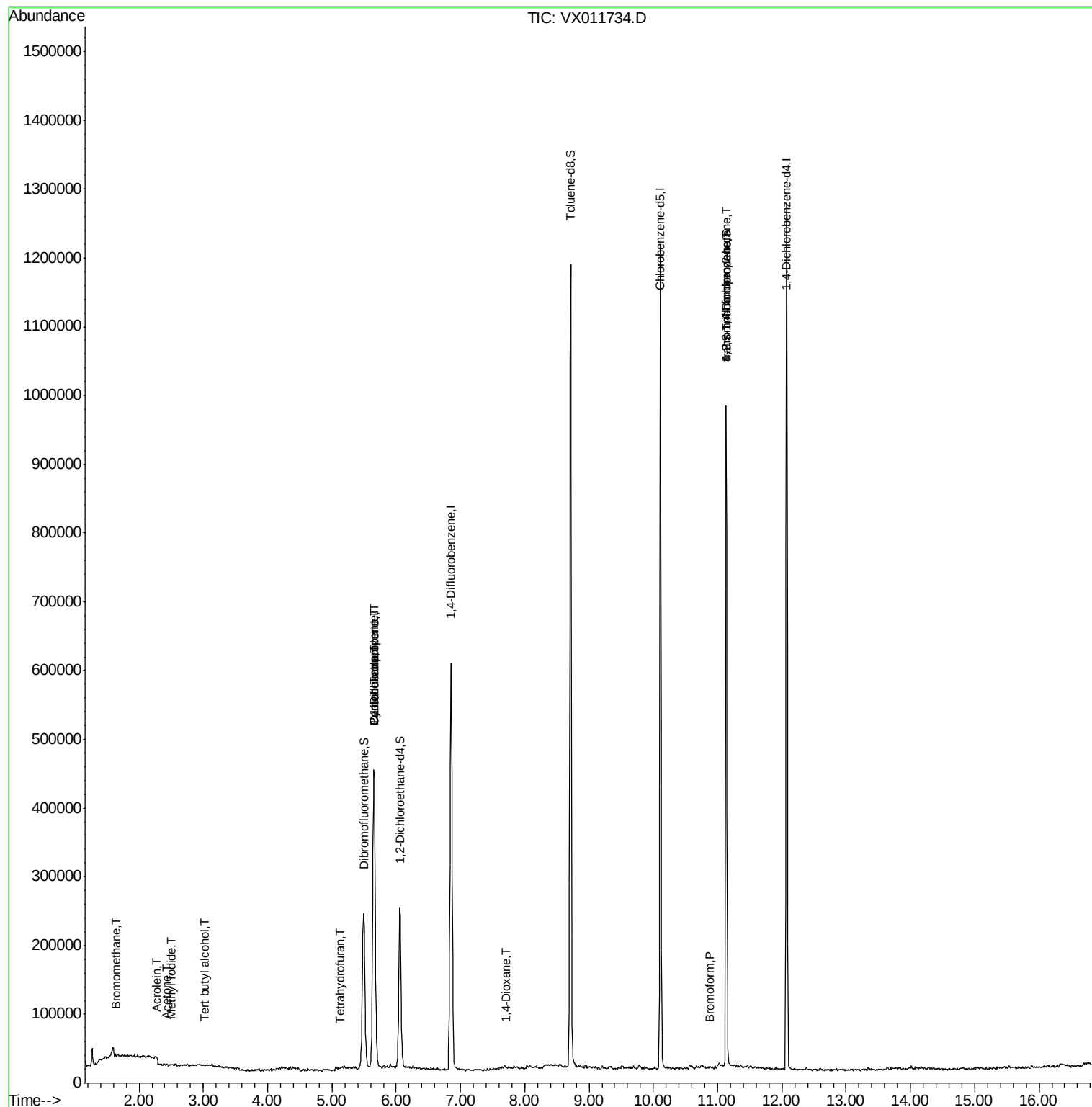
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	808	0.426	ug/l #	48
10) Methyl Iodide	2.51	142	1403	0.243	ug/l #	24
11) Tert butyl alcohol	3.01	59	697	0.668	ug/l #	71
13) Acrolein	2.28	56	342	13.197	ug/l #	38
16) Acetone	2.43	43	636	0.297	ug/l #	88
29) Tetrahydrofuran	5.12	42	544	0.247	ug/l #	50
31) Cyclohexane	5.65	56	6134	0.972	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	27665	5.002	ug/l #	50
38) Carbon Tetrachloride	5.65	117	39838	6.538	ug/l #	16
49) 1,4-Dioxane	7.71	88	154	1.178	ug/l #	1
71) Bromoform	10.87	173	120	3.317	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	119095	22.040	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	119095	58.834	ug/l #	11

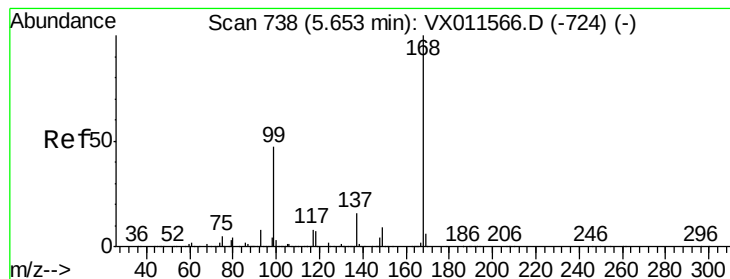
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082119\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

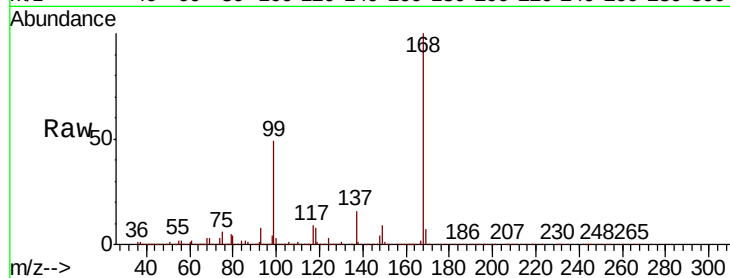
TB-01-190820

Tgt Ion:168 Resp: 458946

Ion Ratio Lower Upper

168 100

99 48.6 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

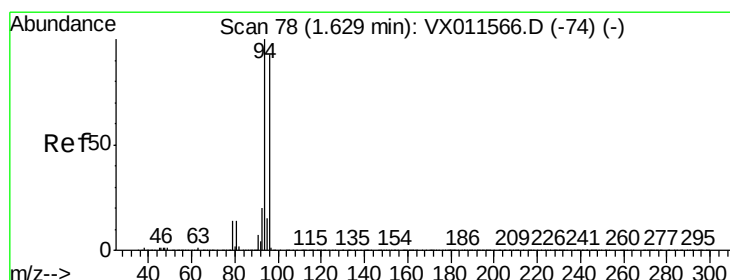
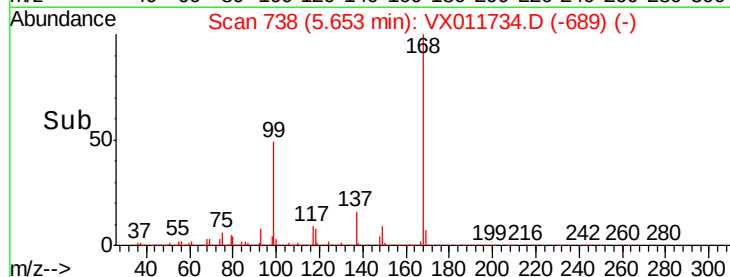
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.426 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011734.D

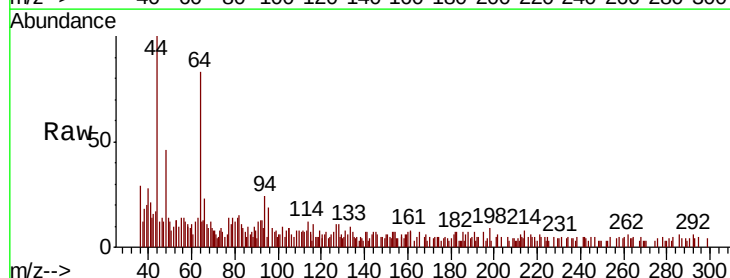
Acq: 21 Aug 2019 15:54

Tgt Ion: 94 Resp: 808

Ion Ratio Lower Upper

94 100

96 43.8 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

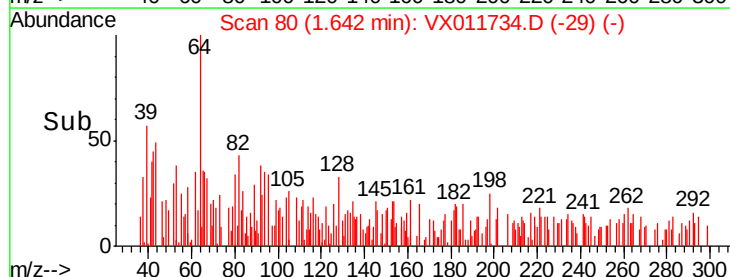
200

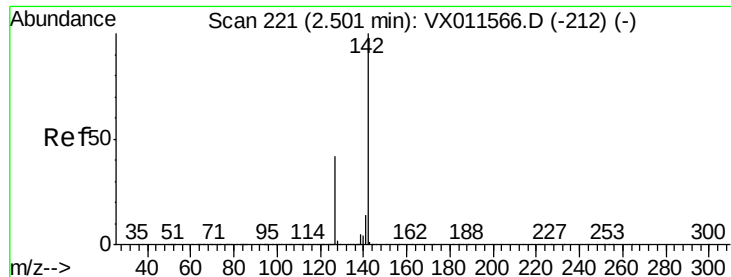
100

0

Time-->

1.60 1.65





#10

Methyl Iodide

Concen: 0.243 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.01 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190820

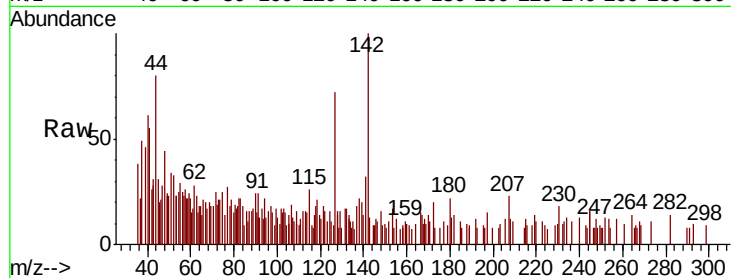
Tgt Ion:142 Resp: 1403

Ion Ratio Lower Upper

142 100

127 82.6 32.8 49.2#

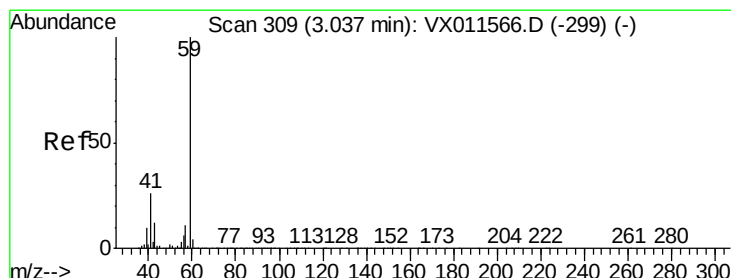
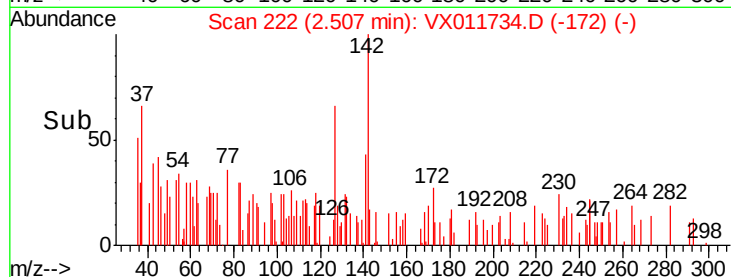
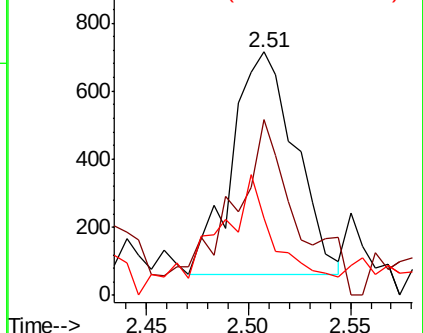
141 56.1 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.668 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011734.D

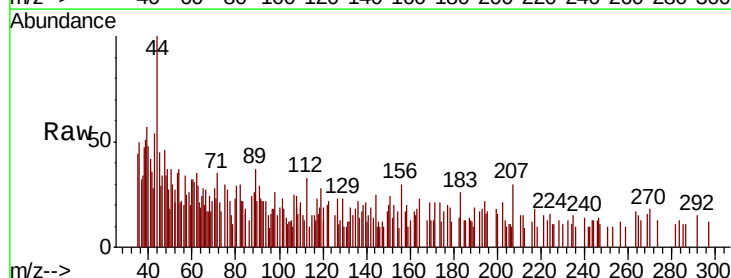
Acq: 21 Aug 2019 15:54

Tgt Ion: 59 Resp: 697

Ion Ratio Lower Upper

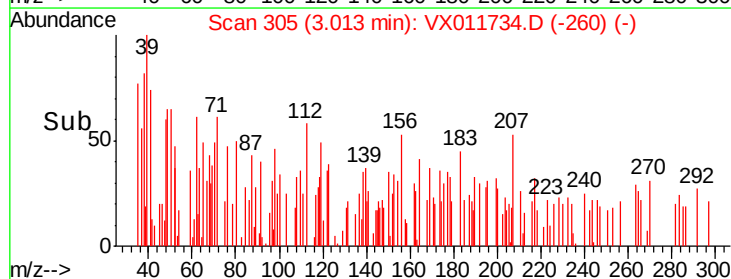
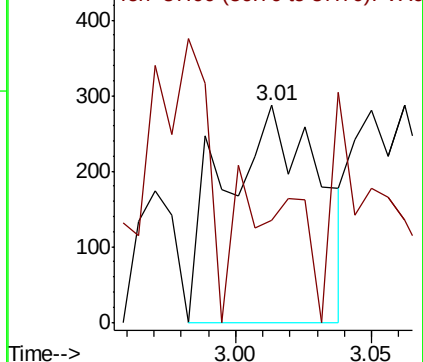
59 100

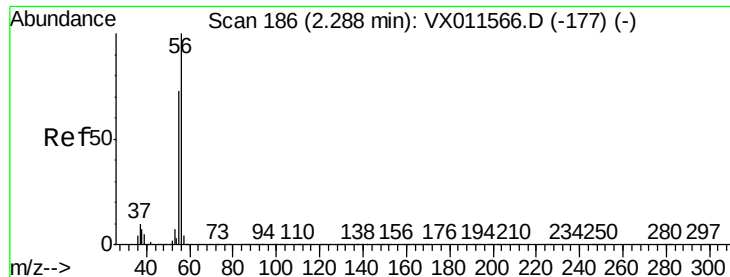
57 0.0 8.7 13.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 13.197 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

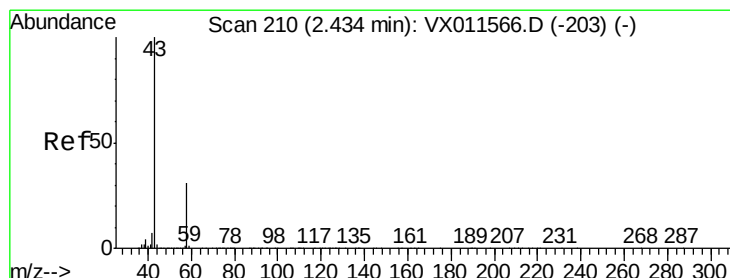
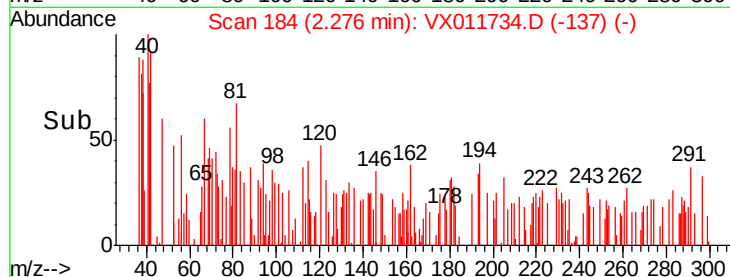
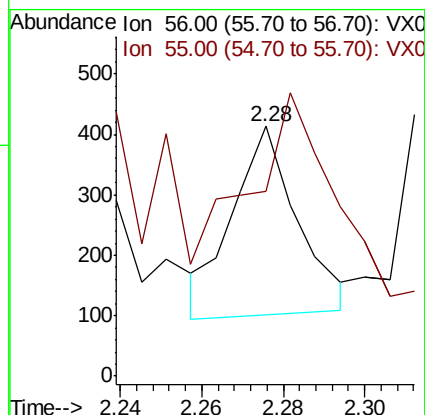
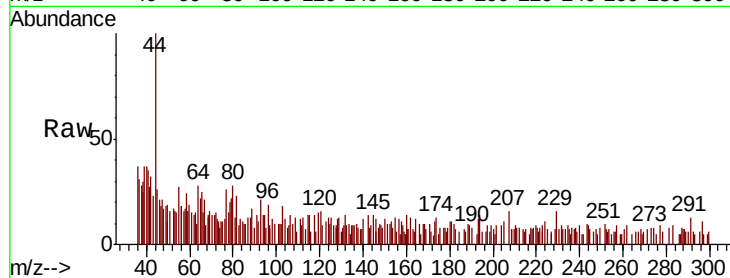
TB-01-190820

Tgt Ion: 56 Resp: 342

Ion Ratio Lower Upper

56 100

55 119.9 55.5 83.3#



#16

Acetone

Concen: 0.297 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011734.D

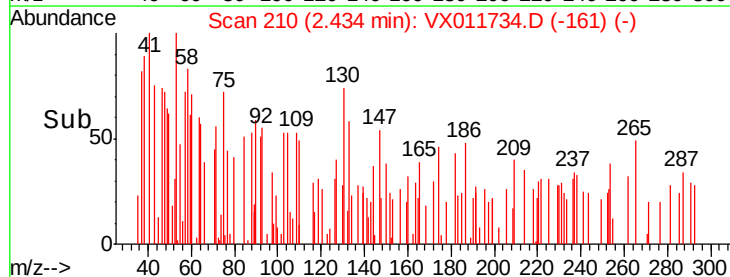
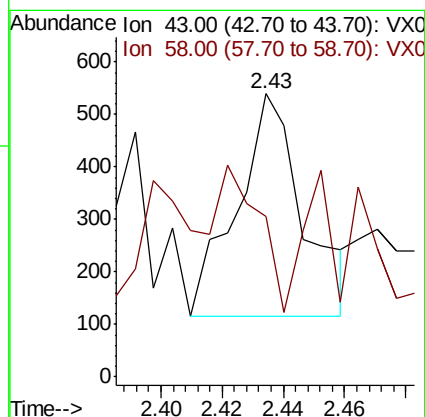
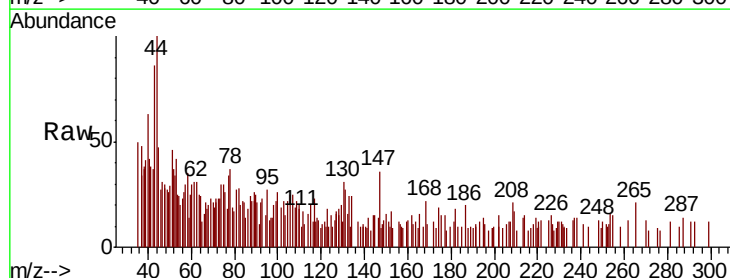
Acq: 21 Aug 2019 15:54

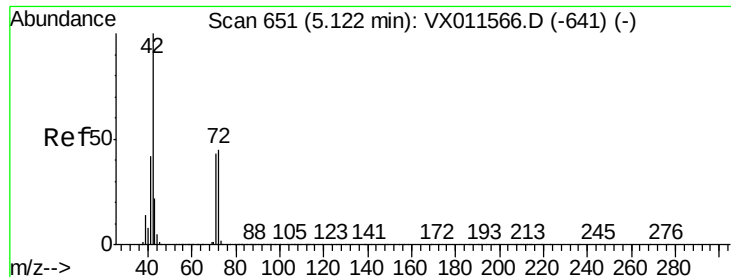
Tgt Ion: 43 Resp: 636

Ion Ratio Lower Upper

43 100

58 38.2 25.2 37.8#





#29

Tetrahydrofuran

Concen: 0.247 ug/l

RT: 5.12 min Scan# 650

Delta R.T. -0.01 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190820

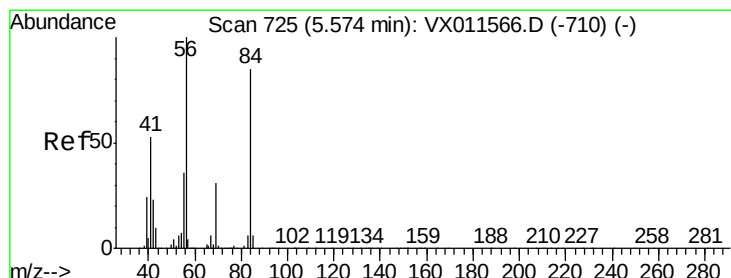
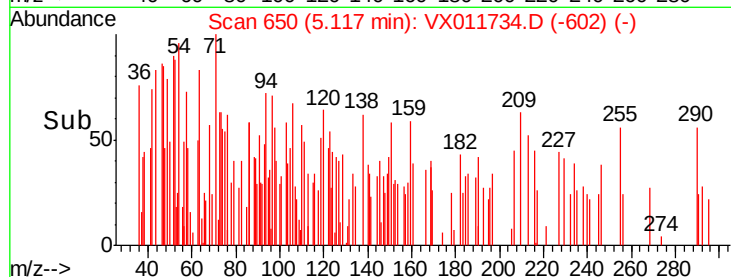
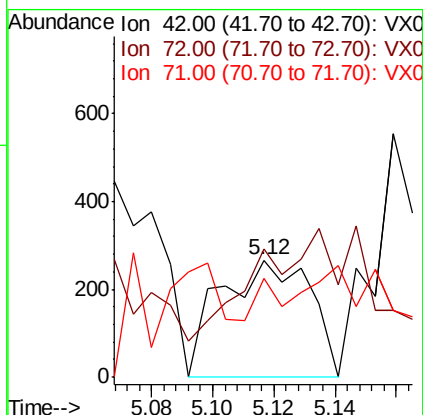
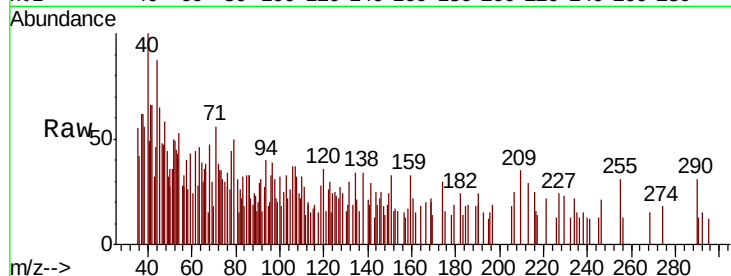
Tgt Ion: 42 Resp: 544

Ion Ratio Lower Upper

42 100

72 0.0 36.1 54.1#

71 61.2 33.8 50.8#



#31

Cyclohexane

Concen: 0.972 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.08 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

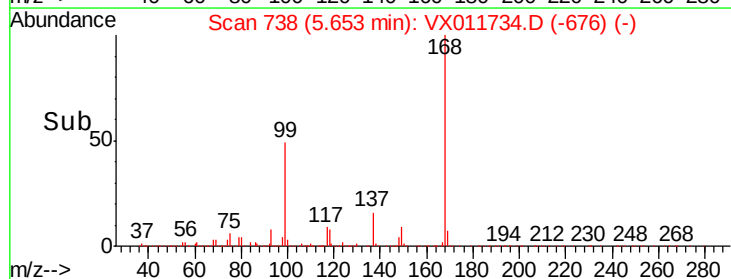
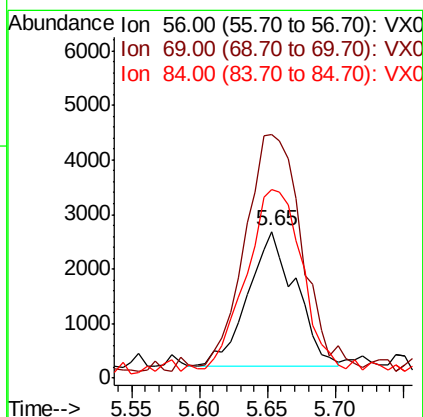
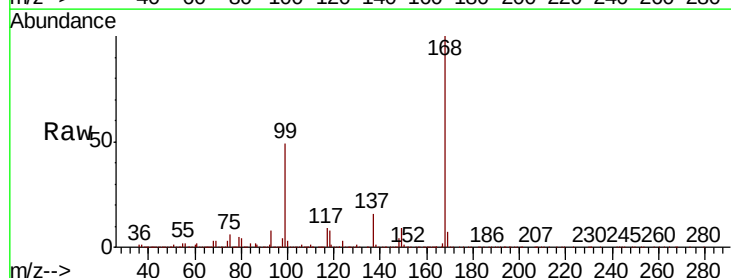
Tgt Ion: 56 Resp: 6134

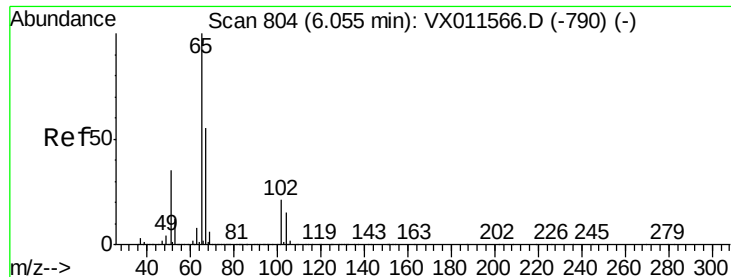
Ion Ratio Lower Upper

56 100

69 169.9 24.8 37.2#

84 129.9 67.9 101.9#

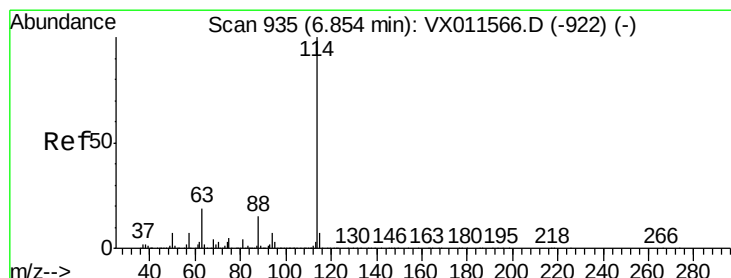
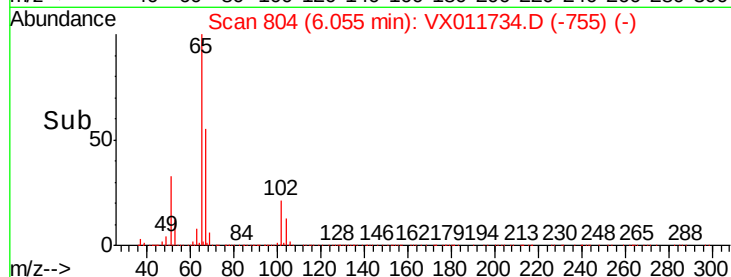
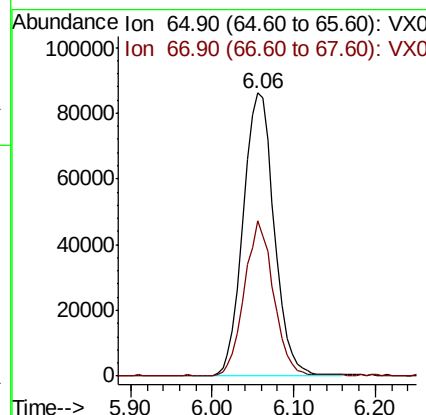
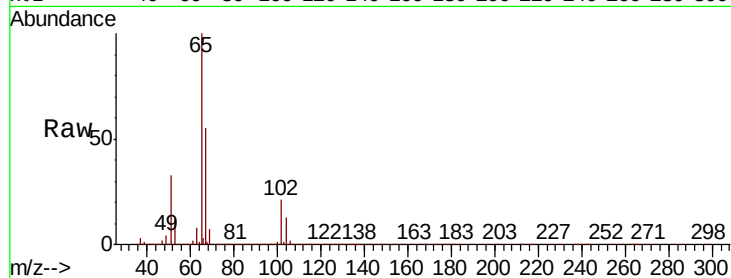




#33
 1,2-Dichloroethane-d4
 Concen: 53.534 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011734.D
 Acq: 21 Aug 2019 15:54

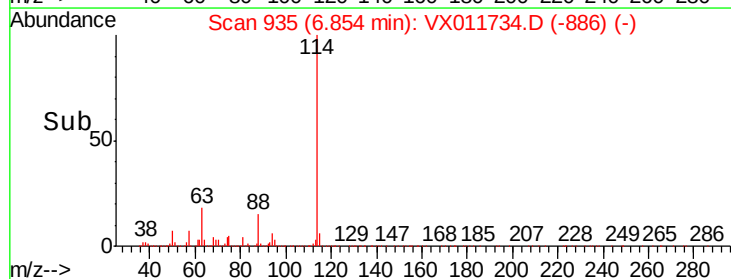
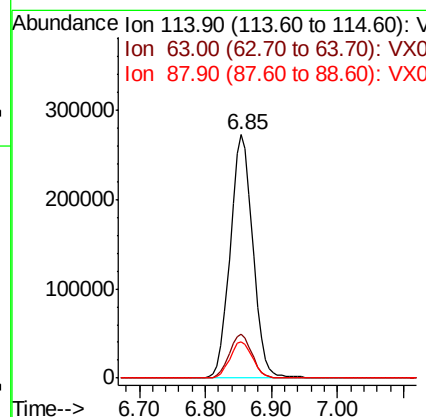
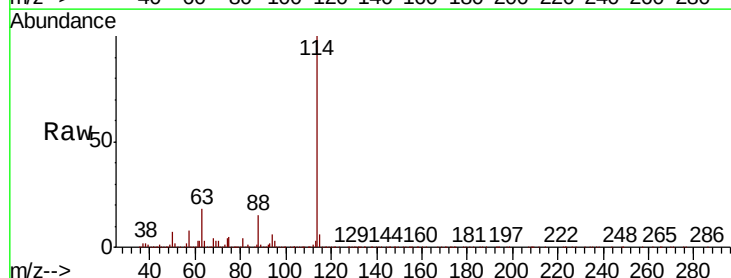
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190820

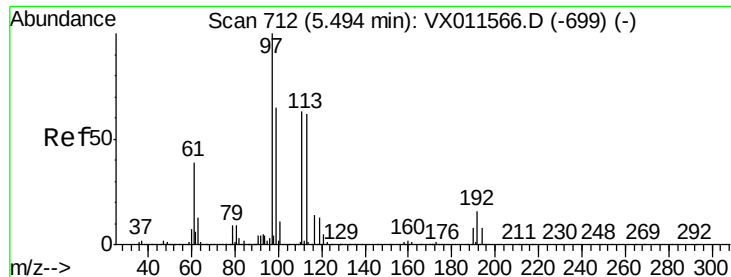
Tgt Ion: 65 Resp: 227844
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011734.D
 Acq: 21 Aug 2019 15:54

Tgt Ion: 114 Resp: 646888
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 37.8
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.211 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190820

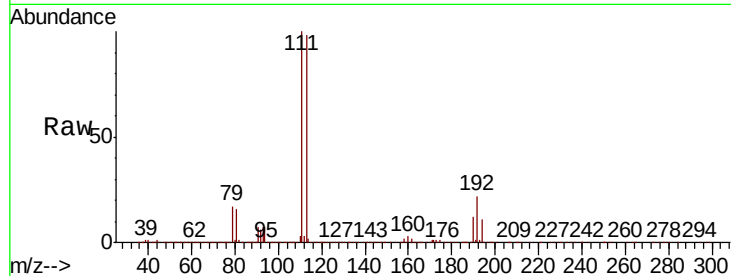
Tgt Ion:113 Resp: 191290

Ion Ratio Lower Upper

113 100

111 100.7 81.1 121.7

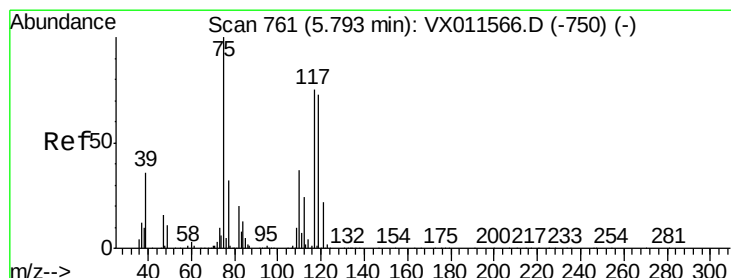
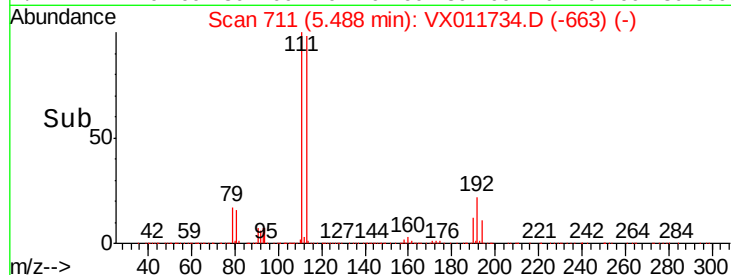
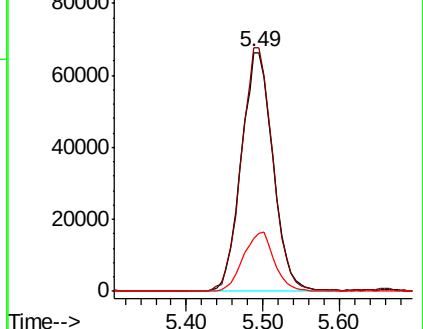
192 24.4 20.8 31.2



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: 5.002 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

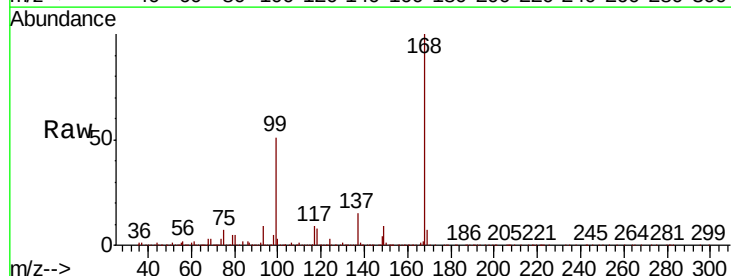
Tgt Ion: 75 Resp: 27665

Ion Ratio Lower Upper

75 100

110 11.3 19.4 58.1#

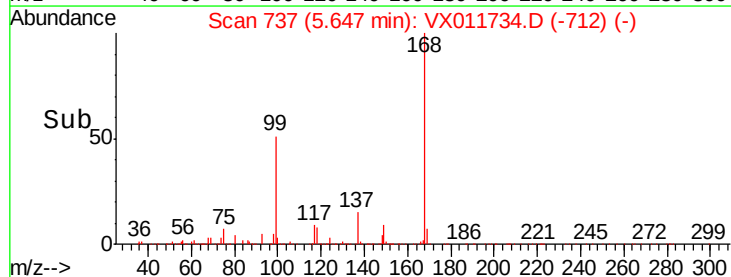
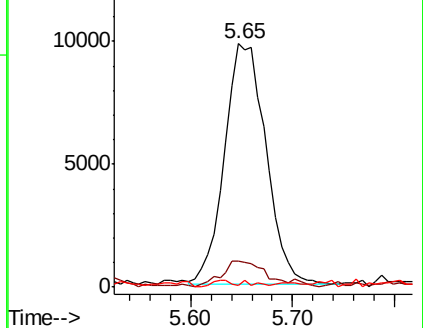
77 0.5 25.1 37.7#

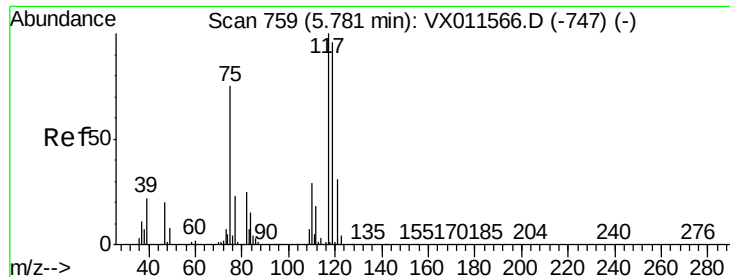


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.538 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190820

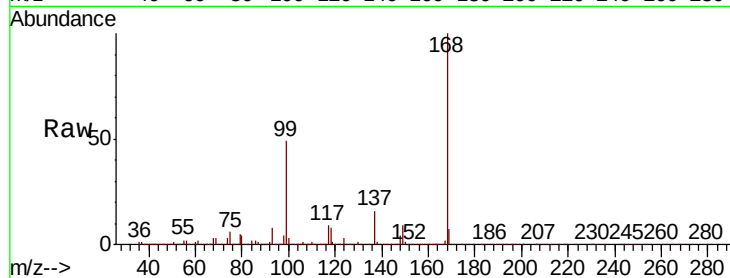
Tgt Ion:117 Resp: 39838

Ion Ratio Lower Upper

117 100

119 5.2 76.9 115.3#

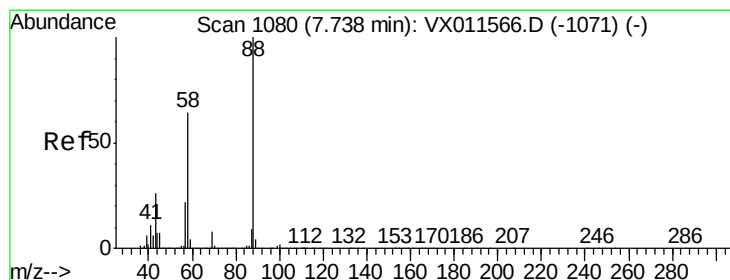
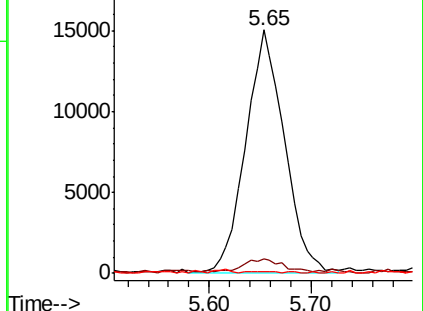
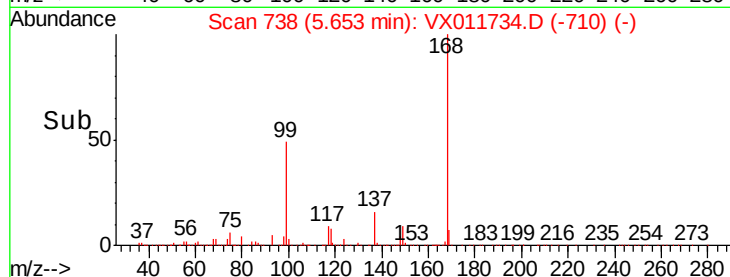
121 0.4 24.8 37.2#



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



#49

1,4-Dioxane

Concen: 1.178 ug/l

RT: 7.71 min Scan# 1076

Delta R.T. -0.02 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

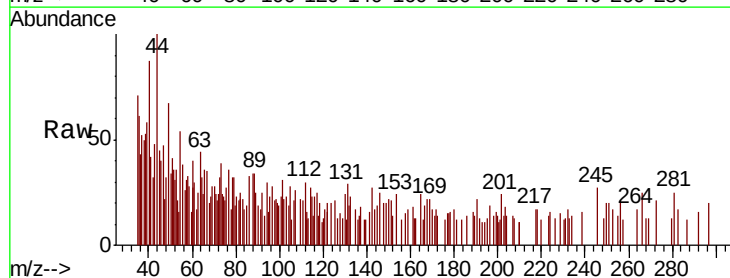
Tgt Ion: 88 Resp: 154

Ion Ratio Lower Upper

88 100

43 105.8 23.4 35.0#

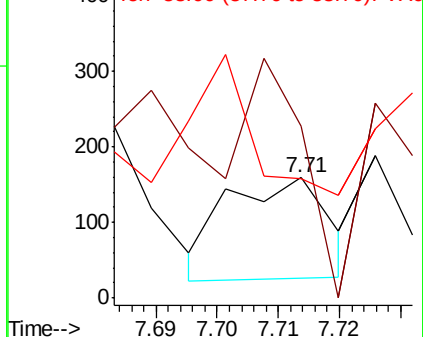
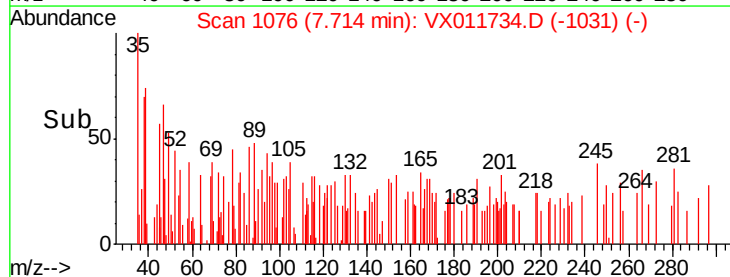
58 205.2 54.3 81.5#

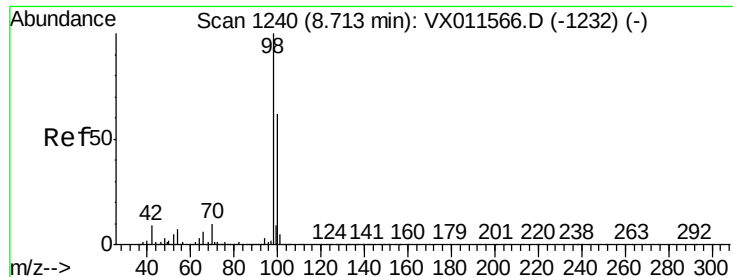


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 53.573 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

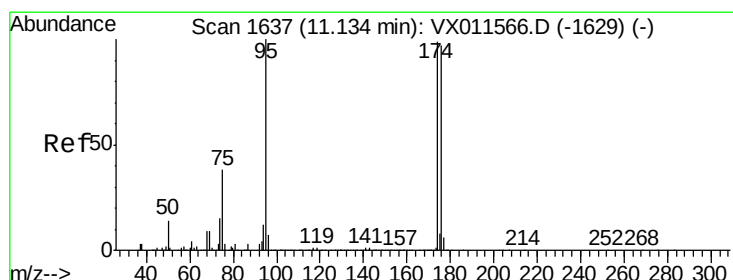
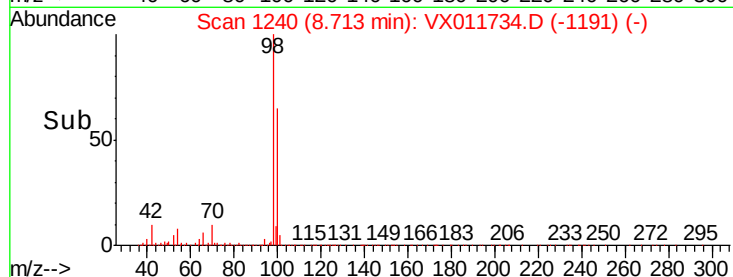
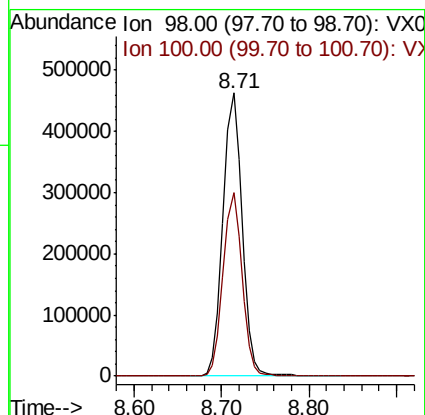
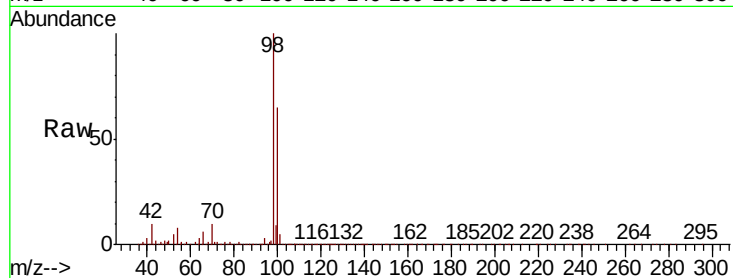
TB-01-190820

Tgt Ion: 98 Resp: 706272

Ion Ratio Lower Upper

98 100

100 64.5 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 42.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

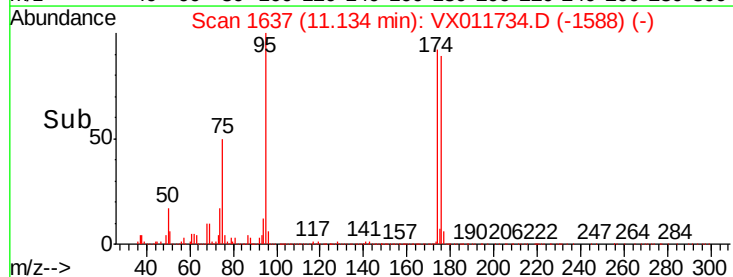
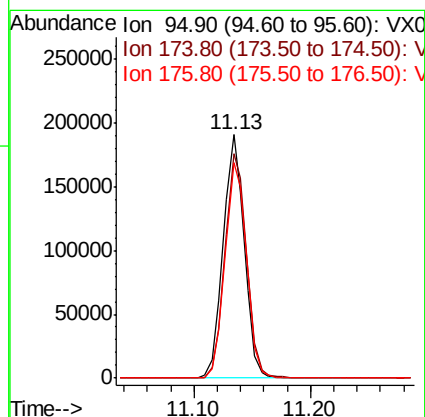
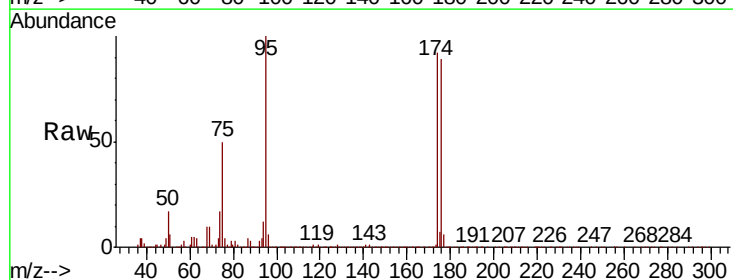
Tgt Ion: 95 Resp: 237185

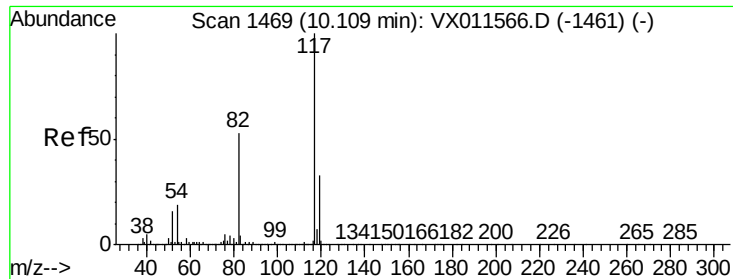
Ion Ratio Lower Upper

95 100

174 94.4 0.0 200.6

176 90.9 0.0 196.6

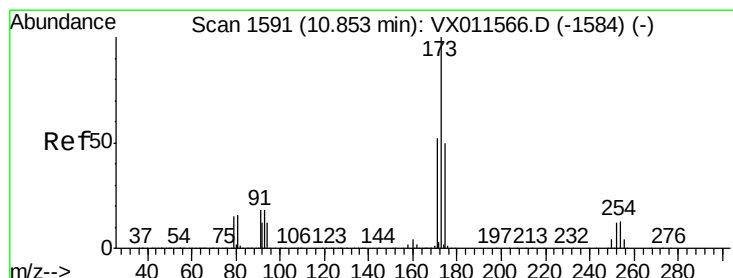
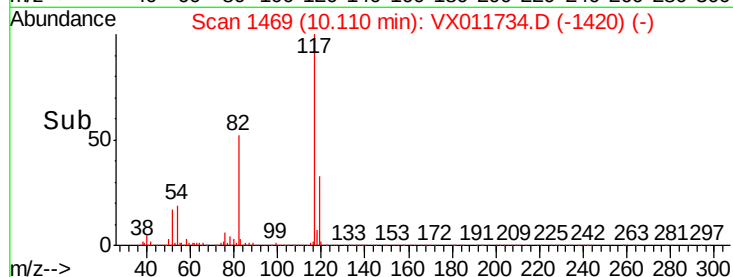
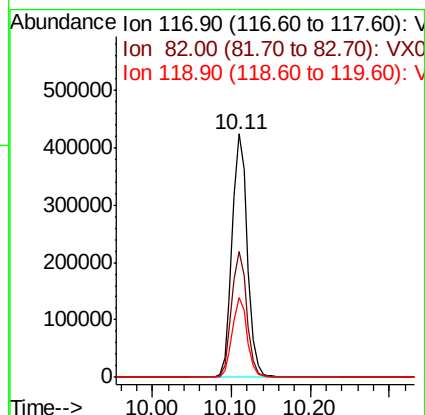
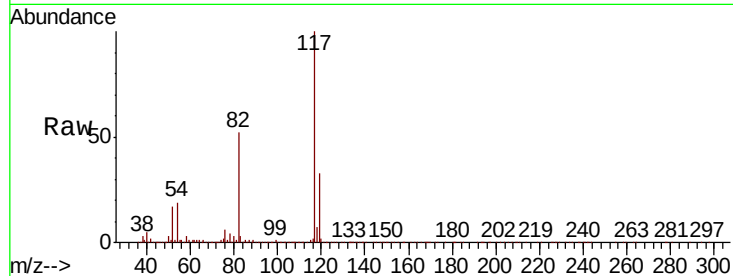




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011734.D
Acq: 21 Aug 2019 15:54

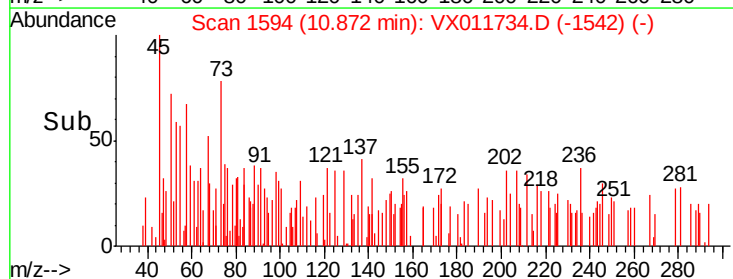
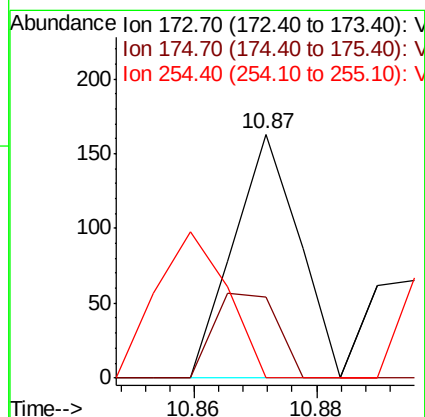
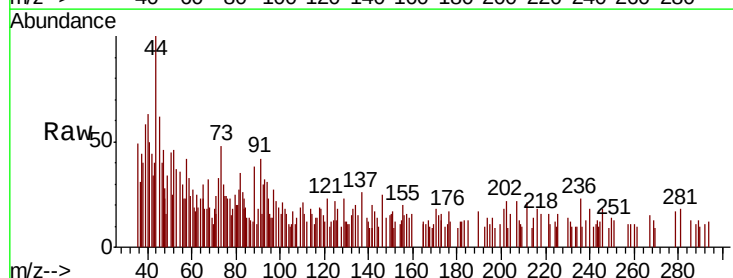
Instrument :
MSVOA_X
ClientSampled :
TB-01-190820

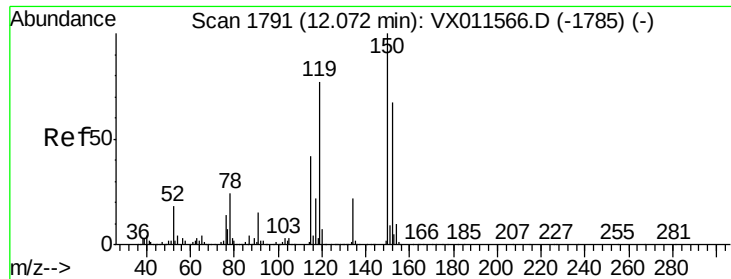
Tgt Ion:117 Resp: 572695
Ion Ratio Lower Upper
117 100
82 51.7 42.0 63.0
119 32.8 26.5 39.7



#71
Bromoform
Concen: 3.317 ug/l
RT: 10.87 min Scan# 1594
Delta R.T. 0.02 min
Lab File: VX011734.D
Acq: 21 Aug 2019 15:54

Tgt Ion:173 Resp: 120
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 65.8 0.1 0.1#

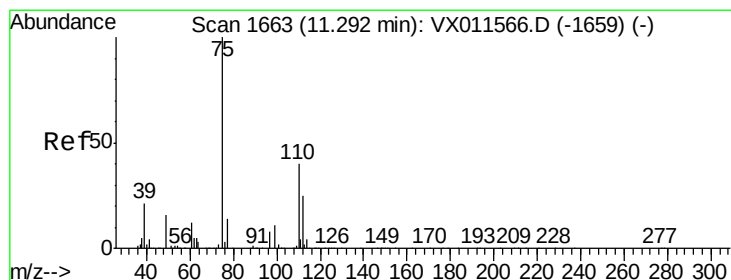
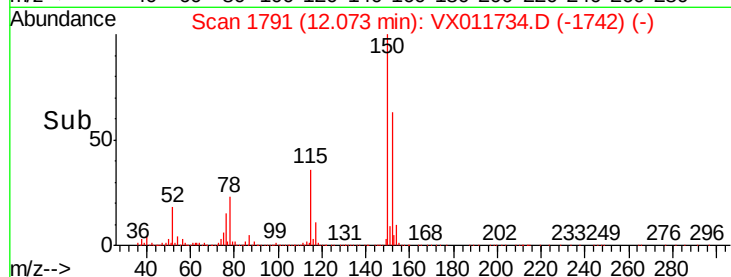
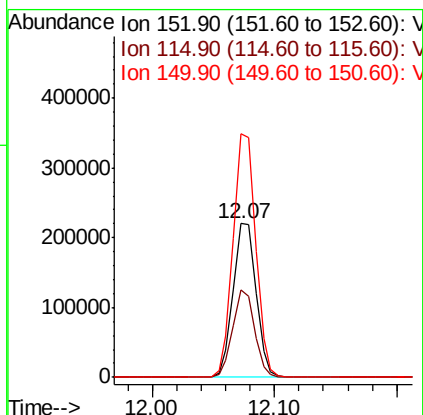
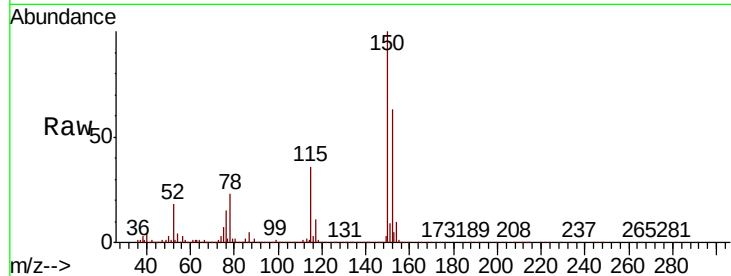




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX011734.D
 Acq: 21 Aug 2019 15:54

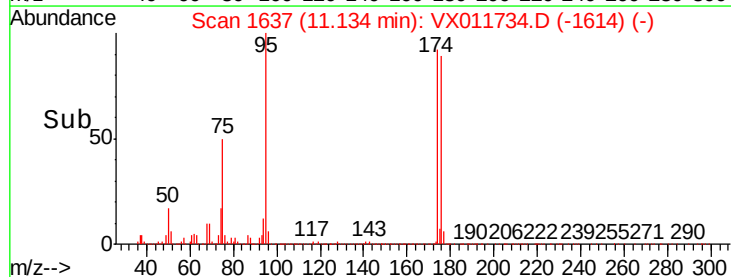
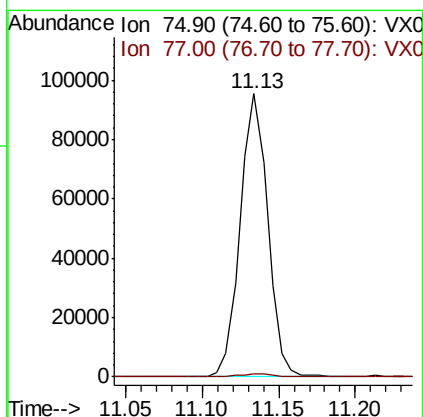
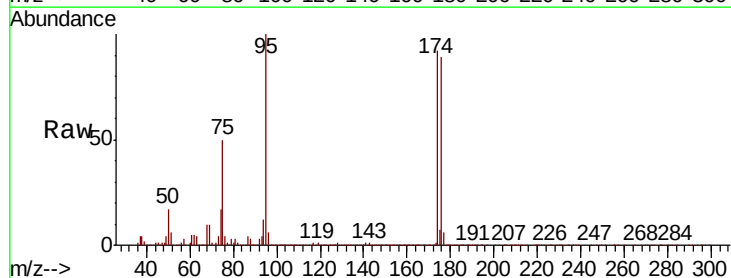
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-190820

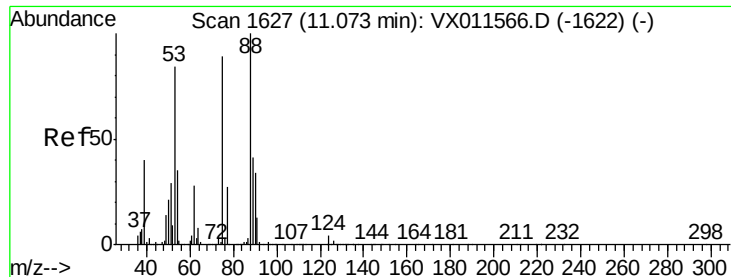
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	37.3	111.9
150	156.2	0.0	346.2



#76
 1,2,3-Trichloropropane
 Concen: 22.040 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011734.D
 Acq: 21 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	2.2	20.9	62.8





#81

trans-1,4-Dichloro-2-butene

Concen: 58.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011734.D

Acq: 21 Aug 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

TB-01-190820

Tgt Ion: 75 Resp: 119095

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

89 0.3 37.3 55.9#

