

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071119\
 Data File : VX010797.D
 Acq On : 11 Jul 2019 11:20
 Operator : JC/SP
 Sample : K3738-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-20190709

Quant Time: Jul 12 06:50:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	341647	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	310894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140534	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	111590	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
35) Dibromofluoromethane	5.50	113	104828	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	8.71	98	408764	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.13	95	134598	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

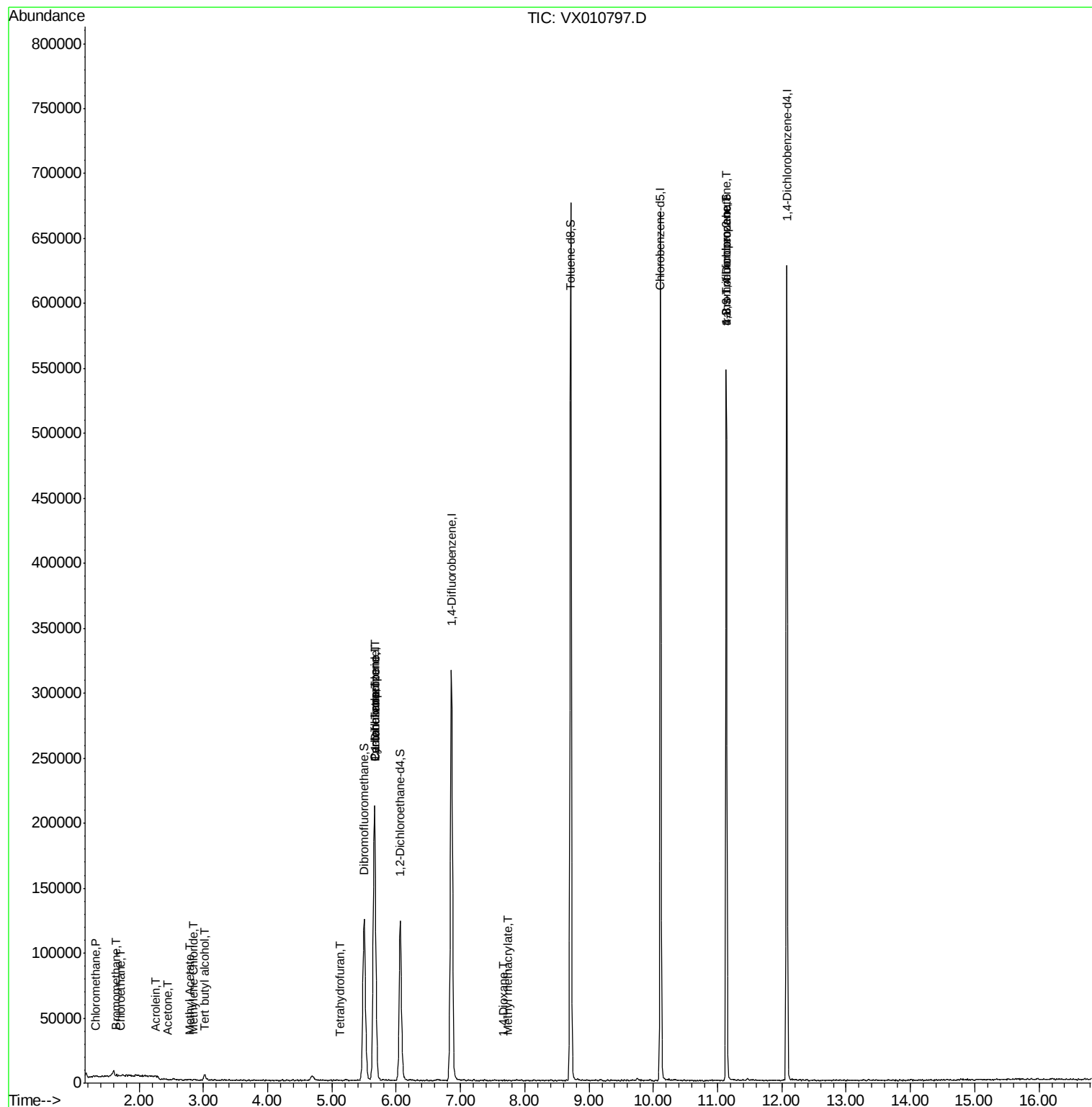
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	503	0.286	ug/l #	70
5) Bromomethane	1.65	94	535	0.570	ug/l #	77
6) Chloroethane	1.72	64	279	0.245	ug/l #	83
11) Tert butyl alcohol	3.02	59	2339	4.388	ug/l #	89
13) Acrolein	2.26	56	206	0.583	ug/l	83
16) Acetone	2.45	43	394	0.386	ug/l	90
18) Methyl Acetate	2.78	43	481	0.236	ug/l #	89
20) Methylene Chloride	2.85	84	457	0.218	ug/l #	68
29) Tetrahydrofuran	5.13	42	297	0.320	ug/l #	53
31) Cyclohexane	5.67	56	4366	1.484	ug/l #	10
36) 1,1-Dichloropropene	5.67	75	14606	5.380	ug/l #	47
38) Carbon Tetrachloride	5.66	117	20009	6.806	ug/l #	13
48) Methyl methacrylate	7.74	41	582	0.271	ug/l #	9
49) 1,4-Dioxane	7.66	88	25	0.404	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	66643	26.023	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	66643	60.710	ug/l #	16

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

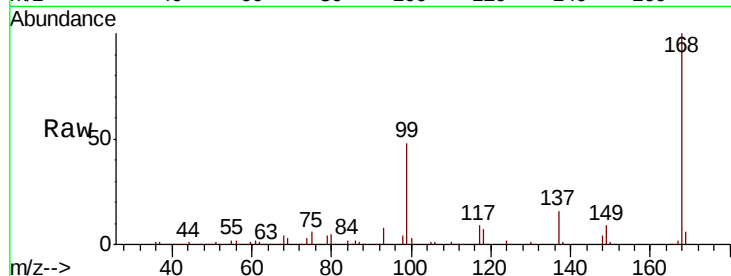
TB-20190709

Tot Ion:168 Resp: 217262

Ion Ratio Lower Upper

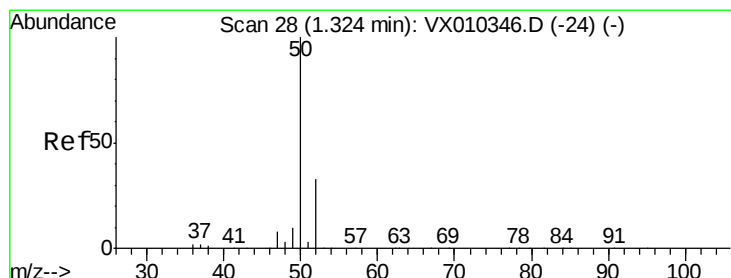
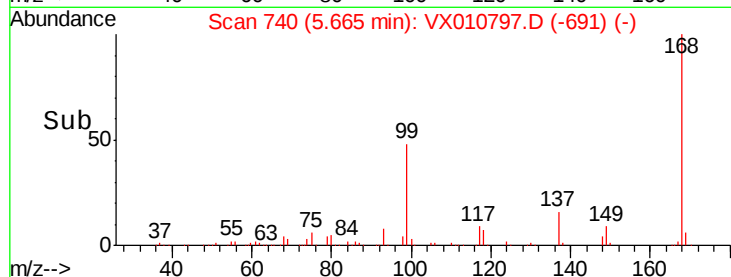
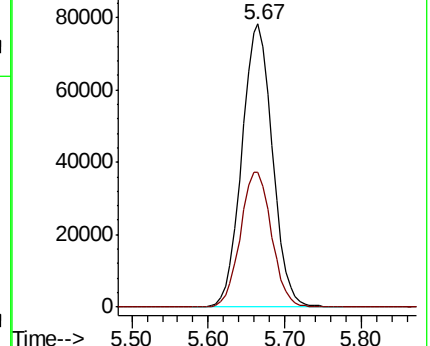
168 100

99 47.6 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010797.D

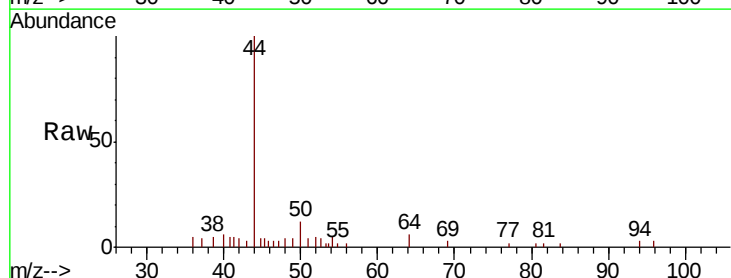
Acq: 11 Jul 2019 11:20

Tgt Ion: 50 Resp: 503

Ion Ratio Lower Upper

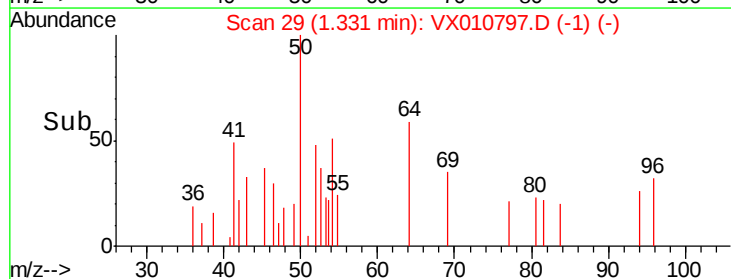
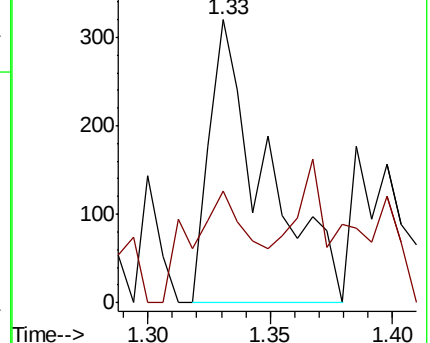
50 100

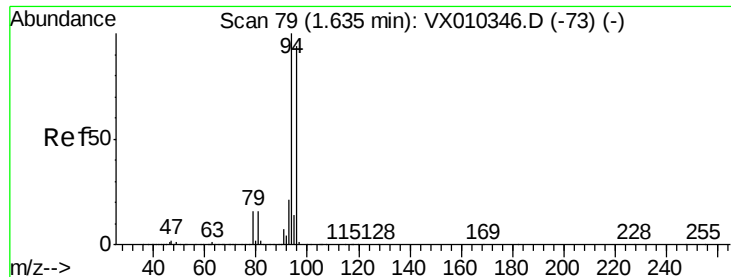
52 50.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.570 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

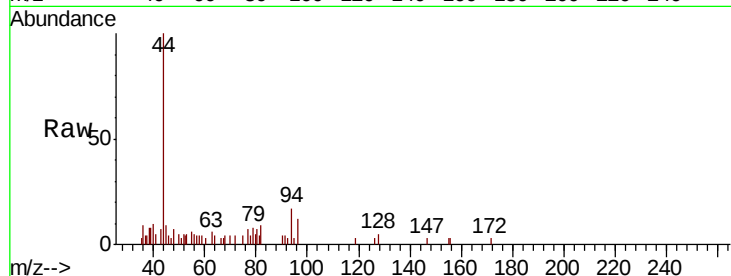
TB-20190709

Tot Ion: 94 Resp: 535

Ion Ratio Lower Upper

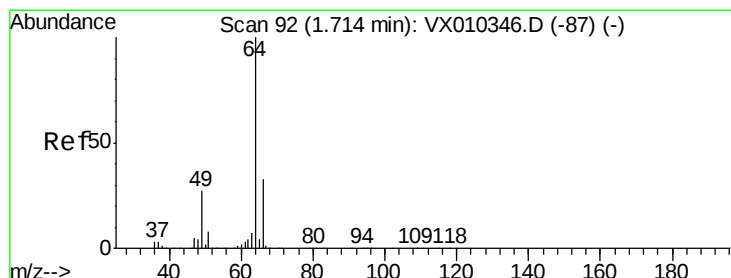
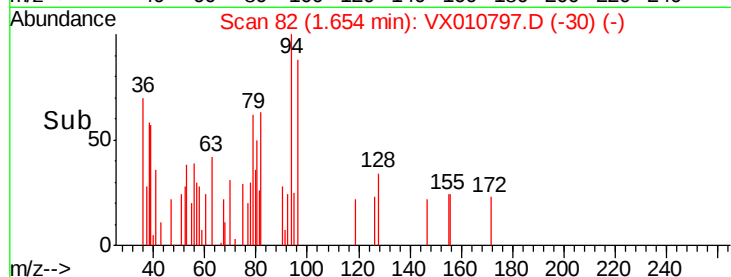
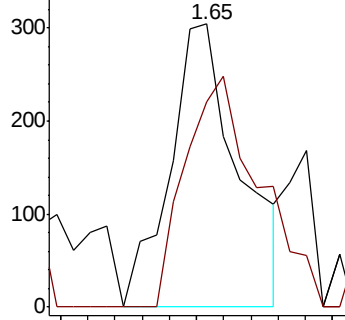
94 100

96 72.4 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.245 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010797.D

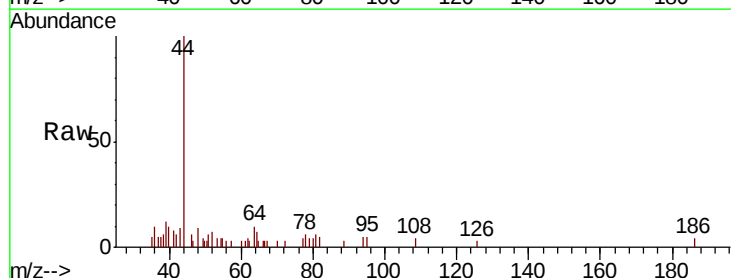
Acq: 11 Jul 2019 11:20

Tgt Ion: 64 Resp: 279

Ion Ratio Lower Upper

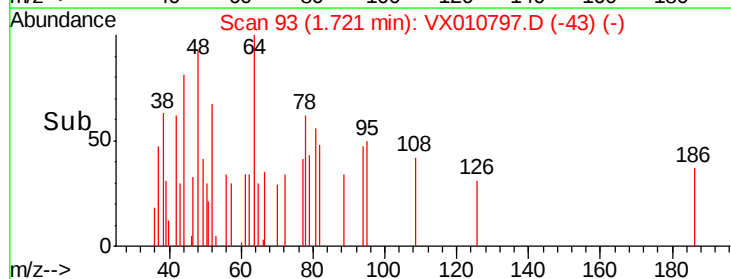
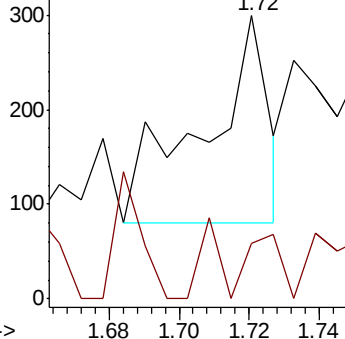
64 100

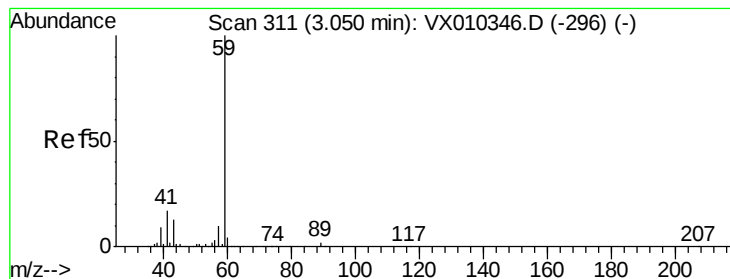
66 23.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



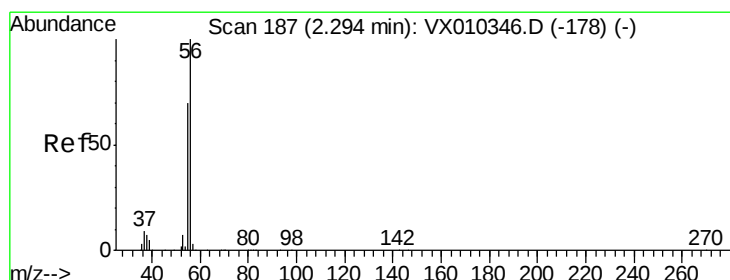
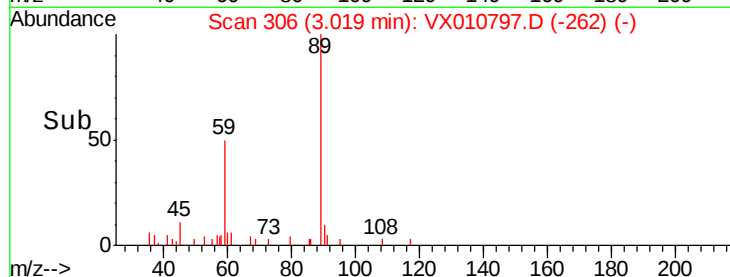
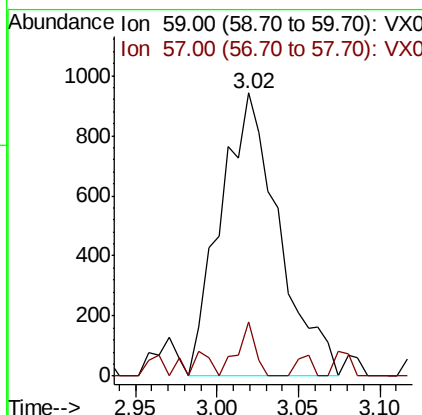
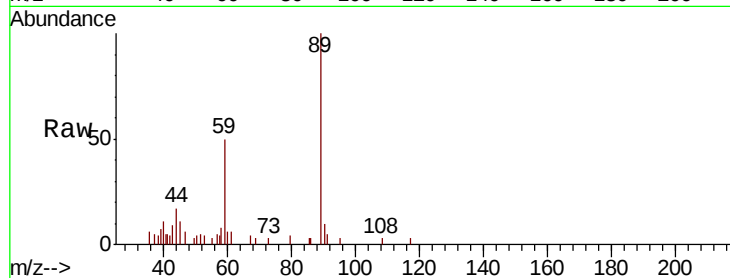


#11

Tert butyl alcohol
 Concen: 4.388 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010797.D
 Acq: 11 Jul 2019 11:20

Instrument :
 MSVOA_X
 ClientSampled :
 TB-20190709

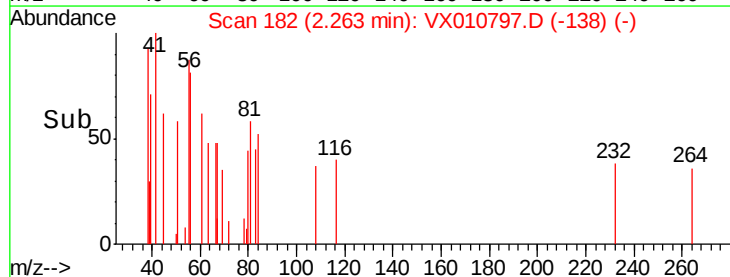
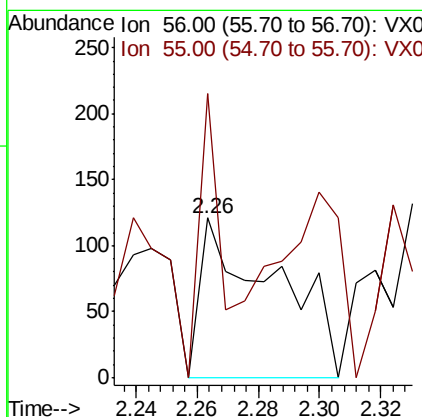
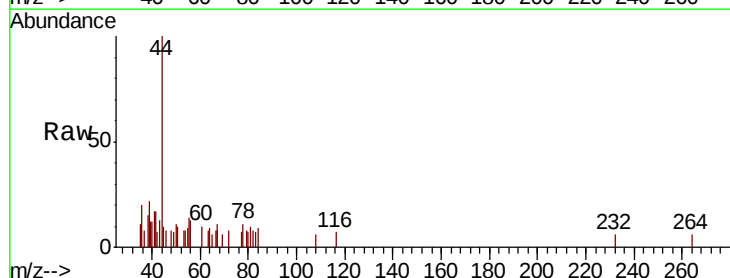
Tot Ion: 59 Resp: 2339
 Ion Ratio Lower Upper
 59 100
 57 5.7 7.7 11.5#

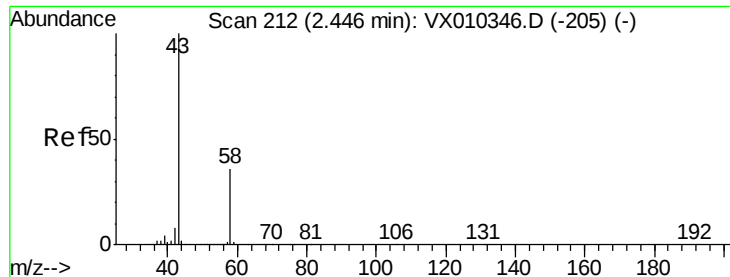


#13

Acrolein
 Concen: 0.583 ug/l
 RT: 2.26 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VX010797.D
 Acq: 11 Jul 2019 11:20

Tgt Ion: 56 Resp: 206
 Ion Ratio Lower Upper
 56 100
 55 57.3 56.9 85.3





#16

Acetone

Concen: 0.386 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampled :

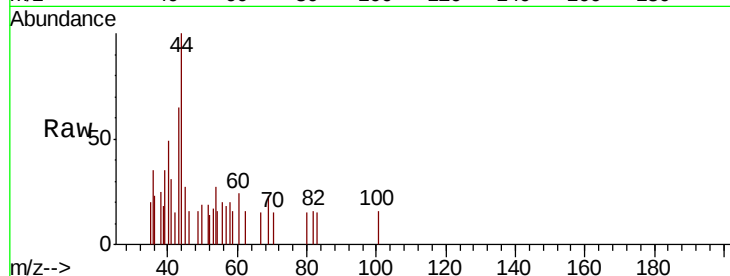
TB-20190709

Tot Ion: 43 Resp: 394

Ion Ratio Lower Upper

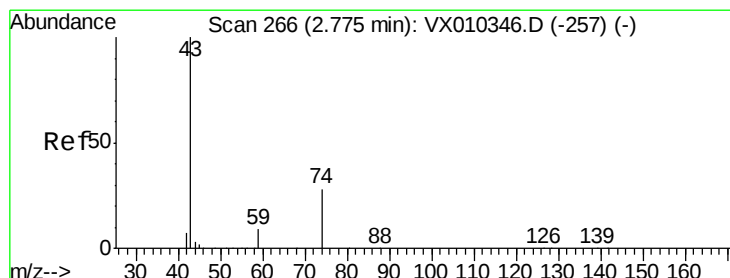
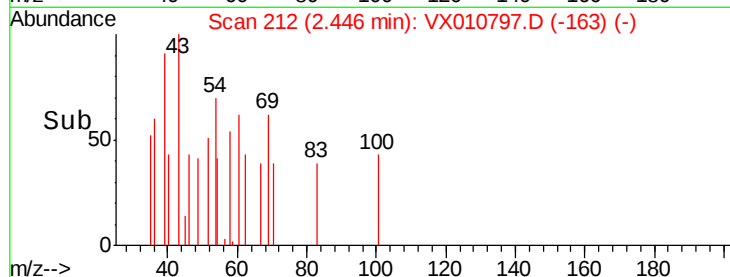
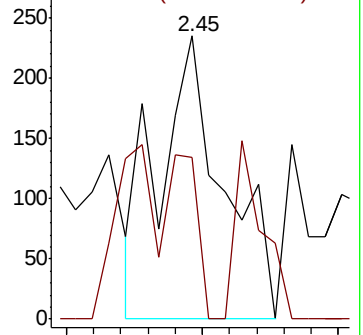
43 100

58 30.2 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010797.D

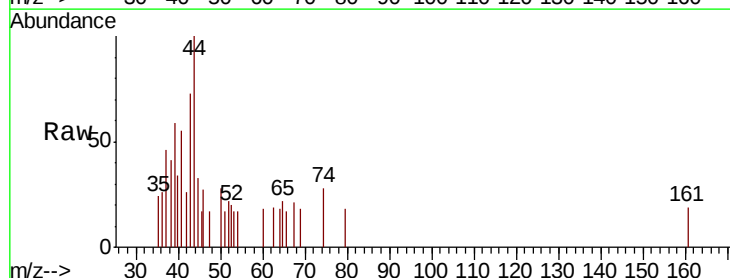
Acq: 11 Jul 2019 11:20

Tgt Ion: 43 Resp: 481

Ion Ratio Lower Upper

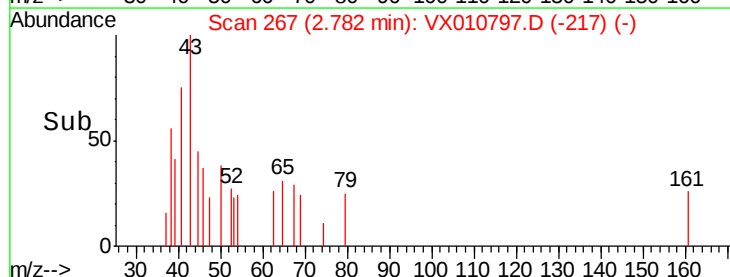
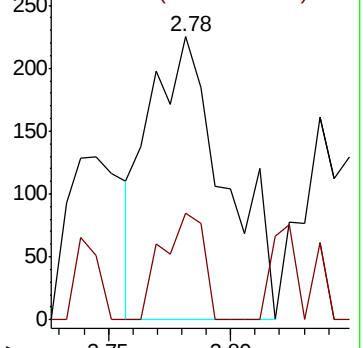
43 100

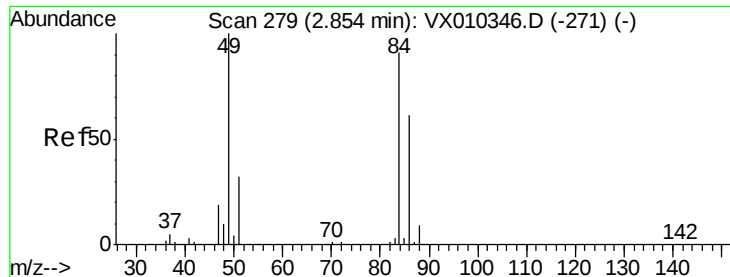
74 20.8 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

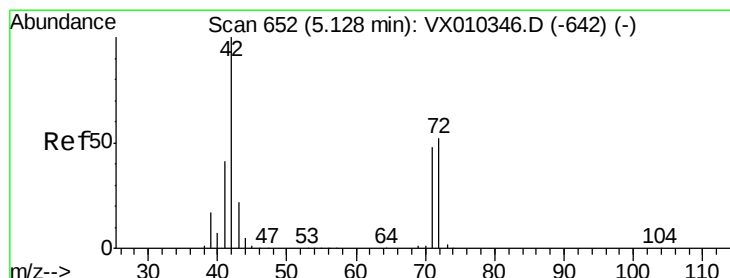
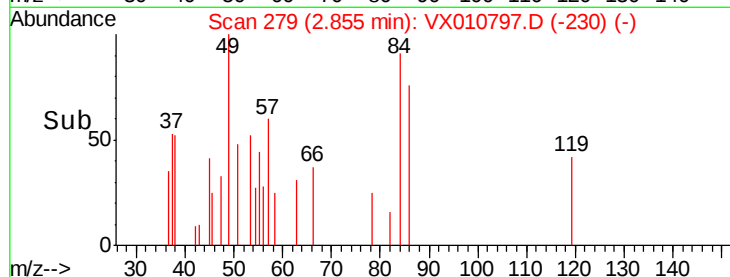
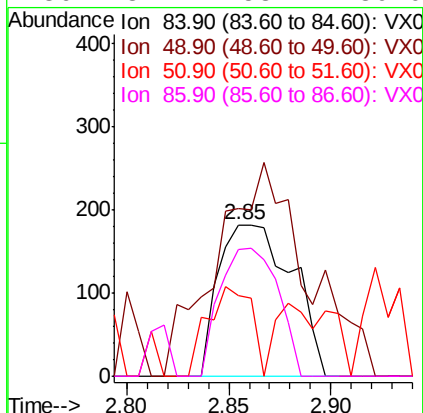
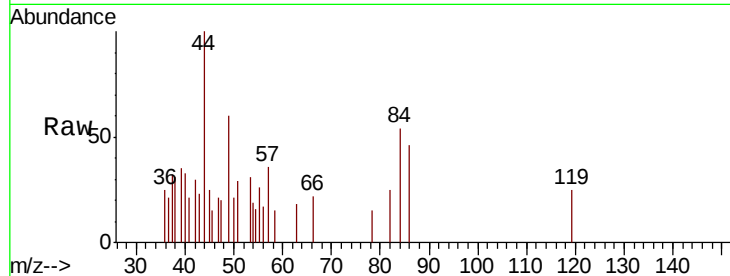




#20
Methylene Chloride
Concen: 0.218 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

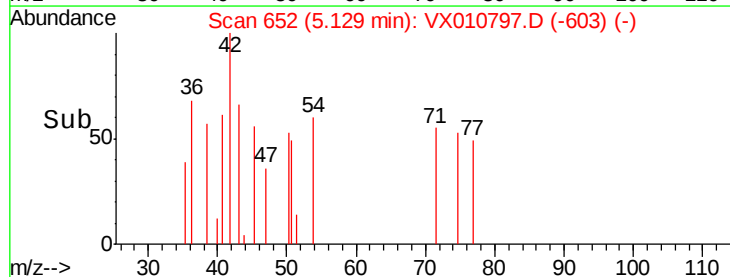
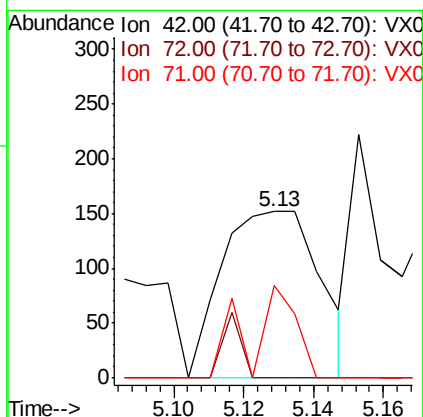
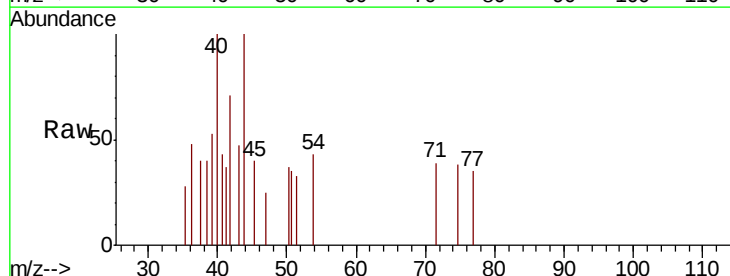
Instrument :
MSVOA_X
ClientSampleId :
TB-20190709

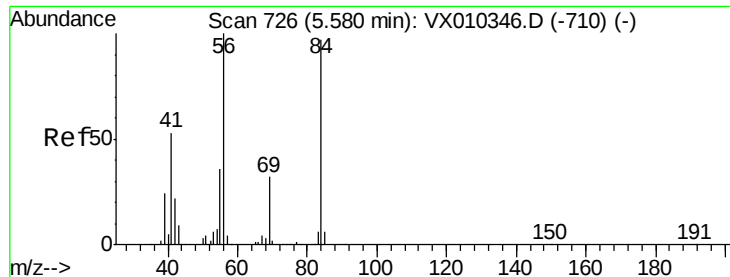
Tot Ion: 84 Resp: 457
Ion Ratio Lower Upper
84 100
49 68.7 87.5 131.3#
51 53.3 27.7 41.5#
86 84.1 53.4 80.0#



#29
Tetrahydrofuran
Concen: 0.320 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Tgt Ion: 42 Resp: 297
Ion Ratio Lower Upper
42 100
72 7.4 40.6 60.8#
71 26.6 37.8 56.8#

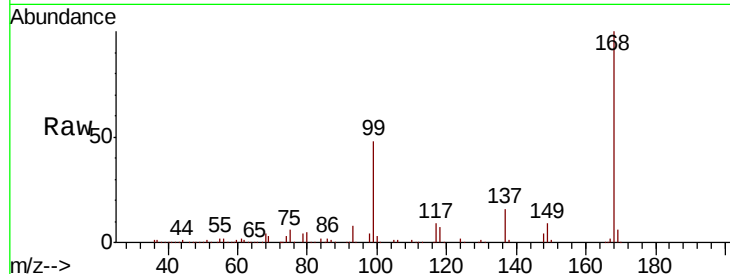




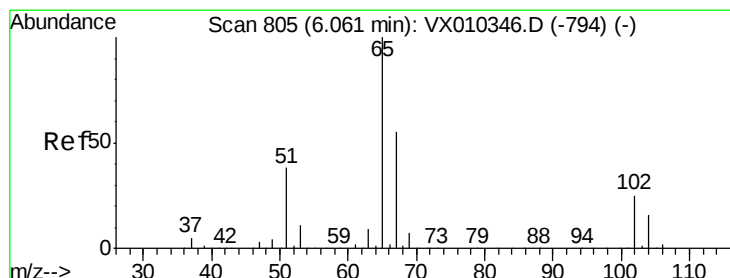
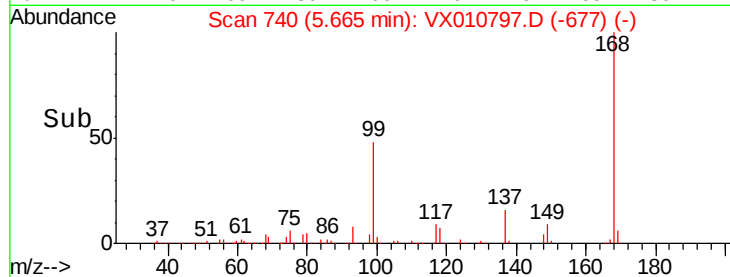
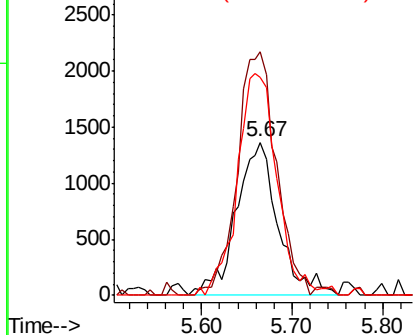
#31
Cyclohexane
Concen: 1.484 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
TB-20190709

Tot Ion: 56 Resp: 4366
Ion Ratio Lower Upper
56 100
69 158.9 25.9 38.9#
84 142.3 78.0 117.0#

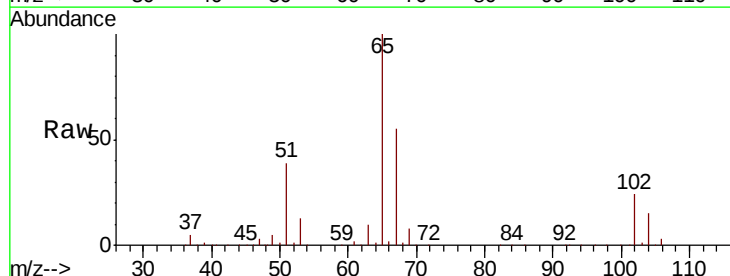


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

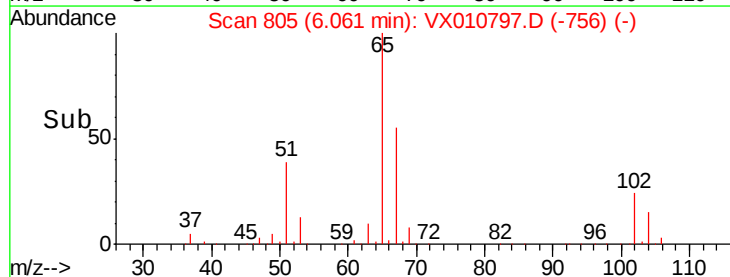
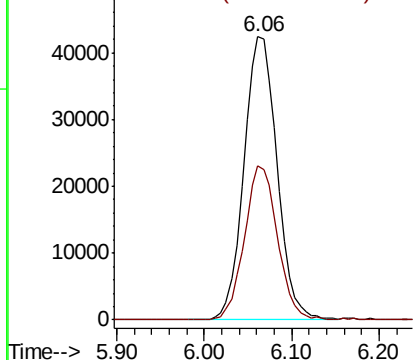


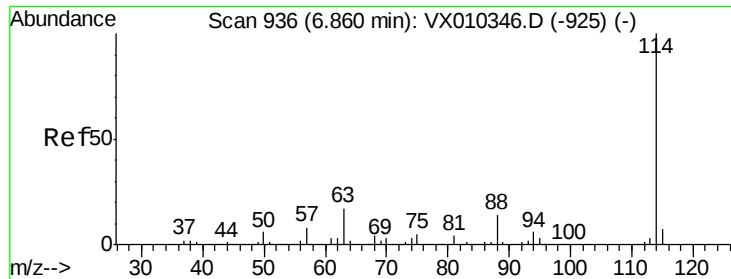
#33
1,2-Dichloroethane-d4
Concen: 54.780 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Tgt Ion: 65 Resp: 111590
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

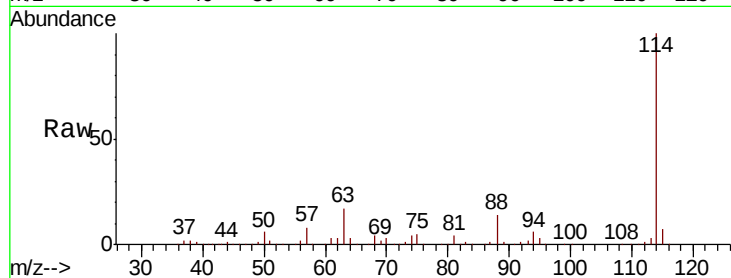




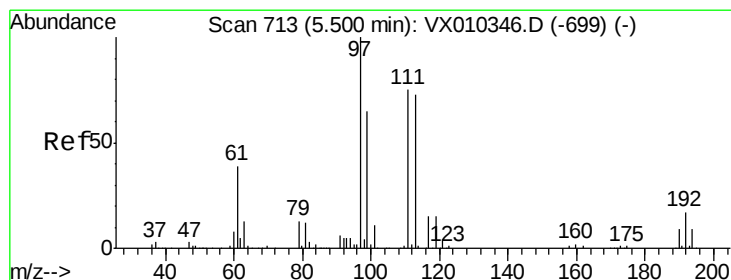
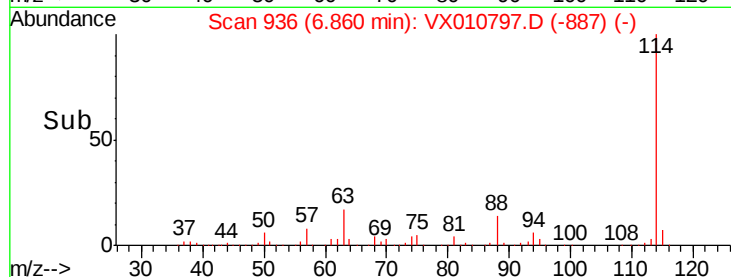
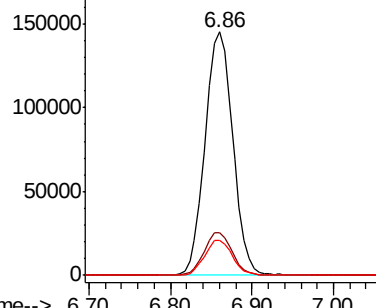
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Instrument :
MSVOA_X
ClientSampleId :
TB-20190709

Tot Ion:114 Resp: 341647
Ion Ratio Lower Upper
114 100
63 17.4 0.0 33.8
88 14.5 0.0 27.6

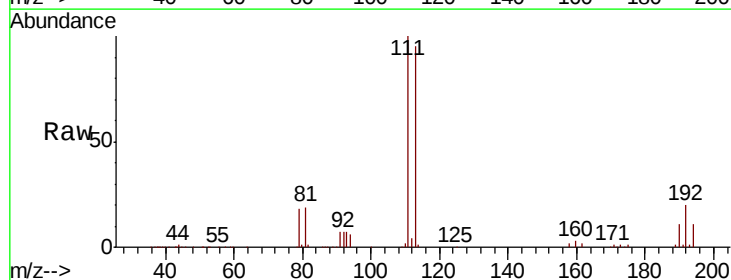


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

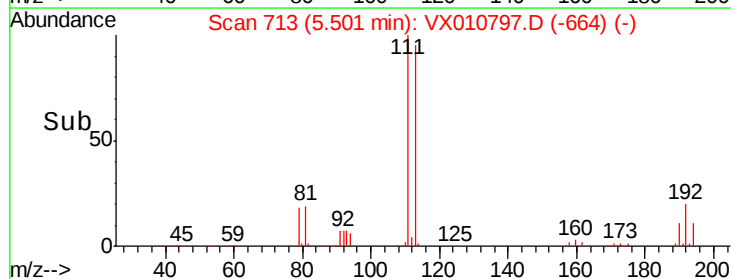
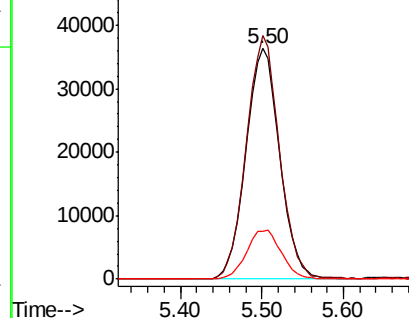


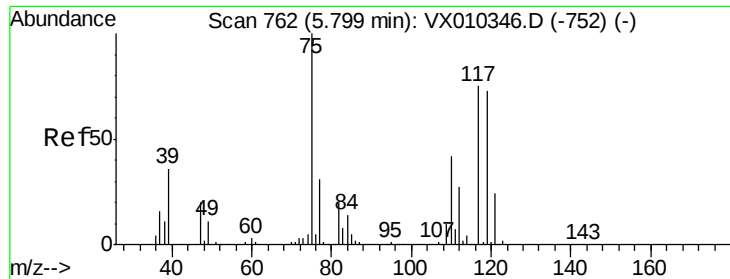
#35
Dibromofluoromethane
Concen: 50.149 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Tgt Ion:113 Resp: 104828
Ion Ratio Lower Upper
113 100
111 103.3 81.2 121.8
192 22.0 18.6 27.8



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: 5.380 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

TB-20190709

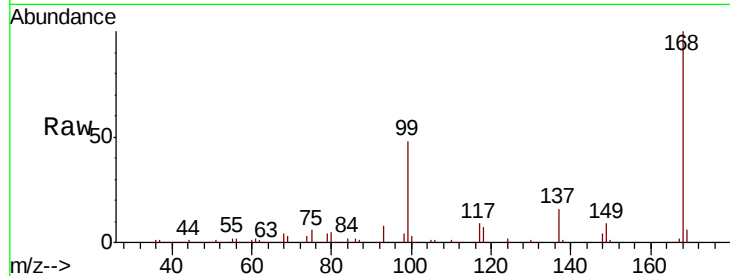
Tot Ion: 75 Resp: 14606

Ion Ratio Lower Upper

75 100

110 10.5 20.8 62.2#

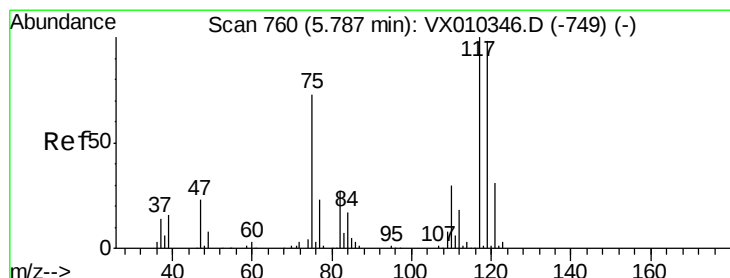
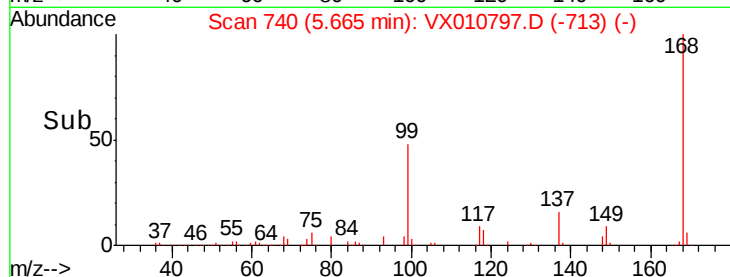
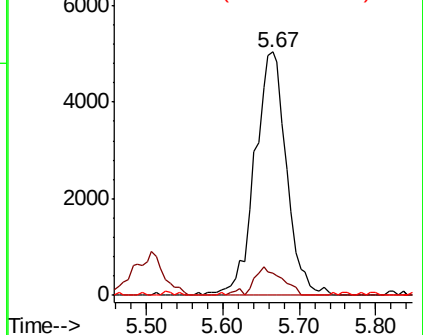
77 0.0 25.4 38.0#



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: 6.806 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

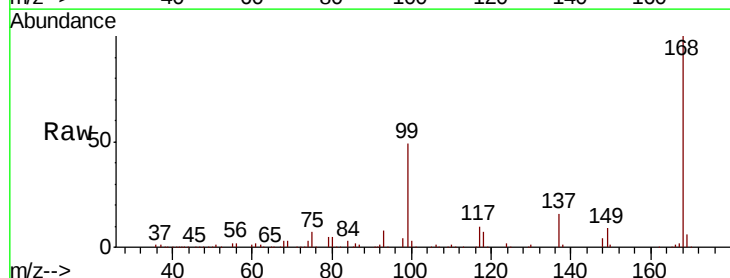
Tgt Ion: 117 Resp: 20009

Ion Ratio Lower Upper

117 100

119 2.8 78.2 117.4#

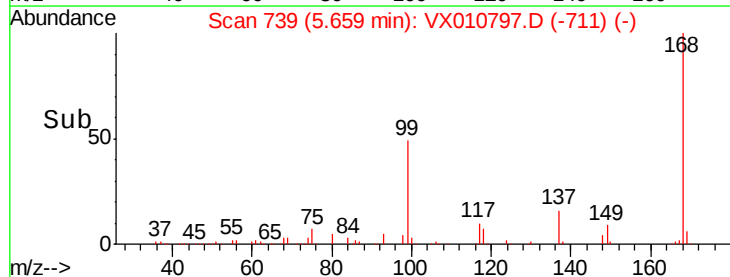
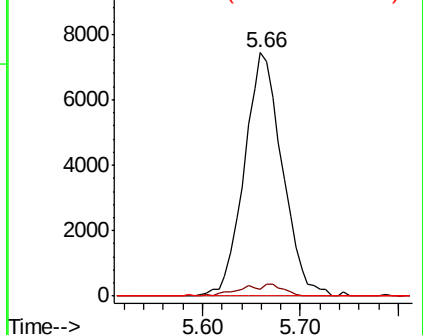
121 0.0 24.7 37.1#

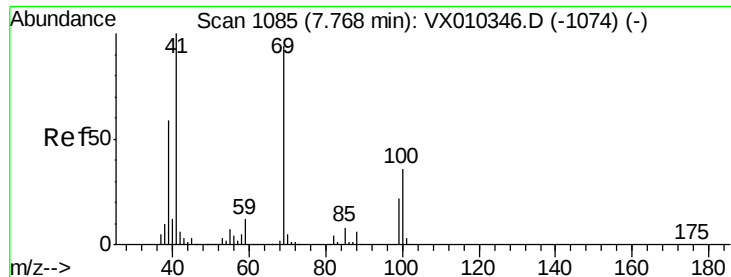


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

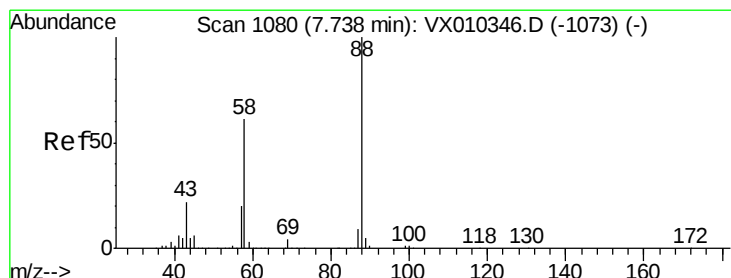
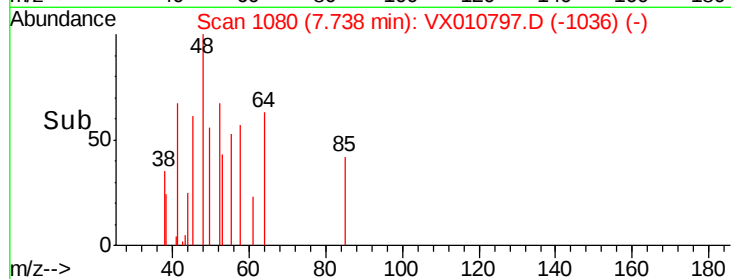
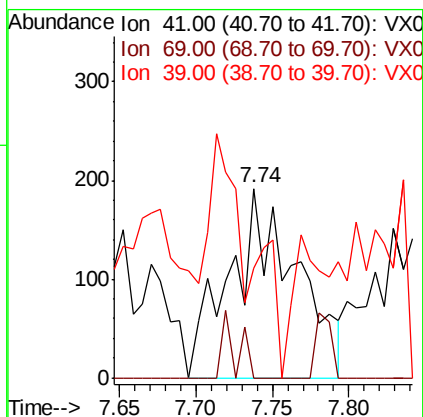
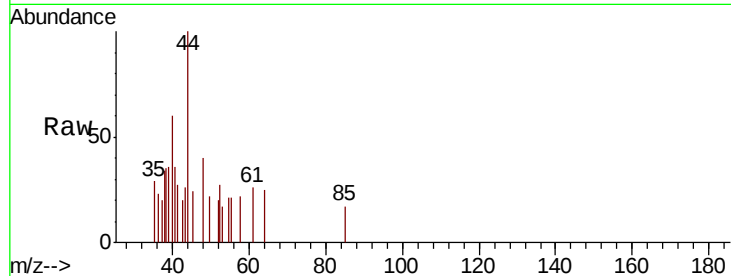




#48
Methvl methacrylate
Concen: 0.271 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.03 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

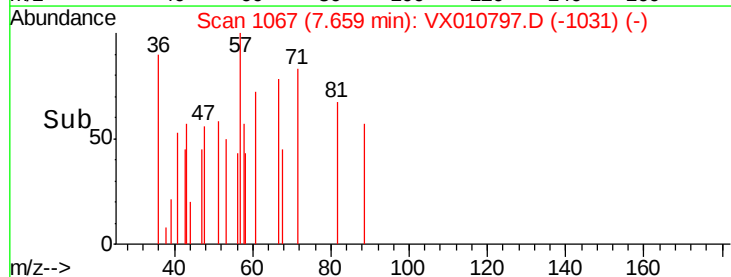
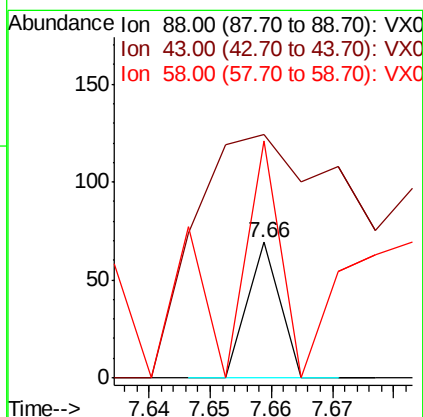
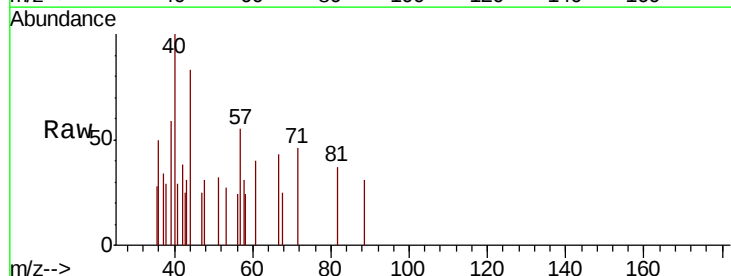
Instrument :
MSVOA_X
ClientSampleId :
TB-20190709

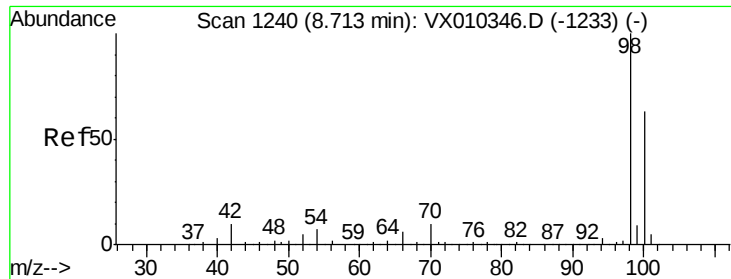
Tot Ion: 41 Resp: 582
Ion Ratio Lower Upper
41 100
69 0.0 76.1 114.1#
39 0.0 47.6 71.4#



#49
1,4-Dioxane
Concen: 0.404 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.08 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 1128.0 20.2 30.2#
58 288.0 49.5 74.3#





#50

Toluene-d8

Concen: 51.114 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

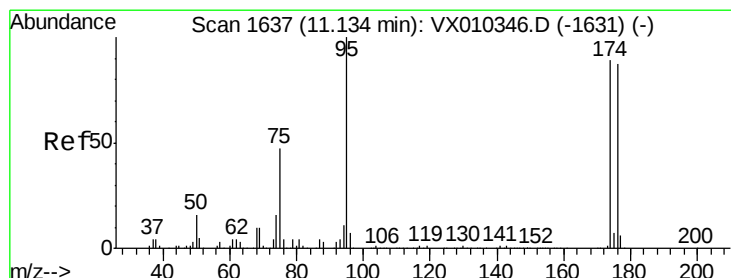
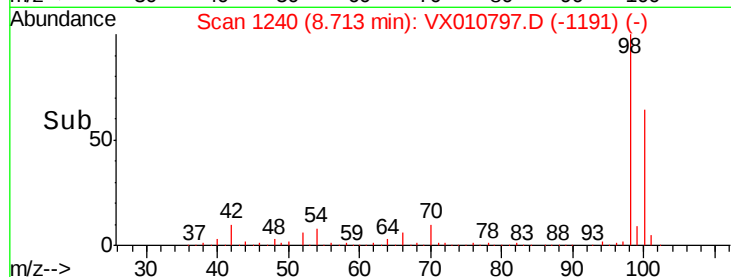
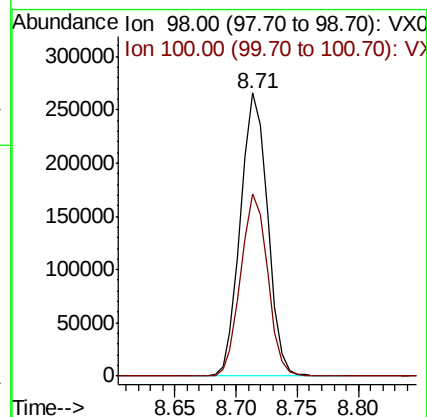
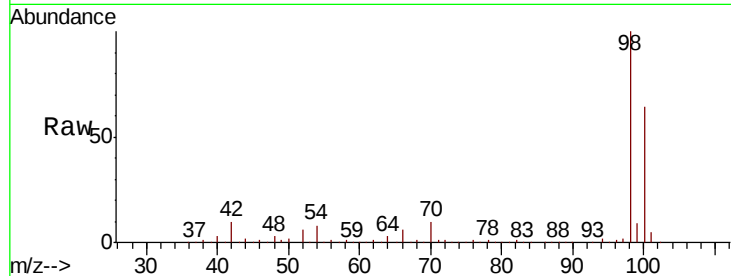
TB-20190709

Tot Ion: 98 Resp: 408764

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.619 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

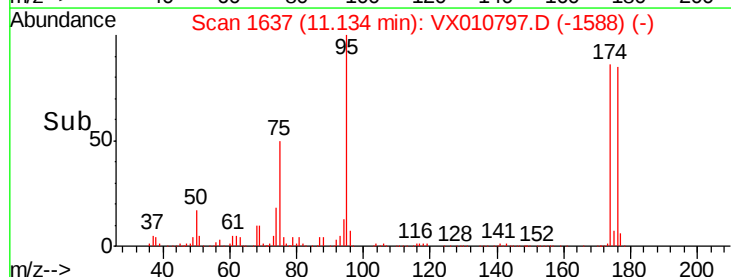
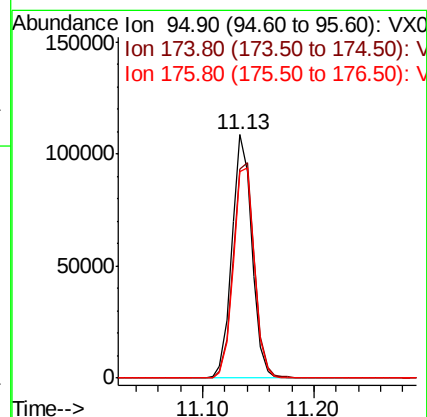
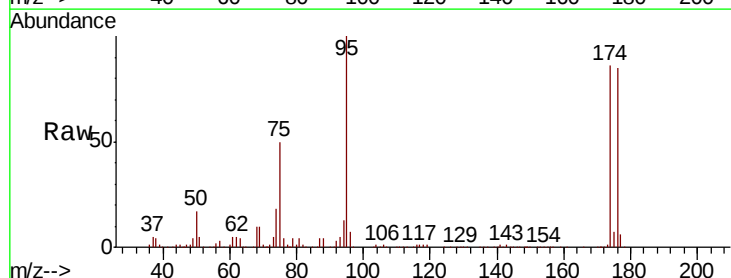
Tgt Ion: 95 Resp: 134598

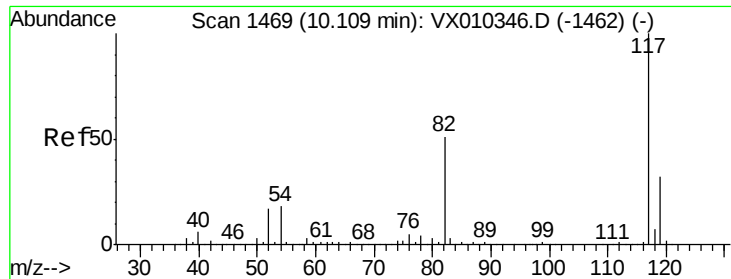
Ion Ratio Lower Upper

95 100

174 93.9 0.0 187.6

176 91.1 0.0 184.0

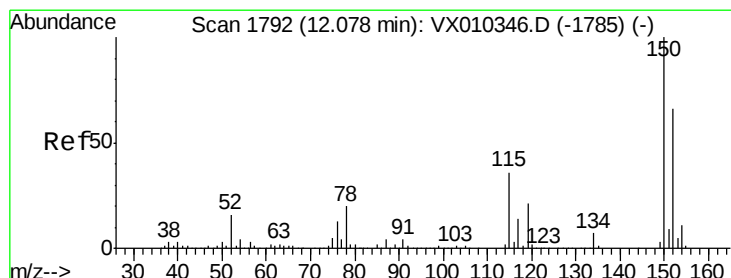
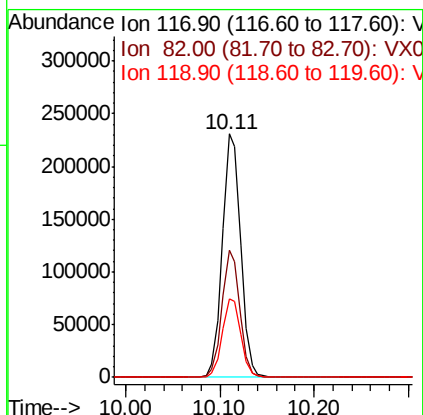
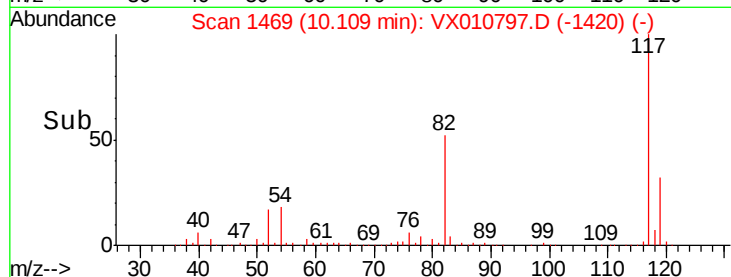
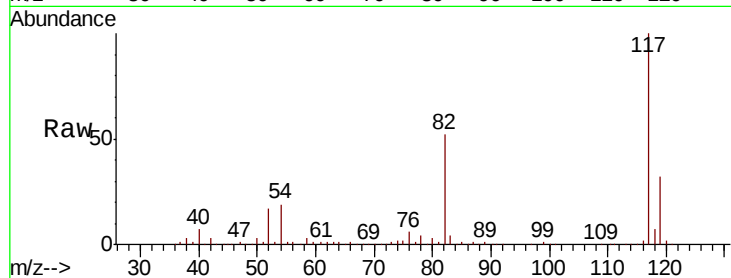




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

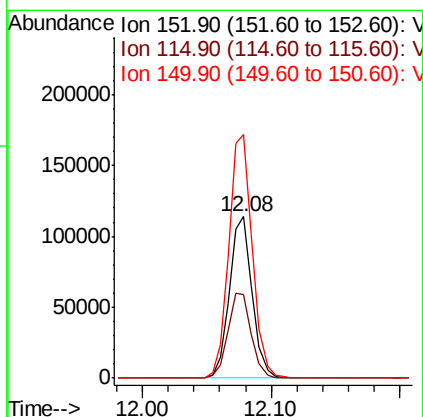
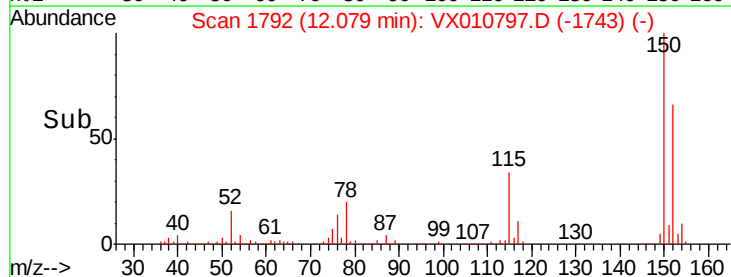
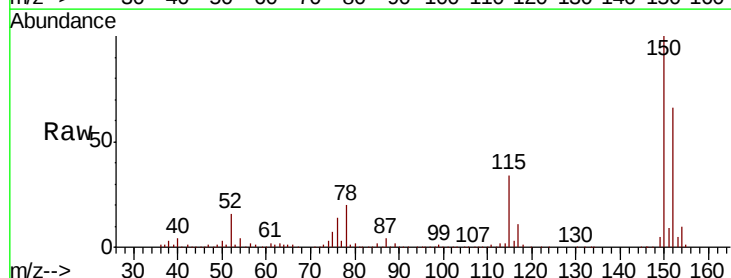
Instrument :
MSVOA_X
ClientSampled :
TB-20190709

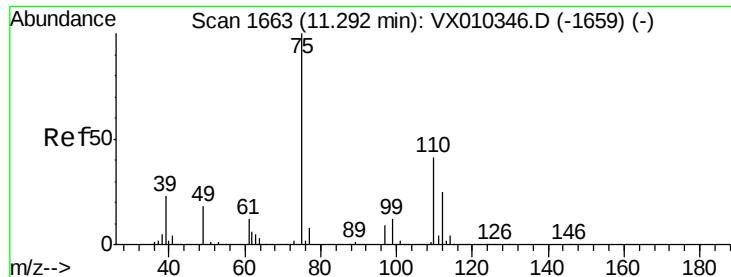
Tot Ion:117 Resp: 310894
Ion Ratio Lower Upper
117 100
82 52.4 41.2 61.8
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010797.D
Acq: 11 Jul 2019 11:20

Tgt Ion:152 Resp: 140534
Ion Ratio Lower Upper
152 100
115 54.2 38.6 115.7
150 155.8 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 26.023 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Instrument :

MSVOA_X

ClientSampleId :

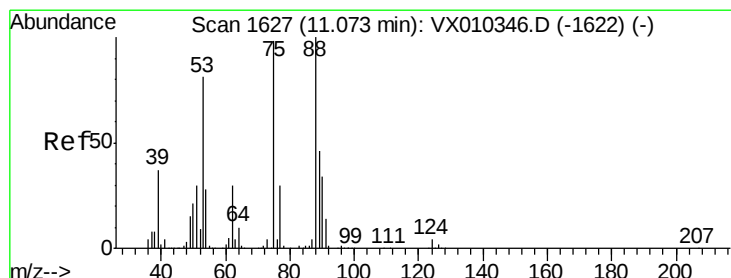
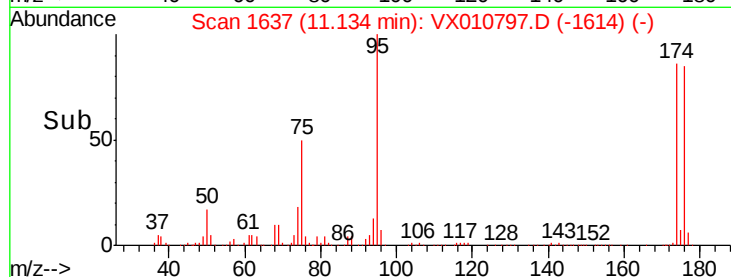
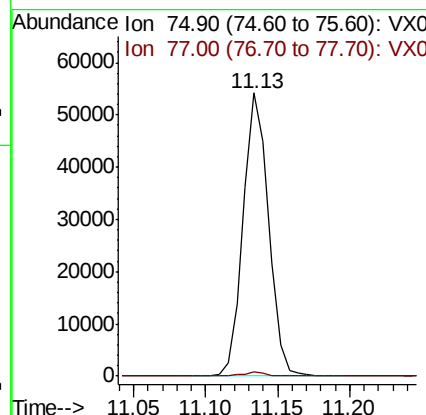
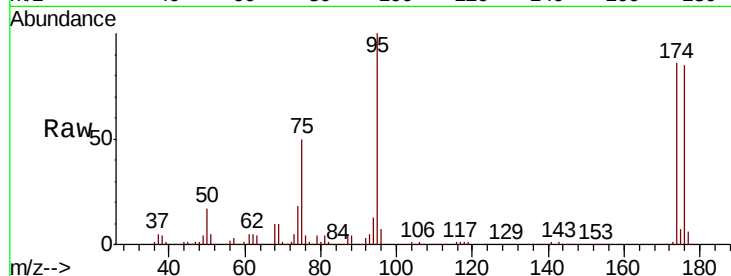
TB-20190709

Tot Ion: 75 Resp: 66643

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.710 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010797.D

Acq: 11 Jul 2019 11:20

Tgt Ion: 75 Resp: 66643

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

