

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010451.D
 Acq On : 26 Jun 2019 10:42
 Operator : JC/SP
 Sample : K3539-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-6-25-19

Quant Time: Jun 27 01:10:07 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	275039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	381571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175126	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	129927	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	5.50	113	128012	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
50) Toluene-d8	8.71	98	496925	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.13	95	166168	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

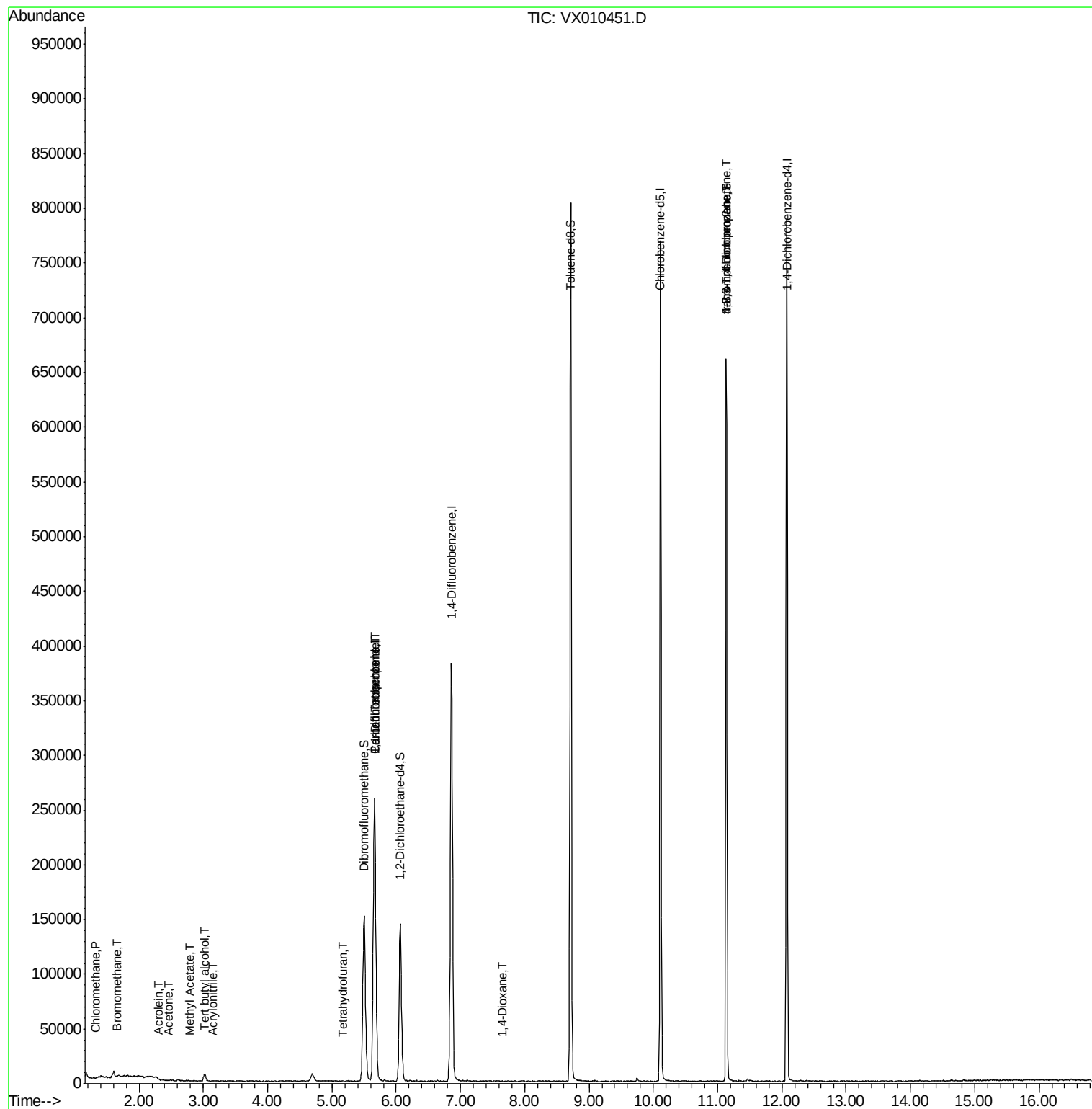
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	450	0.202	ug/l #	52
5) Bromomethane	1.65	94	380	0.320	ug/l	97
11) Tert butyl alcohol	3.02	59	3676	5.448	ug/l #	86
13) Acrolein	2.29	56	320	0.715	ug/l #	27
15) Acrylonitrile	3.15	53	312	0.234	ug/l #	89
16) Acetone	2.46	43	733	0.567	ug/l #	67
18) Methyl Acetate	2.78	43	763	0.296	ug/l #	73
29) Tetrahydrofuran	5.17	42	396	0.337	ug/l #	77
36) 1,1-Dichloropropene	5.66	75	17233	5.143	ug/l #	47
38) Carbon Tetrachloride	5.67	117	24229	6.677	ug/l #	15
49) 1,4-Dioxane	7.65	88	37	0.484	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	78382	24.561	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	78382	57.299	ug/l #	16

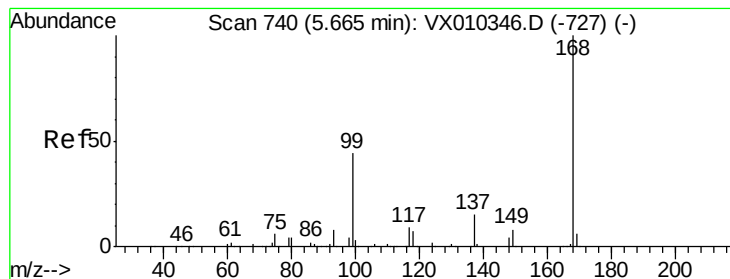
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX010451.D

Acq: 26 Jun 2019 10:42

Instrument :

MSVOA_X

ClientSampled :

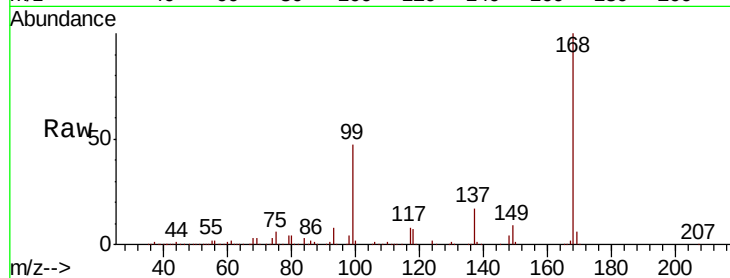
TB-6-25-19

Tot Ion:168 Resp: 275039

Ion Ratio Lower Upper

168 100

99 46.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

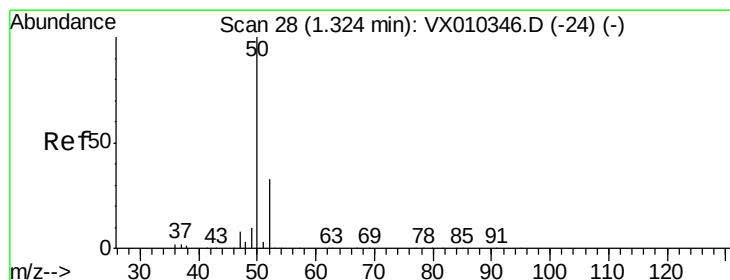
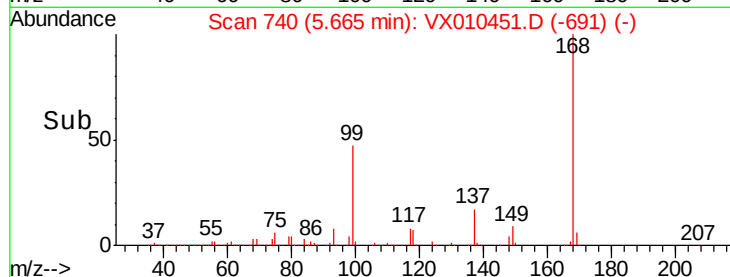
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010451.D

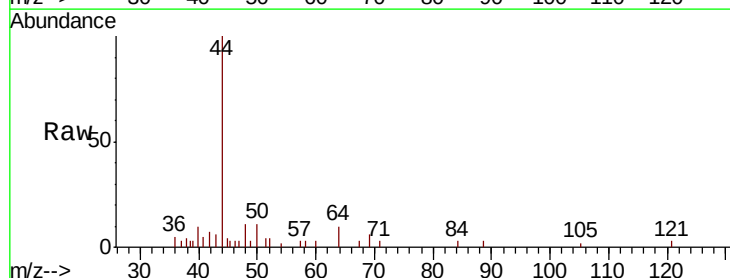
Acq: 26 Jun 2019 10:42

Tgt Ion: 50 Resp: 450

Ion Ratio Lower Upper

50 100

52 5.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

250

200

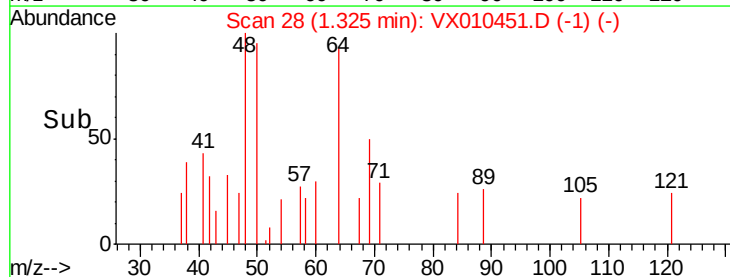
150

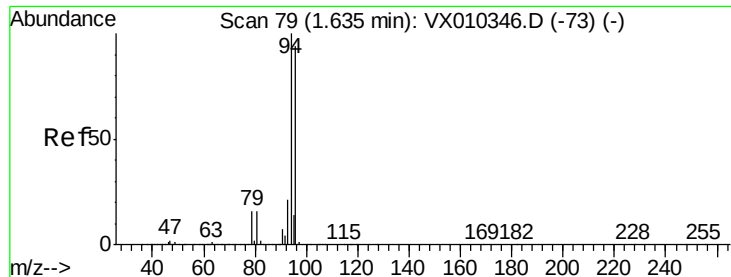
100

50

0

Time-->





#5

Bromomethane

Concen: 0.320 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

Instrument :

MSVOA_X

ClientSampleId :

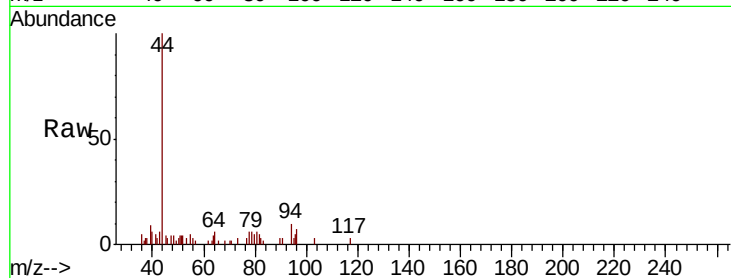
TB-6-25-19

Tot Ion: 94 Resp: 380

Ion Ratio Lower Upper

94 100

96 97.5 75.5 113.3

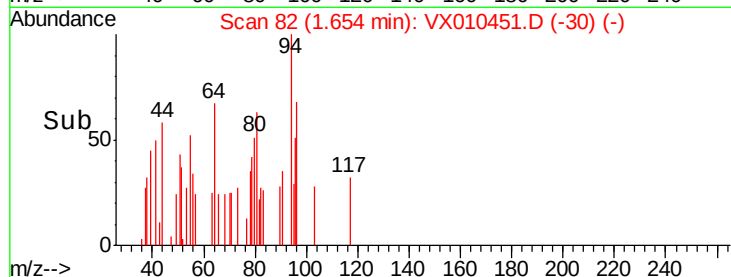


Abundance Ion 93.90 (93.60 to 94.60): VX0

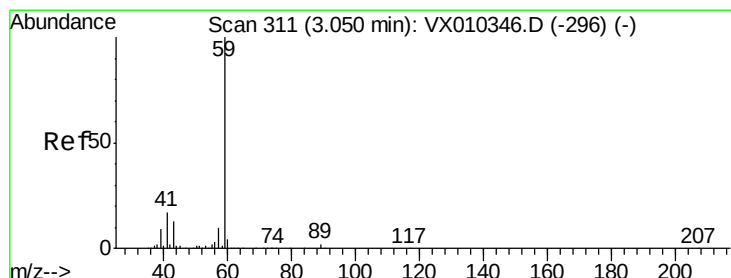
Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 5.448 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010451.D

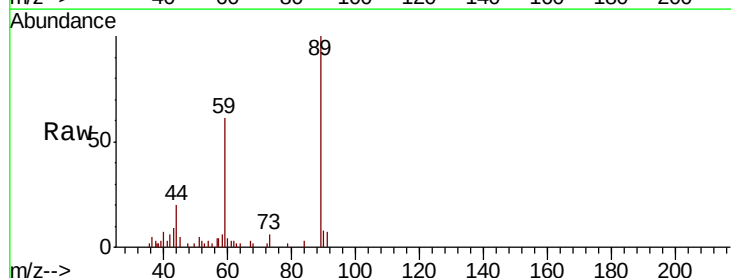
Acq: 26 Jun 2019 10:42

Tgt Ion: 59 Resp: 3676

Ion Ratio Lower Upper

59 100

57 4.4 7.7 11.5#

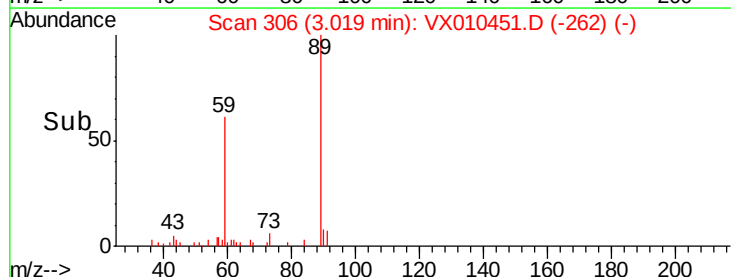


Abundance Ion 59.00 (58.70 to 59.70): VX0

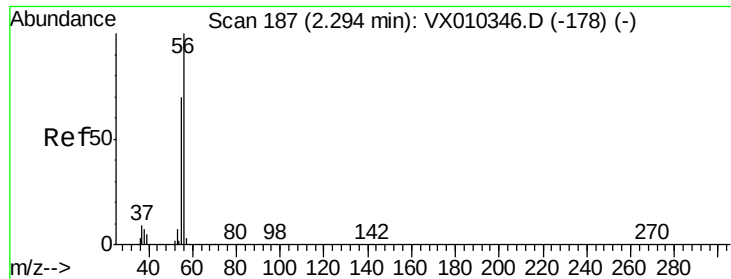
Ion 57.00 (56.70 to 57.70): VX0

3.02

Time-->



Time-->



#13

Acrolein

Concen: 0.715 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

Instrument :

MSVOA_X

ClientSampled :

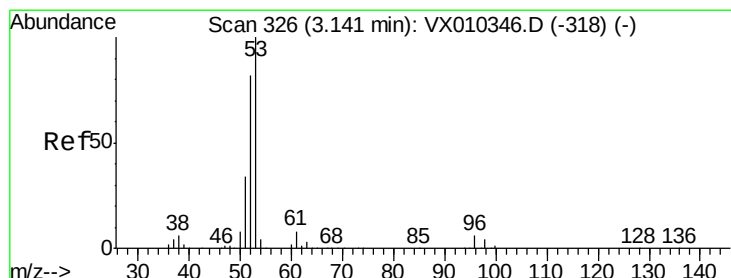
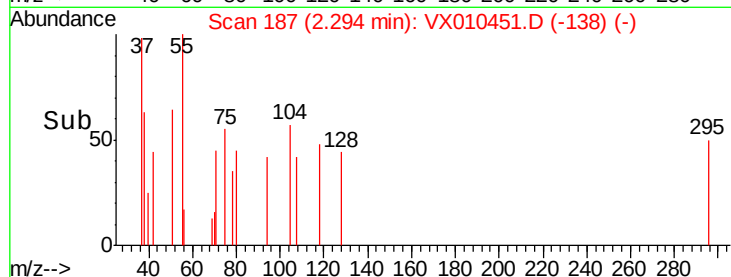
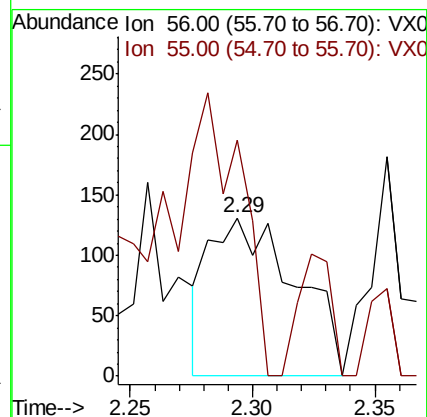
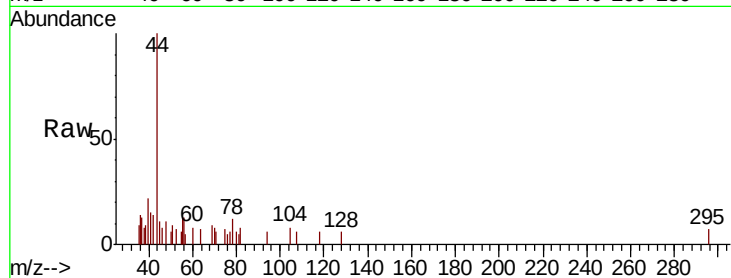
TB-6-25-19

Tot Ion: 56 Resp: 320

Ion Ratio Lower Upper

56 100

55 131.6 56.9 85.3#



#15

Acrylonitrile

Concen: 0.234 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

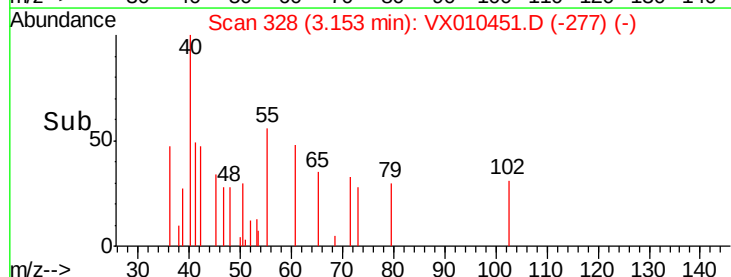
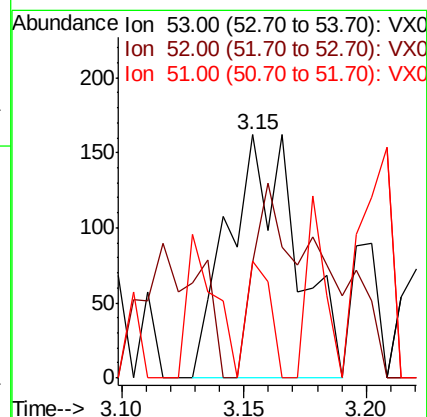
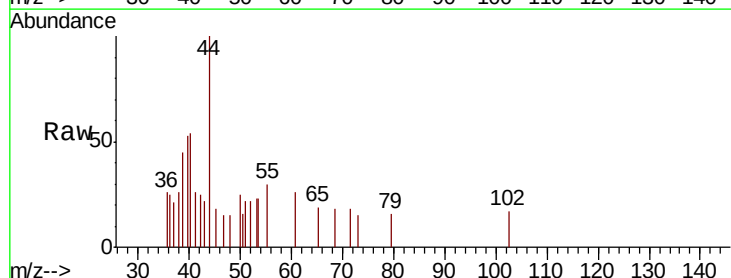
Tgt Ion: 53 Resp: 312

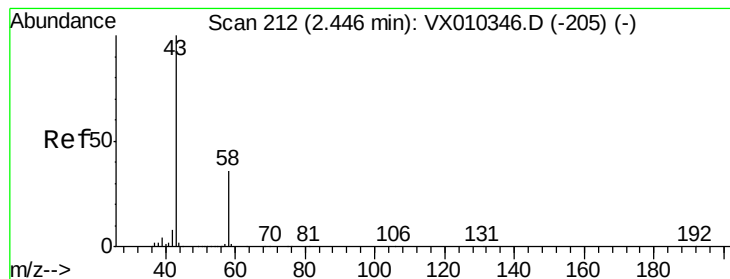
Ion Ratio Lower Upper

53 100

52 84.0 65.5 98.3

51 16.7 28.2 42.4#





#16

Acetone

Concen: 0.567 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

Instrument :

MSVOA_X

ClientSampled :

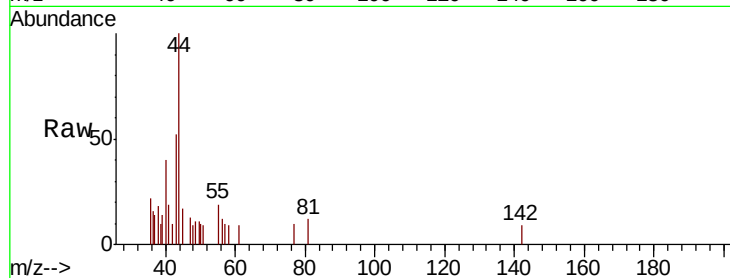
TB-6-25-19

Tot Ion: 43 Resp: 733

Ion Ratio Lower Upper

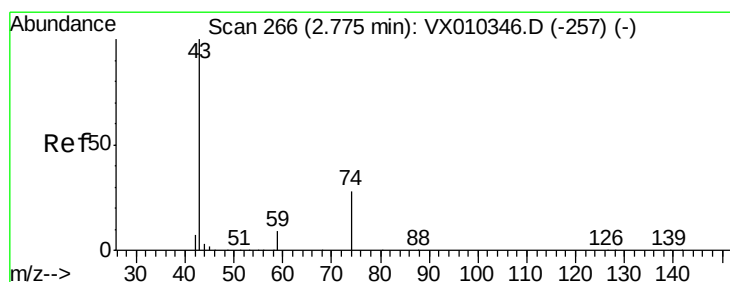
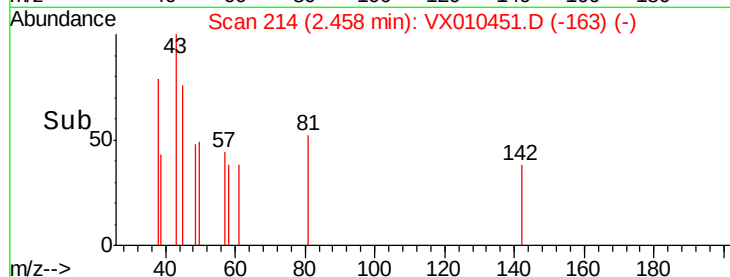
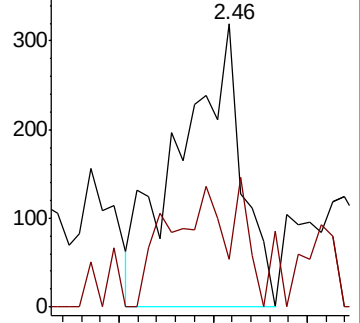
43 100

58 16.9 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: 0.296 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX010451.D

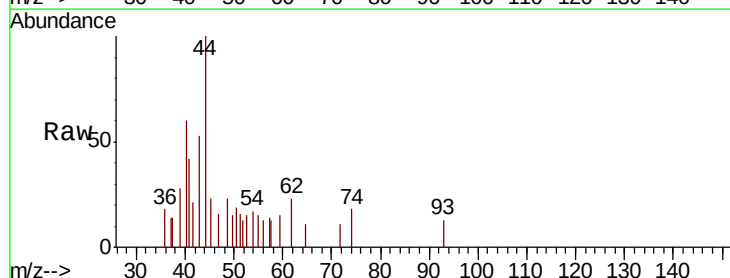
Acq: 26 Jun 2019 10:42

Tgt Ion: 43 Resp: 763

Ion Ratio Lower Upper

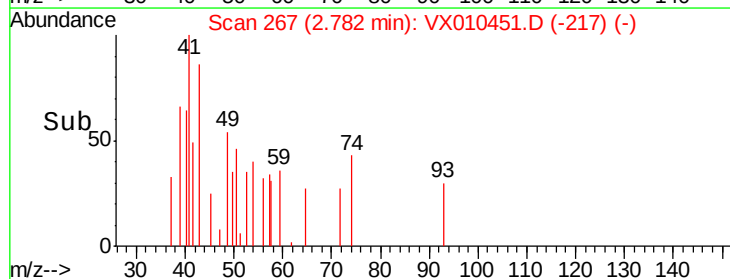
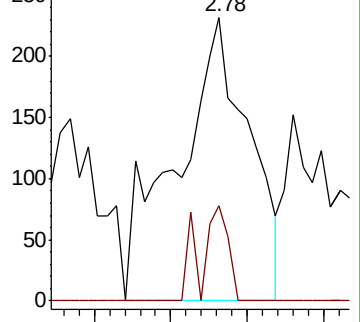
43 100

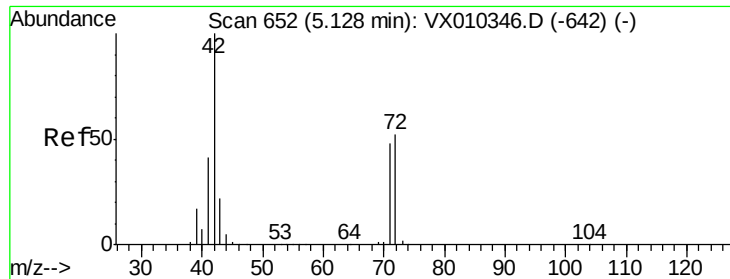
74 12.8 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

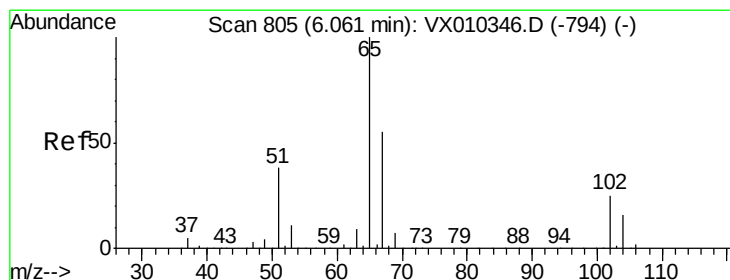
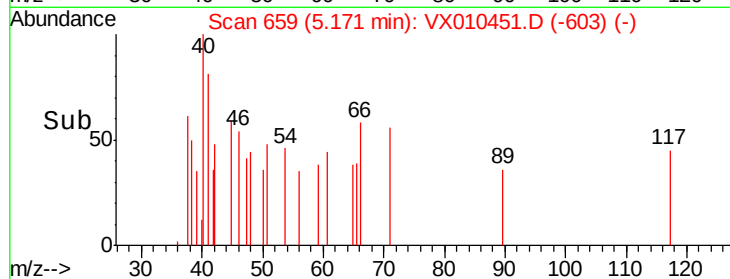
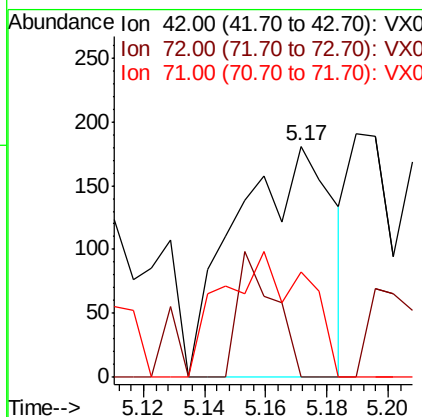
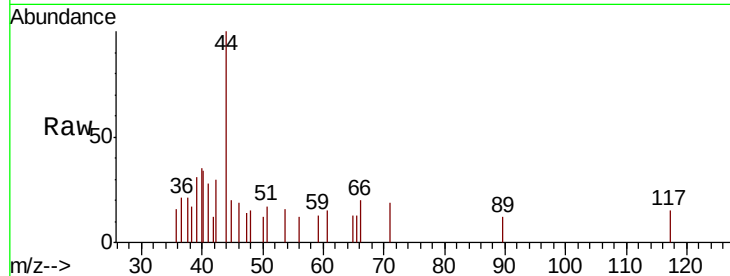




#29
Tetrahydrofuran
Concen: 0.337 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.04 min
Lab File: VX010451.D
Acq: 26 Jun 2019 10:42

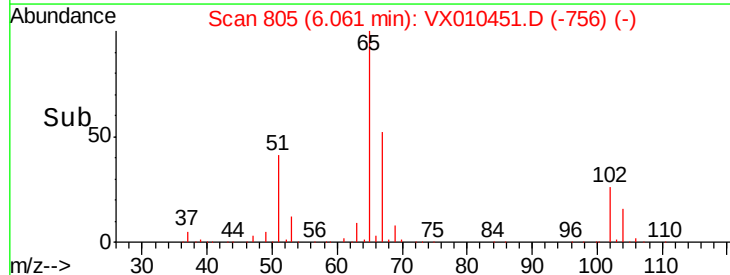
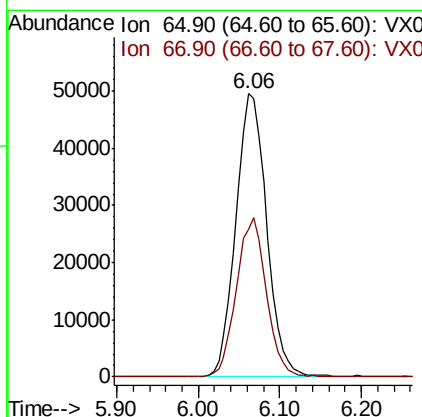
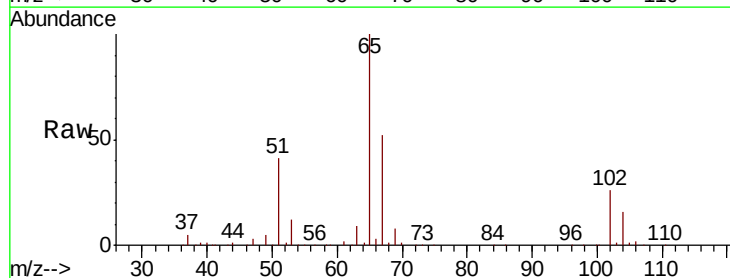
Instrument :
MSVOA_X
ClientSampled :
TB-6-25-19

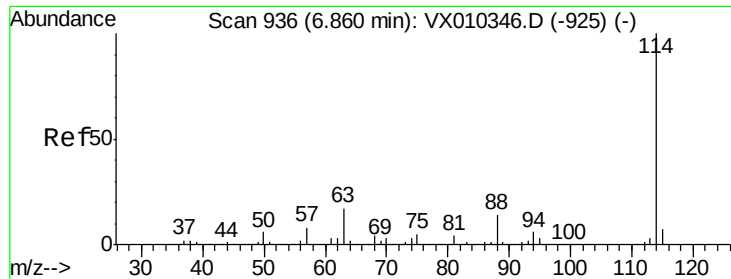
Tot Ion: 42 Resp: 396
Ion Ratio Lower Upper
42 100
72 20.2 40.6 60.8#
71 46.7 37.8 56.8



#33
1,2-Dichloroethane-d4
Concen: 50.383 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010451.D
Acq: 26 Jun 2019 10:42

Tgt Ion: 65 Resp: 129927
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.2

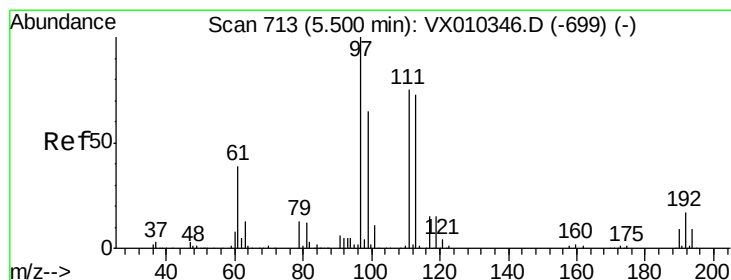
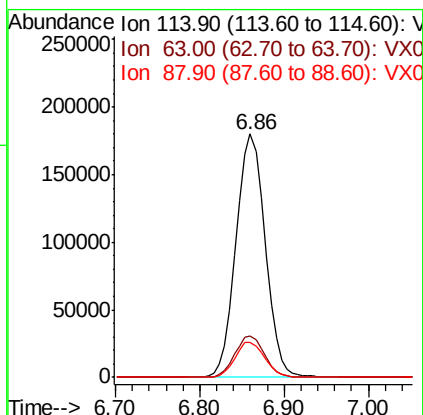
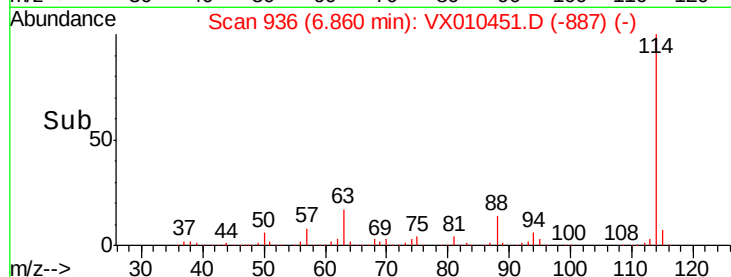
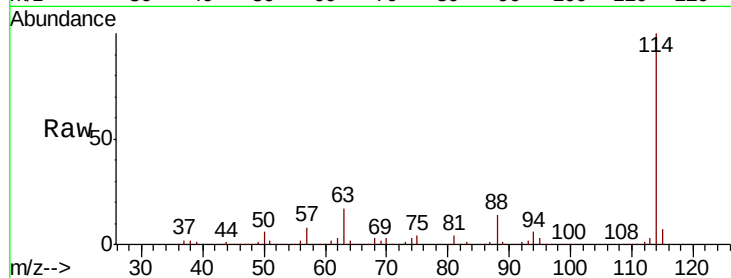




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010451.D
 Acq: 26 Jun 2019 10:42

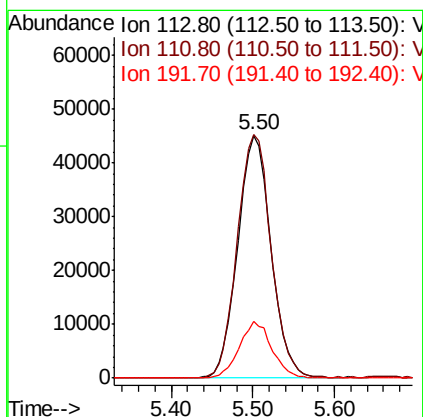
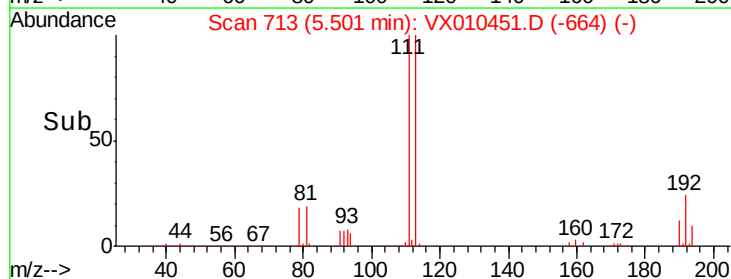
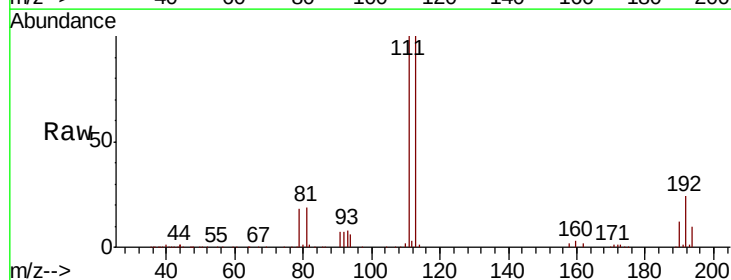
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-6-25-19

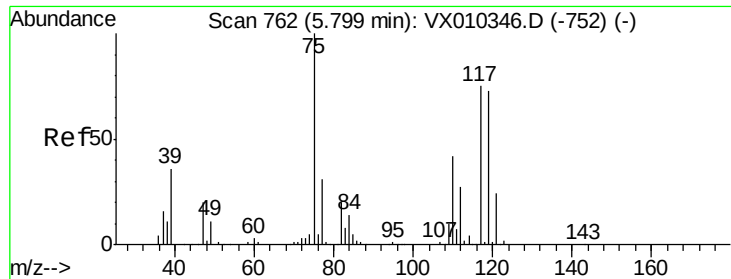
Tot Ion:114 Resp: 421703
 Ion Ratio Lower Upper
 114 100
 63 16.9 0.0 33.8
 88 14.2 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 49.615 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010451.D
 Acq: 26 Jun 2019 10:42

Tgt Ion:113 Resp: 128012
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.2 121.8
 192 22.8 18.6 27.8

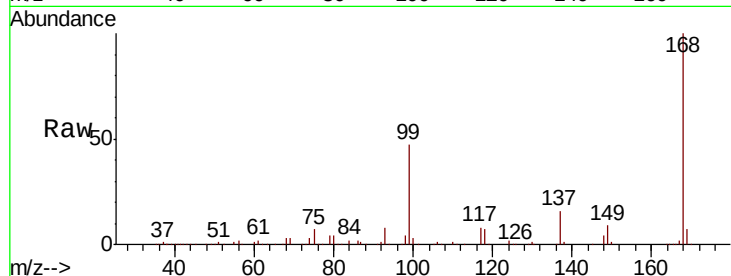




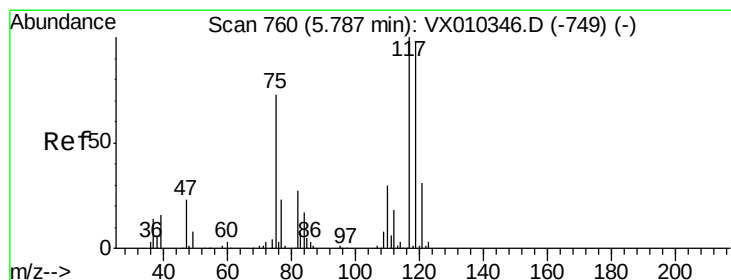
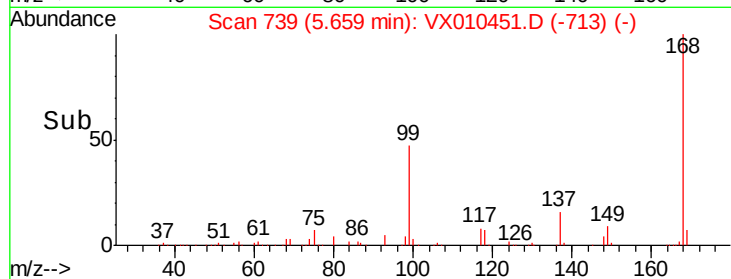
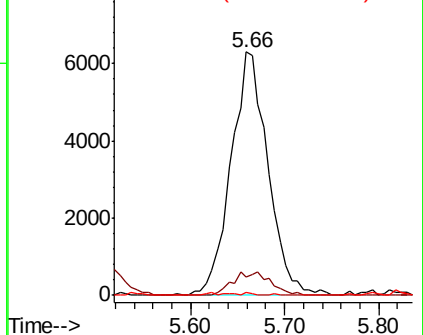
#36
 1,1-Dichloropropene
 Concen: 5.143 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010451.D
 Acq: 26 Jun 2019 10:42

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-6-25-19

Tot Ion	75	Resp	17233
Ion Ratio	100	Lower	Upper
110	9.9	20.8	62.2#
77	0.3	25.4	38.0#

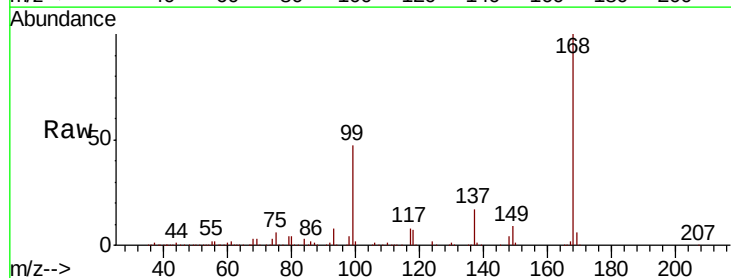


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

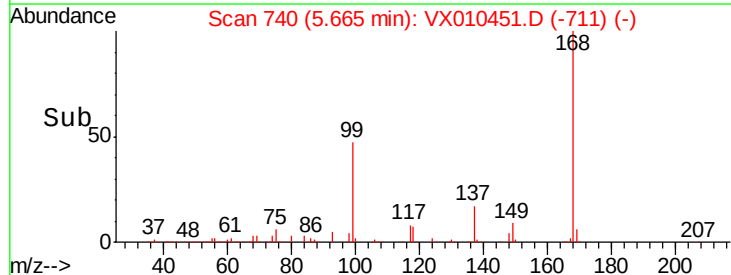
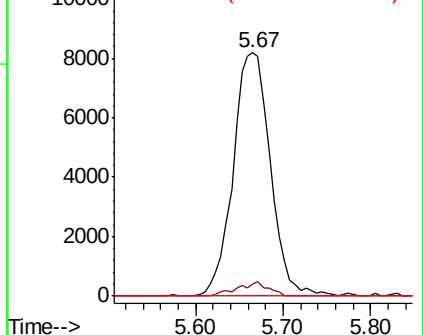


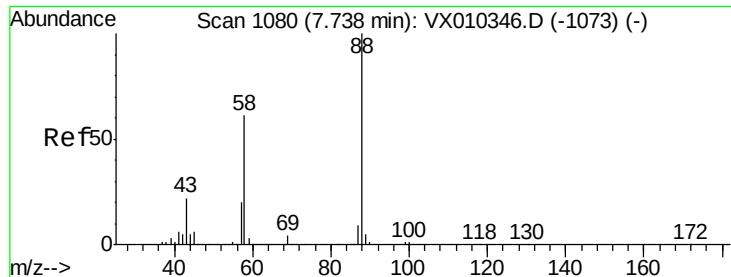
#38
 Carbon Tetrachloride
 Concen: 6.677 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX010451.D
 Acq: 26 Jun 2019 10:42

Tgt Ion	117	Resp	24229
Ion Ratio	100	Lower	Upper
119	5.1	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

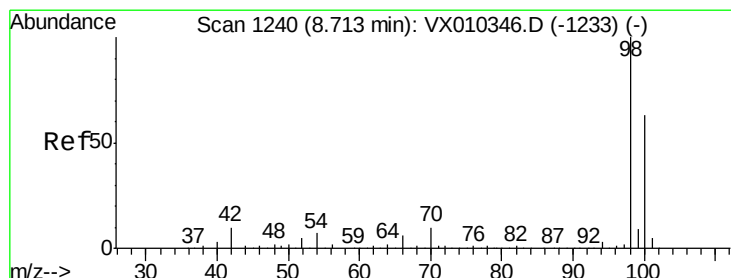
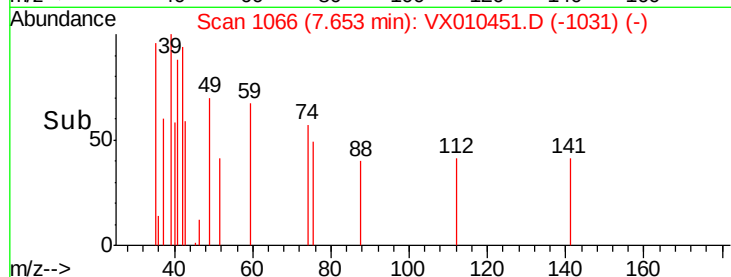
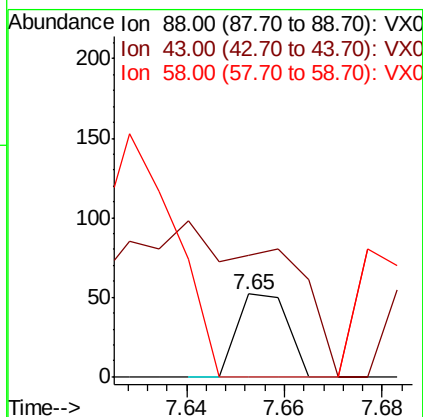
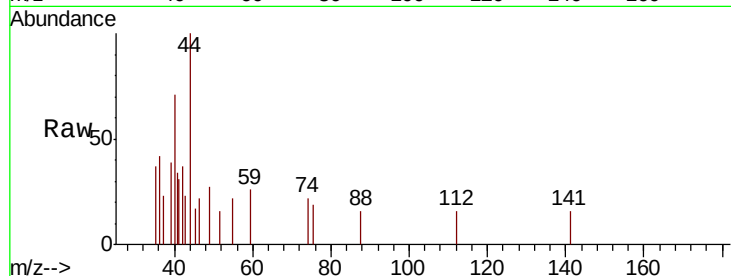




#49
1,4-Dioxane
Concen: 0.484 ug/l
RT: 7.65 min Scan# 1066
Delta R.T. -0.09 min
Lab File: VX010451.D
Acq: 26 Jun 2019 10:42

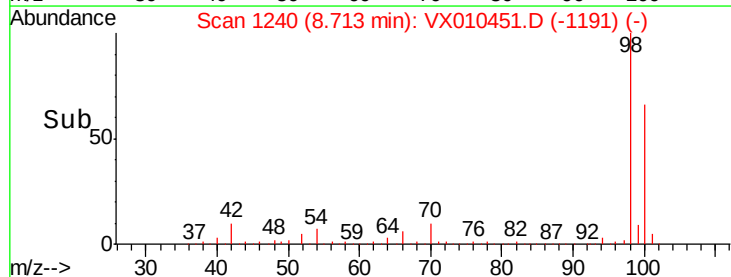
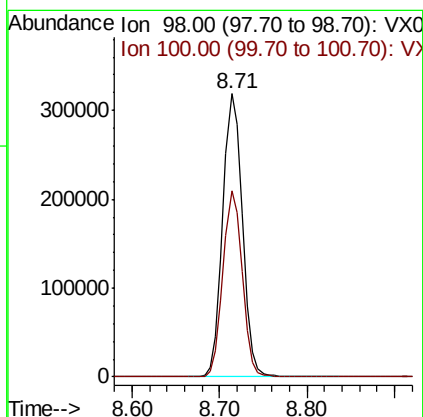
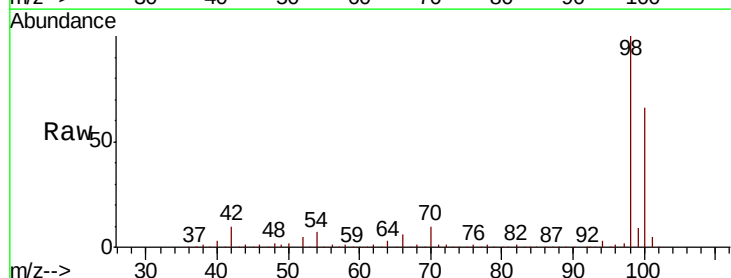
Instrument :
MSVOA_X
ClientSampled :
TB-6-25-19

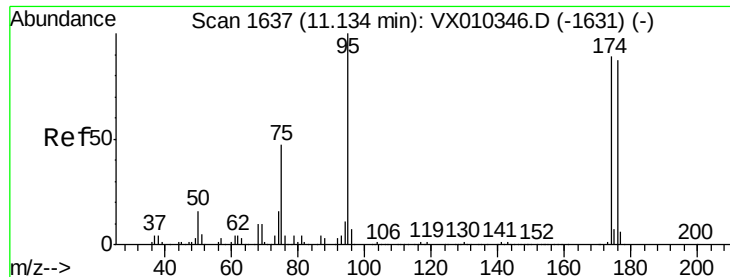
Tot Ion: 88 Resp: 37
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#



#50
Toluene-d8
Concen: 50.341 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010451.D
Acq: 26 Jun 2019 10:42

Tgt Ion: 98 Resp: 496925
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





#62

4-Bromofluorobenzene

Concen: 46.627 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

Instrument :

MSVOA_X

ClientSampleId :

TB-6-25-19

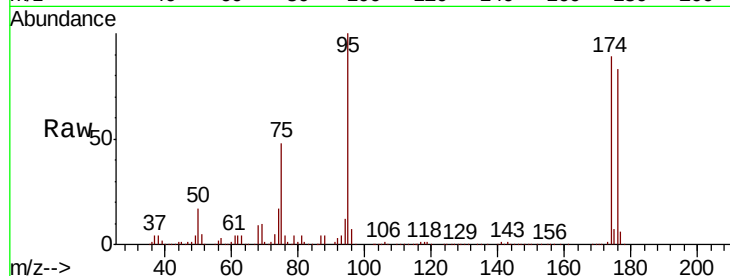
Tot Ion: 95 Resp: 166168

Ion Ratio Lower Upper

95 100

174 95.1 0.0 187.6

176 91.7 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)

11.13

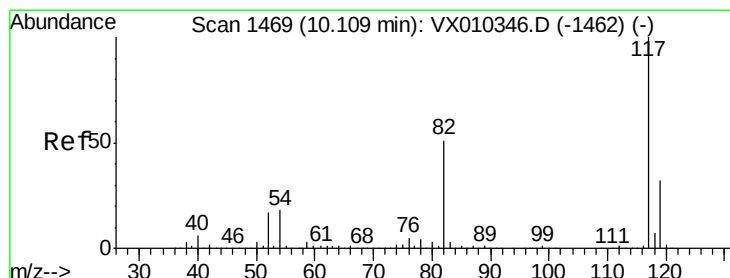
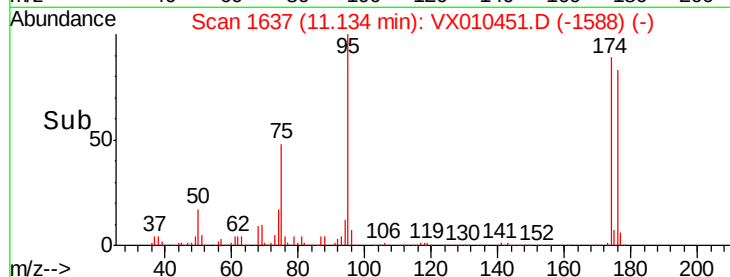
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

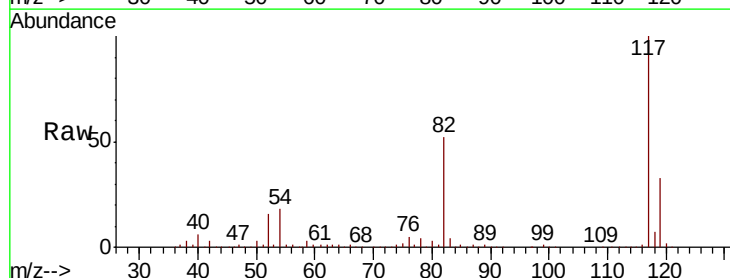
Tgt Ion: 117 Resp: 381571

Ion Ratio Lower Upper

117 100

82 51.5 41.2 61.8

119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

10.11

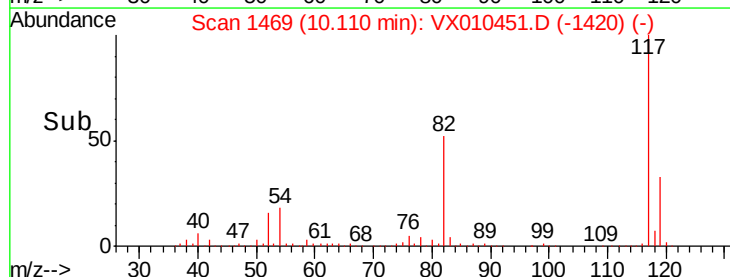
300000

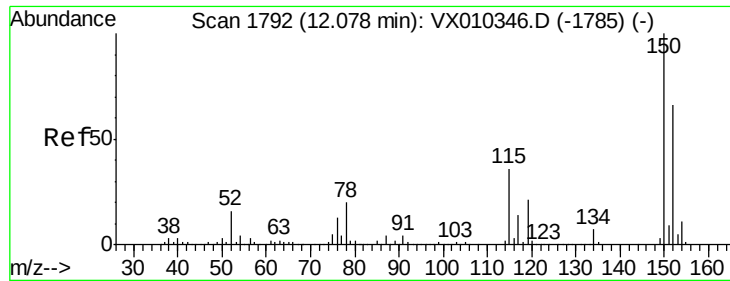
200000

100000

0

Time-->



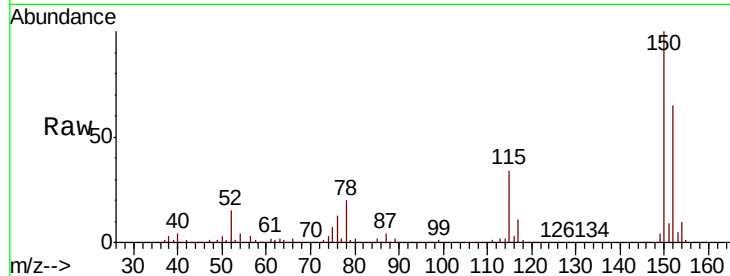


#72

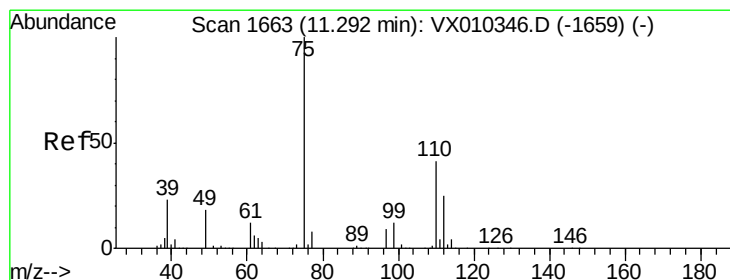
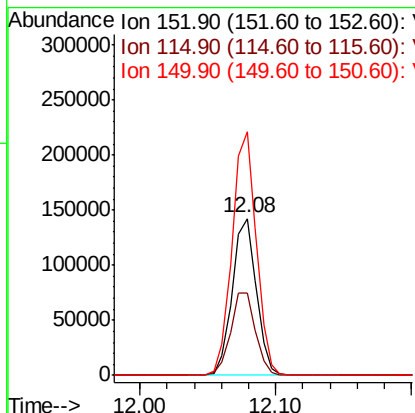
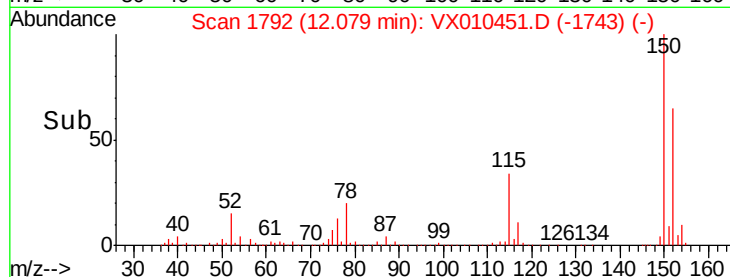
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010451.D
Acq: 26 Jun 2019 10:42

Instrument :
MSVOA_X
ClientSampleId :
TB-6-25-19

Tot Ion:152 Resp: 175126
Ion Ratio Lower Upper
152 100
115 54.7 38.6 115.7
150 155.9 0.0 347.4



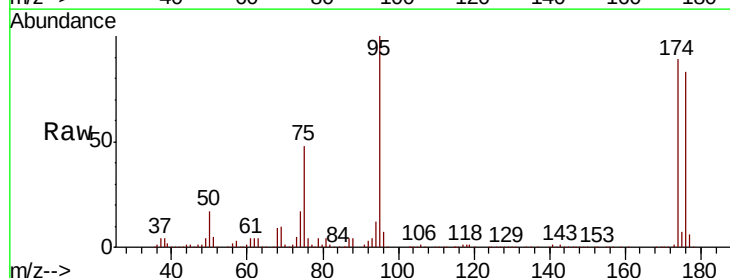
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



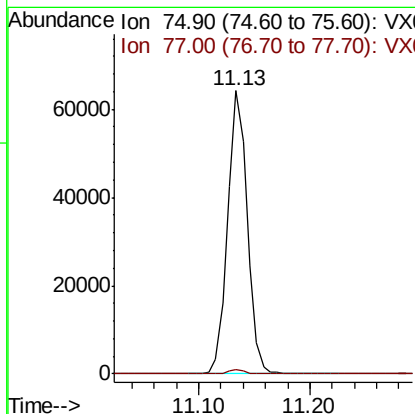
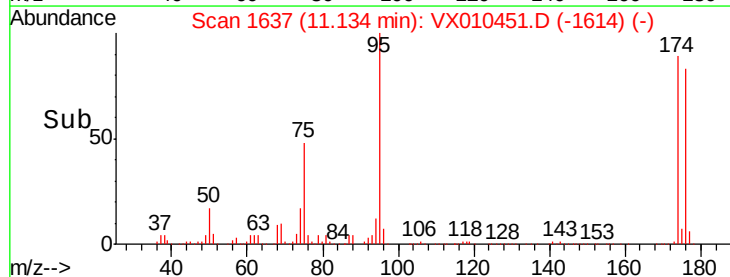
#76

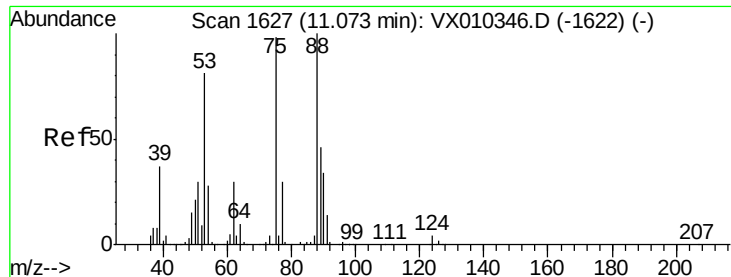
1,2,3-Trichloropropane
Concen: 24.561 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010451.D
Acq: 26 Jun 2019 10:42

Tgt Ion: 75 Resp: 78382
Ion Ratio Lower Upper
75 100
77 1.3 22.6 67.8#



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: 57.299 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010451.D

Acq: 26 Jun 2019 10:42

Instrument :

MSVOA_X

ClientSampleId :

TB-6-25-19

Tot Ion: 75 Resp: 78382

Ion Ratio Lower Upper

75 100

53 0.2 66.1 99.1#

89 0.0 37.8 56.6#

