

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011715.D
 Acq On : 21 Aug 2019 03:57
 Operator : JC/SP
 Sample : K4387-40
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B2-(0)

Quant Time: Aug 21 05:31:57 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	5.66	168	360400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	511202	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	465352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	219037	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	188653	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
35) Dibromofluoromethane	5.49	113	157546	47.12	ug/l	0.00
Spiked Amount			Recovery	=	94.24%	
50) Toluene-d8	8.71	98	600819	57.67	ug/l	0.00
Spiked Amount			Recovery	=	115.34%	
62) 4-Bromofluorobenzene	11.13	95	195034	44.35	ug/l	0.00
Spiked Amount			Recovery	=	88.70%	

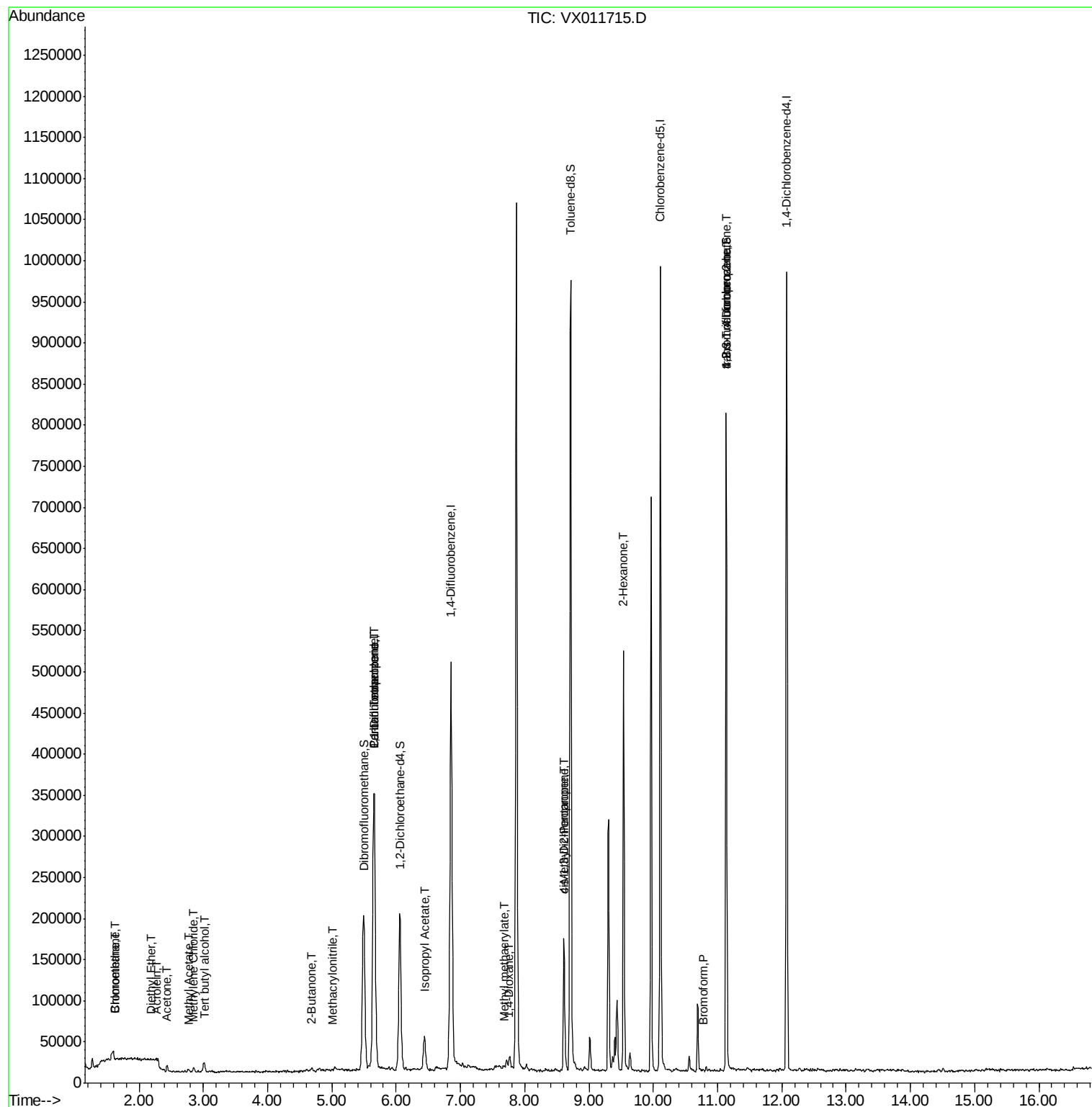
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	437	0.293	ug/l #	8
6) Chloroethane	1.62	64	380	0.242	ug/l #	1
8) Diethyl Ether	2.18	74	449	0.284	ug/l	99
11) Tert butyl alcohol	3.01	59	7402	9.027	ug/l #	94
13) Acrolein	2.28	56	275	13.221	ug/l #	1
16) Acetone	2.43	43	7373	4.387	ug/l #	86
18) Methyl Acetate	2.77	43	3730	0.716	ug/l #	71
20) Methylene Chloride	2.85	84	2800	0.794	ug/l #	91
25) 2-Butanone	4.68	43	1120	0.425	ug/l #	86
36) 1,1-Dichloropropene	5.65	75	22699	5.193	ug/l #	52
38) Carbon Tetrachloride	5.66	117	32073	6.661	ug/l #	16
41) Methacrylonitrile	5.01	41	598	0.216	ug/l #	48
43) Isopropyl Acetate	6.45	43	55838	7.117	ug/l	99
48) Methyl methacrylate	7.68	41	3736	0.962	ug/l #	18
49) 1,4-Dioxane	7.74	88	599	5.797	ug/l #	64
51) 4-Methyl-2-Pentanone	8.61	43	54569	10.627	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	26165	5.097	ug/l #	64
59) 2-Hexanone	9.54	43	60296	15.226	ug/l #	52
71) Bromoform	10.77	173	105	3.319	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	94338	22.713	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	94338	60.494	ug/l #	11

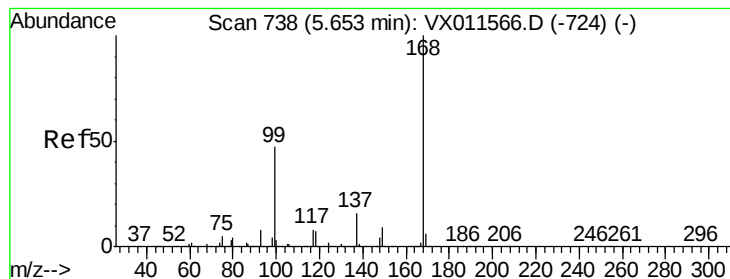
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
Data File : VX011715.D
Acq On : 21 Aug 2019 03:57
Operator : JC/SP
Sample : K4387-40
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T4-B2-(0)

Quant Time: Aug 21 05:31:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

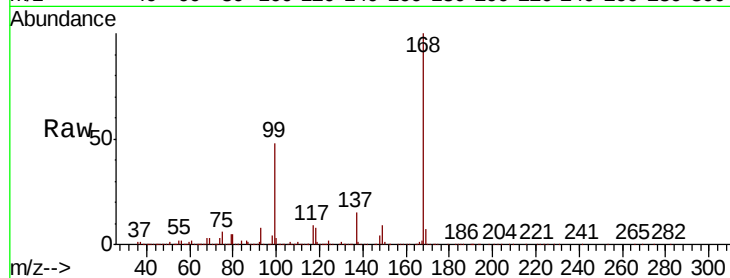
T4-B2-(0)

Tgt Ion:168 Resp: 360400

Ion Ratio Lower Upper

168 100

99 48.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

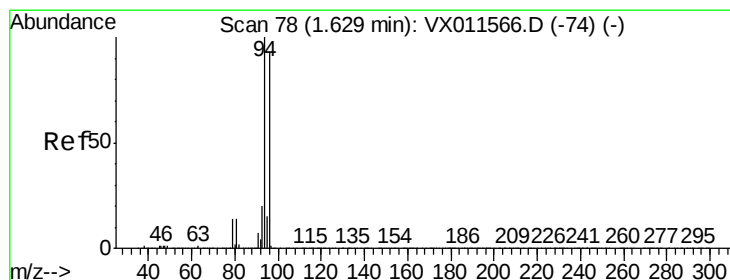
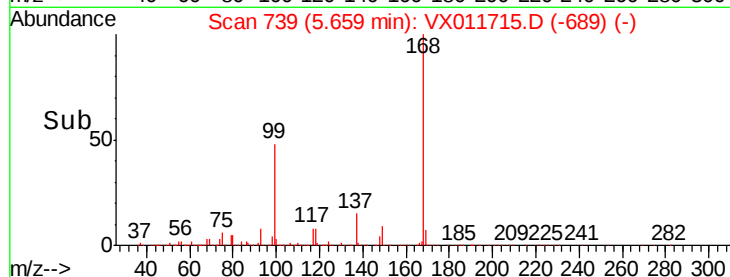
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.293 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX011715.D

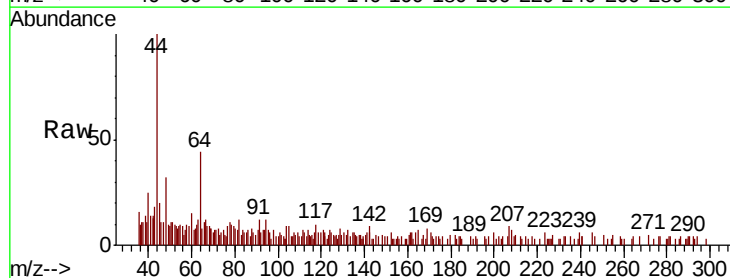
Acq: 21 Aug 2019 03:57

Tgt Ion: 94 Resp: 437

Ion Ratio Lower Upper

94 100

96 5.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

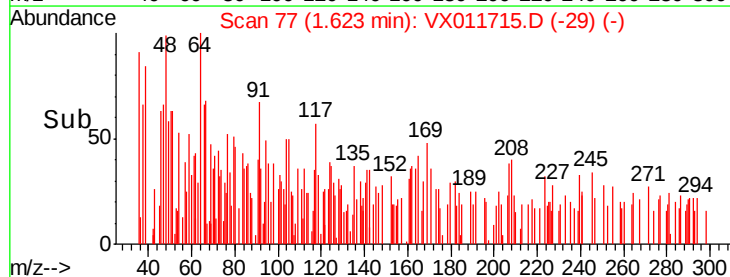
200

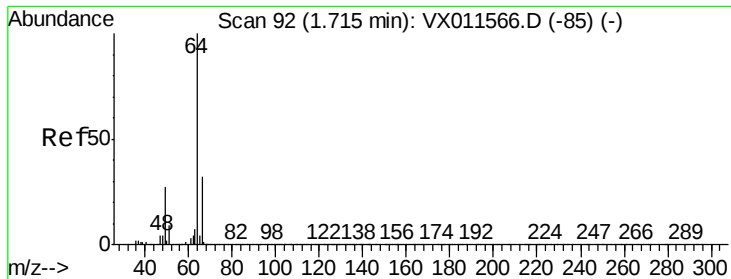
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 0.242 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

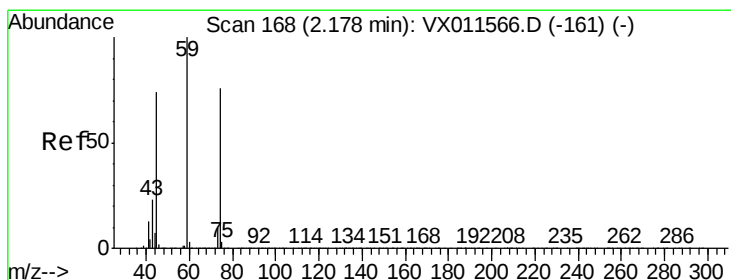
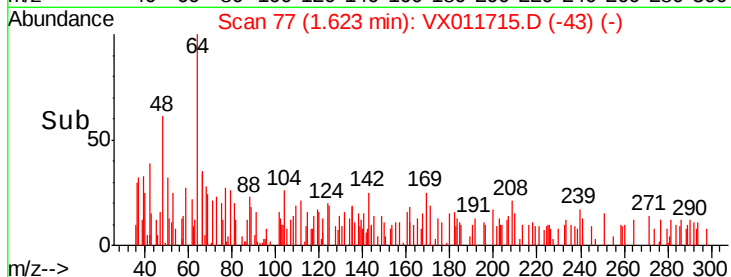
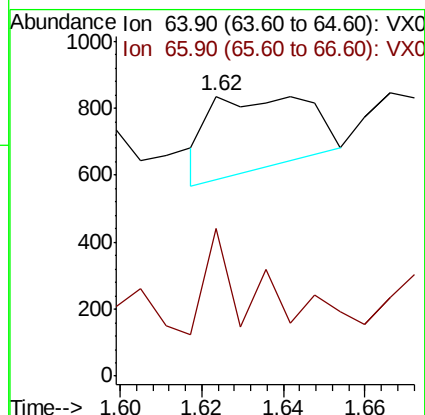
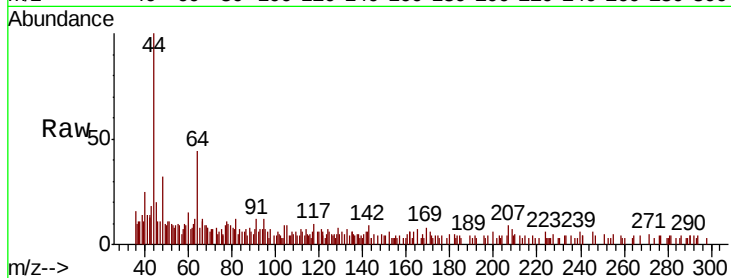
T4-B2-(0)

Tgt Ion: 64 Resp: 380

Ion Ratio Lower Upper

64 100

66 203.9 25.3 37.9#



#8

Diethyl Ether

Concen: 0.284 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011715.D

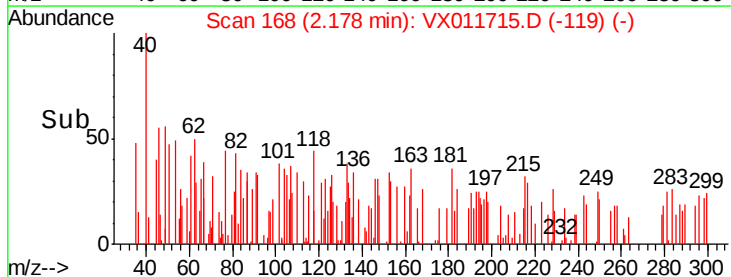
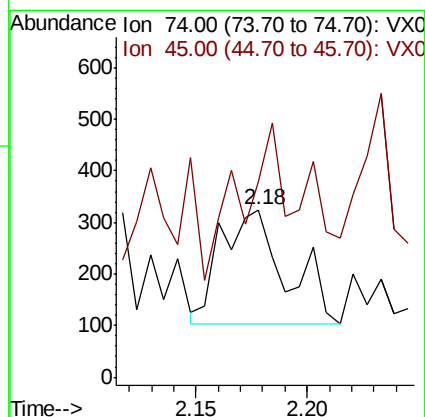
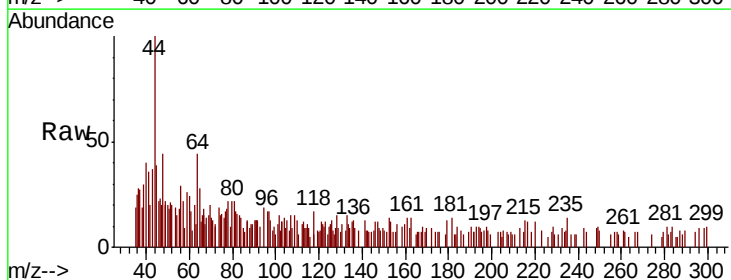
Acq: 21 Aug 2019 03:57

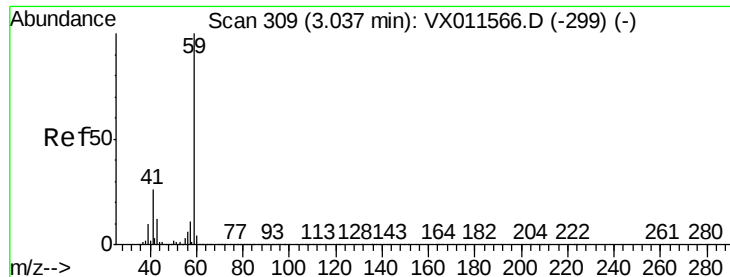
Tgt Ion: 74 Resp: 449

Ion Ratio Lower Upper

74 100

45 97.3 48.2 144.6

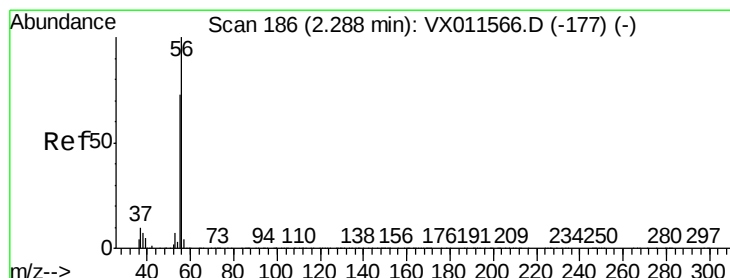
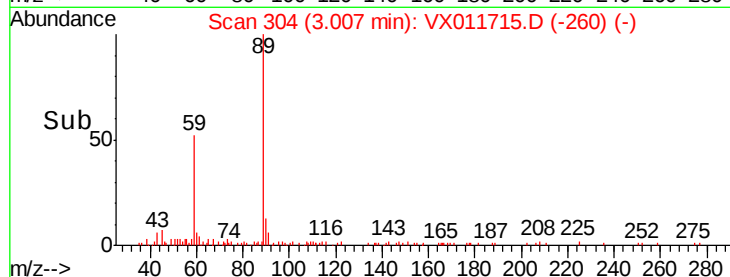
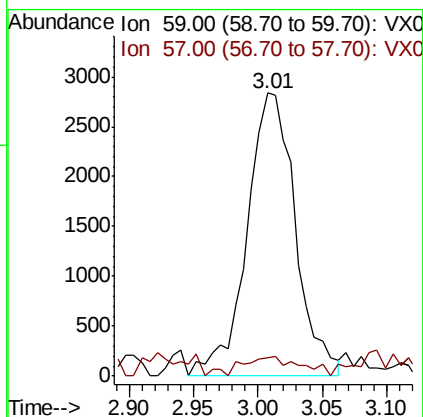
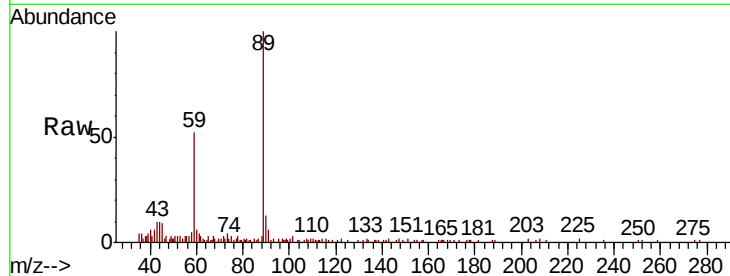




#11
Tert butyl alcohol
Concen: 9.027 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

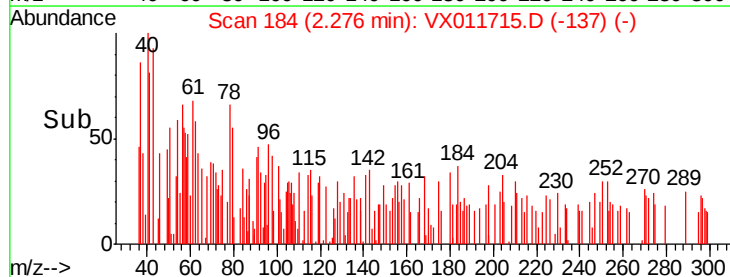
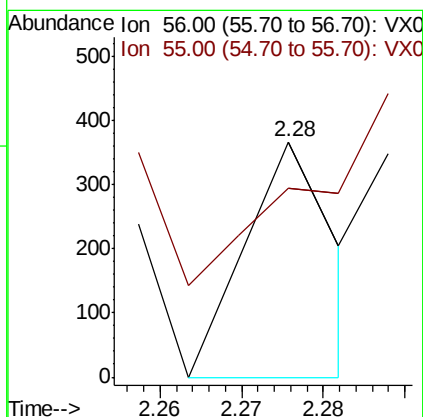
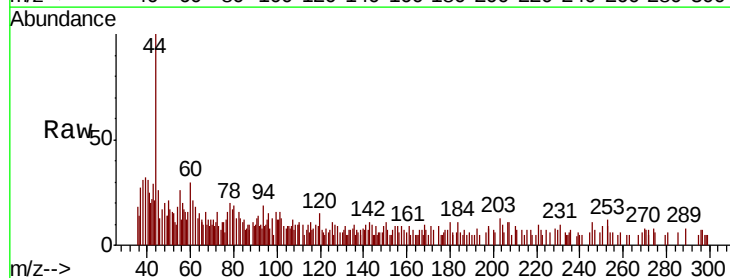
Instrument :
MSVOA_X
ClientSampled :
T4-B2-(0)

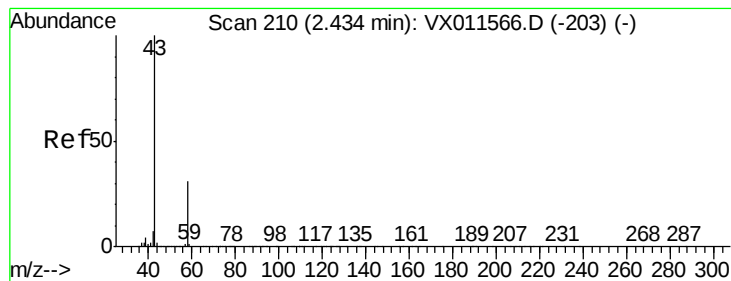
Tgt Ion: 59 Resp: 7402
Ion Ratio Lower Upper
59 100
57 8.5 8.7 13.1#



#13
Acrolein
Concen: 13.221 ug/l
RT: 2.28 min Scan# 184
Delta R.T. -0.01 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
55 332.7 55.5 83.3#





#16

Acetone

Concen: 4.387 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampled :

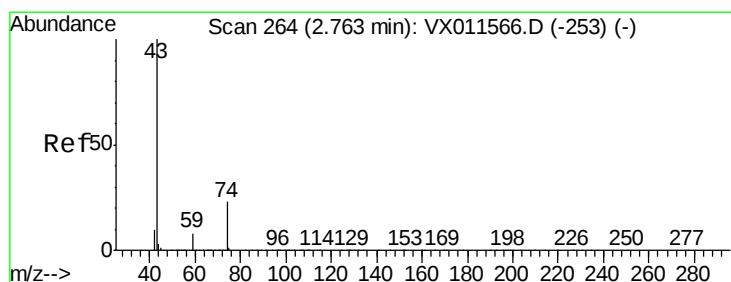
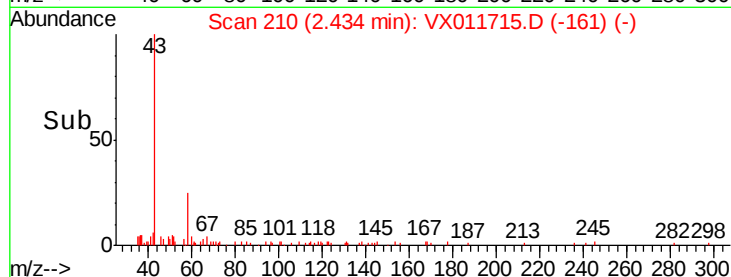
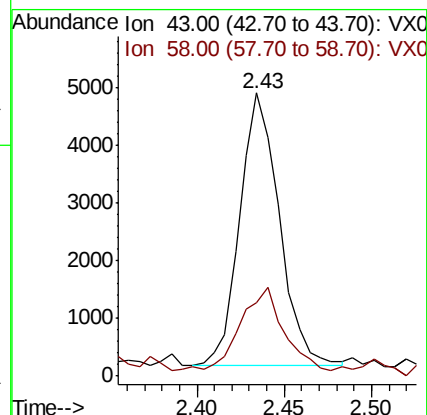
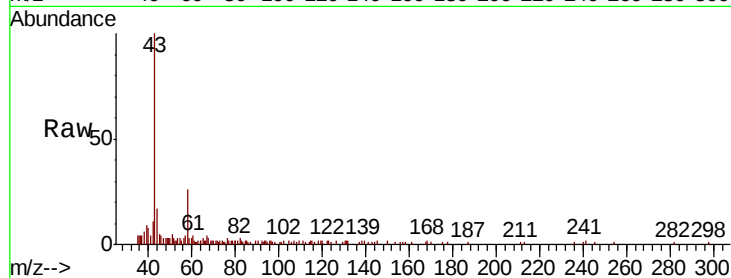
T4-B2-(0)

Tgt Ion: 43 Resp: 7373

Ion Ratio Lower Upper

43 100

58 23.5 25.2 37.8#



#18

Methyl Acetate

Concen: 0.716 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011715.D

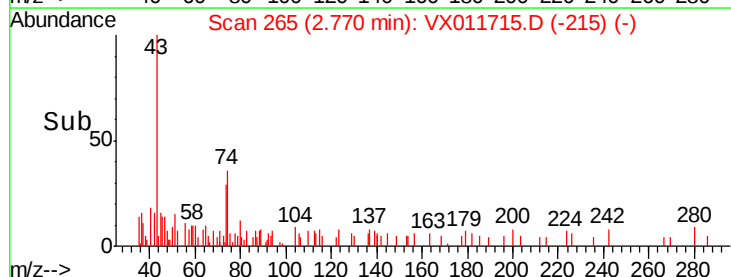
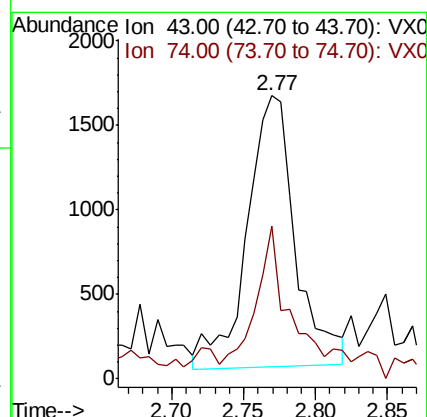
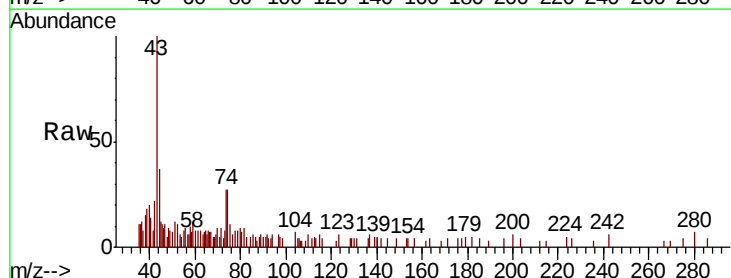
Acq: 21 Aug 2019 03:57

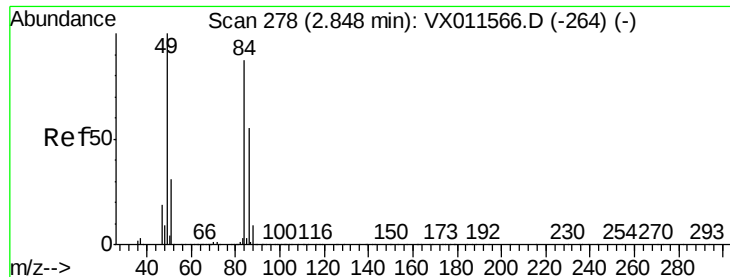
Tgt Ion: 43 Resp: 3730

Ion Ratio Lower Upper

43 100

74 39.0 19.7 29.5#

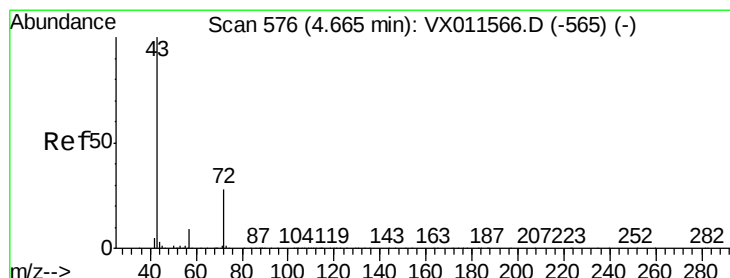
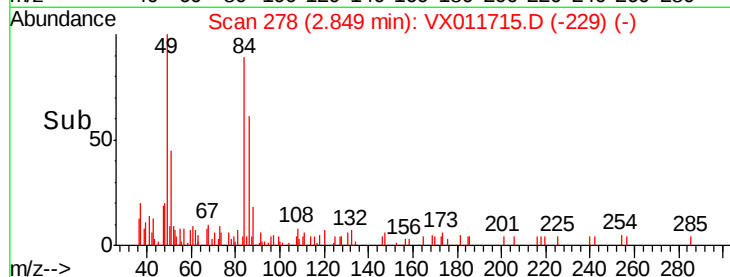
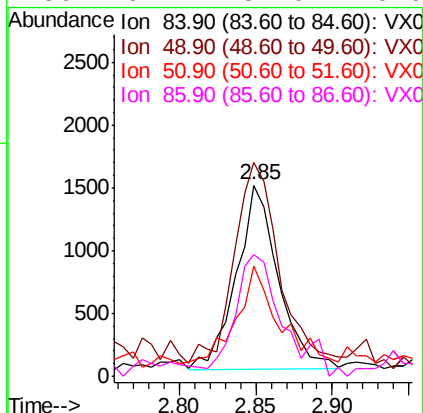
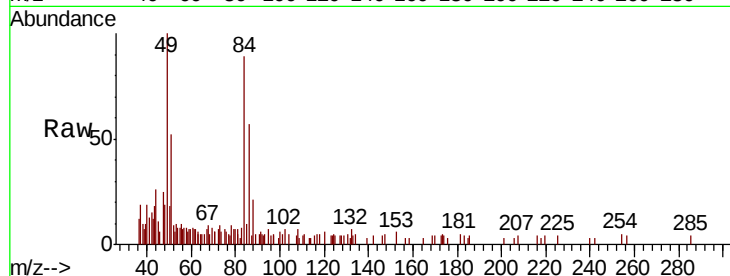




#20
Methylene Chloride
Concen: 0.794 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

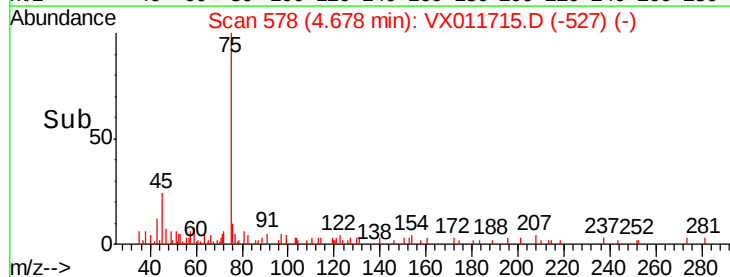
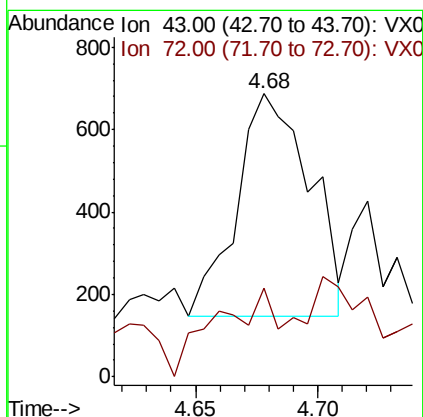
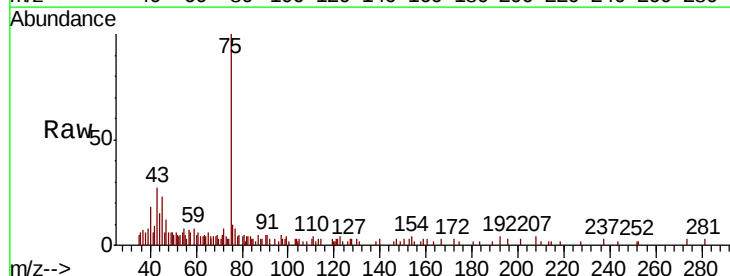
Instrument :
MSVOA_X
ClientSampleId :
T4-B2-(0)

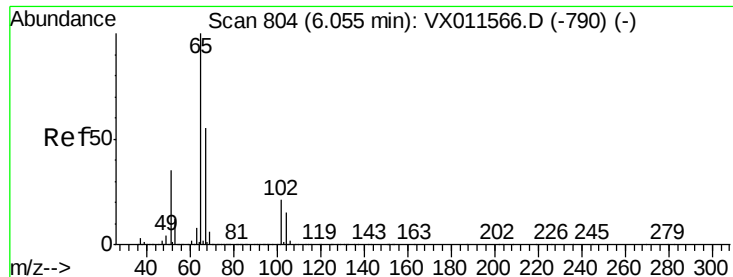
Tgt Ion:	84	Resp:	2800
Ion	Ratio	Lower	Upper
84	100		
49	109.7	92.4	138.6
51	52.6	28.5	42.7#
86	61.2	51.0	76.6



#25
2-Butanone
Concen: 0.425 ug/l
RT: 4.68 min Scan# 578
Delta R.T. 0.01 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

Tgt Ion:	43	Resp:	1120
Ion	Ratio	Lower	Upper
43	100		
72	20.2	22.2	33.4#

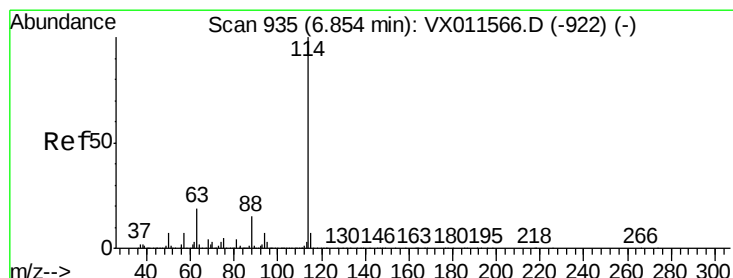
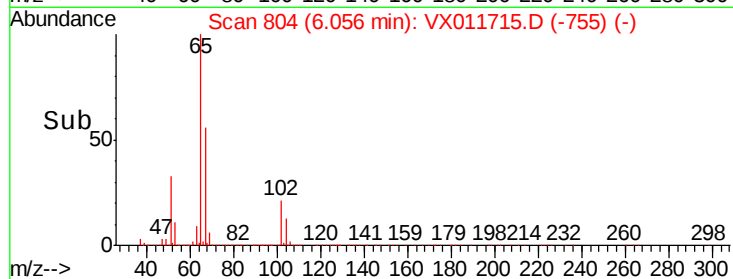
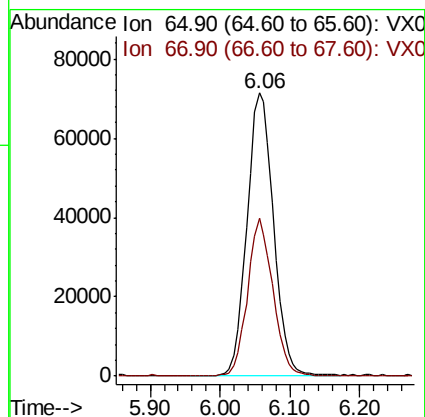
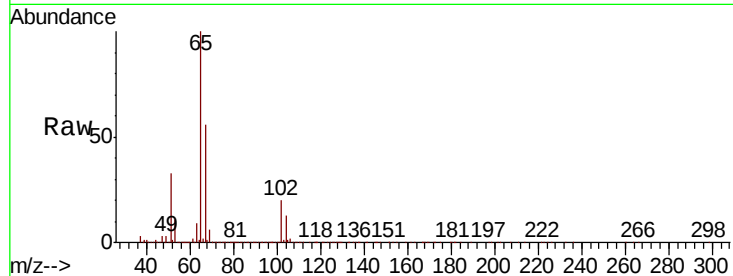




#33
 1,2-Dichloroethane-d4
 Concen: 56.445 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011715.D
 Acq: 21 Aug 2019 03:57

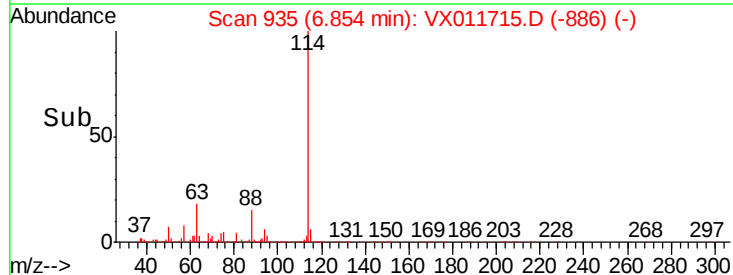
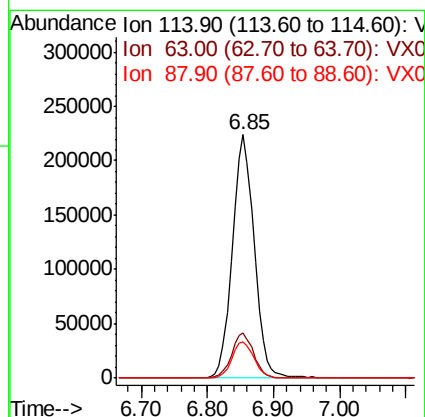
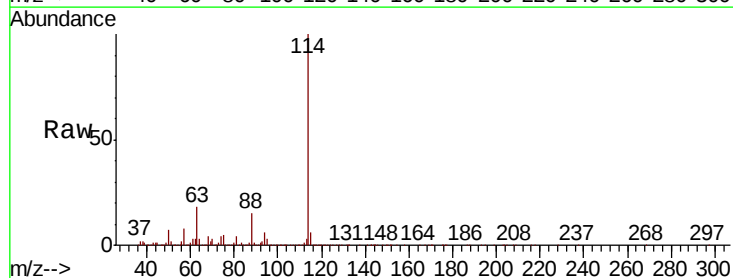
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B2-(0)

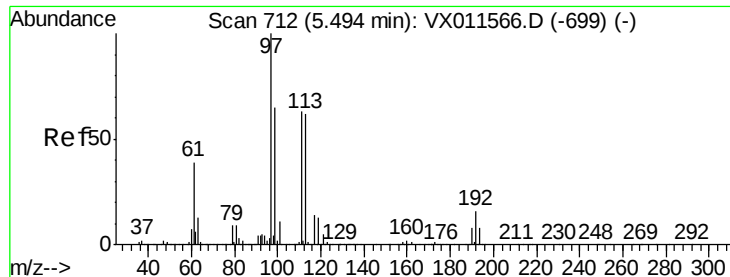
Tgt Ion: 65 Resp: 188653
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011715.D
 Acq: 21 Aug 2019 03:57

Tgt Ion: 114 Resp: 511202
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.8
 88 15.0 0.0 30.2

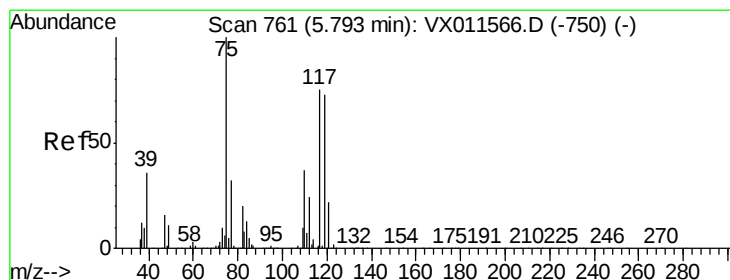
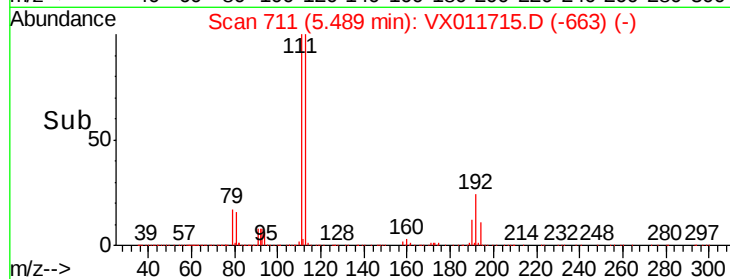
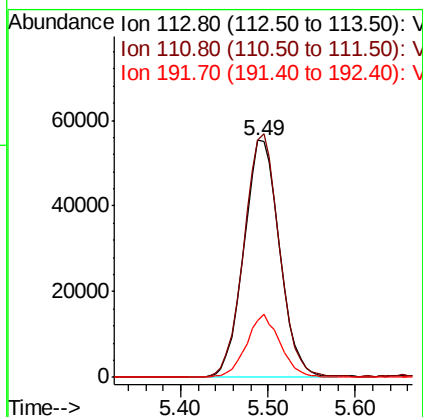
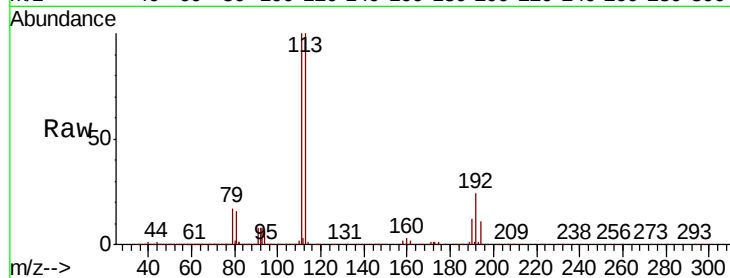




#35
 Dibromofluoromethane
 Concen: 47.119 ug/l
 RT: 5.49 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VX011715.D
 Acq: 21 Aug 2019 03:57

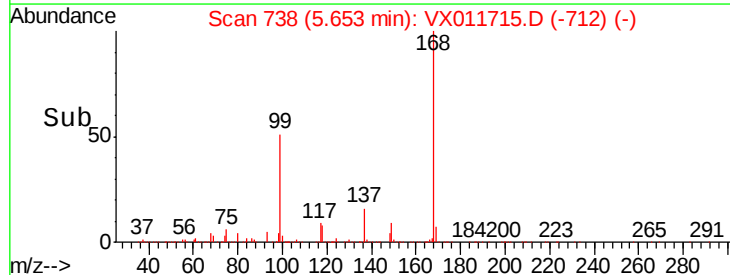
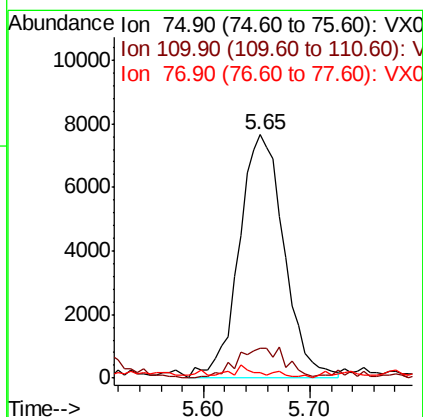
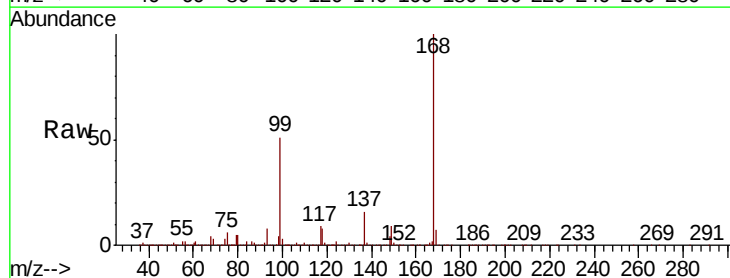
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B2-(0)

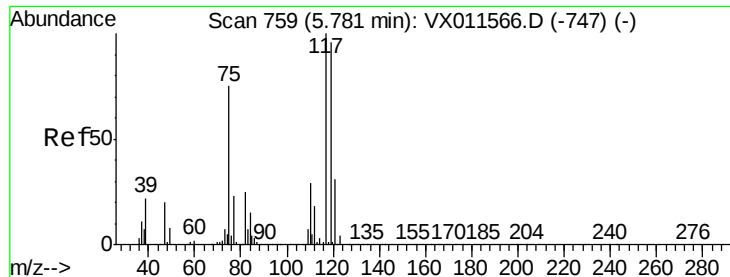
Tgt Ion:113 Resp: 157546
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 24.9 20.8 31.2



#36
 1,1-Dichloropropene
 Concen: 5.193 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011715.D
 Acq: 21 Aug 2019 03:57

Tgt Ion: 75 Resp: 22699
 Ion Ratio Lower Upper
 75 100
 110 13.6 19.4 58.1#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.661 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampled :

T4-B2-(0)

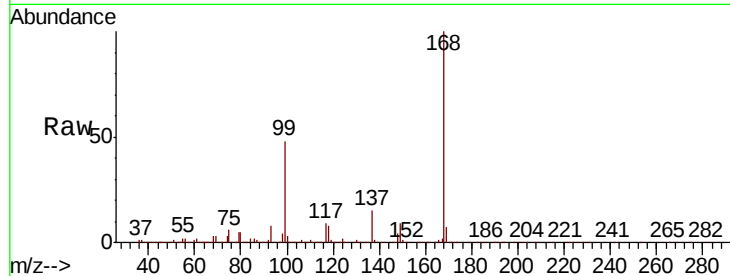
Tgt Ion:117 Resp: 32073

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

121 0.0 24.8 37.2#

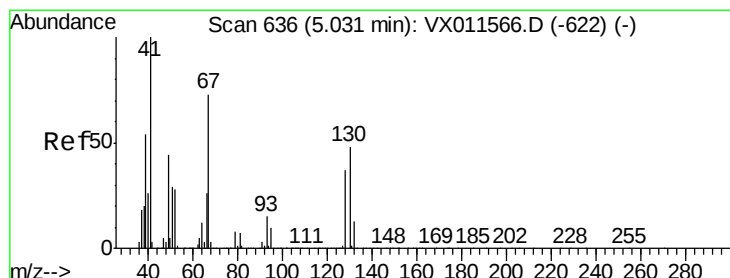
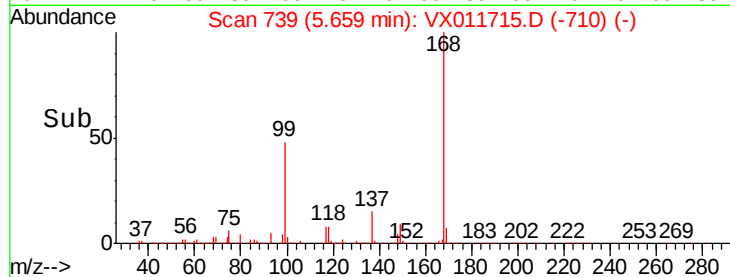
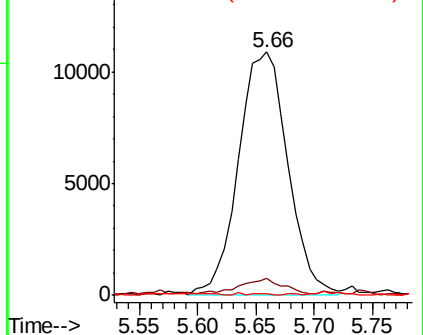


Abundance

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



#41

Methacrylonitrile

Concen: 0.216 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.02 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Tgt Ion: 41 Resp: 598

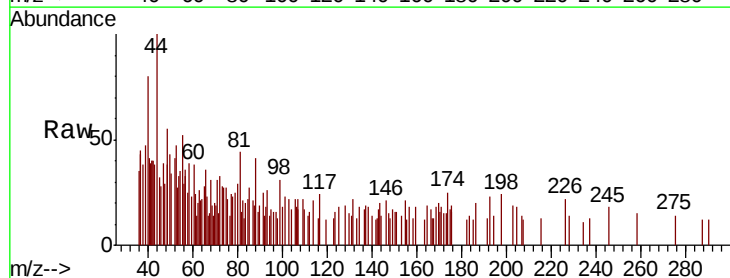
Ion Ratio Lower Upper

41 100

39 100.3 43.5 65.3#

67 95.0 59.4 89.2#

52 81.6 23.4 35.2#



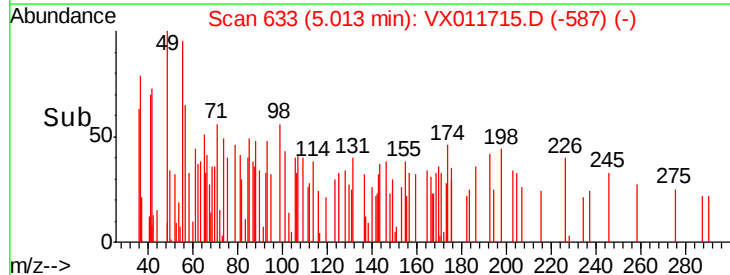
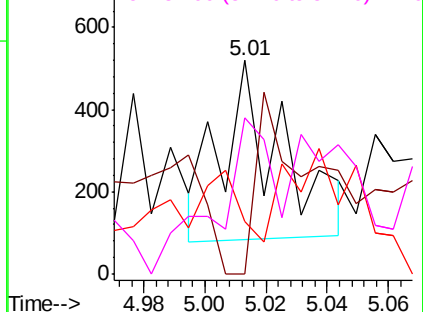
Abundance

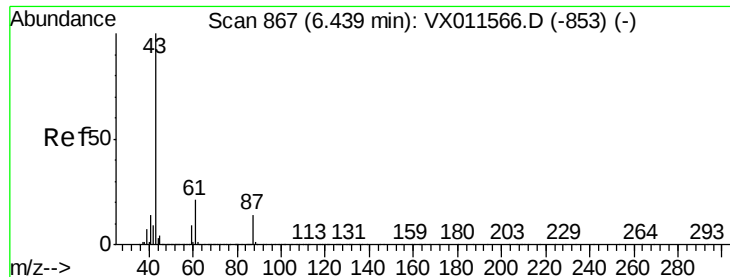
Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#43

Isopropyl Acetate

Concen: 7.117 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.01 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampled :

T4-B2-(0)

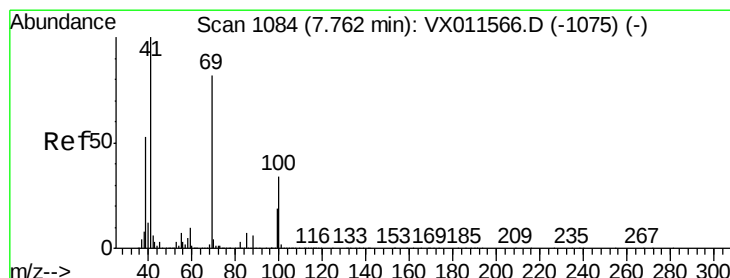
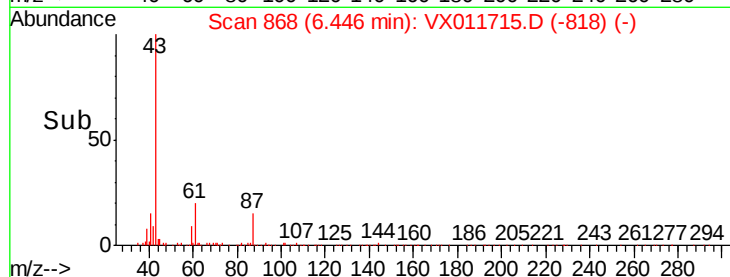
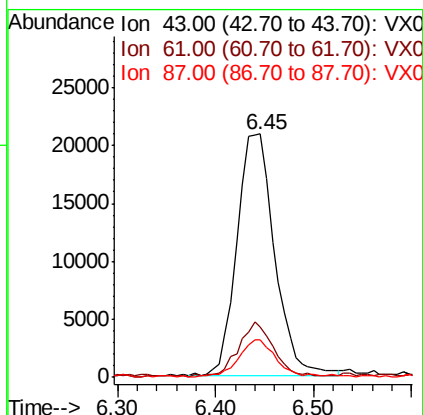
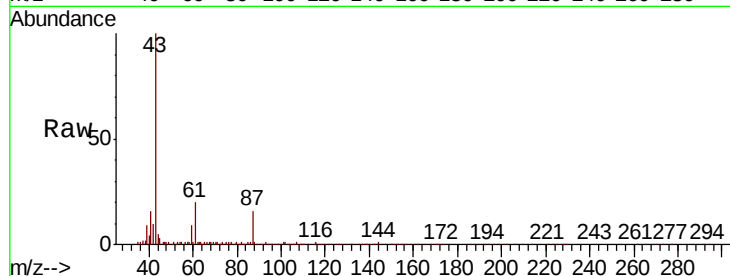
Tgt Ion: 43 Resp: 55838

Ion Ratio Lower Upper

43 100

61 20.8 16.6 24.8

87 15.6 11.4 17.2



#48

Methyl methacrylate

Concen: 0.962 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

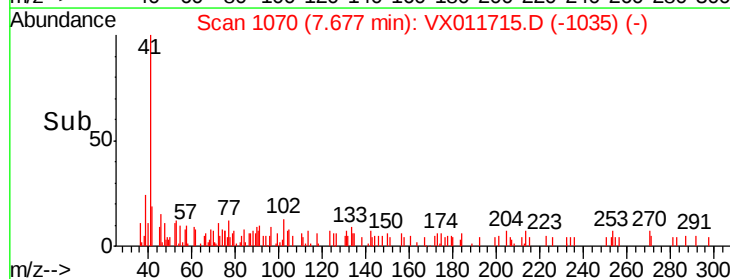
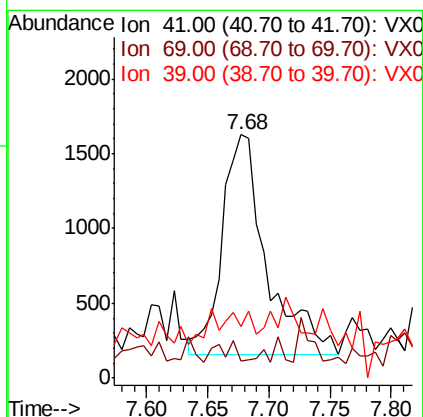
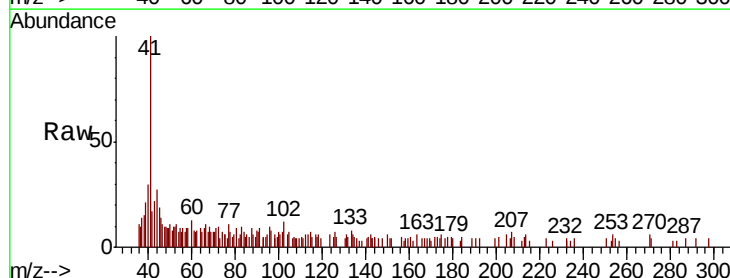
Tgt Ion: 41 Resp: 3736

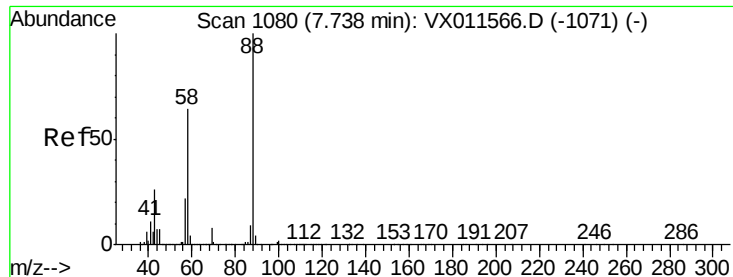
Ion Ratio Lower Upper

41 100

69 5.4 67.9 101.9#

39 0.0 41.6 62.4#

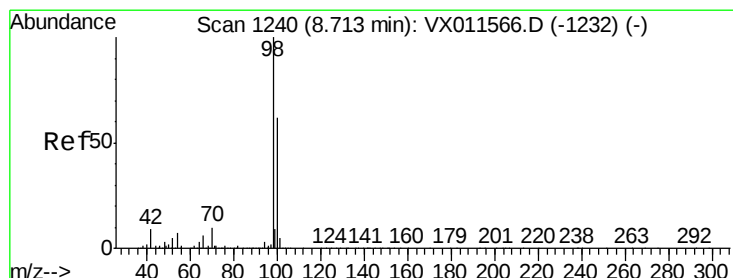
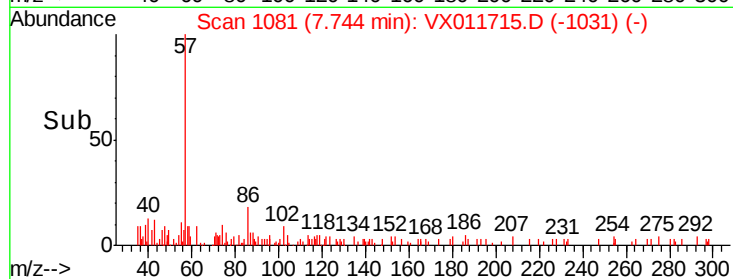
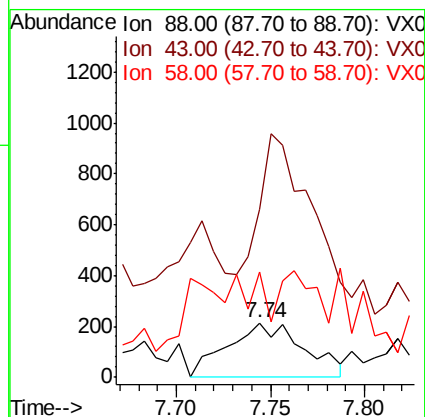
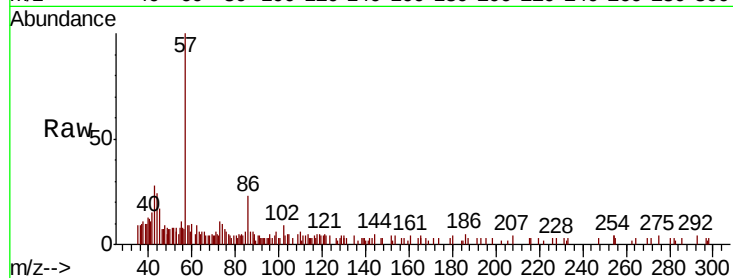




#49
1,4-Dioxane
Concen: 5.797 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

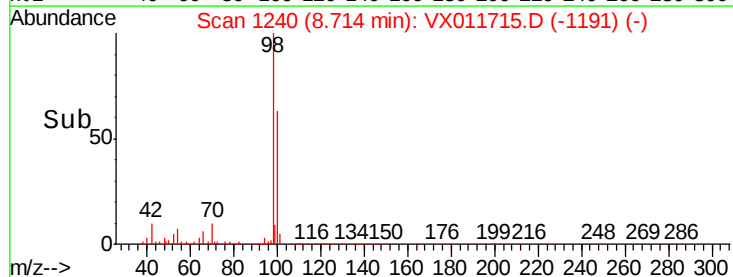
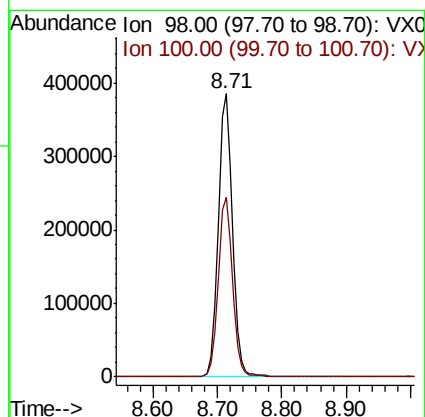
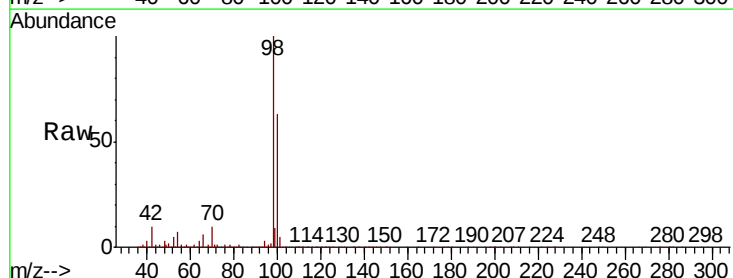
Instrument :
MSVOA_X
ClientSampled :
T4-B2-(0)

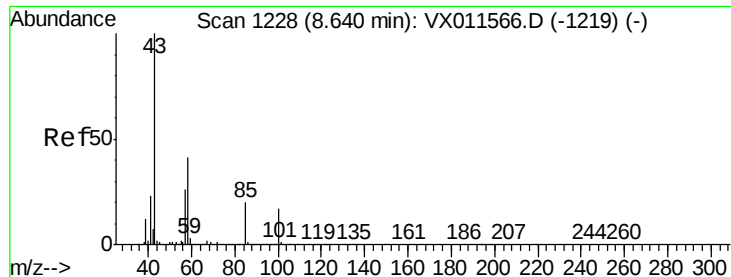
Tgt Ion: 88 Resp: 599
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 45.4 54.3 81.5#



#50
Toluene-d8
Concen: 57.670 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

Tgt Ion: 98 Resp: 600819
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6

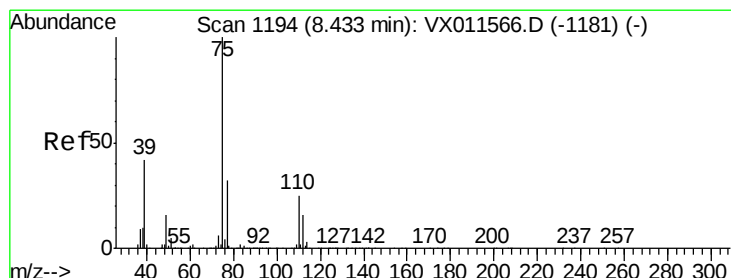
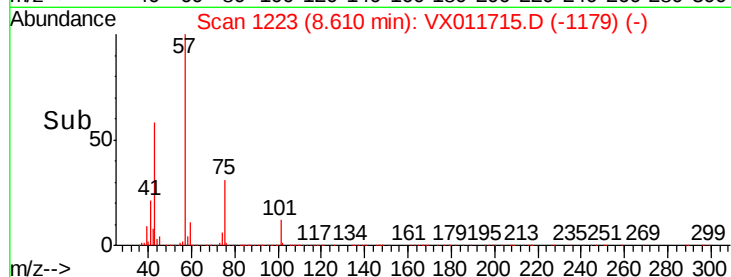
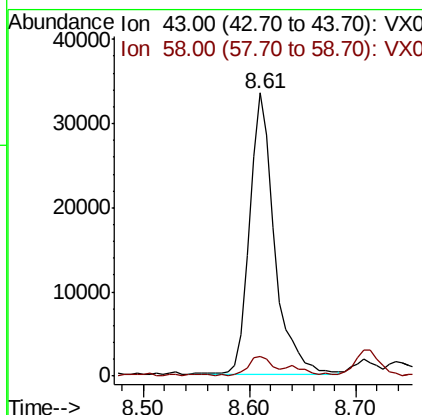
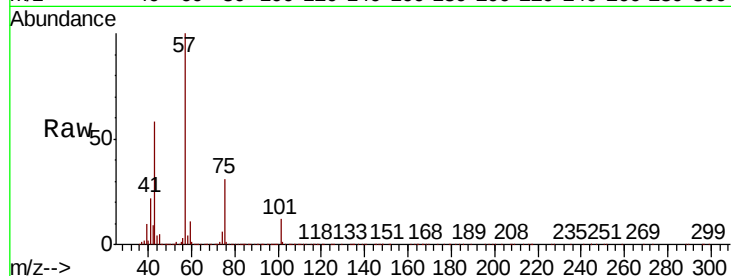




#51
 4-Methyl-2-Pentanone
 Concen: 10.627 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. -0.03 min
 Lab File: VX011715.D
 Acq: 21 Aug 2019 03:57

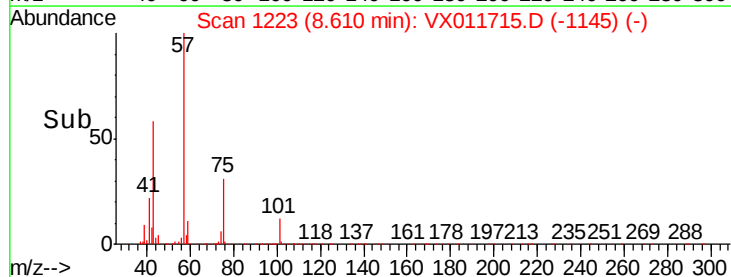
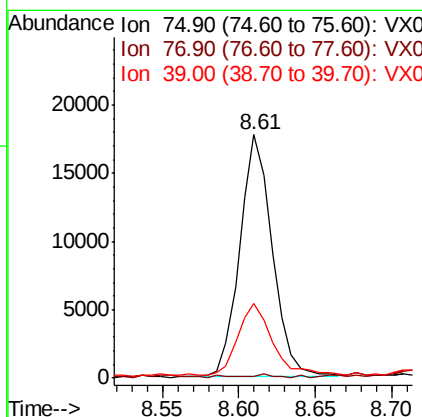
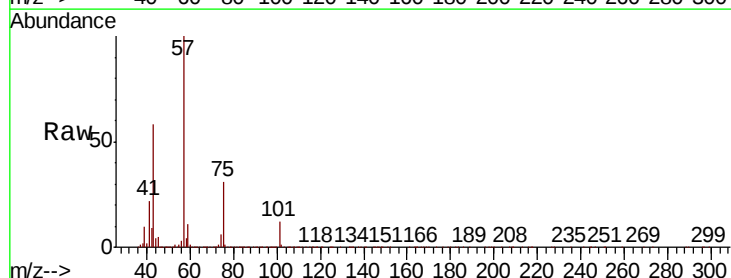
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-B2-(0)

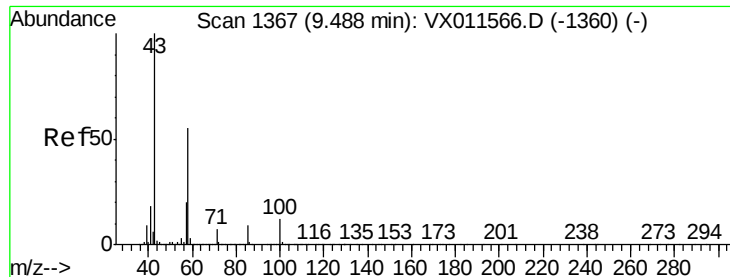
Tgt Ion: 43 Resp: 54569
 Ion Ratio Lower Upper
 43 100
 58 6.2 31.8 47.6#



#54
 cis-1,3-Dichloropropene
 Concen: 5.097 ug/l
 RT: 8.61 min Scan# 1223
 Delta R.T. 0.18 min
 Lab File: VX011715.D
 Acq: 21 Aug 2019 03:57

Tgt Ion: 75 Resp: 26165
 Ion Ratio Lower Upper
 75 100
 77 0.3 25.5 38.3#
 39 29.3 33.6 50.4#

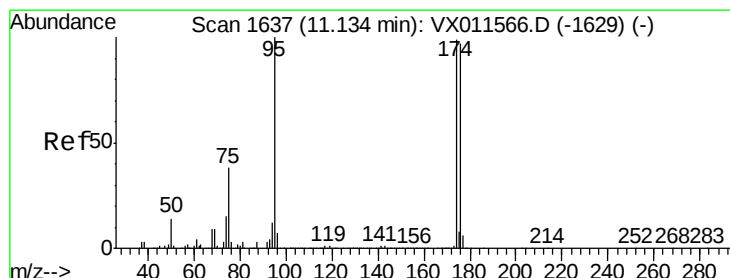
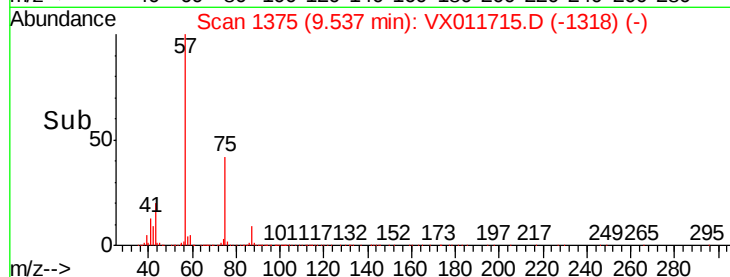
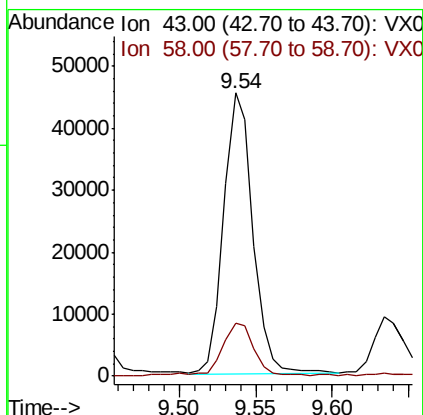
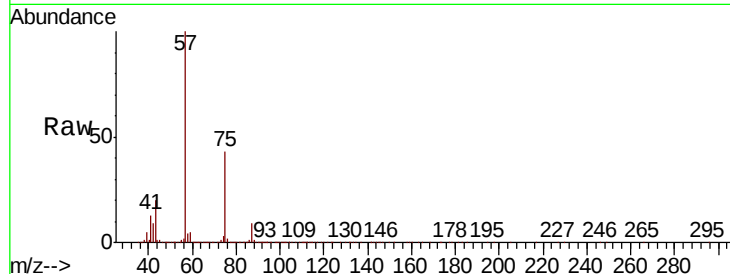




#59
2-Hexanone
Concen: 15.226 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

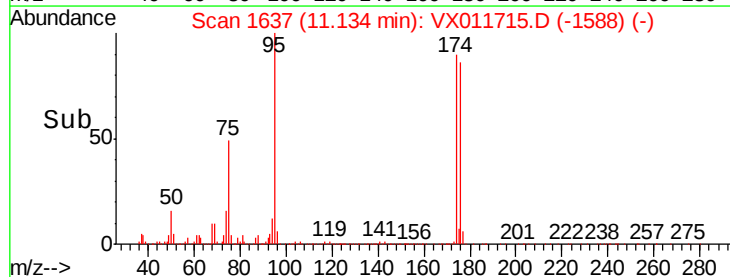
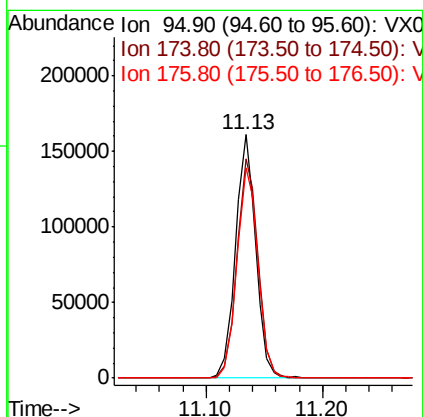
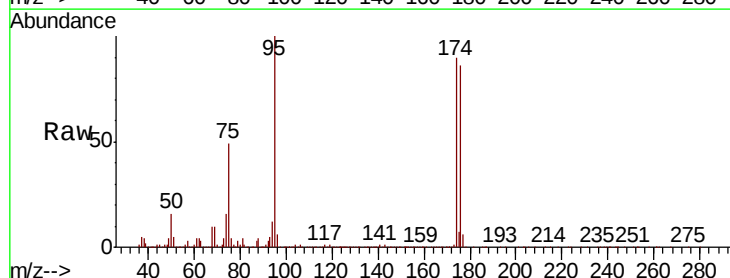
Instrument :
MSVOA_X
ClientSampled :
T4-B2-(0)

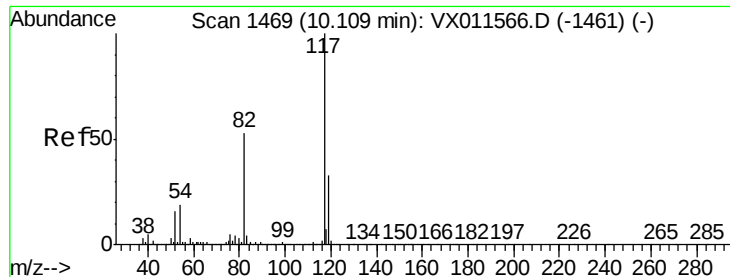
Tgt Ion: 43 Resp: 60296
Ion Ratio Lower Upper
43 100
58 20.3 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 44.353 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

Tgt Ion: 95 Resp: 195034
Ion Ratio Lower Upper
95 100
174 93.8 0.0 200.6
176 89.8 0.0 196.6

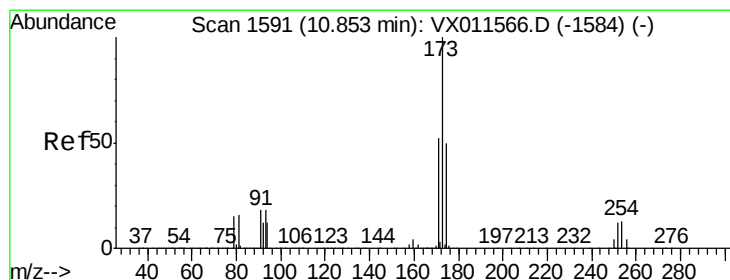
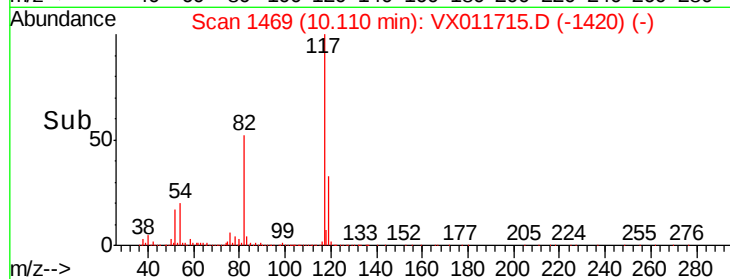
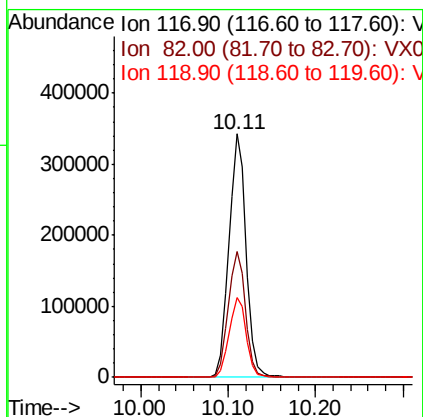
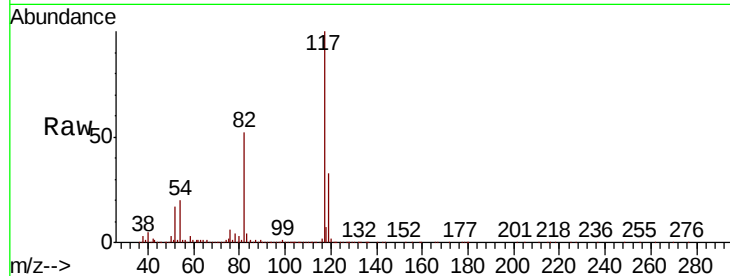




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

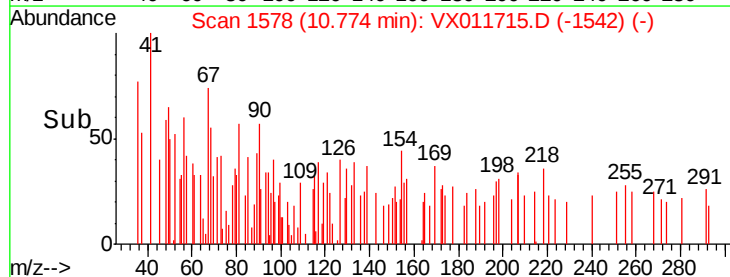
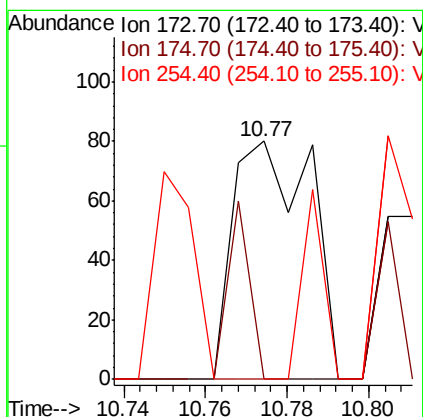
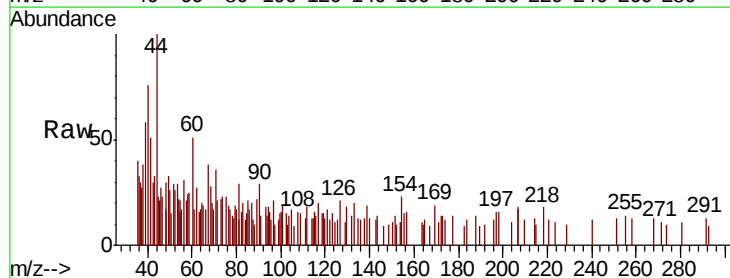
Instrument :
MSVOA_X
ClientSampled :
T4-B2-(0)

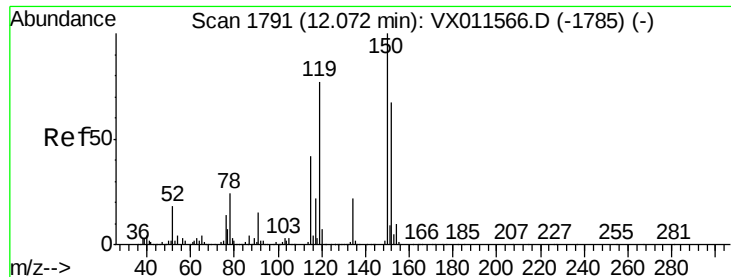
Tgt Ion:117 Resp: 465352
Ion Ratio Lower Upper
117 100
82 51.6 42.0 63.0
119 32.6 26.5 39.7



#71
Bromoform
Concen: 3.319 ug/l
RT: 10.77 min Scan# 1578
Delta R.T. -0.08 min
Lab File: VX011715.D
Acq: 21 Aug 2019 03:57

Tgt Ion:173 Resp: 105
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 21.9 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: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

T4-B2-(0)

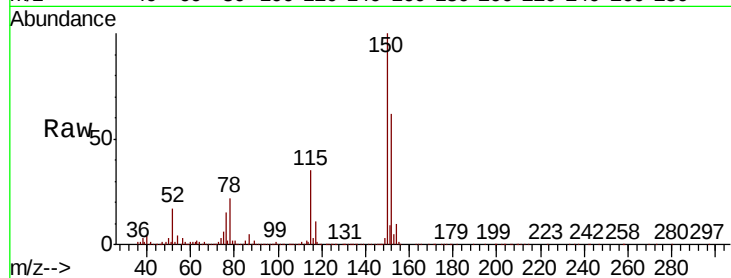
Tgt Ion:152 Resp: 219037

Ion Ratio Lower Upper

152 100

115 53.8 37.3 111.9

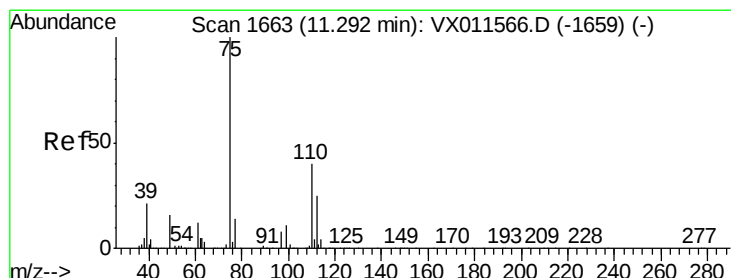
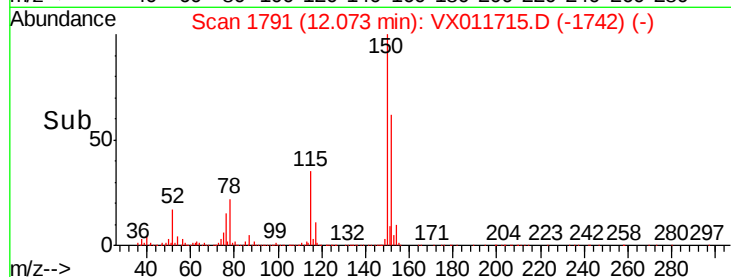
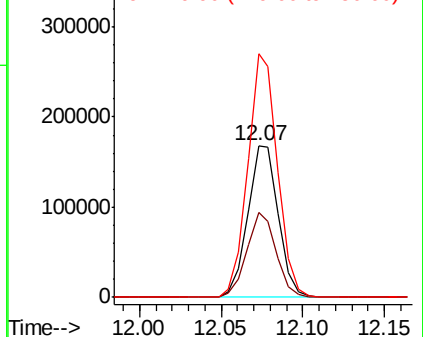
150 156.2 0.0 346.2



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: 22.713 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011715.D

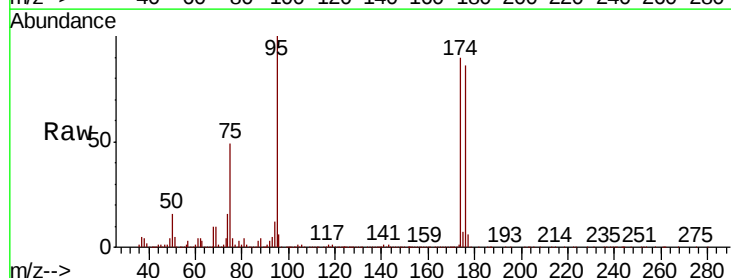
Acq: 21 Aug 2019 03:57

Tgt Ion: 75 Resp: 94338

Ion Ratio Lower Upper

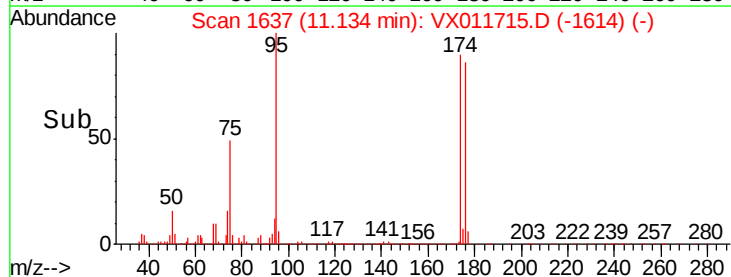
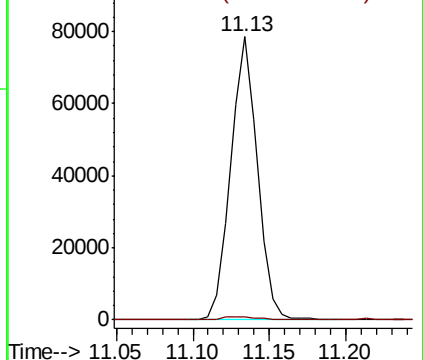
75 100

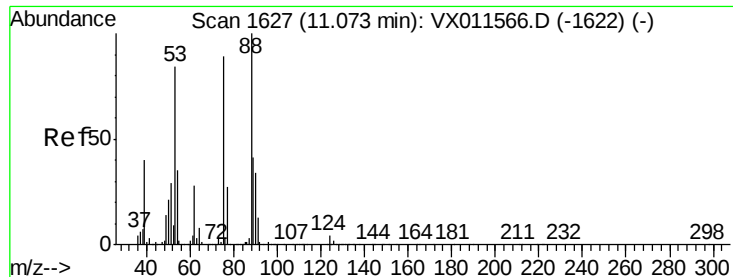
77 1.4 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.494 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011715.D

Acq: 21 Aug 2019 03:57

Instrument :

MSVOA_X

ClientSampleId :

T4-B2-(0)

Tgt Ion: 75 Resp: 94338

Ion Ratio Lower Upper

75 100

53 0.4 77.4 116.0#

89 0.0 37.3 55.9#

