

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011710.D
 Acq On : 21 Aug 2019 01:59
 Operator : JC/SP
 Sample : K4387-34
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T4-A1-(2)

Quant Time: Aug 21 05:30:36 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	339153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	522226	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	457527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	222647	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	185175	58.88	ug/l	0.00
Spiked Amount						
			Recovery	=	117.76%	
35) Dibromofluoromethane	5.49	113	150984	44.20	ug/l	0.00
Spiked Amount						
			Recovery	=	88.40%	
50) Toluene-d8	8.71	98	617447	58.02	ug/l	0.00
Spiked Amount						
			Recovery	=	116.04%	
62) 4-Bromofluorobenzene	11.13	95	215759	48.03	ug/l	0.00
Spiked Amount						
			Recovery	=	96.06%	

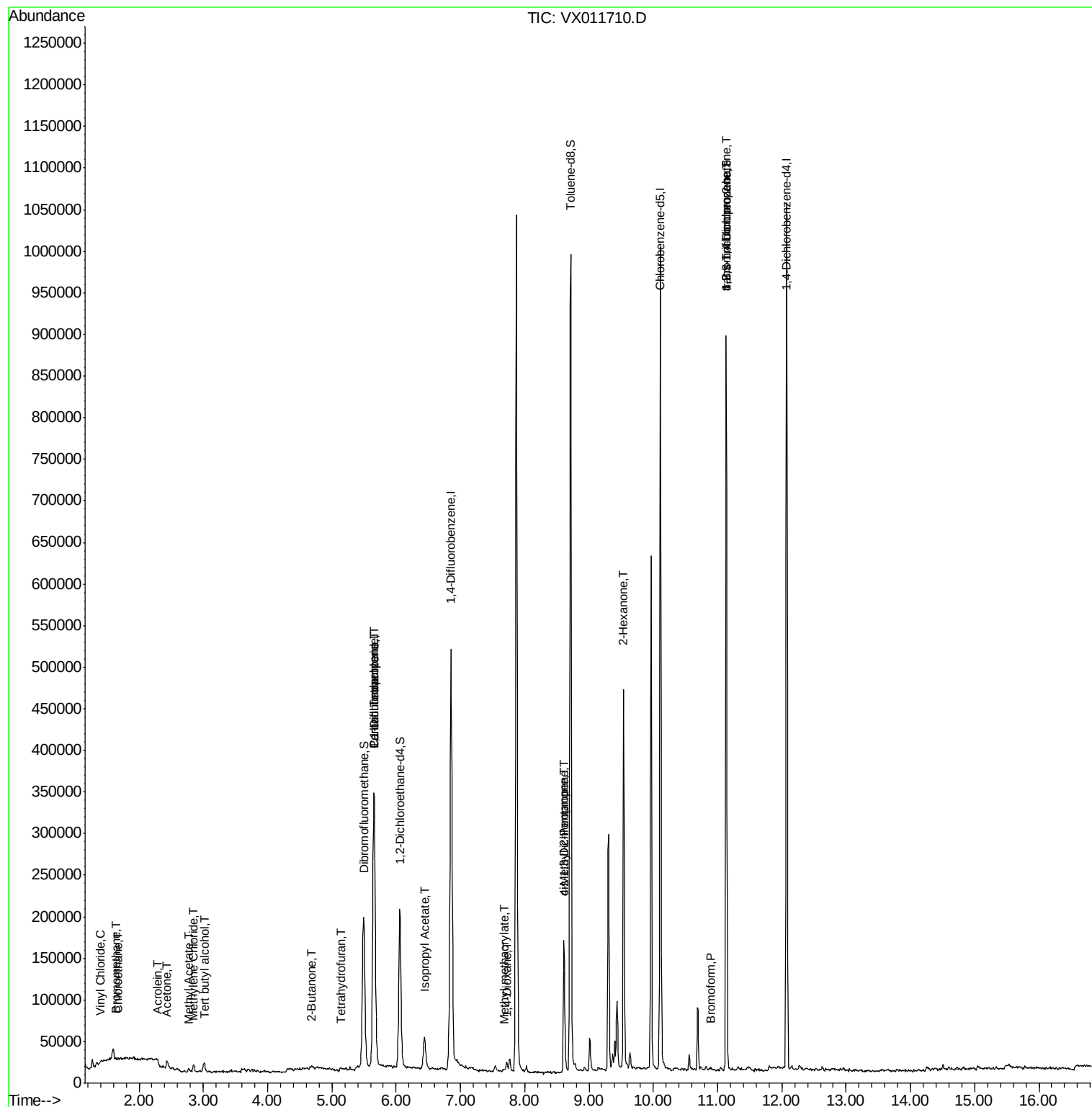
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	664	0.212	ug/l #	44
5) Bromomethane	1.64	94	340	0.243	ug/l #	17
6) Chloroethane	1.67	64	454	0.307	ug/l #	43
11) Tert butyl alcohol	3.01	59	7108	9.212	ug/l #	84
13) Acrolein	2.29	56	170	12.865	ug/l #	15
16) Acetone	2.44	43	9883	6.249	ug/l #	83
18) Methyl Acetate	2.77	43	3997	0.815	ug/l #	64
20) Methylene Chloride	2.85	84	4308	1.297	ug/l	87
25) 2-Butanone	4.69	43	1751	0.705	ug/l #	66
29) Tetrahydrofuran	5.13	42	870	0.534	ug/l #	62
36) 1,1-Dichloropropene	5.65	75	21298	4.770	ug/l #	52
38) Carbon Tetrachloride	5.65	117	31422	6.388	ug/l #	17
43) Isopropyl Acetate	6.44	43	53269	6.646	ug/l	98
48) Methyl methacrylate	7.68	41	4057	1.022	ug/l #	19
49) 1,4-Dioxane	7.72	88	186	1.762	ug/l #	1
51) 4-Methyl-2-Pentanone	8.61	43	54468	10.383	ug/l #	46
54) cis-1,3-Dichloropropene	8.61	75	25966	4.951	ug/l #	65
59) 2-Hexanone	9.54	43	55771	13.786	ug/l #	50
71) Bromoform	10.90	173	80	3.313	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	104228	24.687	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	104228	65.363	ug/l #	11

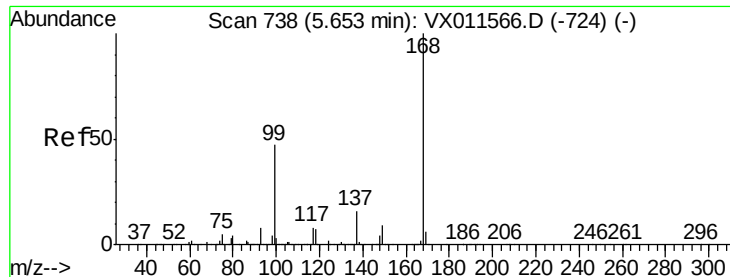
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
Data File : VX011710.D
Acq On : 21 Aug 2019 01:59
Operator : JC/SP
Sample : K4387-34
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T4-A1-(2)

Quant Time: Aug 21 05:30:36 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: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampled :

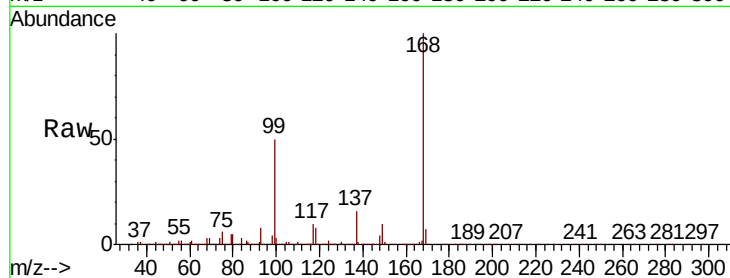
T4-A1-(2)

Tgt Ion:168 Resp: 339153

Ion Ratio Lower Upper

168 100

99 50.4 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

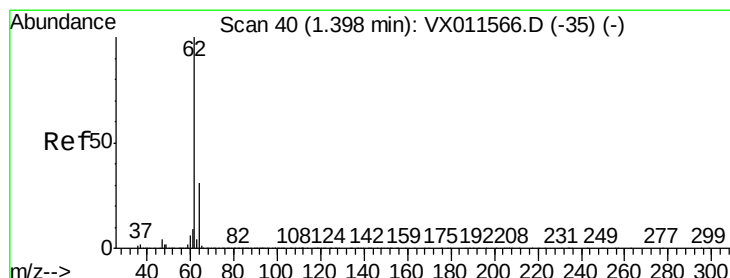
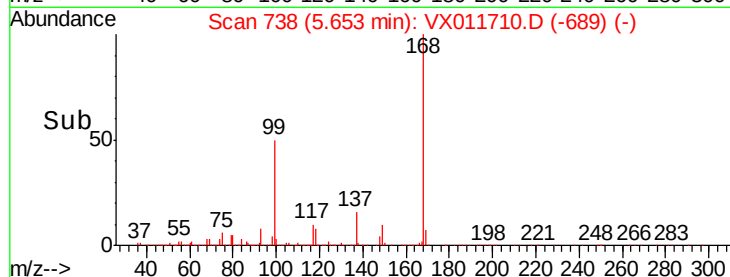
5.65

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.212 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011710.D

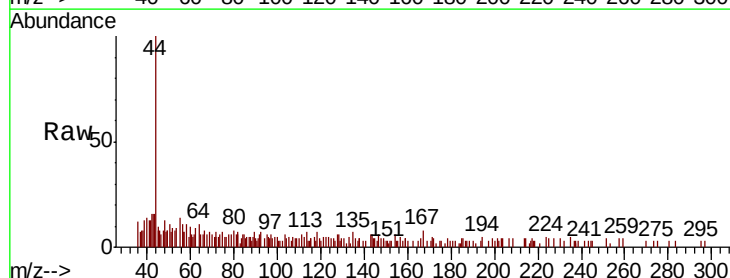
Acq: 21 Aug 2019 01:59

Tgt Ion: 62 Resp: 664

Ion Ratio Lower Upper

62 100

64 0.3 25.0 37.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

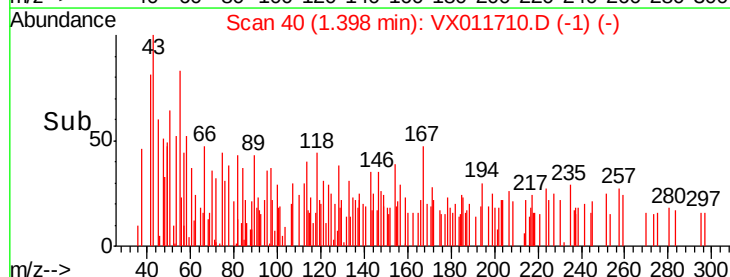
600

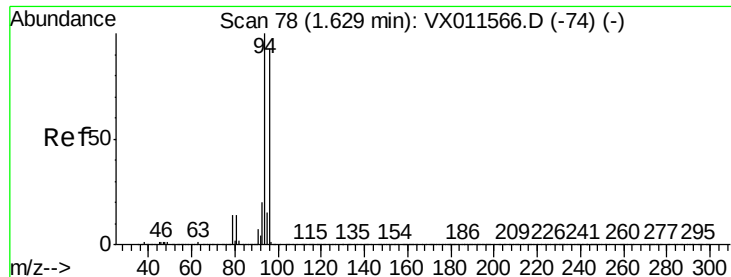
400

200

0

Time-->





#5

Bromomethane

Concen: 0.243 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.01 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampled :

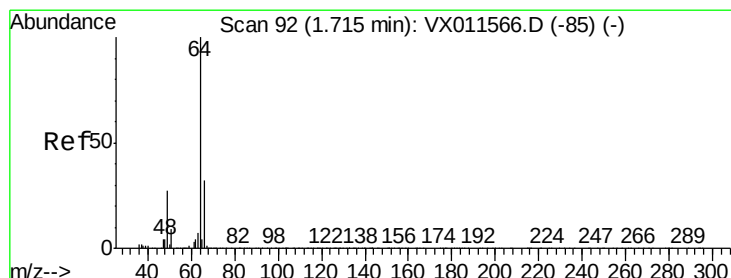
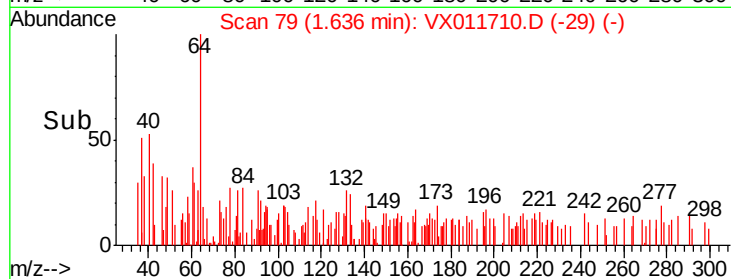
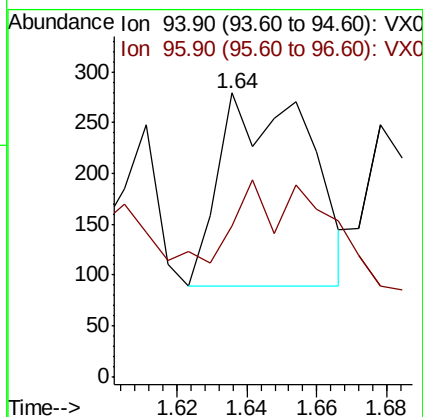
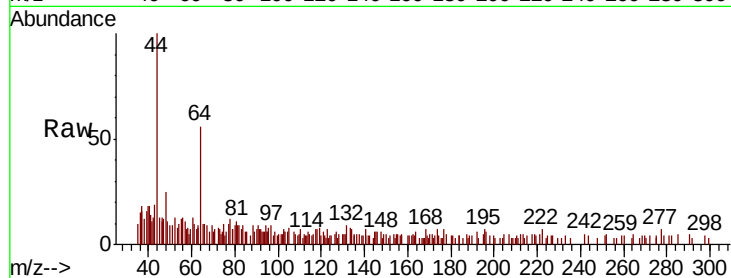
T4-A1-(2)

Tgt Ion: 94 Resp: 340

Ion Ratio Lower Upper

94 100

96 13.2 74.8 112.2#



#6

Chloroethane

Concen: 0.307 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX011710.D

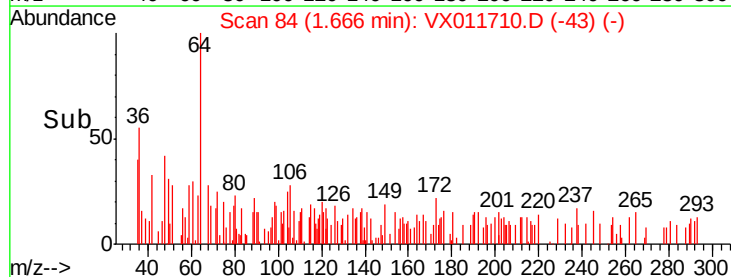
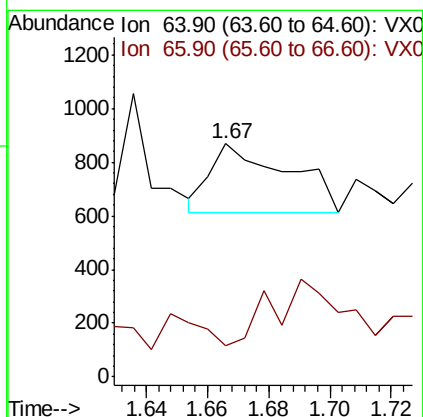
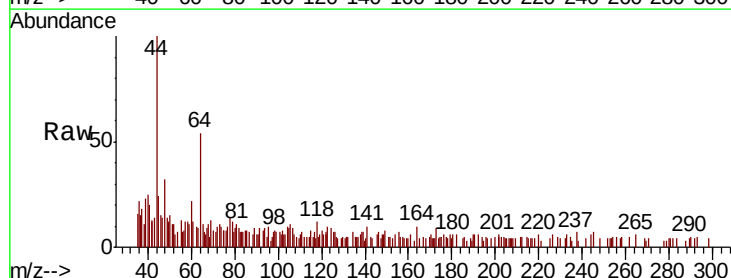
Acq: 21 Aug 2019 01:59

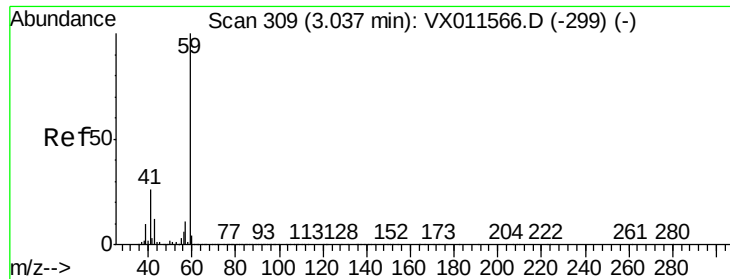
Tgt Ion: 64 Resp: 454

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

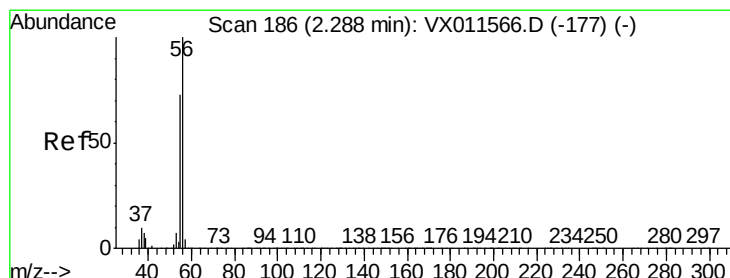
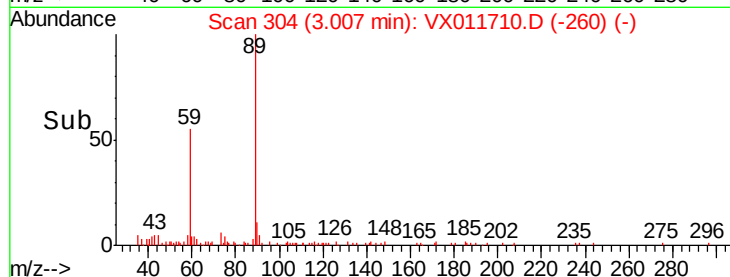
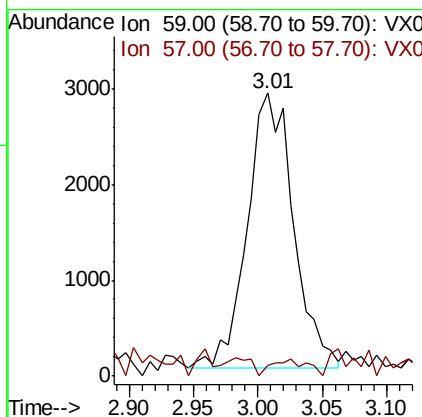
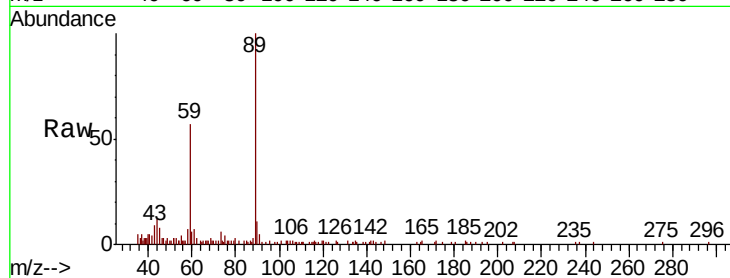




#11
Tert butyl alcohol
Concen: 9.212 ug/l
RT: 3.01 min Scan# 304
Delta R.T. -0.03 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

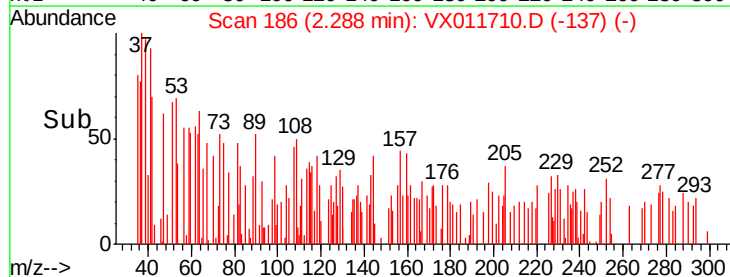
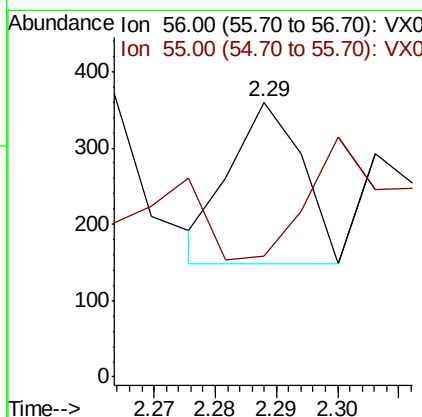
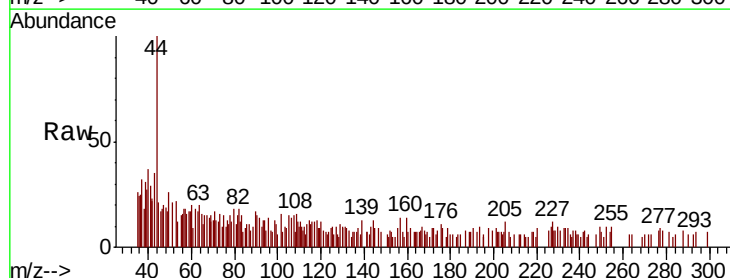
Instrument :
MSVOA_X
ClientSampleId :
T4-A1-(2)

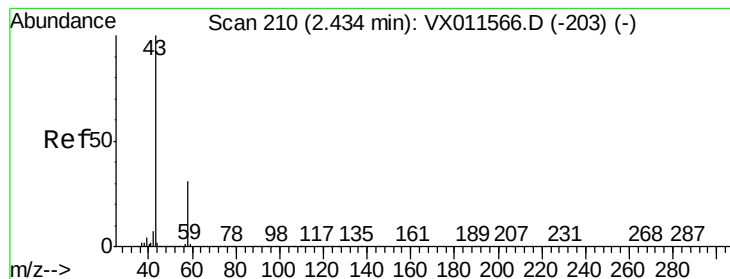
Tgt Ion: 59 Resp: 7108
Ion Ratio Lower Upper
59 100
57 4.7 8.7 13.1#



#13
Acrolein
Concen: 12.865 ug/l
RT: 2.29 min Scan# 186
Delta R.T. 0.00 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

Tgt Ion: 56 Resp: 170
Ion Ratio Lower Upper
56 100
55 0.0 55.5 83.3#





#16

Acetone

Concen: 6.249 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.01 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

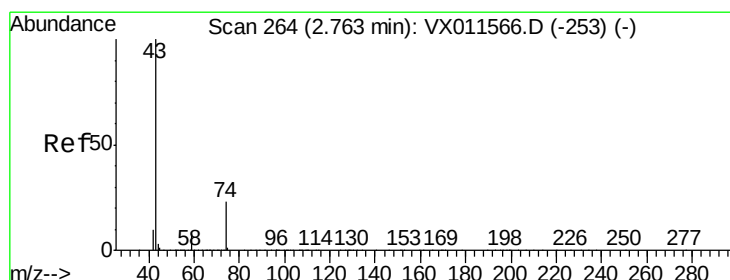
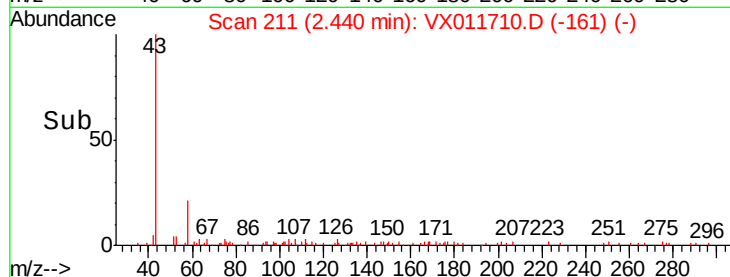
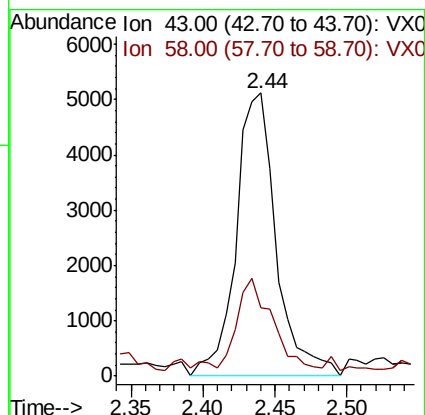
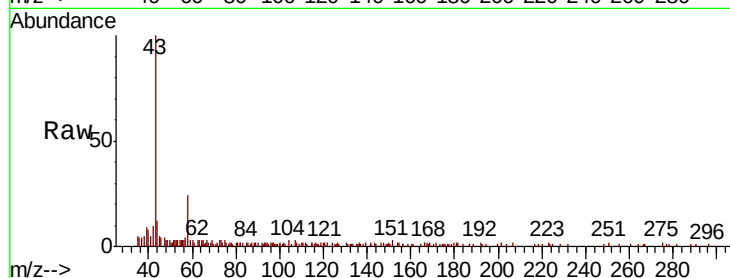
T4-A1-(2)

Tgt Ion: 43 Resp: 9883

Ion Ratio Lower Upper

43 100

58 22.2 25.2 37.8#



#18

Methyl Acetate

Concen: 0.815 ug/l

RT: 2.77 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX011710.D

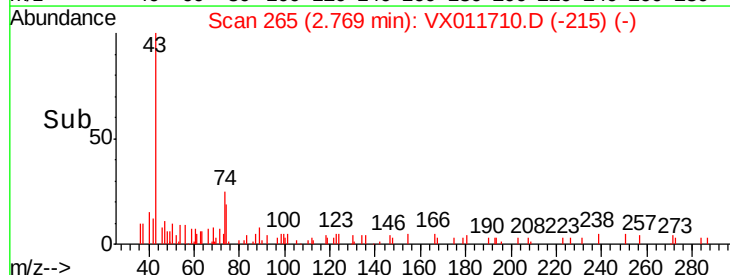
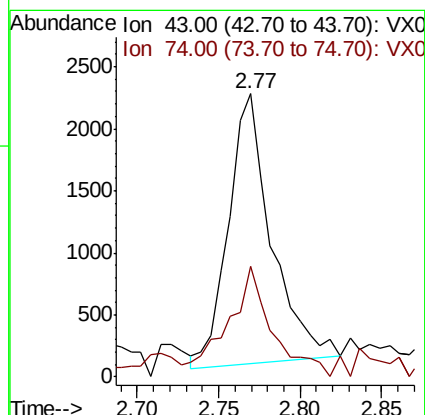
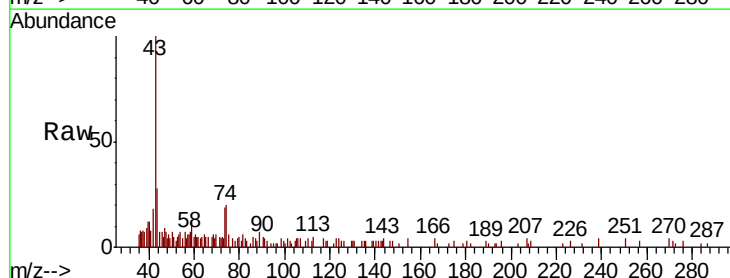
Acq: 21 Aug 2019 01:59

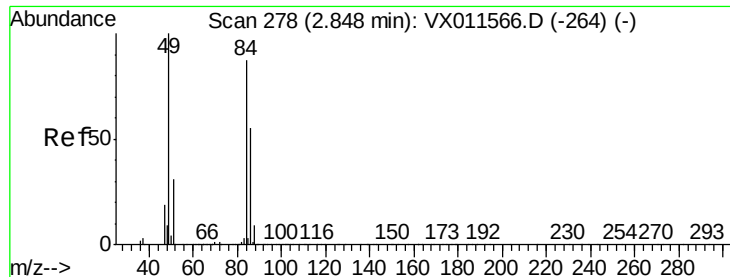
Tgt Ion: 43 Resp: 3997

Ion Ratio Lower Upper

43 100

74 42.4 19.7 29.5#

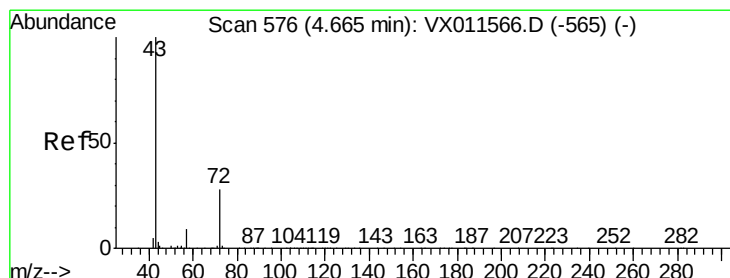
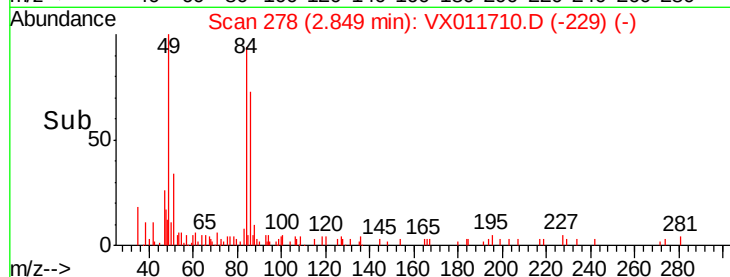
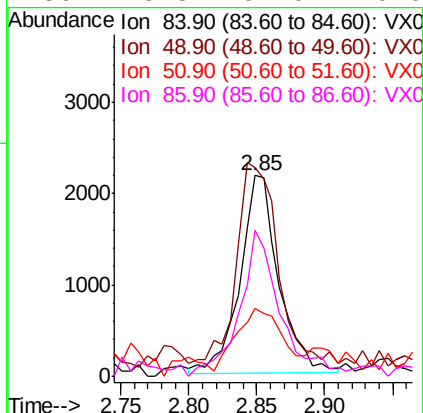
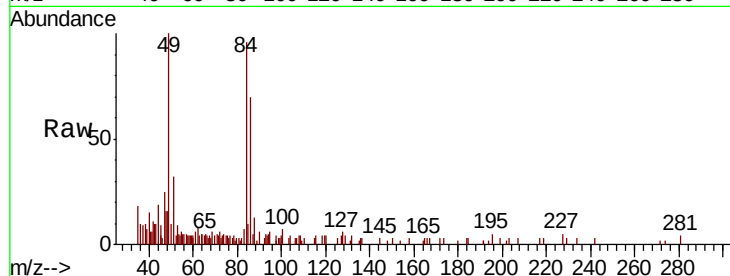




#20
Methylene Chloride
Concen: 1.297 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

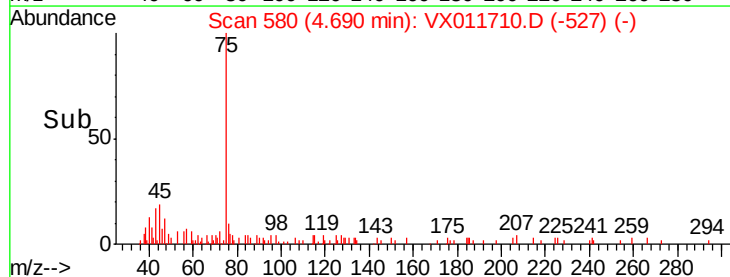
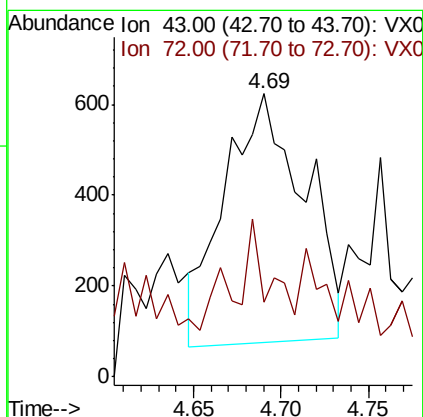
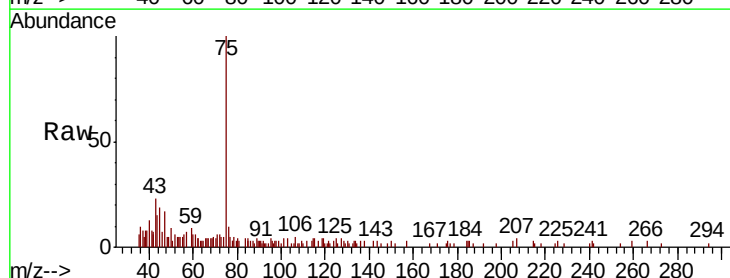
Instrument :
MSVOA_X
ClientSampleId :
T4-A1-(2)

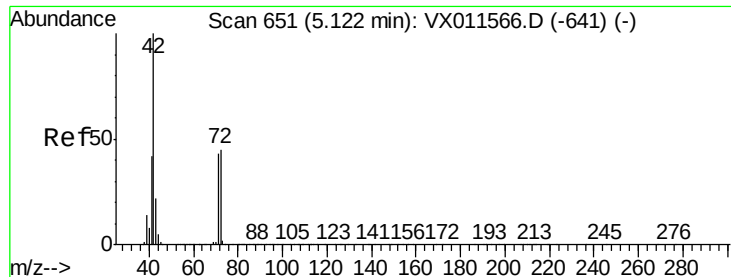
Tgt Ion:	84	Resp:	4308
Ion	Ratio	Lower	Upper
84	100		
49	101.8	92.4	138.6
51	28.8	28.5	42.7
86	75.8	51.0	76.6



#25
2-Butanone
Concen: 0.705 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

Tgt Ion:	43	Resp:	1751
Ion	Ratio	Lower	Upper
43	100		
72	9.8	22.2	33.4#





#29

Tetrahydrofuran

Concen: 0.534 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampled :

T4-A1-(2)

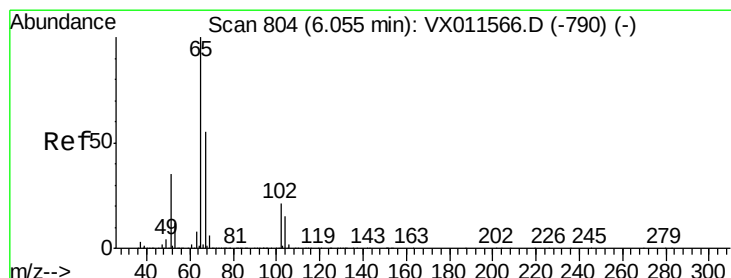
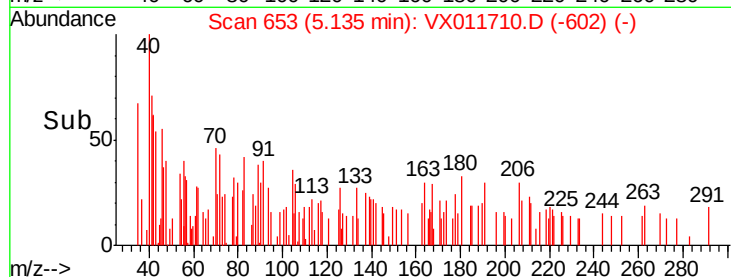
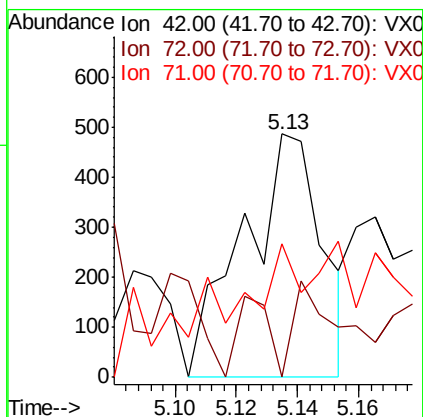
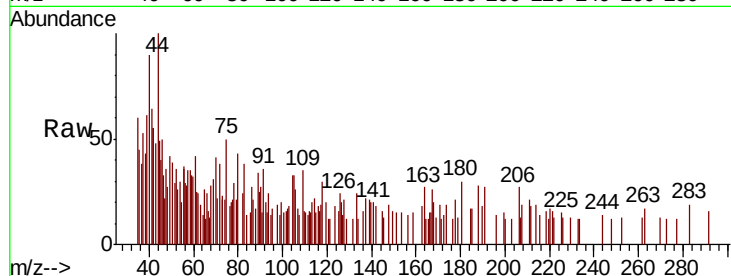
Tgt Ion: 42 Resp: 870

Ion Ratio Lower Upper

42 100

72 24.9 36.1 54.1#

71 13.0 33.8 50.8#



#33

1,2-Dichloroethane-d4

Concen: 58.876 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011710.D

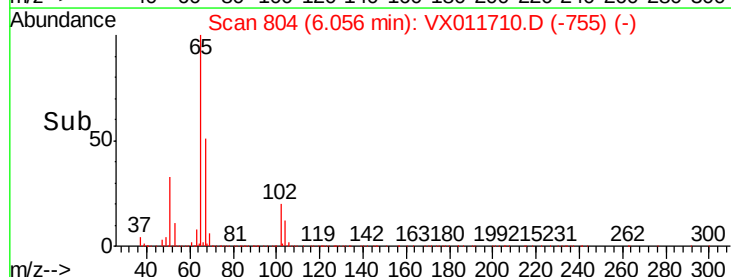
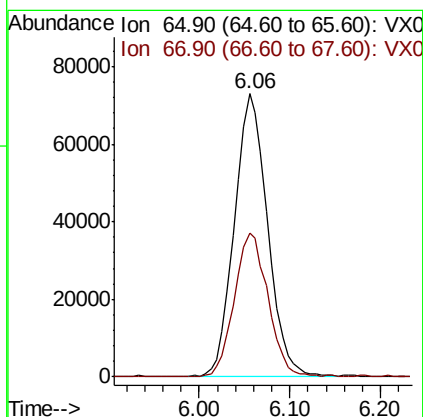
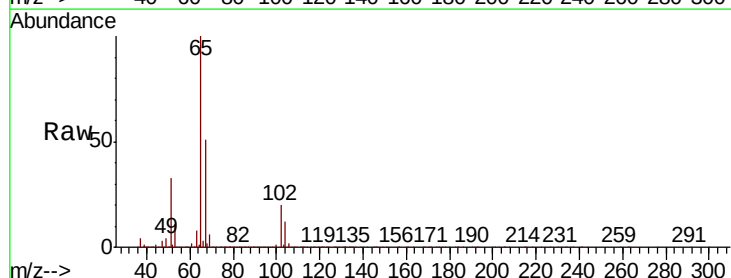
Acq: 21 Aug 2019 01:59

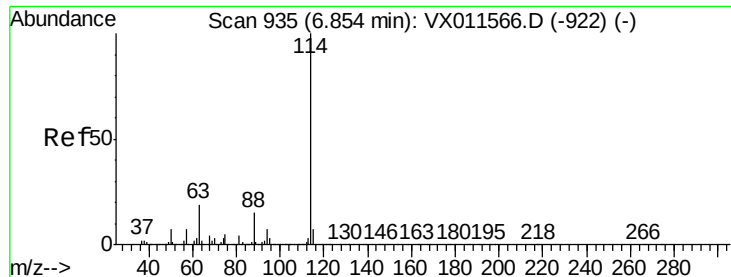
Tgt Ion: 65 Resp: 185175

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.6

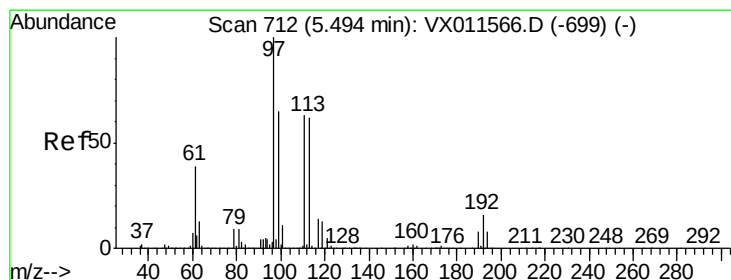
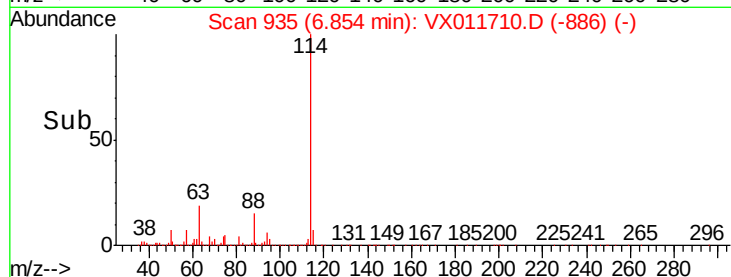
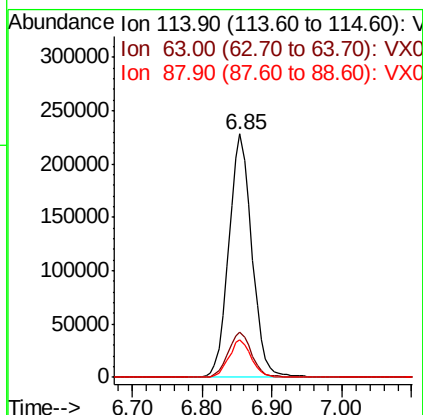
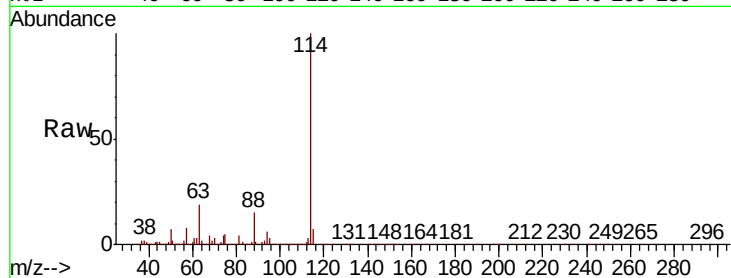




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011710.D
 Acq: 21 Aug 2019 01:59

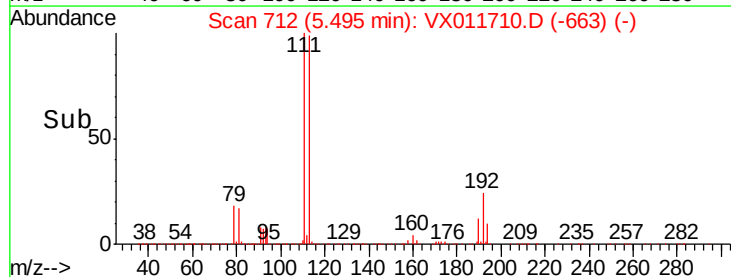
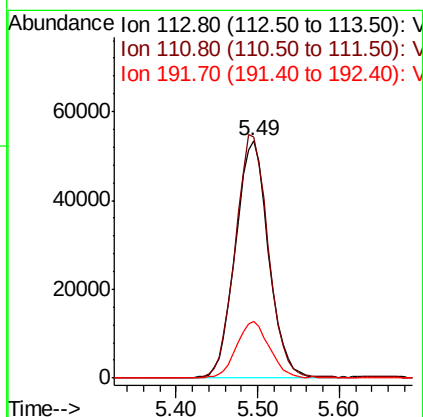
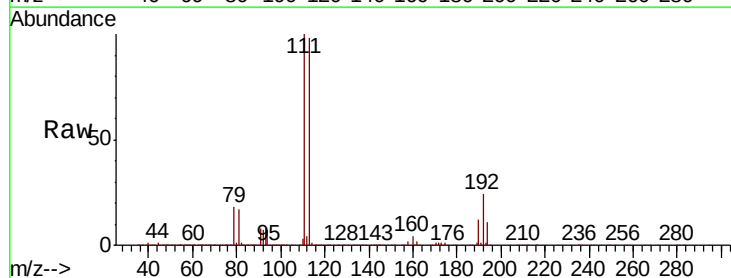
Instrument :
 MSVOA_X
 ClientSampleId :
 T4-A1-(2)

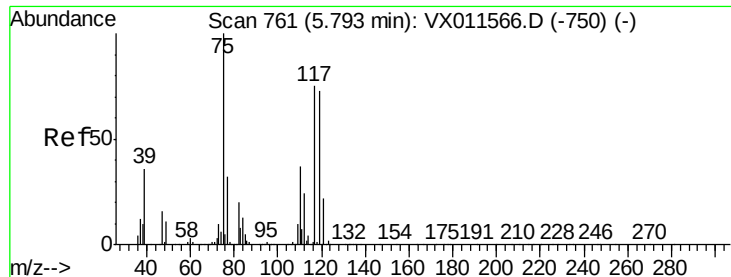
Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	37.8
88	15.4	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 44.203 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011710.D
 Acq: 21 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.1	121.7
192	23.7	20.8	31.2

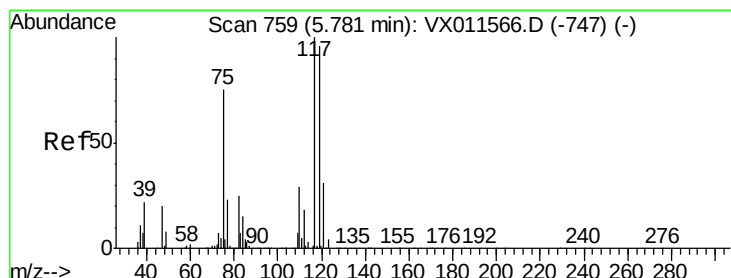
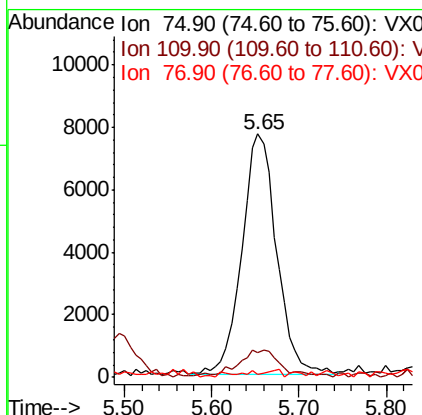
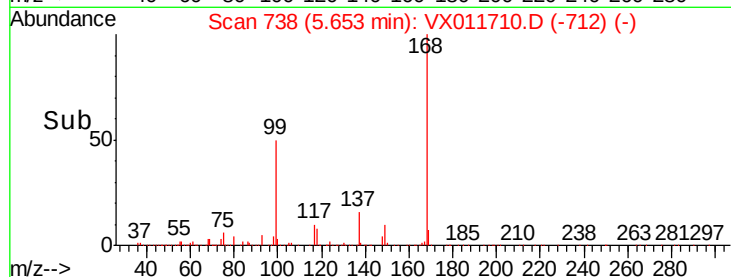
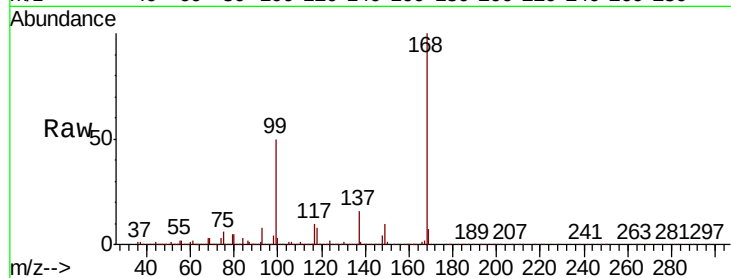




#36
 1,1-Dichloropropene
 Concen: 4.770 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.14 min
 Lab File: VX011710.D
 Acq: 21 Aug 2019 01:59

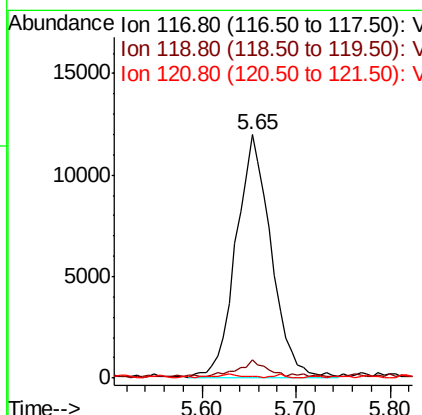
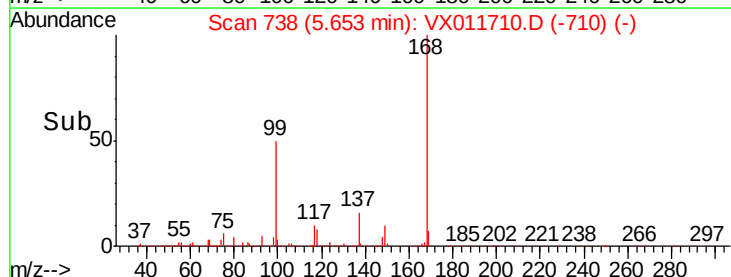
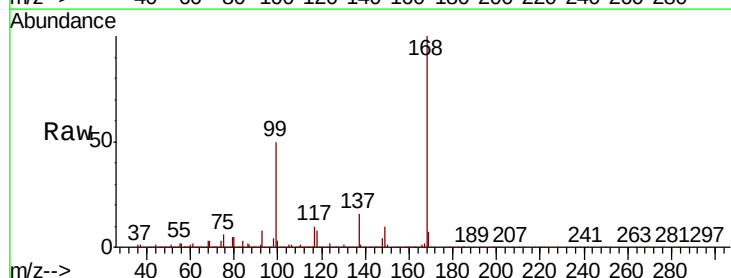
Instrument :
 MSVOA_X
 ClientSampled :
 T4-A1-(2)

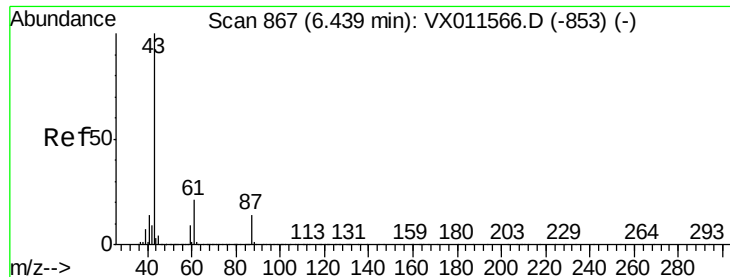
Tgt Ion	Ratio	Lower	Upper
75	100		
110	13.9	19.4	58.1#
77	0.5	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.388 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.13 min
 Lab File: VX011710.D
 Acq: 21 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.9	115.3#
121	0.0	24.8	37.2#





#43

Isopropyl Acetate

Concen: 6.646 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampled :

T4-A1-(2)

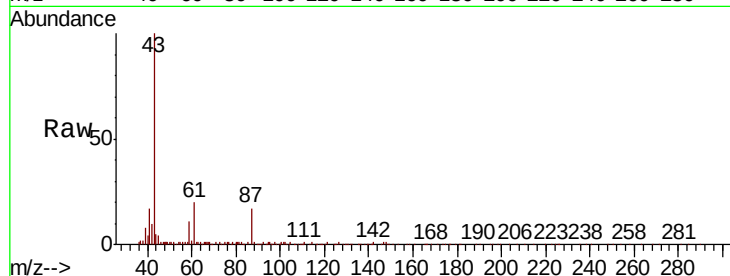
Tgt Ion: 43 Resp: 53269

Ion Ratio Lower Upper

43 100

61 21.2 16.6 24.8

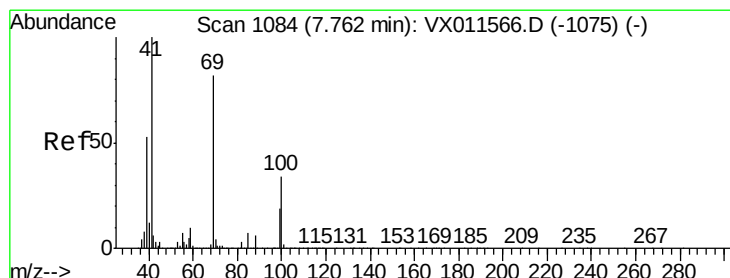
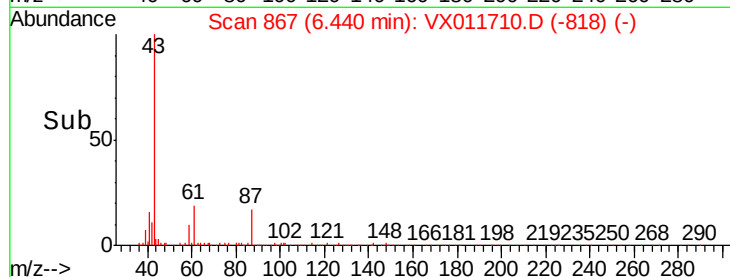
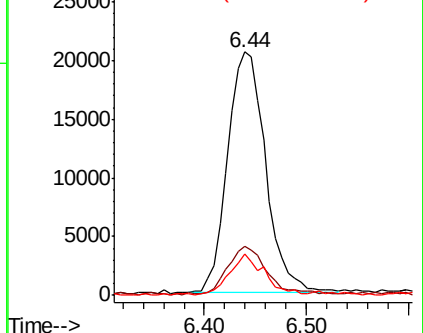
87 15.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#48

Methyl methacrylate

Concen: 1.022 ug/l

RT: 7.68 min Scan# 1070

Delta R.T. -0.09 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

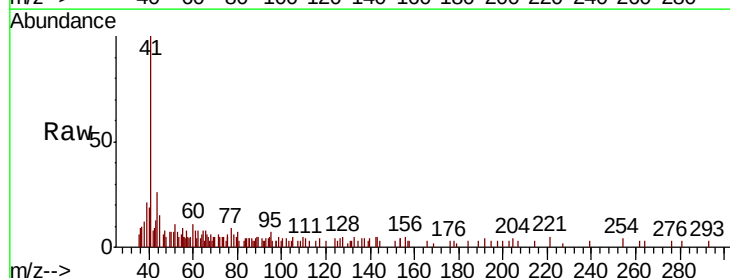
Tgt Ion: 41 Resp: 4057

Ion Ratio Lower Upper

41 100

69 7.5 67.9 101.9#

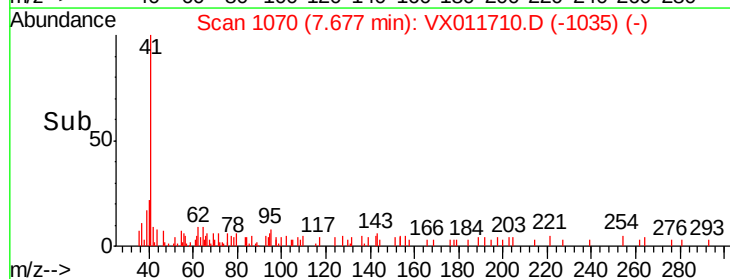
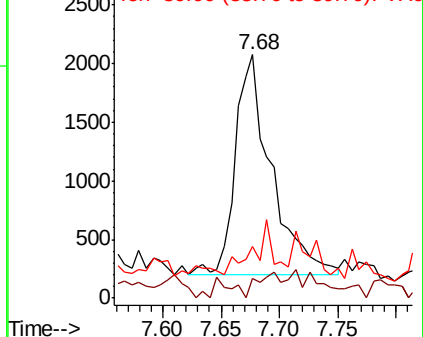
39 0.0 41.6 62.4#

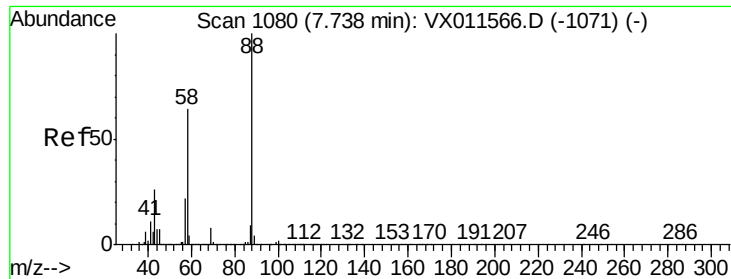


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 1.762 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampled :

T4-A1-(2)

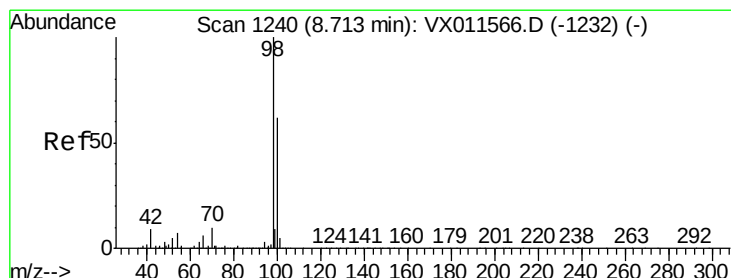
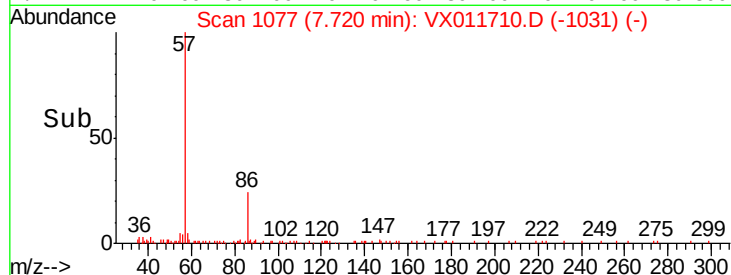
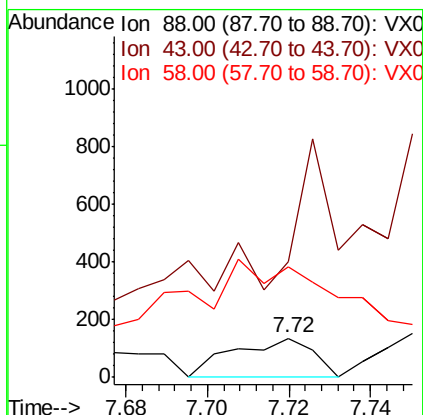
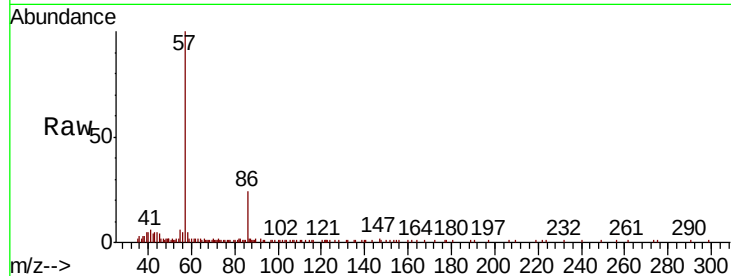
Tgt Ion: 88 Resp: 186

Ion Ratio Lower Upper

88 100

43 0.0 23.4 35.0#

58 468.8 54.3 81.5#



#50

Toluene-d8

Concen: 58.015 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011710.D

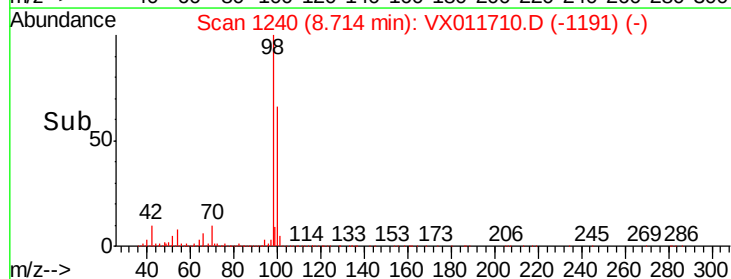
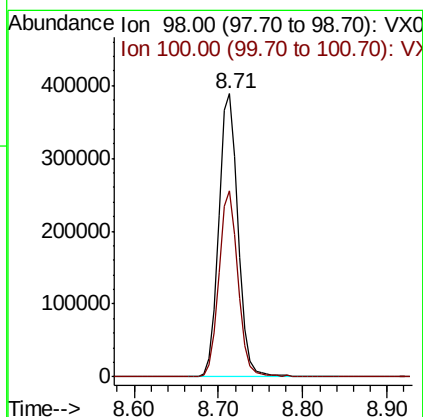
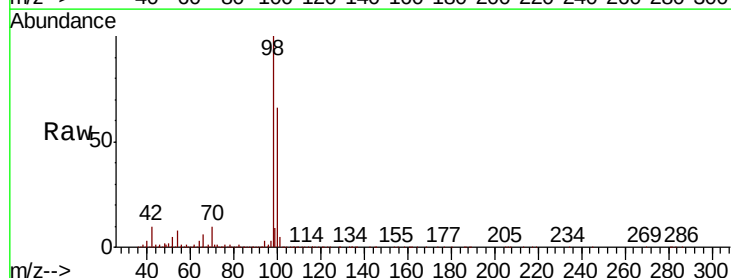
Acq: 21 Aug 2019 01:59

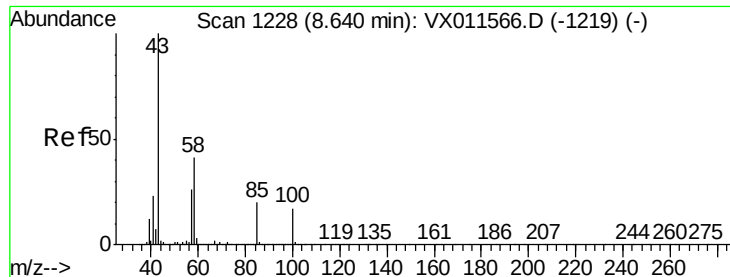
Tgt Ion: 98 Resp: 617447

Ion Ratio Lower Upper

98 100

100 64.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 10.383 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

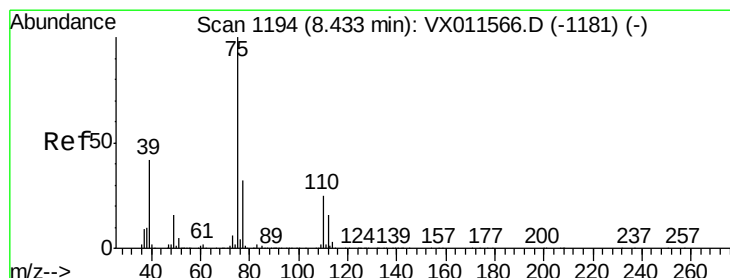
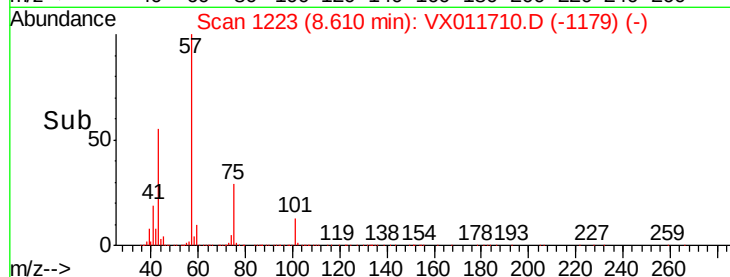
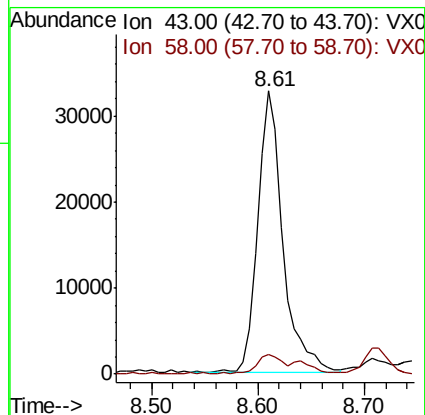
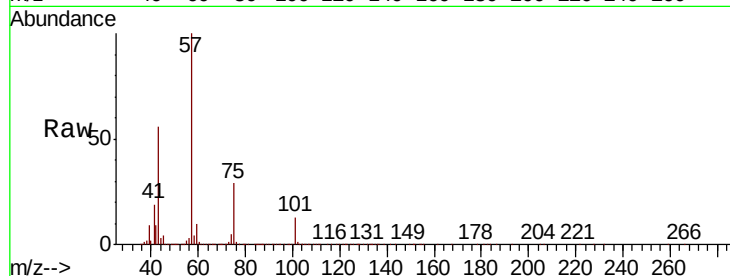
T4-A1-(2)

Tgt Ion: 43 Resp: 54468

Ion Ratio Lower Upper

43 100

58 6.5 31.8 47.6#



#54

cis-1,3-Dichloropropene

Concen: 4.951 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

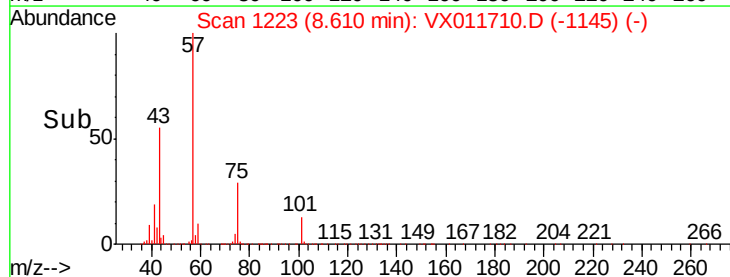
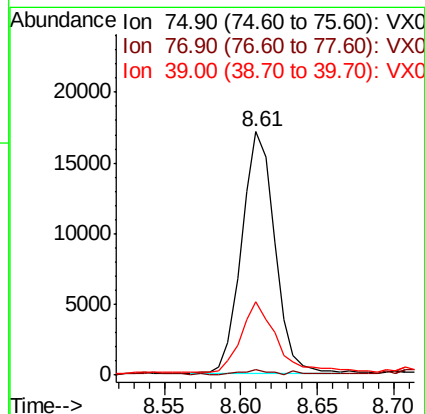
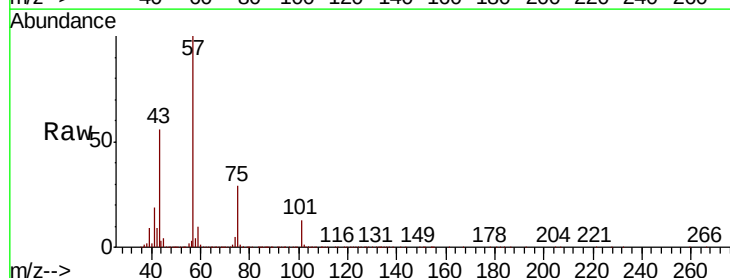
Tgt Ion: 75 Resp: 25966

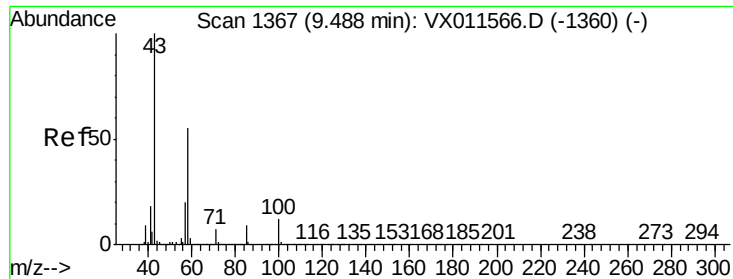
Ion Ratio Lower Upper

75 100

77 1.7 25.5 38.3#

39 29.0 33.6 50.4#

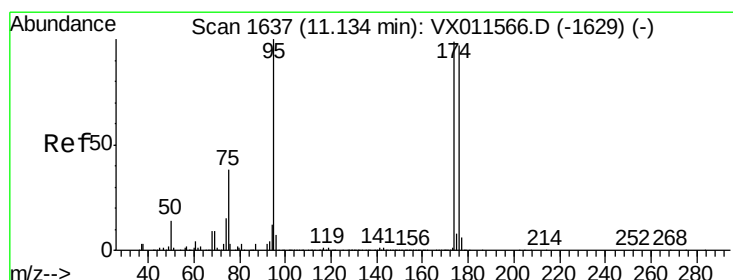
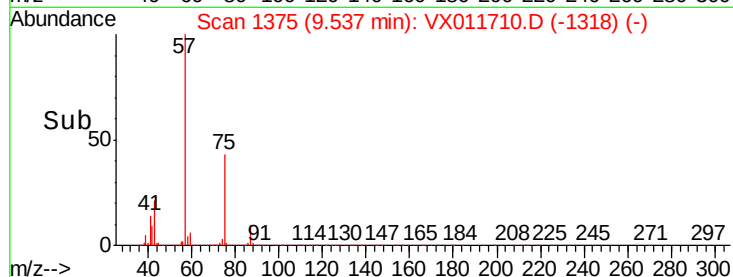
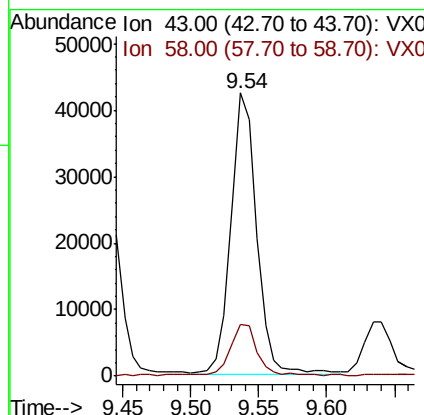
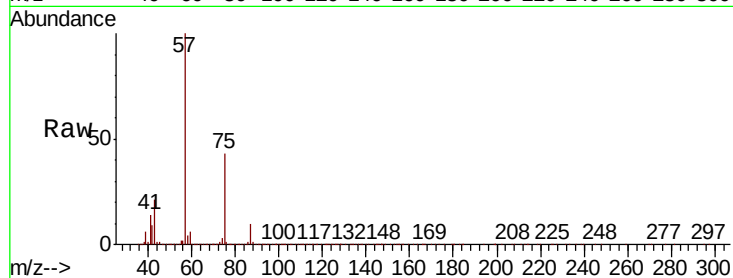




#59
2-Hexanone
Concen: 13.786 ug/l
RT: 9.54 min Scan# 1375
Delta R.T. 0.05 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

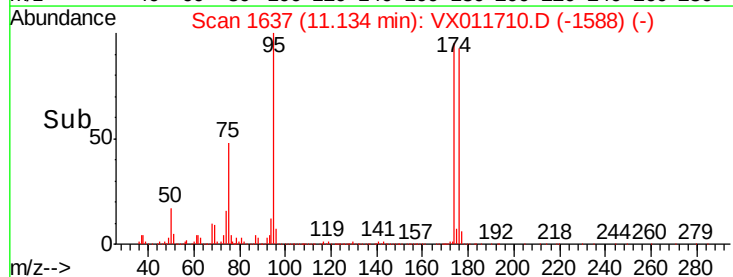
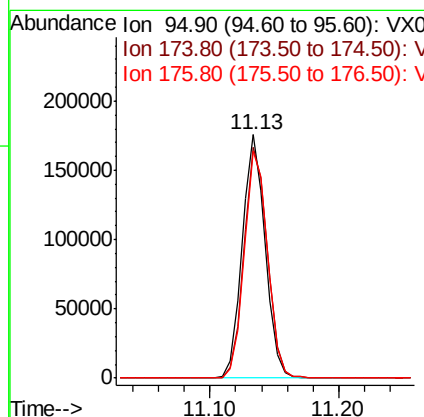
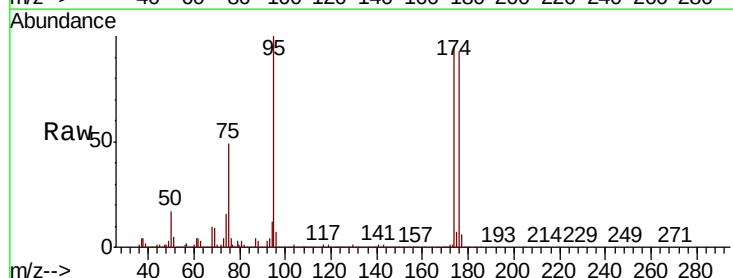
Instrument :
MSVOA_X
ClientSampleId :
T4-A1-(2)

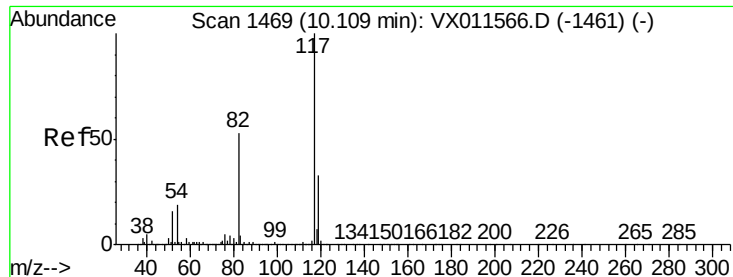
Tgt Ion: 43 Resp: 55771
Ion Ratio Lower Upper
43 100
58 18.5 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 48.030 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

Tgt Ion: 95 Resp: 215759
Ion Ratio Lower Upper
95 100
174 96.3 0.0 200.6
176 94.2 0.0 196.6

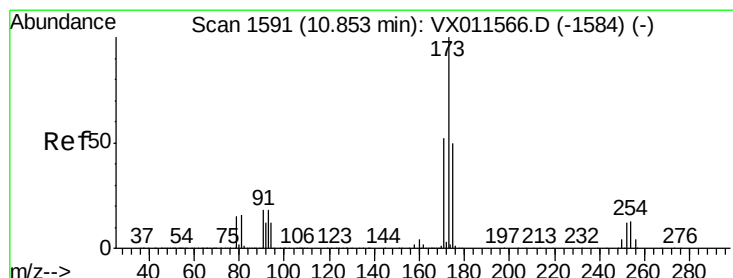
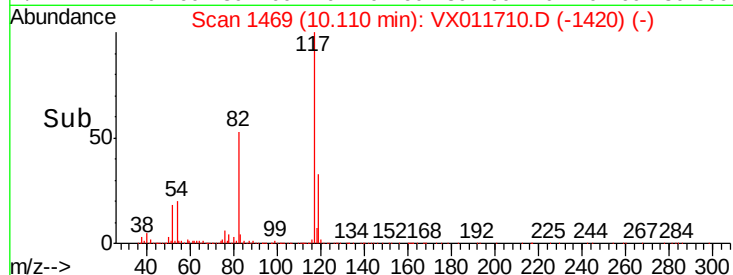
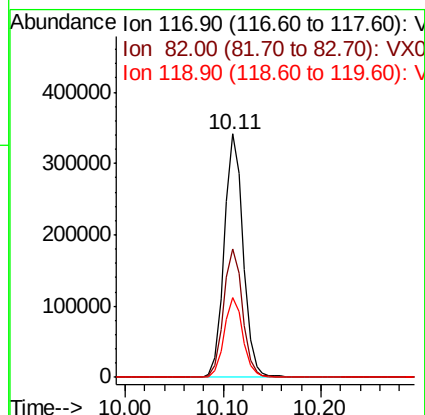
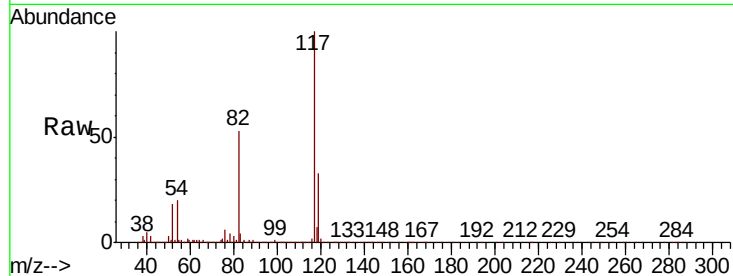




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

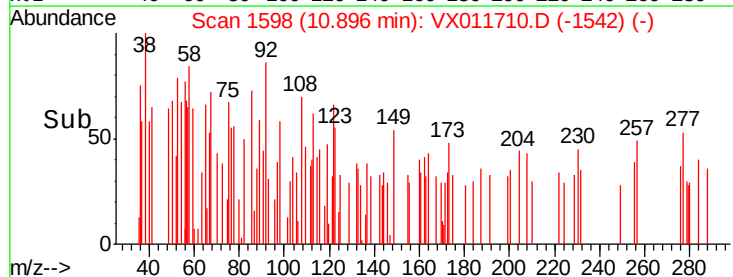
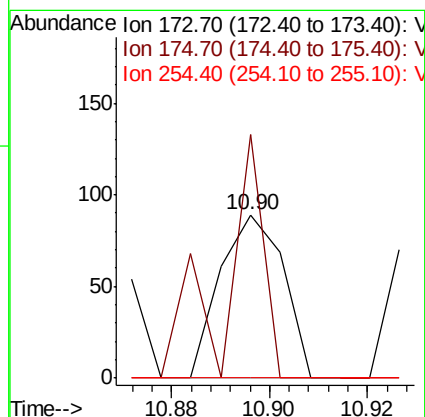
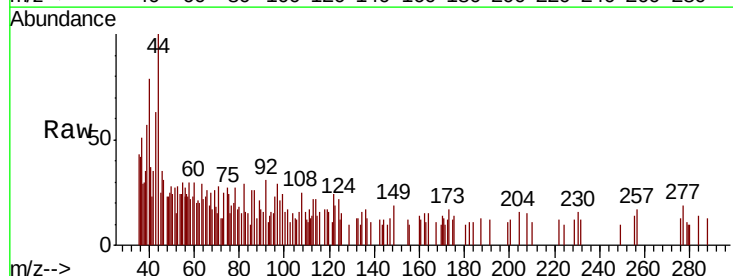
Instrument :
MSVOA_X
ClientSampleId :
T4-A1-(2)

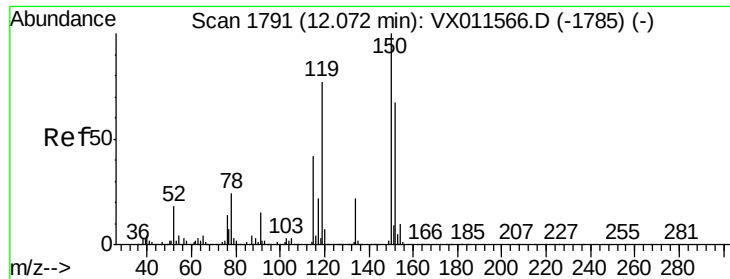
Tgt Ion:117 Resp: 457527
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 32.9 26.5 39.7



#71
Bromoform
Concen: 3.313 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.04 min
Lab File: VX011710.D
Acq: 21 Aug 2019 01:59

Tgt Ion:173 Resp: 80
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 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: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

T4-A1-(2)

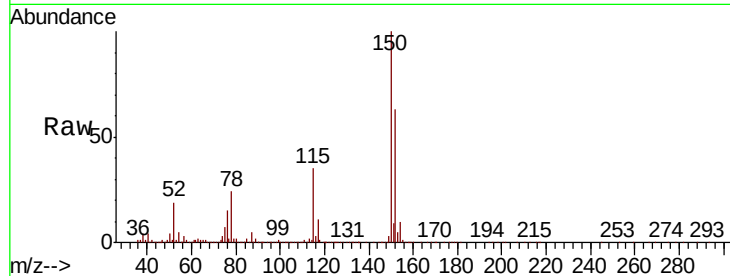
Tgt Ion: 152 Resp: 222647

Ion Ratio Lower Upper

152 100

115 54.7 37.3 111.9

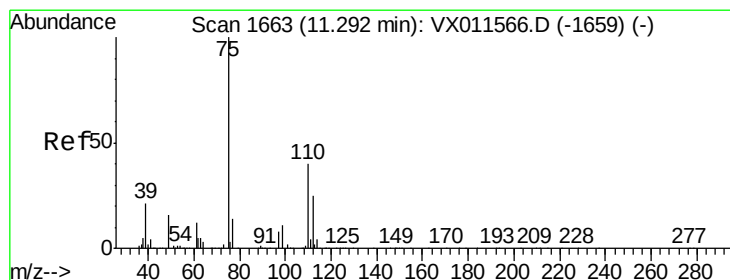
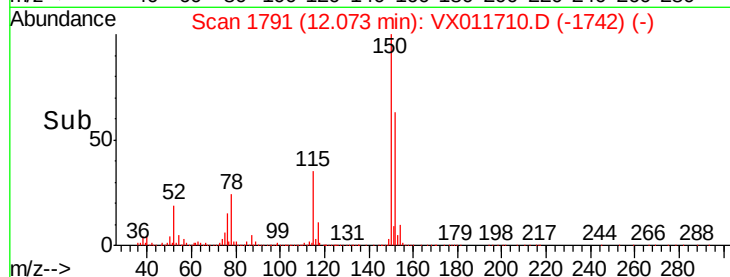
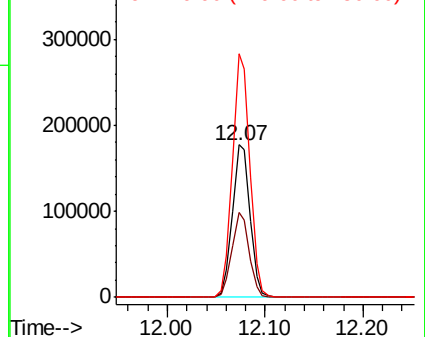
150 157.3 0.0 346.2



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: 24.687 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011710.D

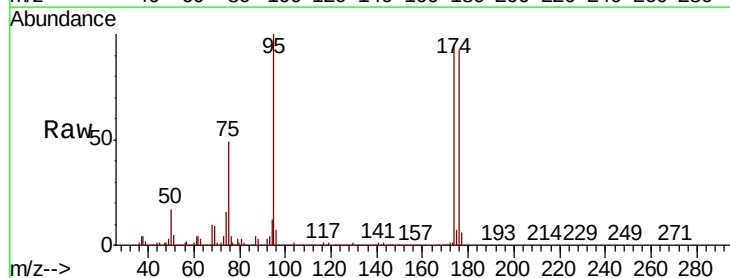
Acq: 21 Aug 2019 01:59

Tgt Ion: 75 Resp: 104228

Ion Ratio Lower Upper

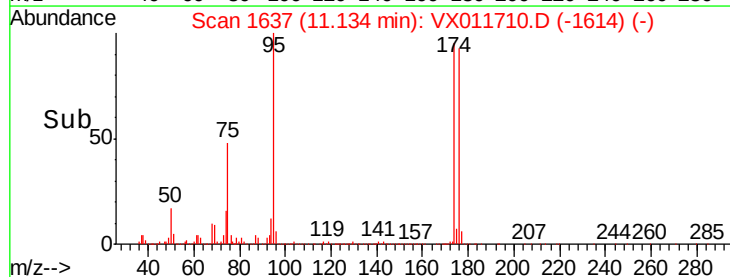
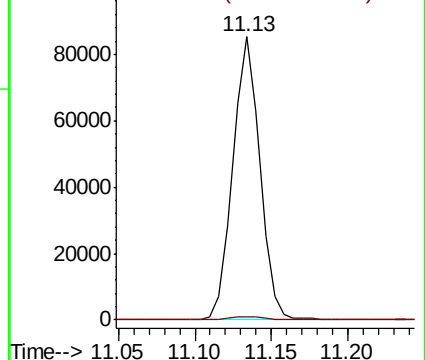
75 100

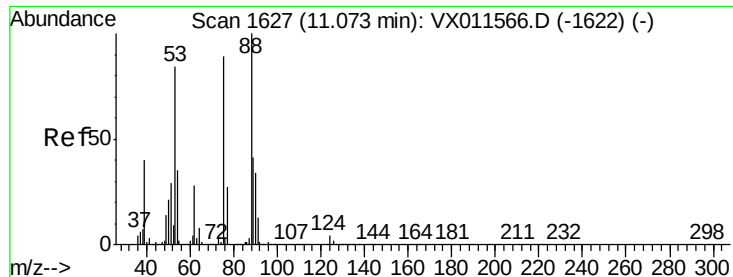
77 1.2 20.9 62.8#



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: 65.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011710.D

Acq: 21 Aug 2019 01:59

Instrument :

MSVOA_X

ClientSampleId :

T4-A1-(2)

Tgt Ion: 75 Resp: 104228

Ion Ratio Lower Upper

75 100

53 0.2 77.4 116.0#

89 0.2 37.3 55.9#

