

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082019\
 Data File : VX011704.D
 Acq On : 20 Aug 2019 23:38
 Operator : JC/SP
 Sample : K4387-27
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-D-(0)

Quant Time: Aug 21 00:56:04 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	342824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	533065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	485181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	219173	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	186061	58.52	ug/l	0.00
Spiked Amount			Recovery	=	117.04%	
35) Dibromofluoromethane	5.49	113	148621	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	
50) Toluene-d8	8.71	98	582181	53.59	ug/l	0.00
Spiked Amount			Recovery	=	107.18%	
62) 4-Bromofluorobenzene	11.13	95	204696	44.64	ug/l	0.00
Spiked Amount			Recovery	=	89.28%	

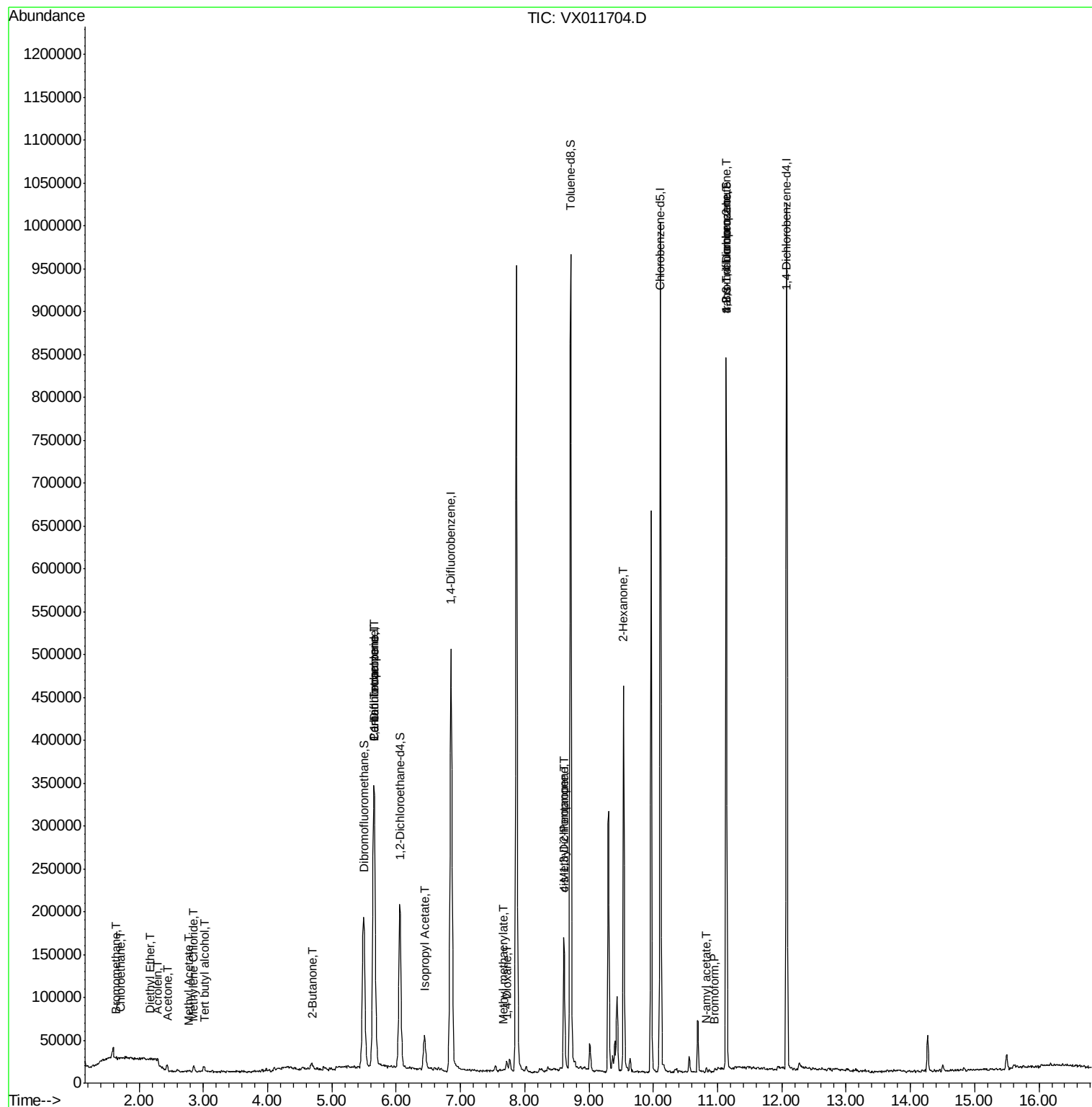
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	582	0.411	ug/l #	50
6) Chloroethane	1.71	64	324	0.217	ug/l #	76
8) Diethyl Ether	2.18	74	458	0.305	ug/l	85
11) Tert butyl alcohol	3.02	59	4274	5.480	ug/l #	87
13) Acrolein	2.28	56	177	12.886	ug/l #	1
16) Acetone	2.43	43	8517	5.328	ug/l	91
18) Methyl Acetate	2.78	43	3218	0.649	ug/l	97
20) Methylene Chloride	2.85	84	3649	1.087	ug/l #	87
25) 2-Butanone	4.68	43	1428	0.569	ug/l #	67
36) 1,1-Dichloropropene	5.65	75	21185	4.648	ug/l #	53
38) Carbon Tetrachloride	5.65	117	31858	6.345	ug/l #	15
43) Isopropyl Acetate	6.44	43	54297	6.637	ug/l	98
48) Methyl methacrylate	7.68	41	4116	1.016	ug/l #	17
49) 1,4-Dioxane	7.73	88	119	1.104	ug/l #	25
51) 4-Methyl-2-Pentanone	8.61	43	53131	9.922	ug/l #	53
54) cis-1,3-Dichloropropene	8.61	75	25161	4.700	ug/l #	66
59) 2-Hexanone	9.54	43	54289	13.147	ug/l #	52
71) Bromoform	10.95	173	152	3.329	ug/l #	28
74) N-amyl acetate	10.82	43	2618	0.433	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	100688	24.227	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	100688	64.227	ug/l #	11

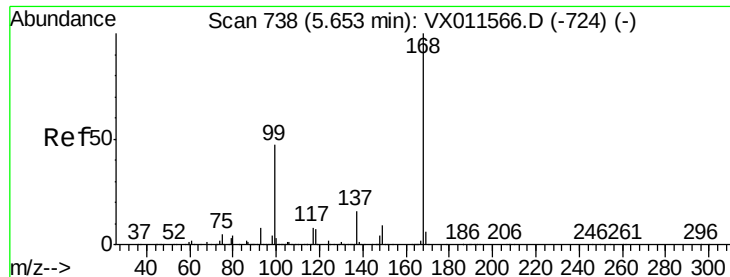
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampled :

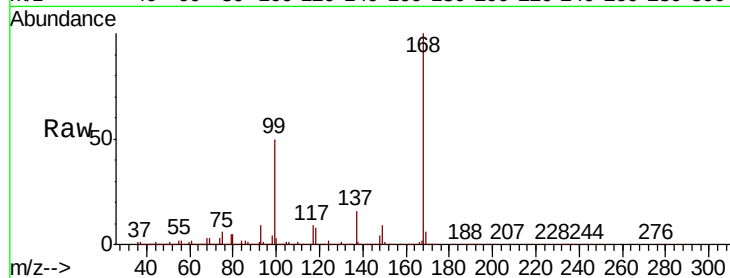
T6-D-(0)

Tgt Ion:168 Resp: 342824

Ion Ratio Lower Upper

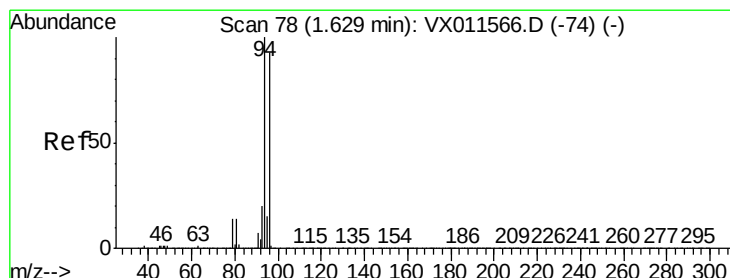
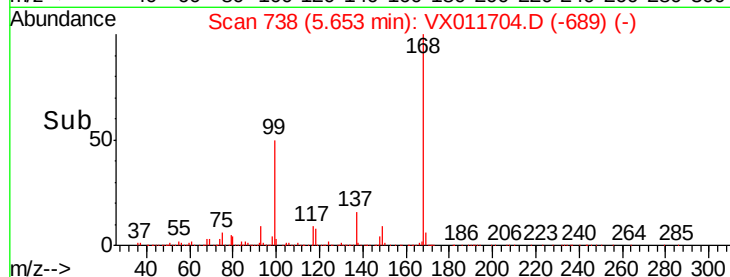
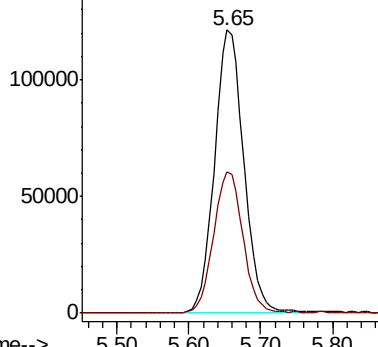
168 100

99 49.9 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.411 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX011704.D

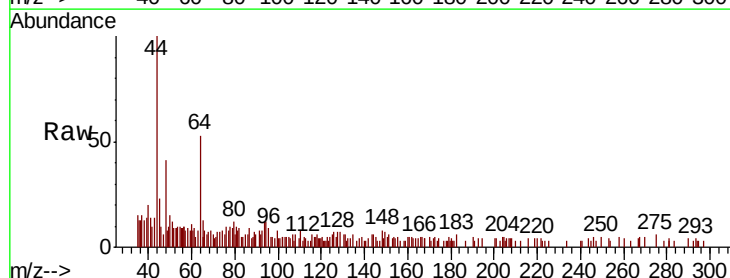
Acq: 20 Aug 2019 23:38

Tgt Ion: 94 Resp: 582

Ion Ratio Lower Upper

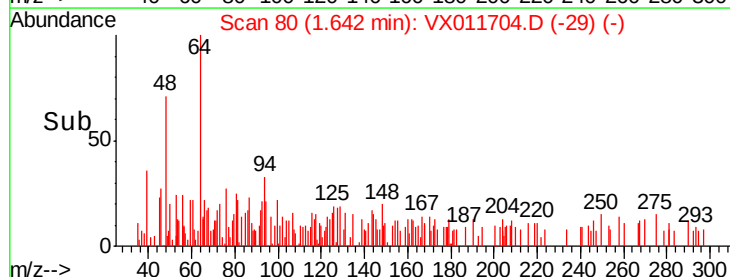
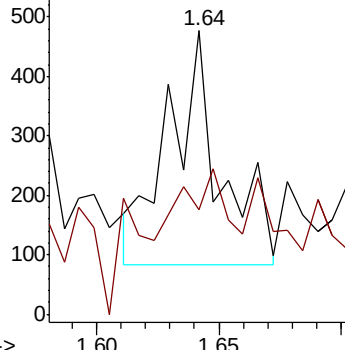
94 100

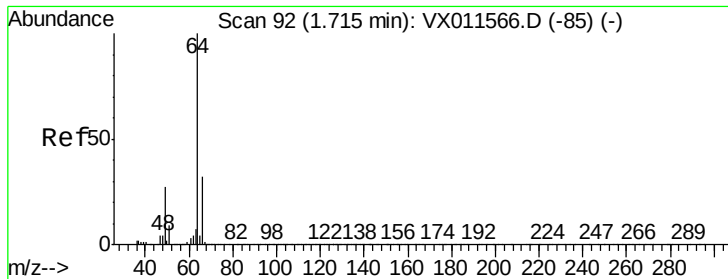
96 45.5 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.217 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampleId :

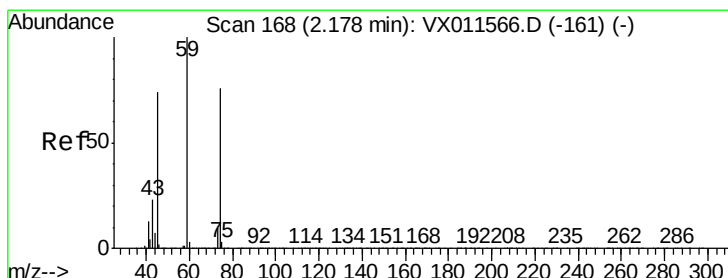
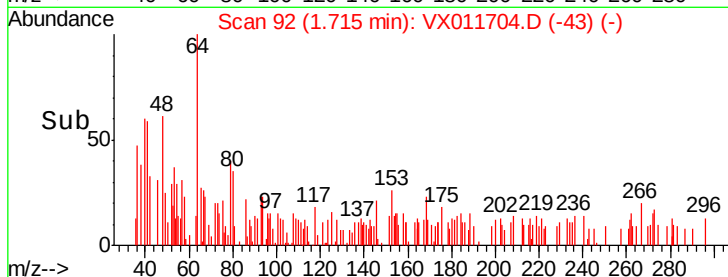
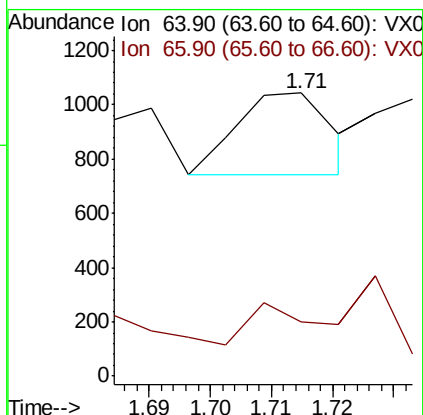
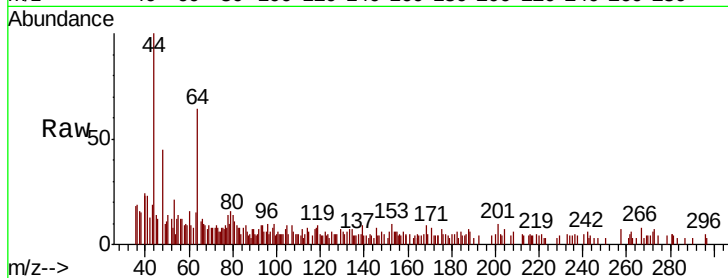
T6-D-(0)

Tgt Ion: 64 Resp: 324

Ion Ratio Lower Upper

64 100

66 18.5 25.3 37.9#



#8

Diethyl Ether

Concen: 0.305 ug/l

RT: 2.18 min Scan# 168

Delta R.T. 0.00 min

Lab File: VX011704.D

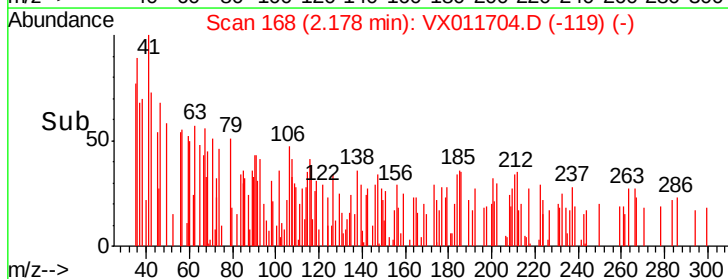
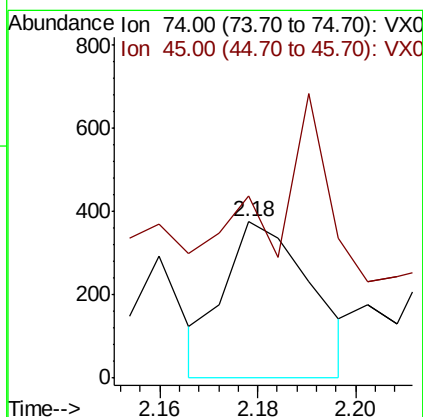
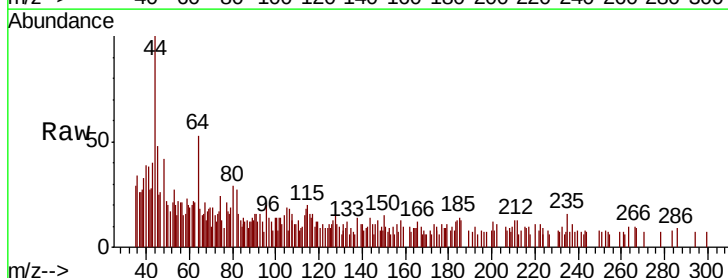
Acq: 20 Aug 2019 23:38

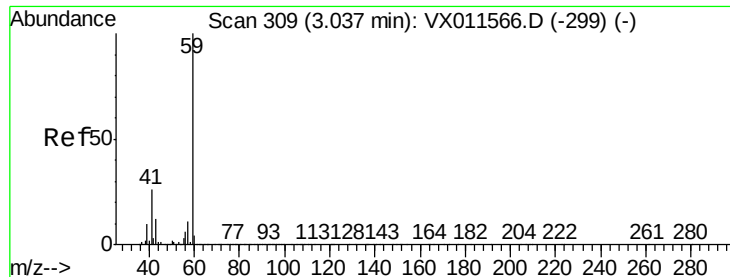
Tgt Ion: 74 Resp: 458

Ion Ratio Lower Upper

74 100

45 111.1 48.2 144.6



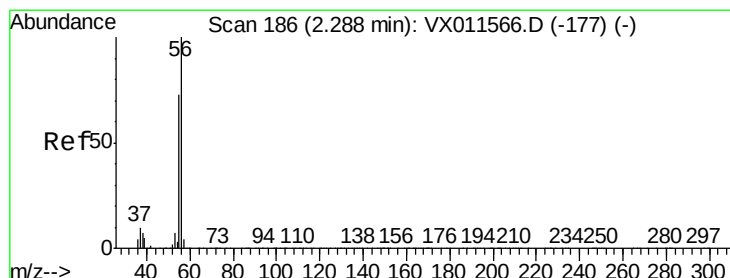
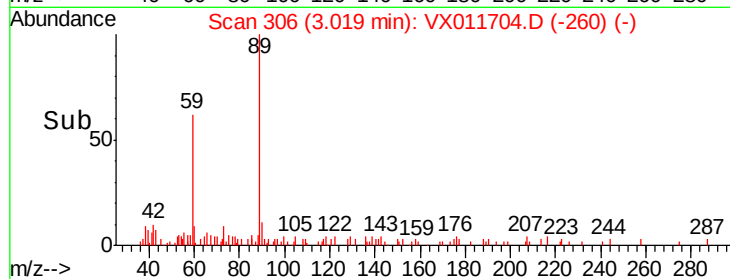
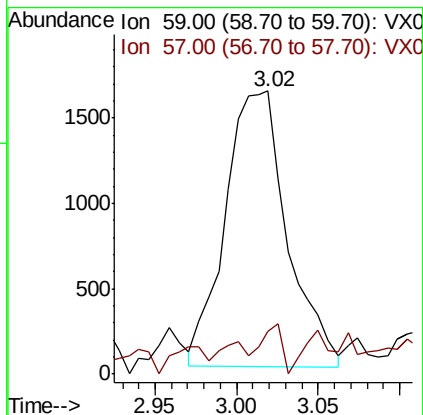
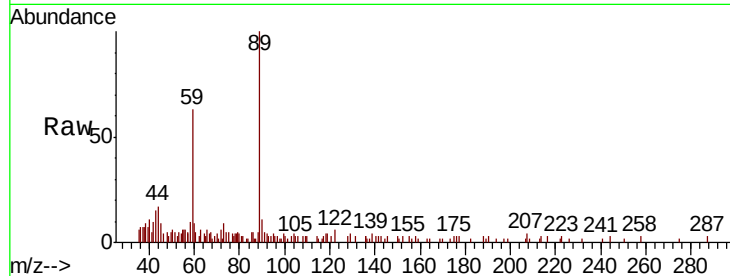


#11

Tert butyl alcohol
 Concen: 5.480 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX011704.D
 Acq: 20 Aug 2019 23:38

Instrument :
 MSVOA_X
 ClientSampleId :
 T6-D-(0)

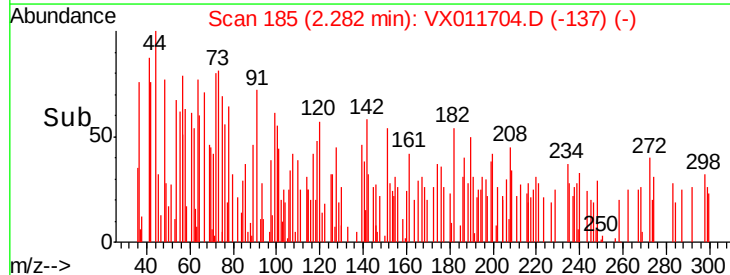
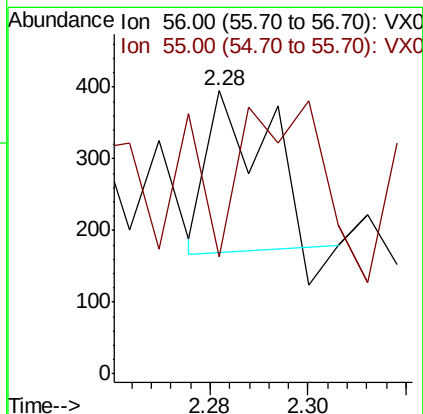
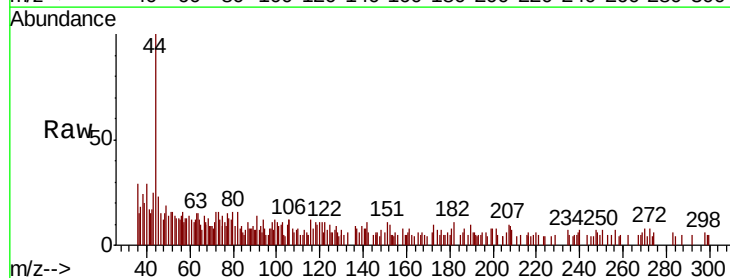
Tgt Ion: 59 Resp: 4274
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.7 13.1#

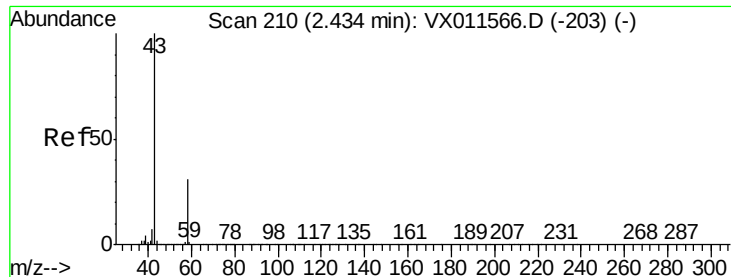


#13

Acrolein
 Concen: 12.886 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX011704.D
 Acq: 20 Aug 2019 23:38

Tgt Ion: 56 Resp: 177
 Ion Ratio Lower Upper
 56 100
 55 181.9 55.5 83.3#

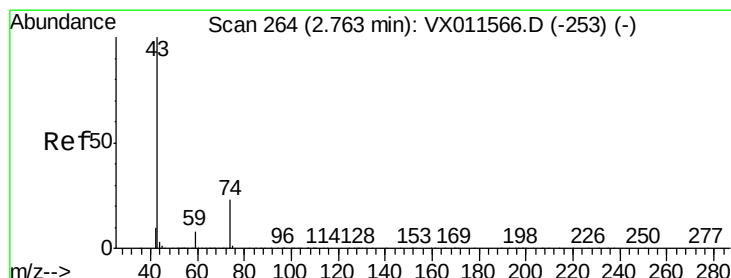
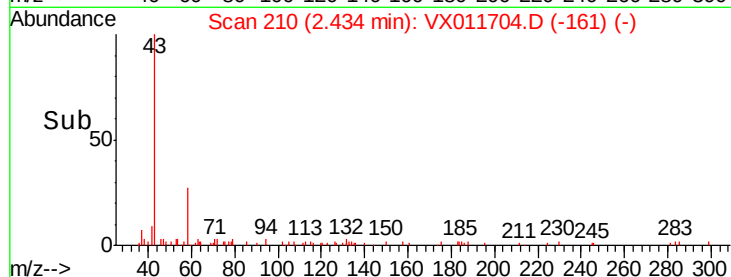
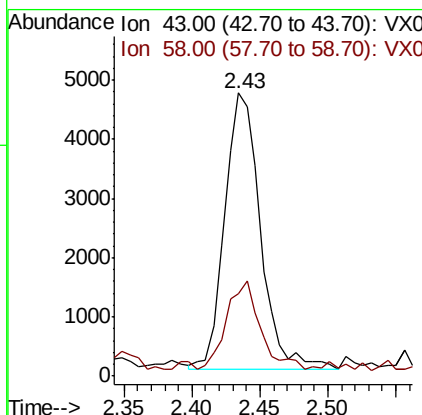
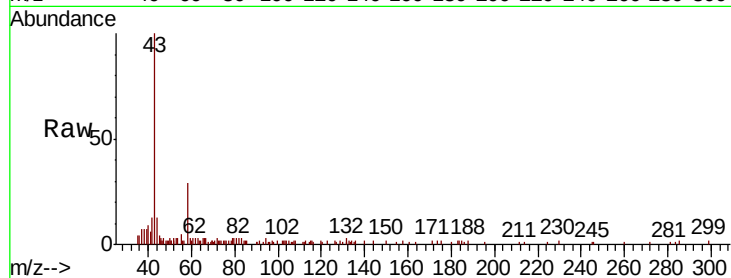




#16
Acetone
Concen: 5.328 ug/l
RT: 2.43 min Scan# 210
Delta R.T. 0.00 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

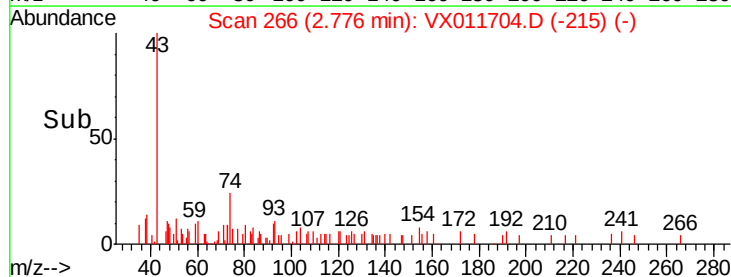
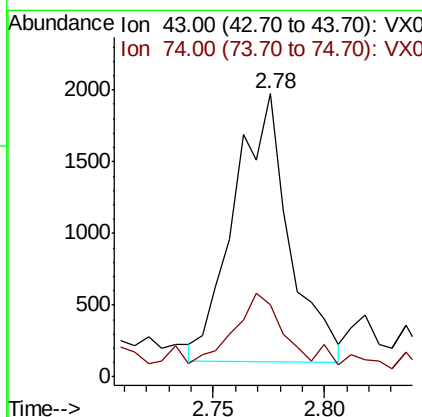
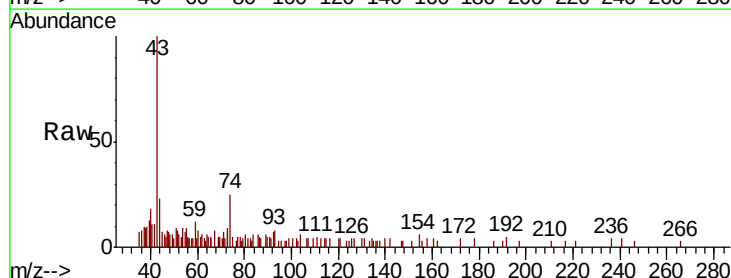
Instrument :
MSVOA_X
ClientSampled :
T6-D-(0)

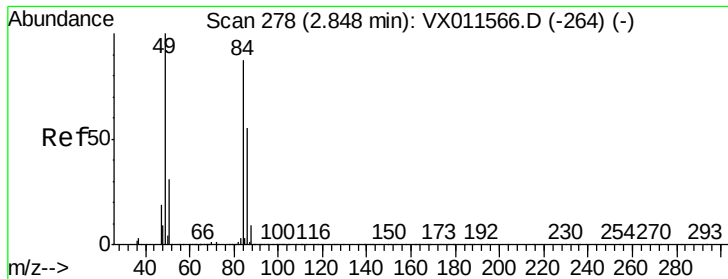
Tgt Ion: 43 Resp: 8517
Ion Ratio Lower Upper
43 100
58 26.8 25.2 37.8



#18
Methyl Acetate
Concen: 0.649 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
74 23.0 19.7 29.5

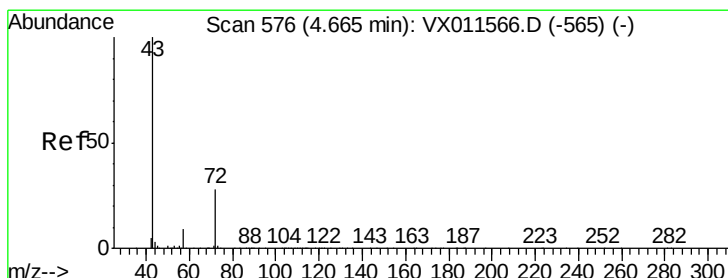
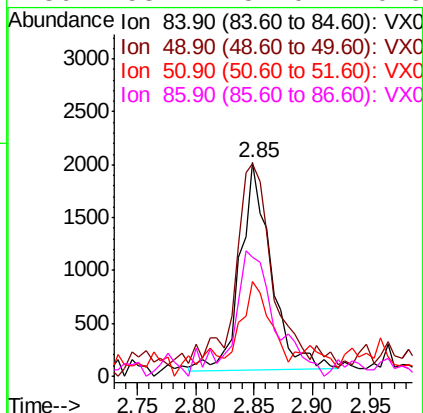
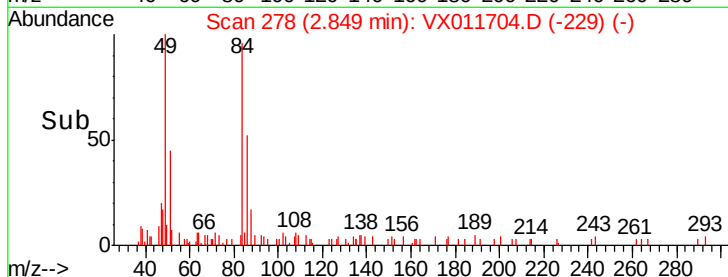
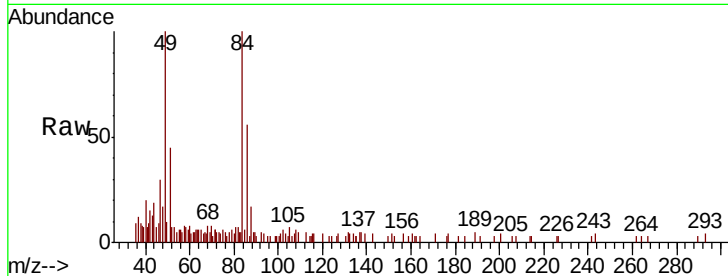




#20
Methylene Chloride
Concen: 1.087 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

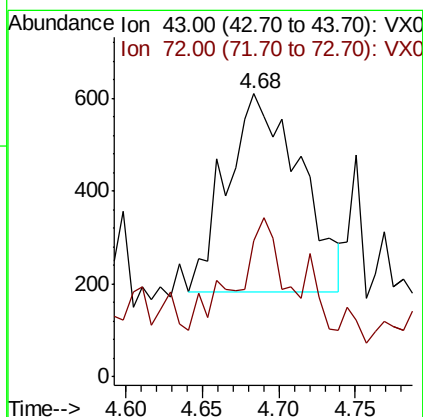
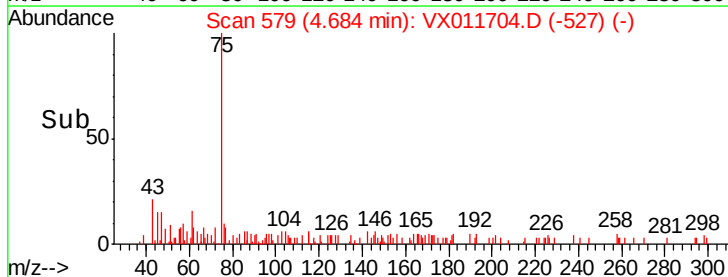
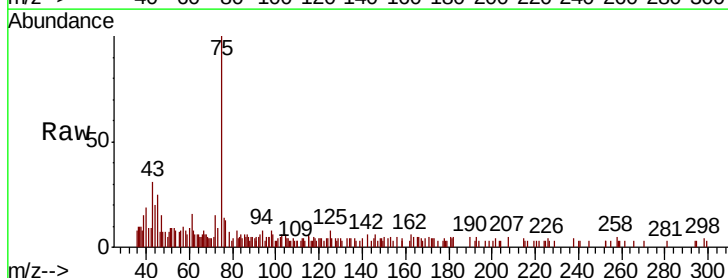
Instrument :
MSVOA_X
ClientSampleId :
T6-D-(0)

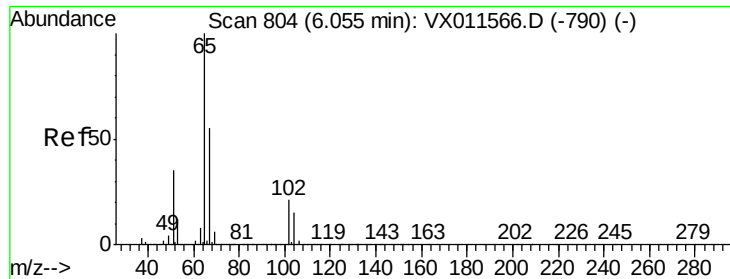
Tgt Ion:	84	Resp:	3649
Ion	Ratio	Lower	Upper
84	100		
49	98.7	92.4	138.6
51	42.9	28.5	42.7#
86	58.1	51.0	76.6



#25
2-Butanone
Concen: 0.569 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.02 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

Tgt Ion:	43	Resp:	1428
Ion	Ratio	Lower	Upper
43	100		
72	45.1	22.2	33.4#

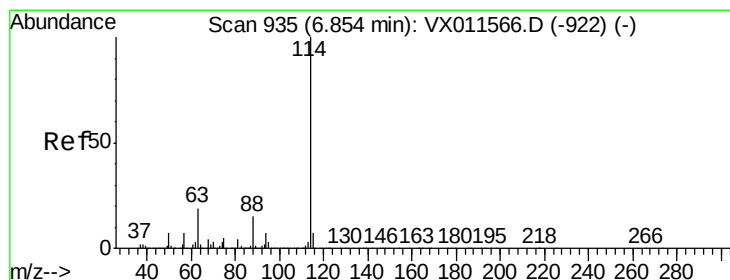
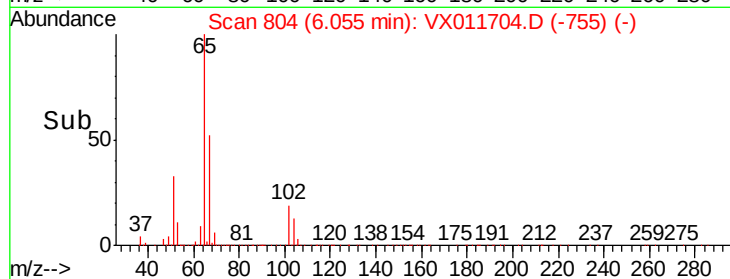
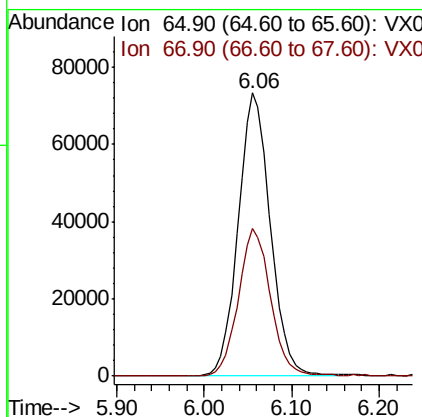
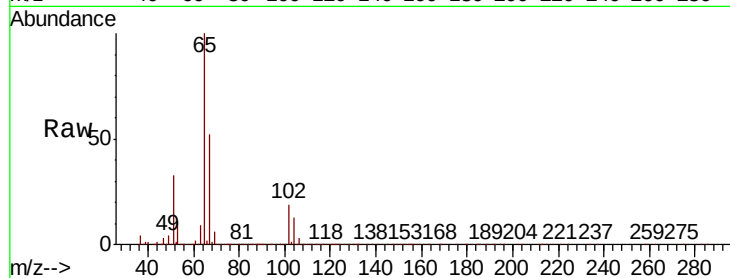




#33
 1,2-Dichloroethane-d4
 Concen: 58.524 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011704.D
 Acq: 20 Aug 2019 23:38

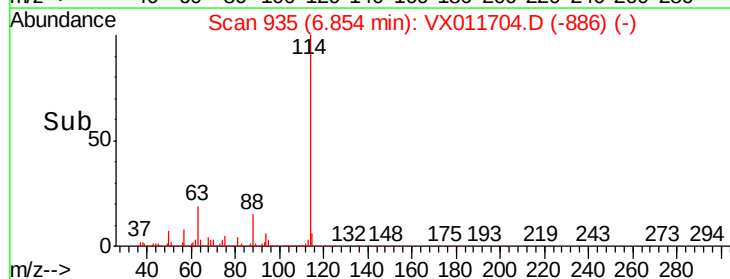
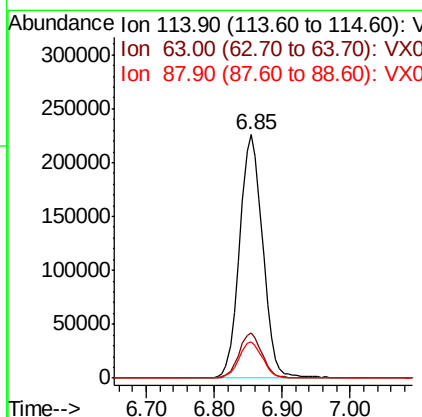
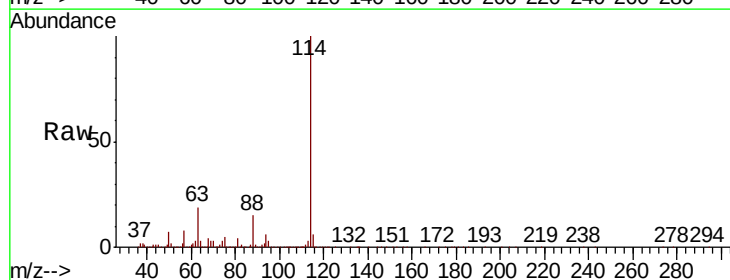
Instrument :
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 ClientSampleId :
 T6-D-(0)

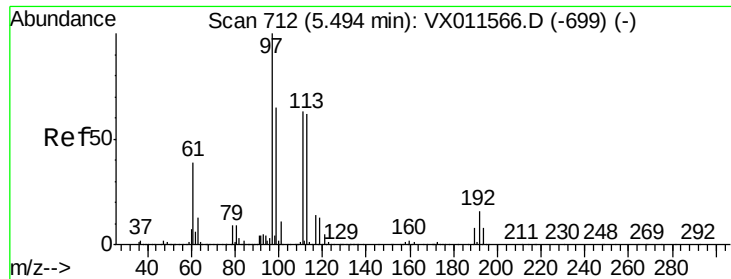
Tgt Ion: 65 Resp: 186061
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011704.D
 Acq: 20 Aug 2019 23:38

Tgt Ion: 114 Resp: 533065
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.8
 88 15.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 42.627 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(0)

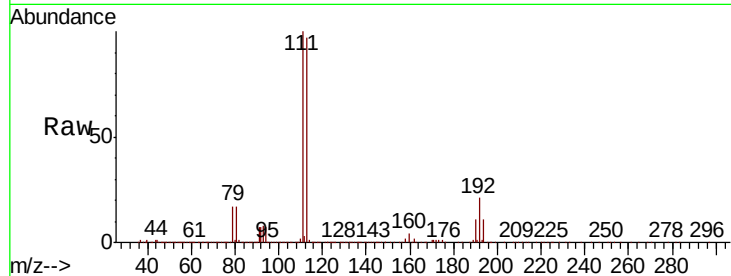
Tgt Ion:113 Resp: 148621

Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

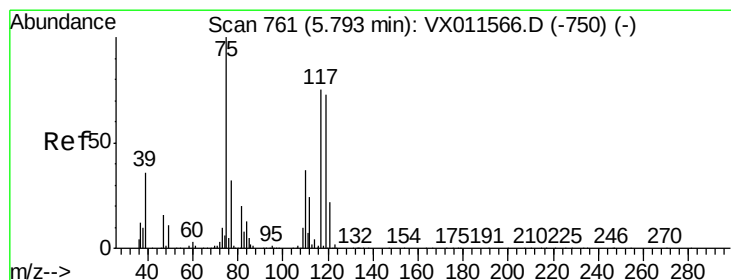
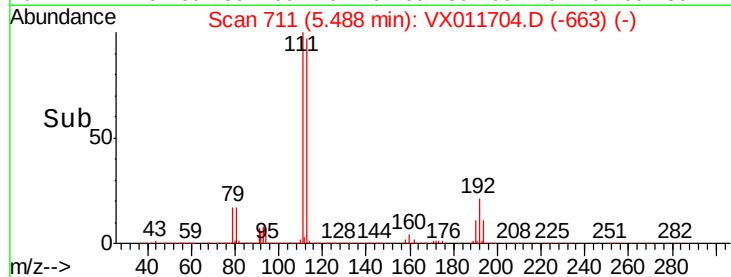
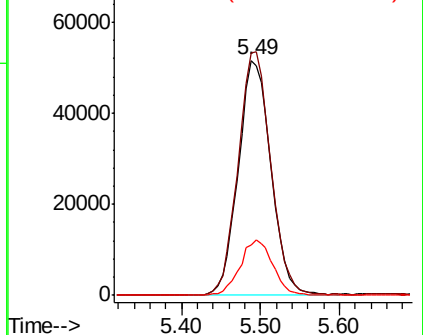
192 23.8 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.648 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.14 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

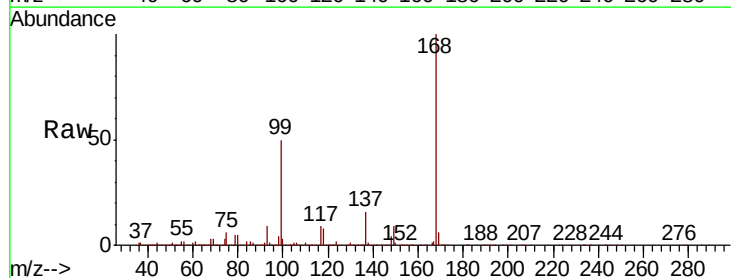
Tgt Ion: 75 Resp: 21185

Ion Ratio Lower Upper

75 100

110 13.3 19.4 58.1#

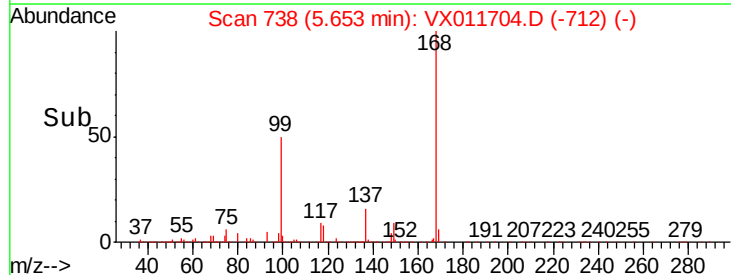
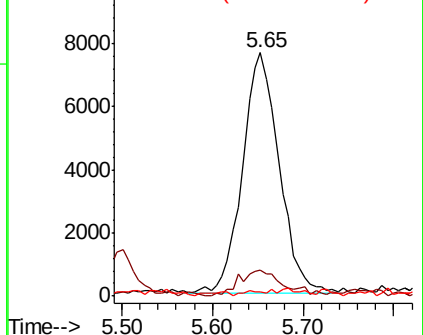
77 1.3 25.1 37.7#

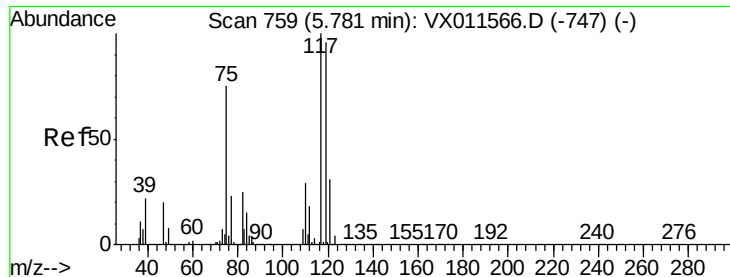


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

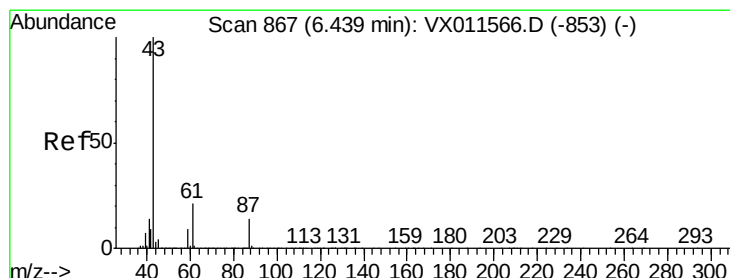
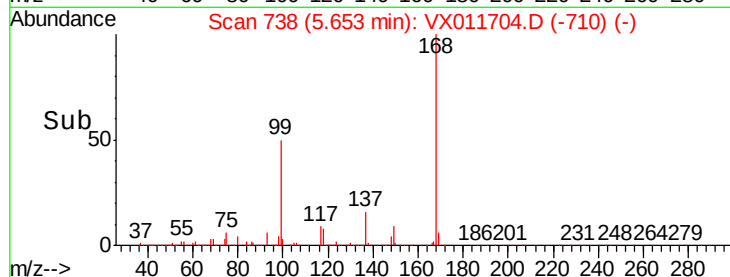
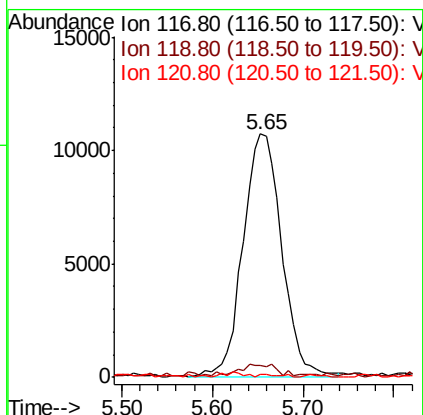
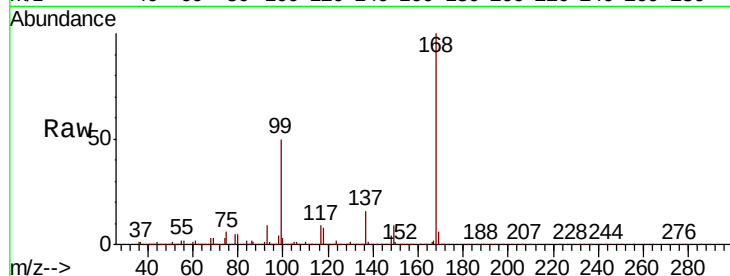




#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

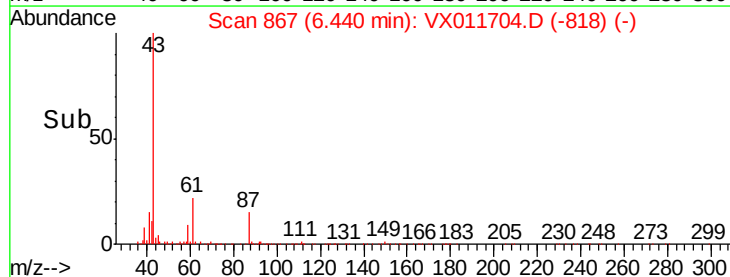
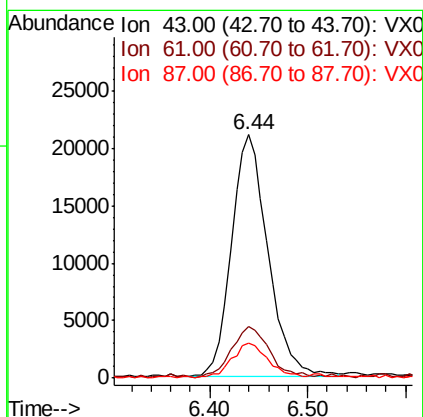
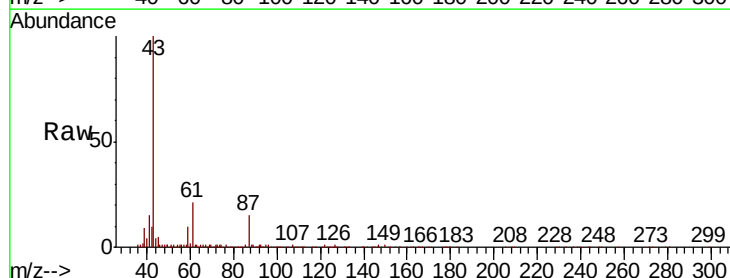
Instrument :
MSVOA_X
ClientSampled :
T6-D-(0)

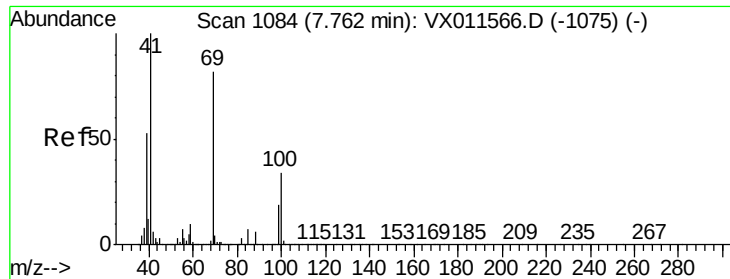
Tgt Ion: 117 Resp: 31858
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.5 24.8 37.2#



#43
Isopropyl Acetate
Concen: 6.637 ug/l
RT: 6.44 min Scan# 867
Delta R.T. 0.00 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

Tgt Ion: 43 Resp: 54297
Ion Ratio Lower Upper
43 100
61 22.0 16.6 24.8
87 14.6 11.4 17.2

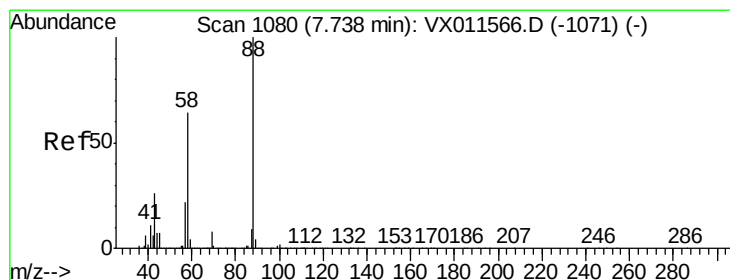
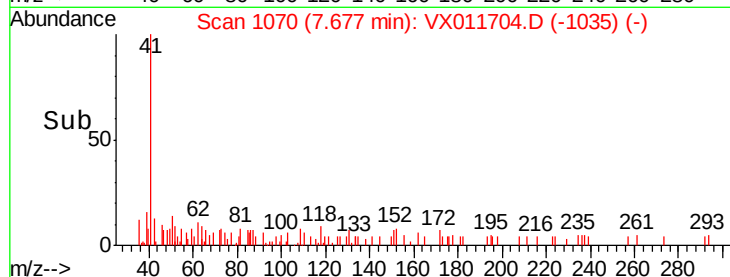
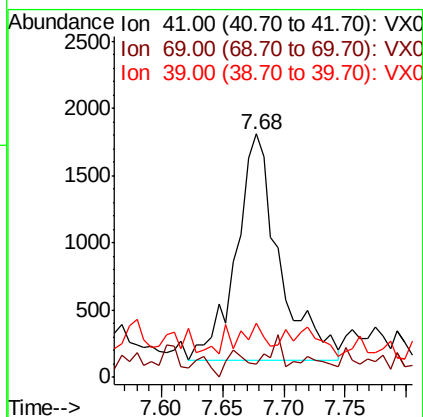
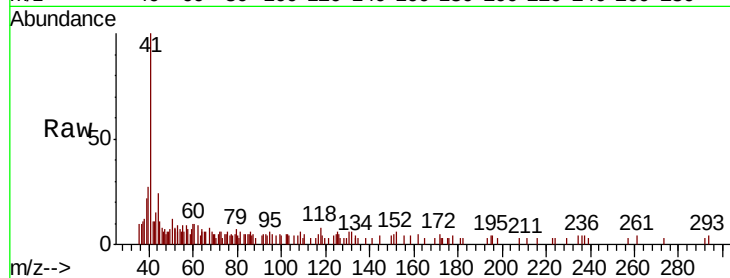




#48
Methyl methacrylate
Concen: 1.016 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.09 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

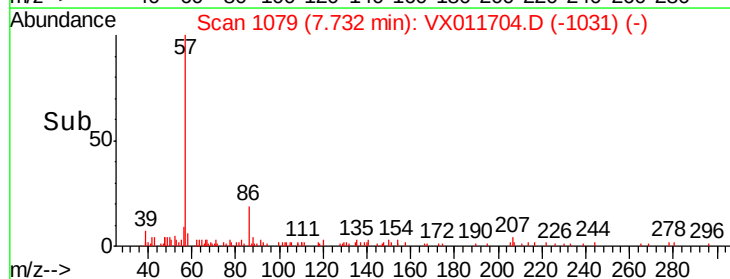
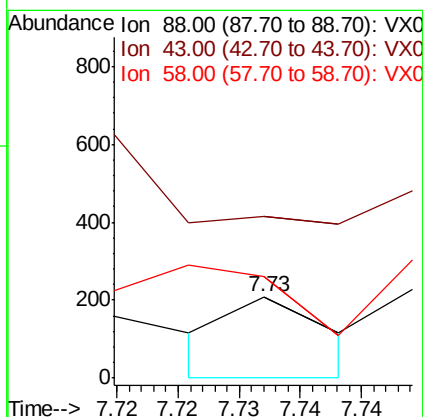
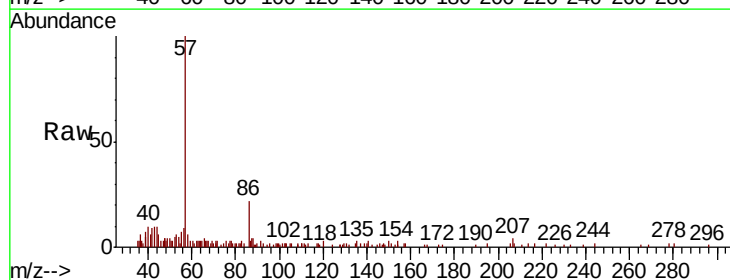
Instrument :
MSVOA_X
ClientSampled :
T6-D-(0)

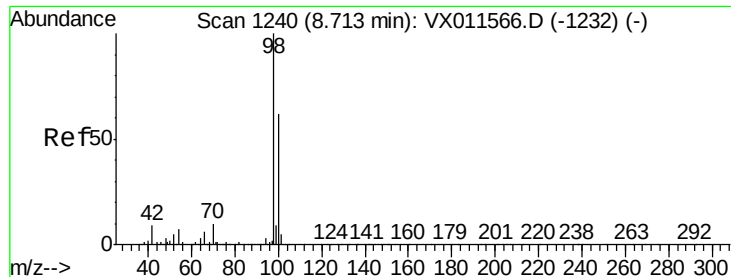
Tgt Ion: 41 Resp: 4116
Ion Ratio Lower Upper
41 100
69 4.3 67.9 101.9#
39 0.0 41.6 62.4#



#49
1,4-Dioxane
Concen: 1.104 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

Tgt Ion: 88 Resp: 119
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.0#
58 0.0 54.3 81.5#





#50

Toluene-d8

Concen: 53.589 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampleId :

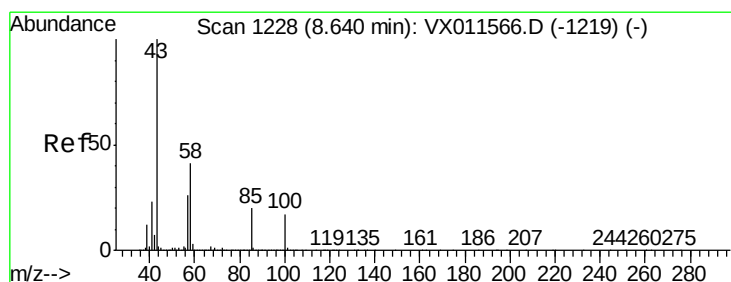
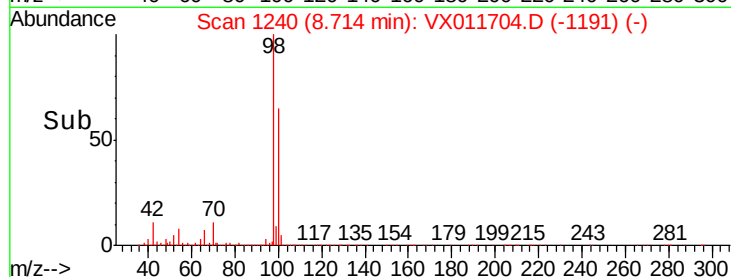
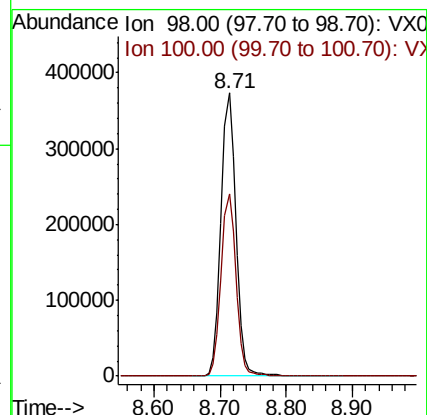
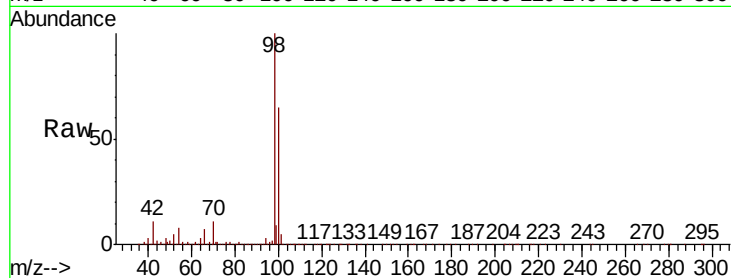
T6-D-(0)

Tgt Ion: 98 Resp: 582181

Ion Ratio Lower Upper

98 100

100 64.3 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 9.922 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. -0.03 min

Lab File: VX011704.D

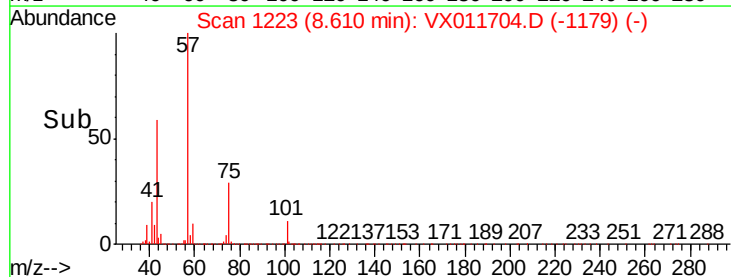
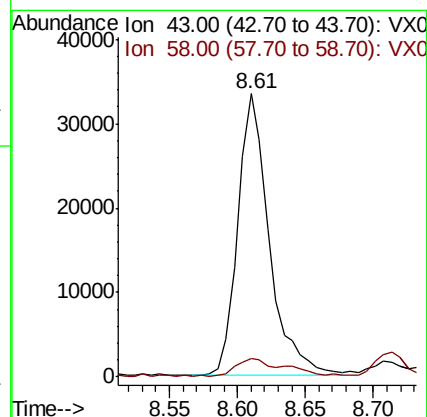
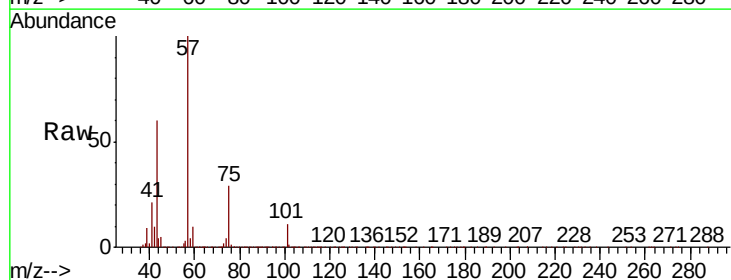
Acq: 20 Aug 2019 23:38

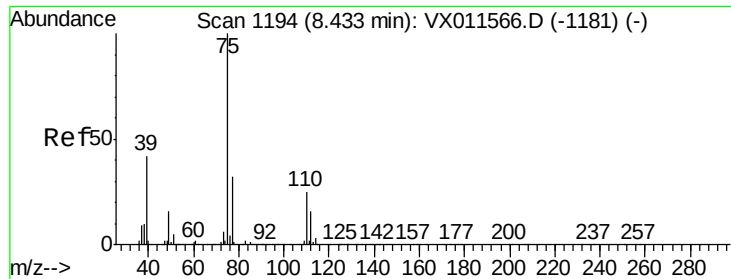
Tgt Ion: 43 Resp: 53131

Ion Ratio Lower Upper

43 100

58 10.9 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 4.700 ug/l

RT: 8.61 min Scan# 1223

Delta R.T. 0.18 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(0)

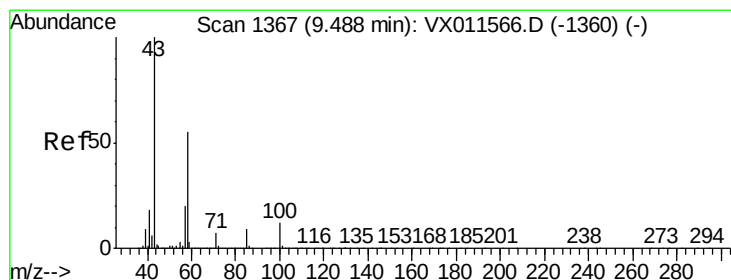
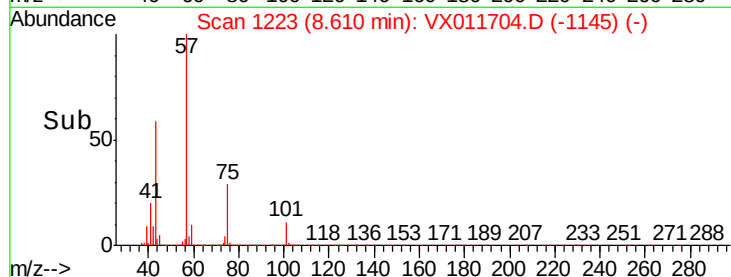
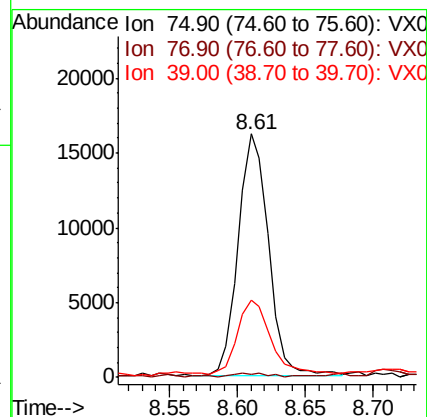
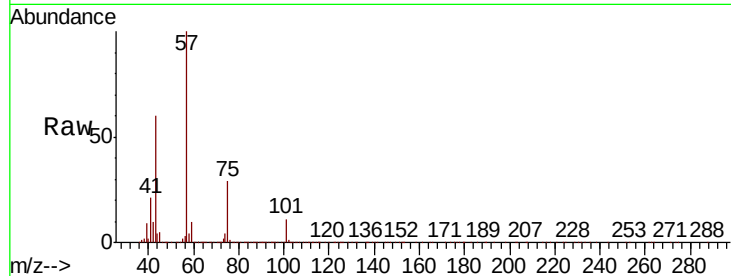
Tgt Ion: 75 Resp: 25161

Ion Ratio Lower Upper

75 100

77 1.2 25.5 38.3#

39 30.1 33.6 50.4#



#59

2-Hexanone

Concen: 13.147 ug/l

RT: 9.54 min Scan# 1375

Delta R.T. 0.05 min

Lab File: VX011704.D

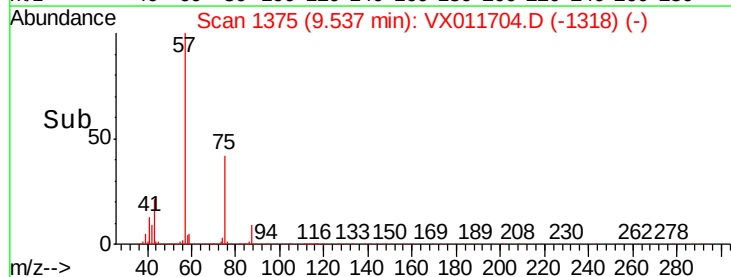
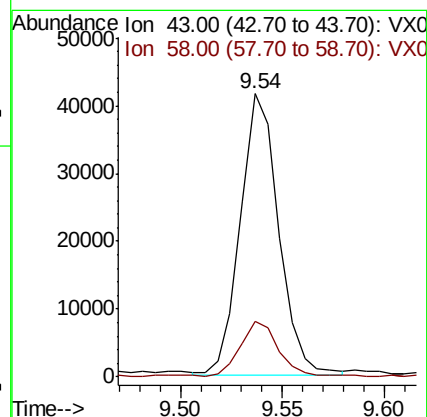
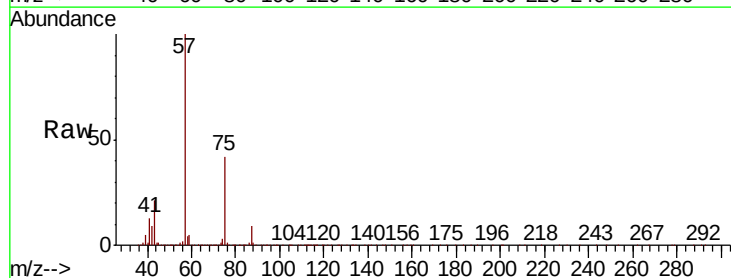
Acq: 20 Aug 2019 23:38

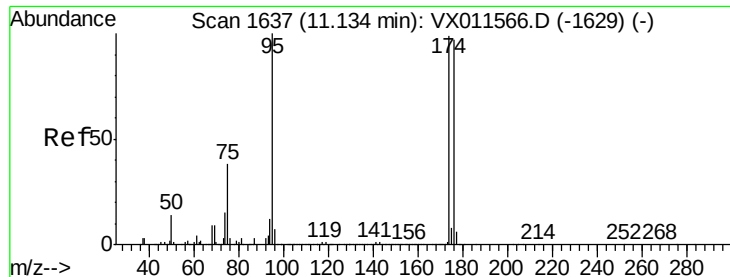
Tgt Ion: 43 Resp: 54289

Ion Ratio Lower Upper

43 100

58 20.3 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 44.641 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(0)

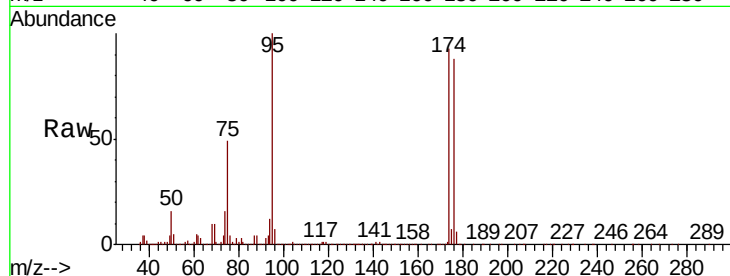
Tgt Ion: 95 Resp: 204696

Ion Ratio Lower Upper

95 100

174 95.5 0.0 200.6

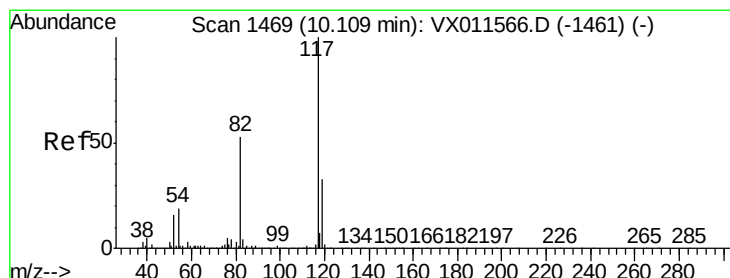
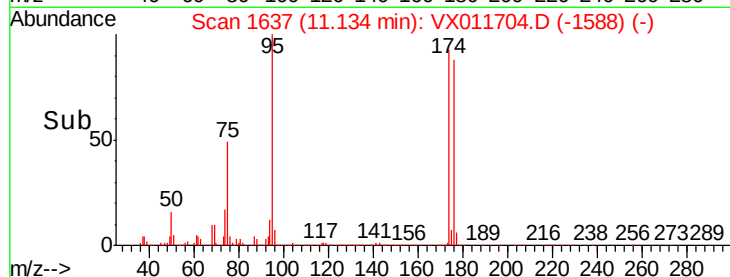
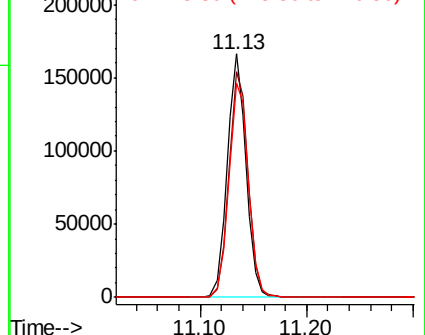
176 91.8 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

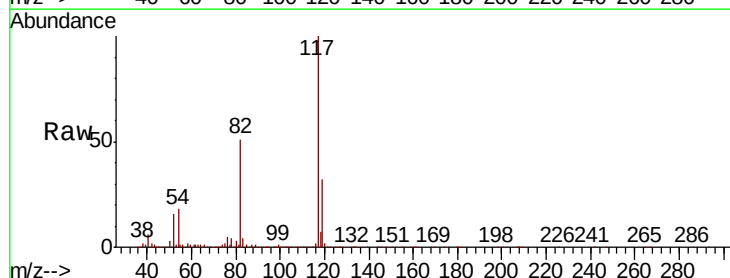
Tgt Ion: 117 Resp: 485181

Ion Ratio Lower Upper

117 100

82 51.2 42.0 63.0

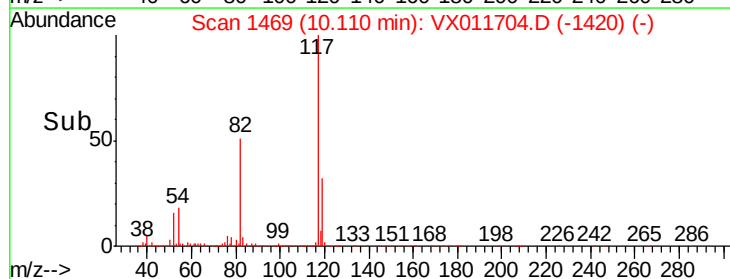
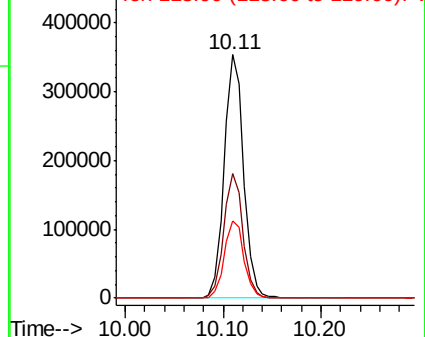
119 31.8 26.5 39.7

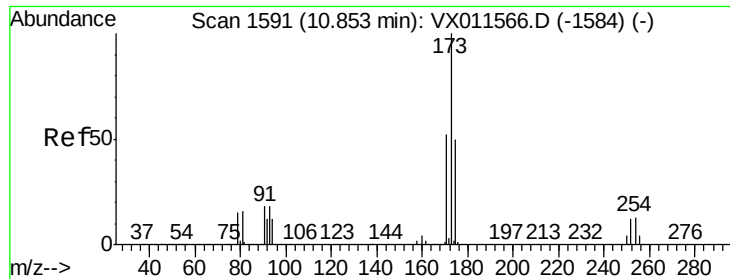


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

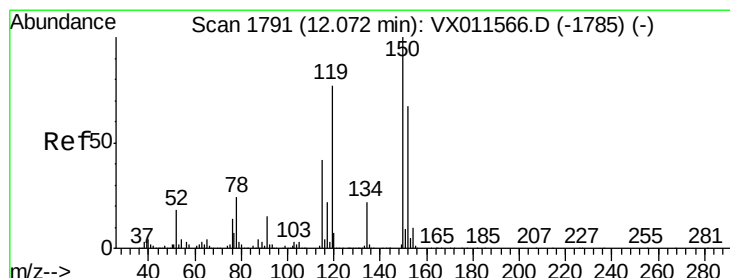
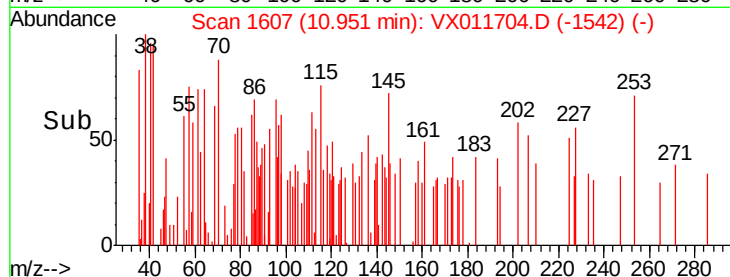
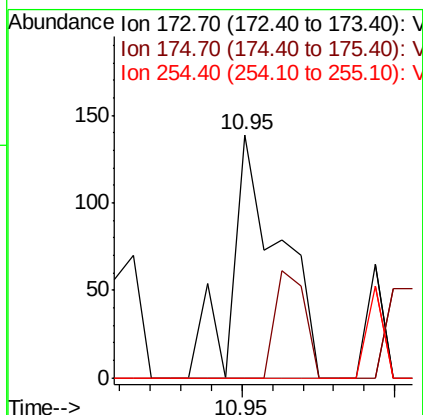
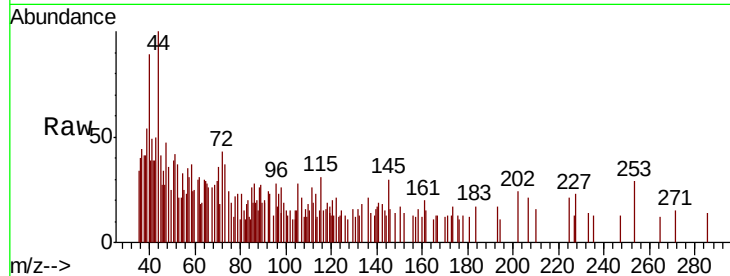




#71
Bromoform
Concen: 3.329 ug/l
RT: 10.95 min Scan# 1607
Delta R.T. 0.10 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

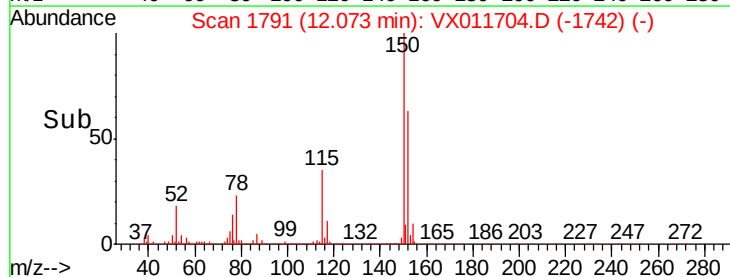
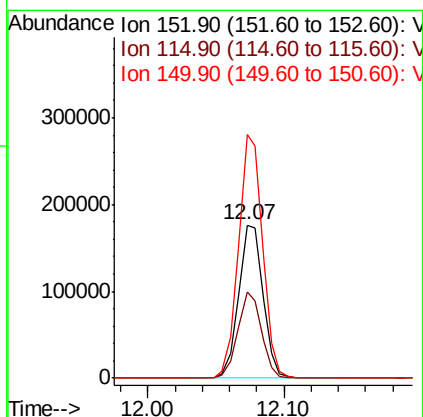
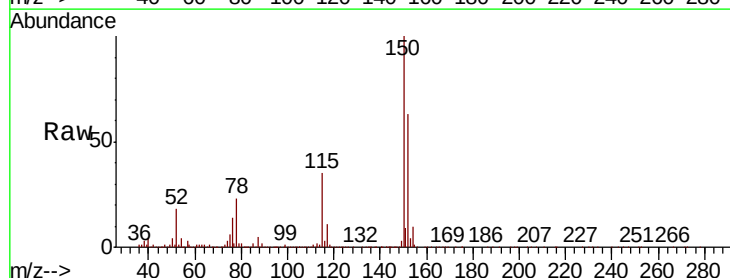
Instrument :
MSVOA_X
ClientSampled :
T6-D-(0)

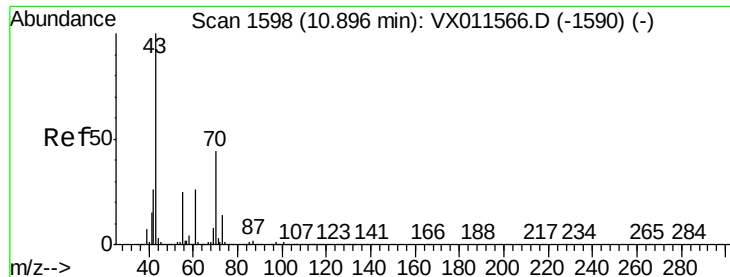
Tgt Ion:173 Resp: 152
Ion Ratio Lower Upper
173 100
175 0.0 24.9 74.7#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011704.D
Acq: 20 Aug 2019 23:38

Tgt Ion:152 Resp: 219173
Ion Ratio Lower Upper
152 100
115 54.7 37.3 111.9
150 157.0 0.0 346.2





#74

N-amyI acetate

Concen: 0.433 ug/l

RT: 10.82 min Scan# 1586

Delta R.T. -0.07 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

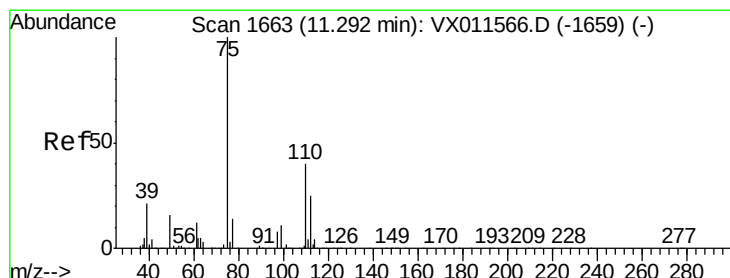
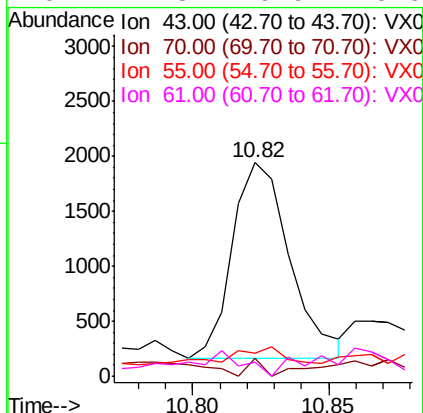
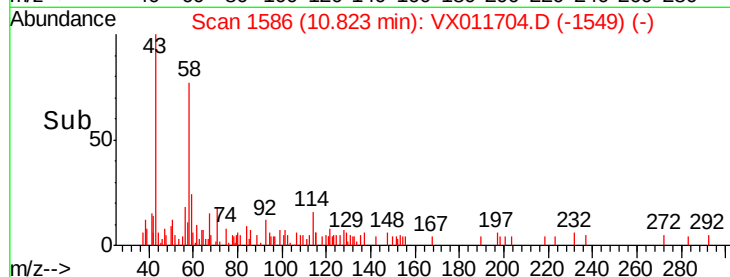
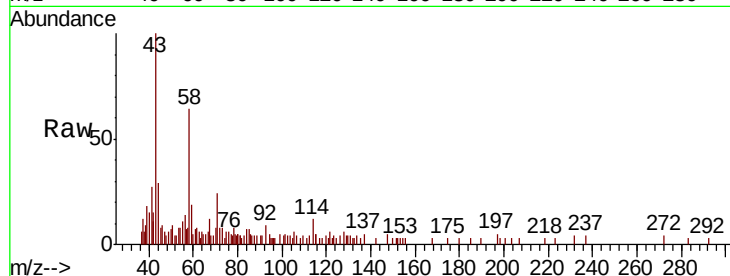
Instrument :

MSVOA_X

ClientSampleId :

T6-D-(0)

Tgt Ion:	43	Resp:	2618
Ion	Ratio	Lower	Upper
43	100		
70	2.2	34.7	52.1#
55	7.6	19.6	29.4#
61	12.8	19.9	29.9#



#76

1,2,3-Trichloropropane

Concen: 24.227 ug/l

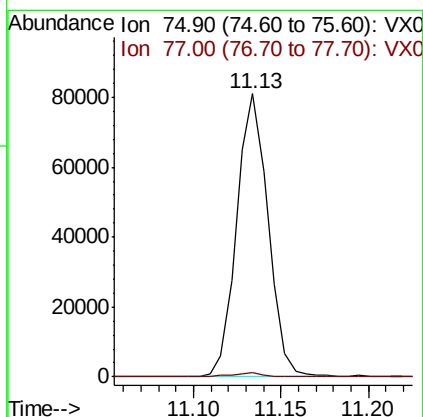
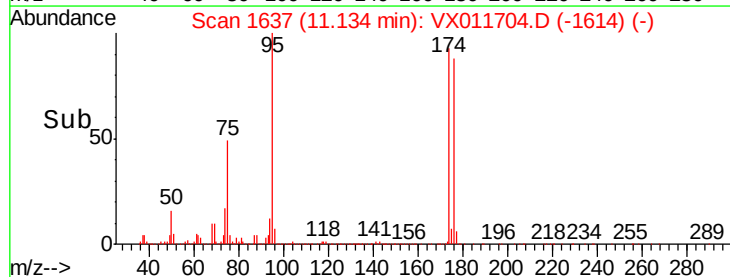
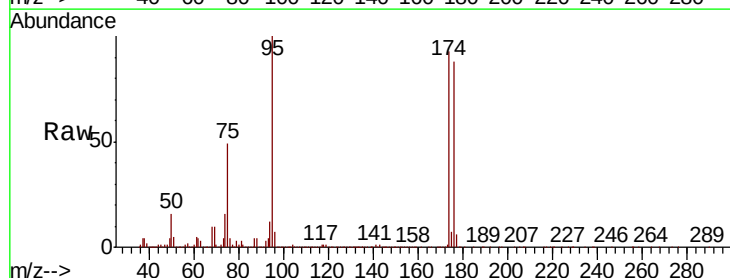
RT: 11.13 min Scan# 1637

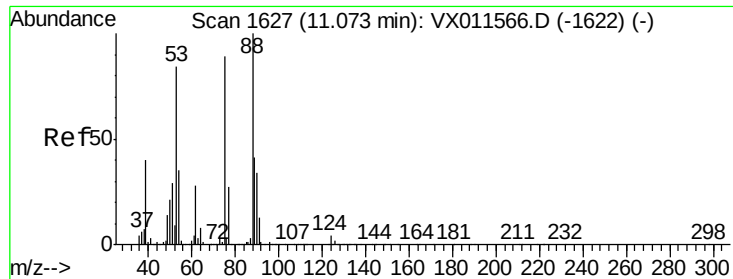
Delta R.T. -0.16 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Tgt Ion:	75	Resp:	100688
Ion	Ratio	Lower	Upper
75	100		
77	1.6	20.9	62.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.227 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011704.D

Acq: 20 Aug 2019 23:38

Instrument :

MSVOA_X

ClientSampleId :

T6-D-(0)

Tgt Ion: 75 Resp: 100688

Ion Ratio Lower Upper

75 100

53 0.3 77.4 116.0#

89 0.4 37.3 55.9#

