

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022519\
 Data File : VX007701.D
 Acq On : 26 Feb 2019 07:47
 Operator : JC/SP
 Sample : K1603-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

Quant Time: Feb 26 11:36:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	330372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	567854	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	538054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	245739	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	204679	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	5.50	113	187012	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
50) Toluene-d8	8.71	98	692729	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
62) 4-Bromofluorobenzene	11.13	95	242304	45.43	ug/l	0.00
Spiked Amount			Recovery	=	90.86%	

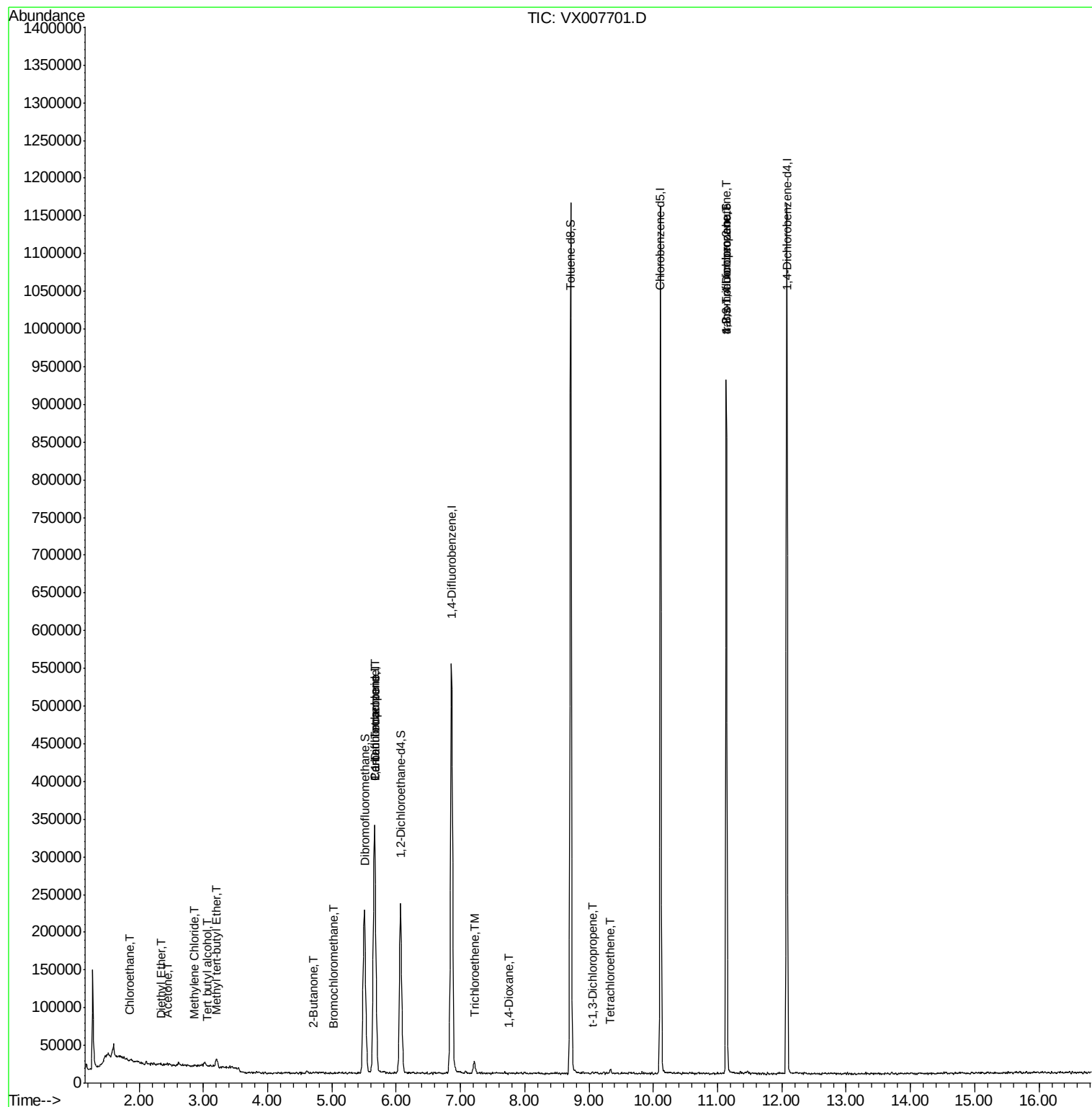
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	404	Below Cal	#	58
6) Chloroethane	1.85	64	1056	0.478	ug/l #	43
8) Diethyl Ether	2.34	74	464	0.213	ug/l	73
11) Tert butyl alcohol	3.06	59	555	0.715	ug/l #	40
16) Acetone	2.45	43	3649	2.005	ug/l #	87
19) Methyl tert-butyl Ether	3.21	73	12158	1.208	ug/l	97
20) Methylene Chloride	2.87	84	839	0.250	ug/l #	43
25) 2-Butanone	4.71	43	1265	0.456	ug/l	90
28) Bromochloromethane	5.03	49	909	0.309	ug/l #	17
36) 1,1-Dichloropropene	5.67	75	23484	4.600	ug/l #	49
38) Carbon Tetrachloride	5.66	117	32303	6.299	ug/l #	18
44) Trichloroethene	7.21	130	7048	1.626	ug/l	87
49) 1,4-Dioxane	7.76	88	414	4.190	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	266	2.844	ug/l	92
64) Tetrachloroethene	9.33	164	944	0.216	ug/l #	79
76) 1,2,3-Trichloropropane	11.13	75	115339	22.019	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	115339	58.464	ug/l #	9

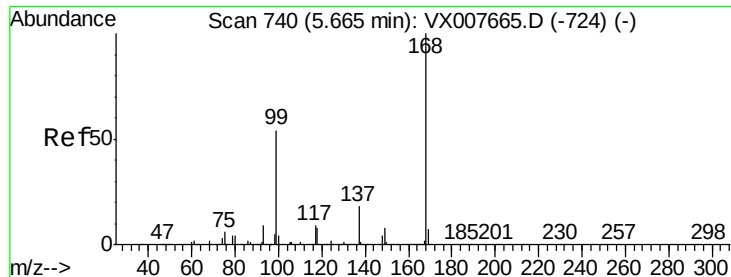
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007701.D

Acq: 26 Feb 2019 07:47

Instrument :

MSVOA_X

ClientSampleId :

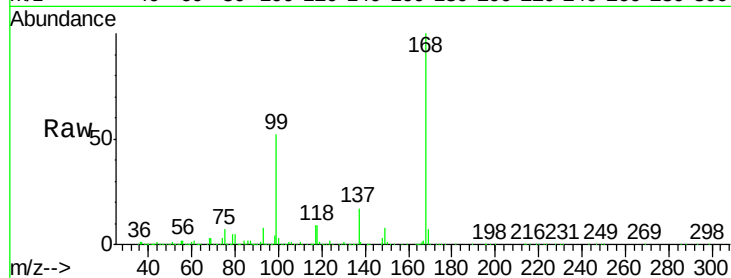
M2-T0-UV(PRE)

Tgt Ion:168 Resp: 330372

Ion Ratio Lower Upper

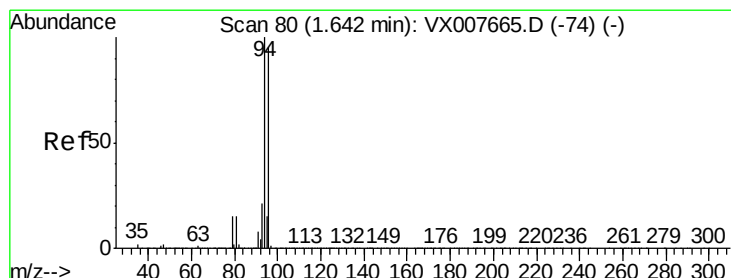
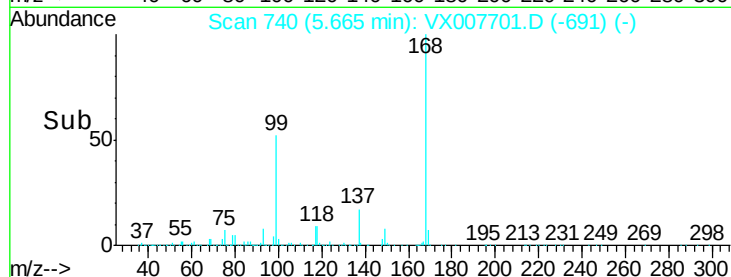
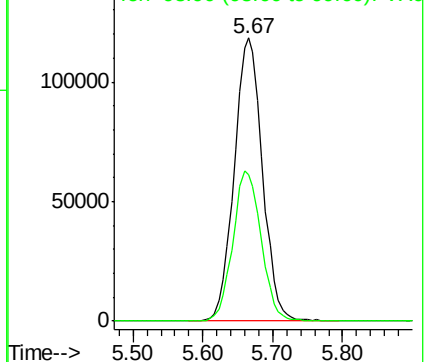
168 100

99 51.5 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007701.D

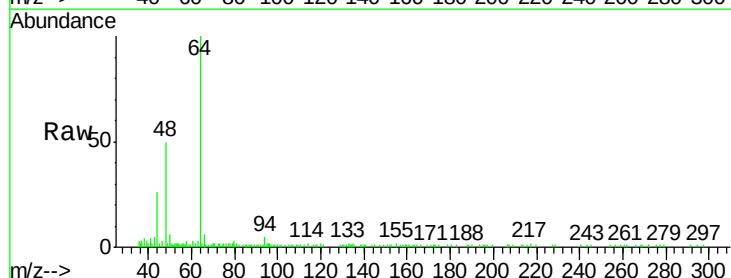
Acq: 26 Feb 2019 07:47

Tgt Ion: 94 Resp: 404

Ion Ratio Lower Upper

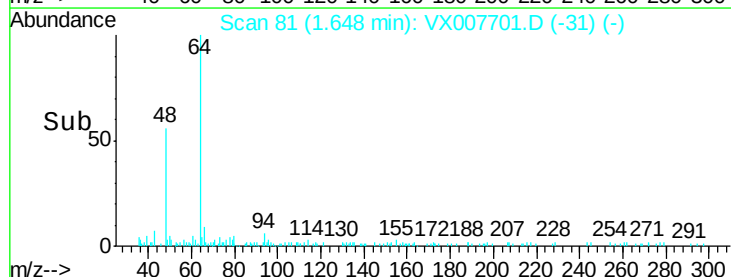
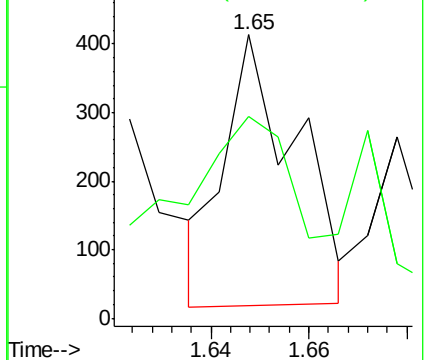
94 100

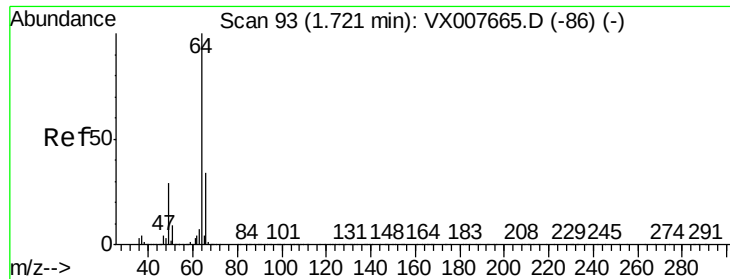
96 52.3 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.478 ug/l

RT: 1.85 min Scan# 115

Delta R.T. 0.13 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

Instrument :

MSVOA_X

ClientSampleId :

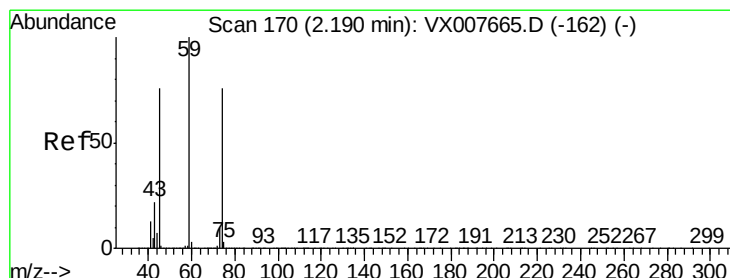
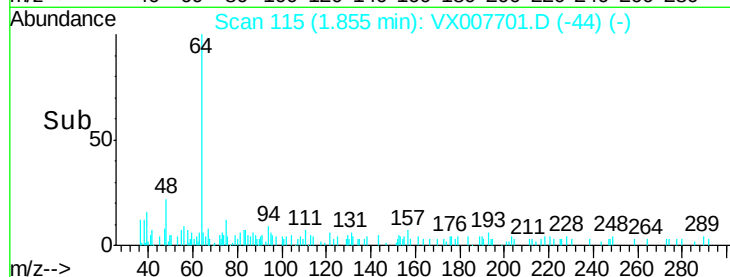
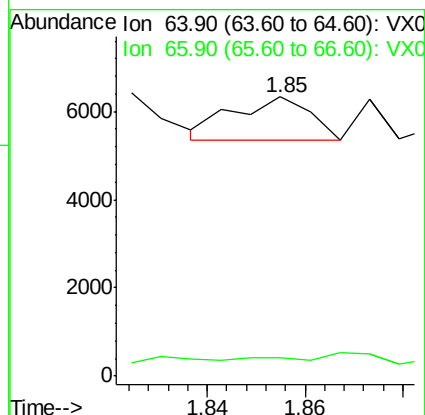
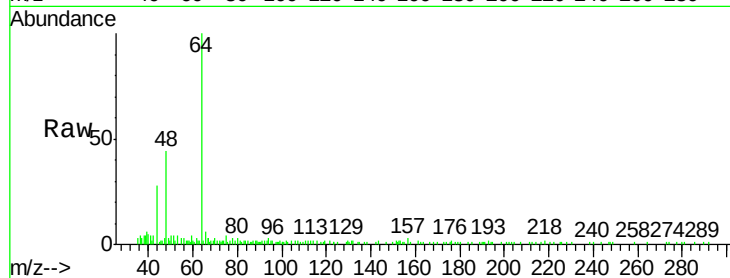
M2-T0-UV(PRE)

Tgt Ion: 64 Resp: 1056

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: 0.213 ug/l

RT: 2.34 min Scan# 195

Delta R.T. 0.15 min

Lab File: VX007701.D

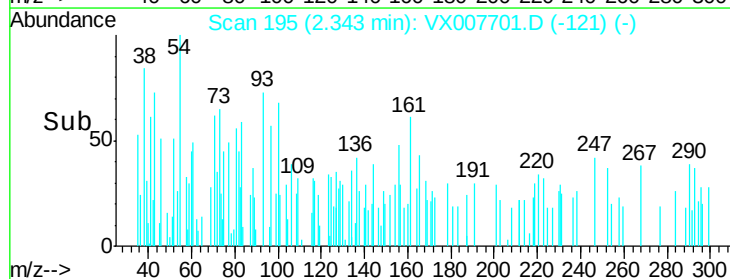
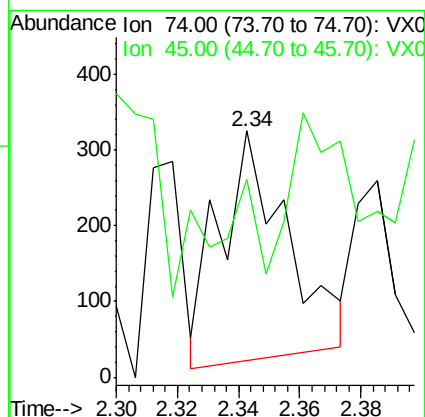
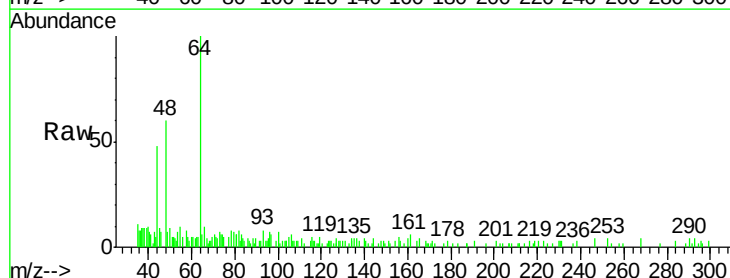
Acq: 26 Feb 2019 07:47

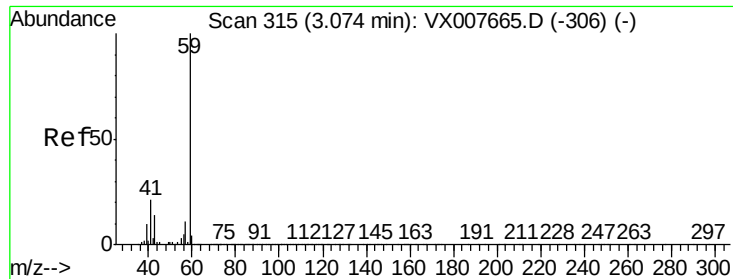
Tgt Ion: 74 Resp: 464

Ion Ratio Lower Upper

74 100

45 65.7 45.7 137.1



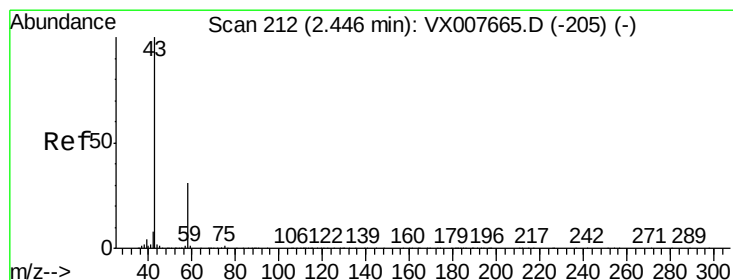
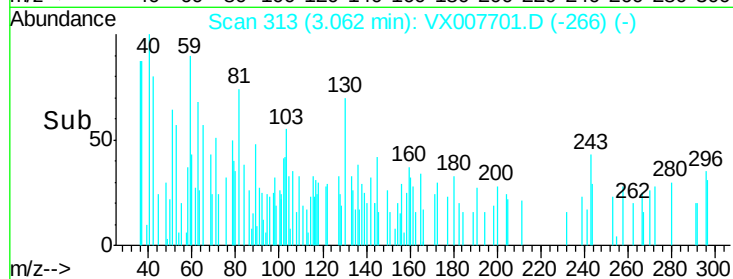
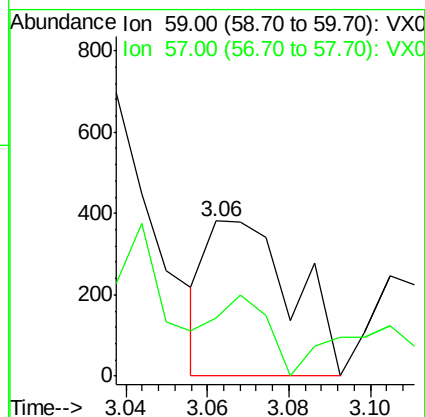
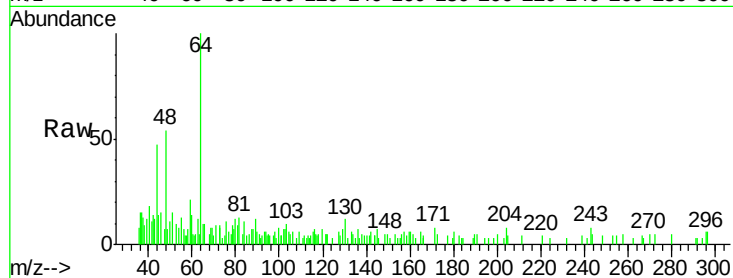


#11

Tert butyl alcohol
 Concen: 0.715 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

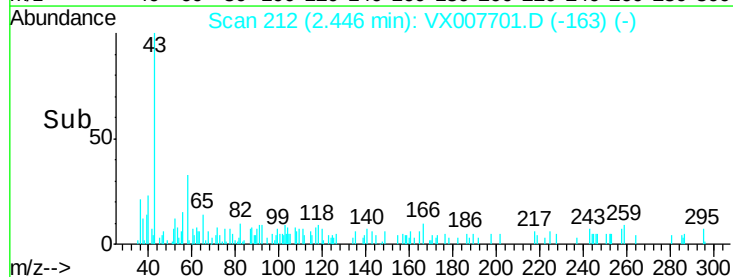
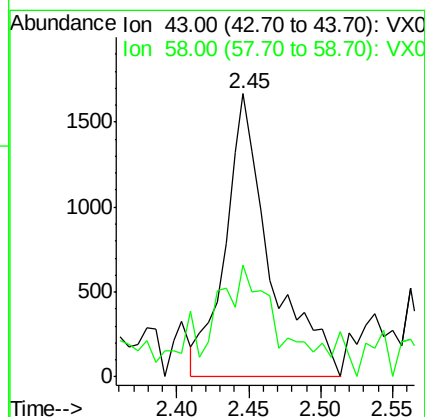
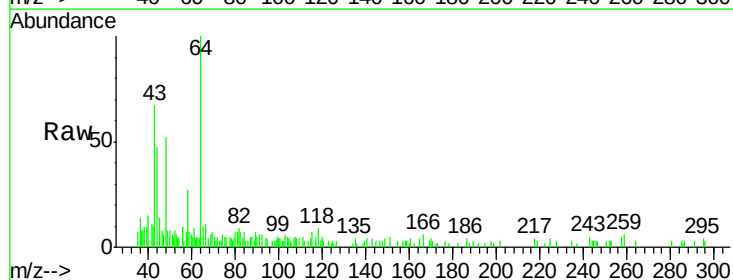
Tgt Ion: 59 Resp: 555
 Ion Ratio Lower Upper
 59 100
 57 32.3 8.1 12.1#

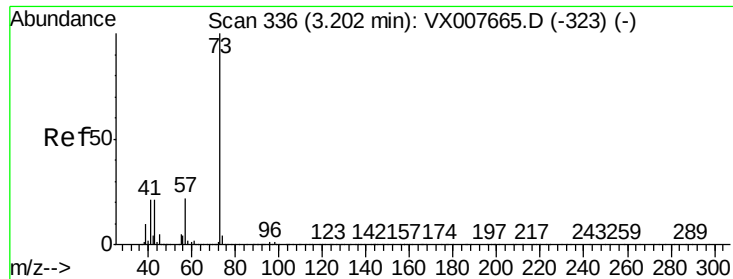


#16

Acetone
 Concen: 2.005 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

Tgt Ion: 43 Resp: 3649
 Ion Ratio Lower Upper
 43 100
 58 23.7 24.9 37.3#



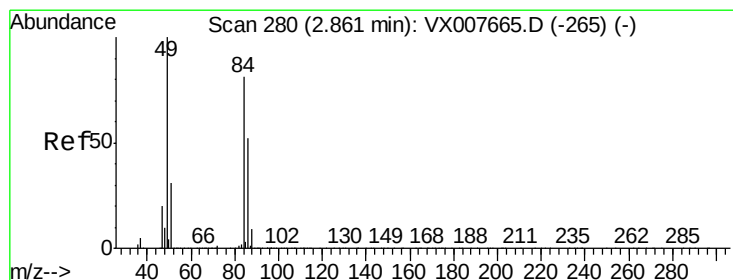
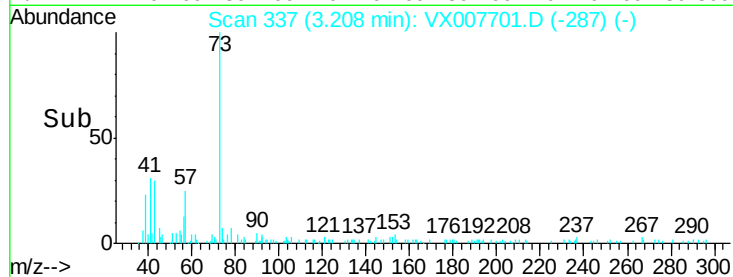
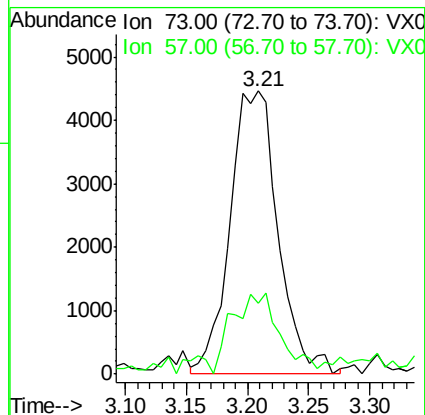
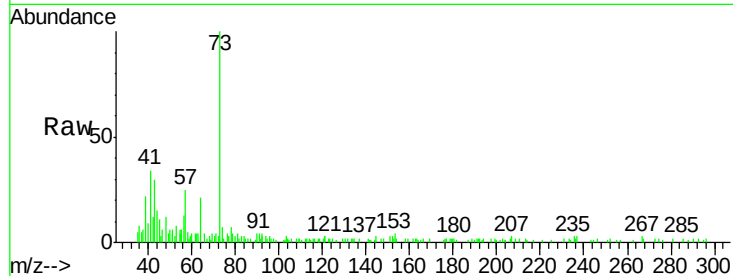


#19

Methyl tert-butyl Ether
 Concen: 1.208 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

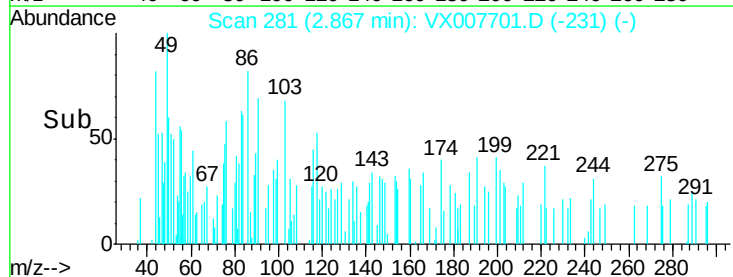
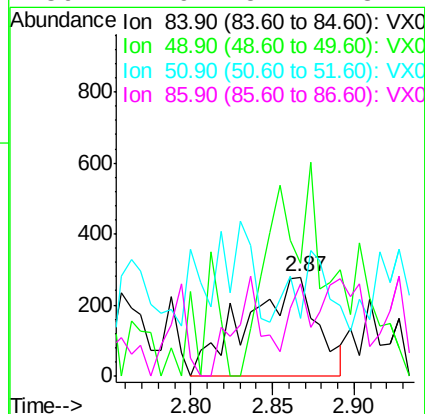
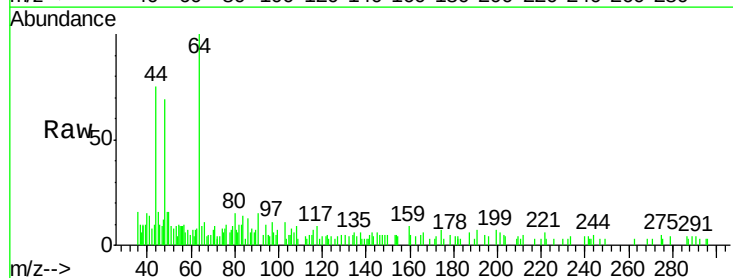
Tgt Ion: 73 Resp: 12158
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.8 26.8

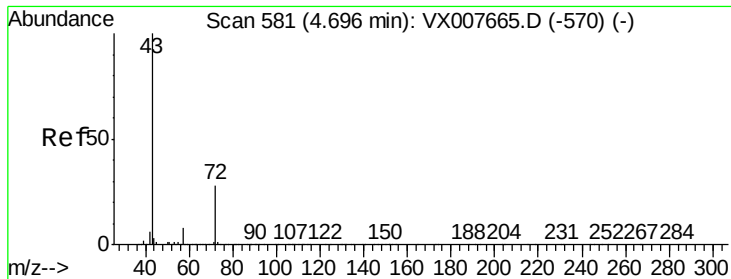


#20

Methylene Chloride
 Concen: 0.250 ug/l
 RT: 2.87 min Scan# 281
 Delta R.T. 0.01 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

Tgt Ion: 84 Resp: 839
 Ion Ratio Lower Upper
 84 100
 49 28.0 94.8 142.2#
 51 0.0 29.8 44.8#
 86 74.9 54.1 81.1





#25

2-Butanone

Concen: 0.456 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

Instrument :

MSVOA_X

ClientSampled :

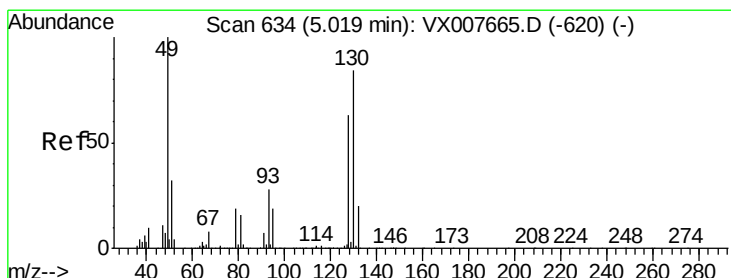
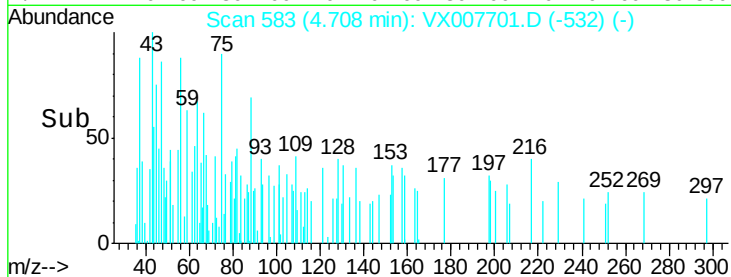
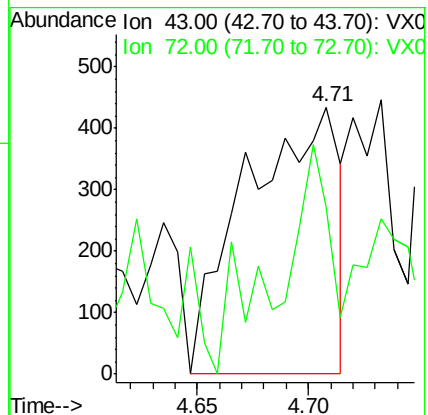
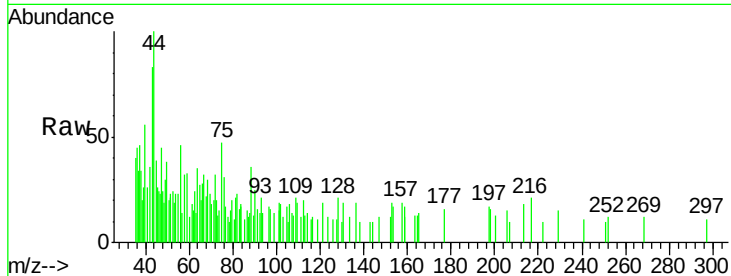
M2-T0-UV(PRE)

Tgt Ion: 43 Resp: 1265

Ion Ratio Lower Upper

43 100

72 22.3 22.2 33.2



#28

Bromochloromethane

Concen: 0.309 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

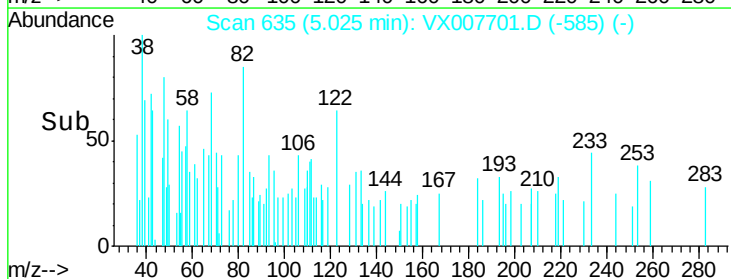
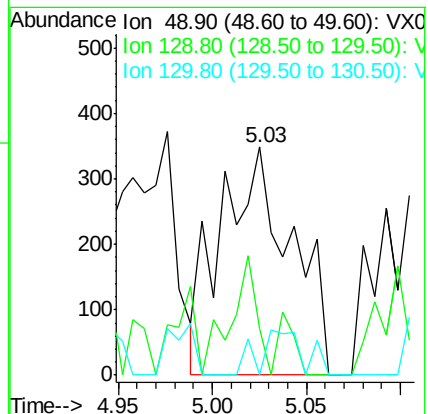
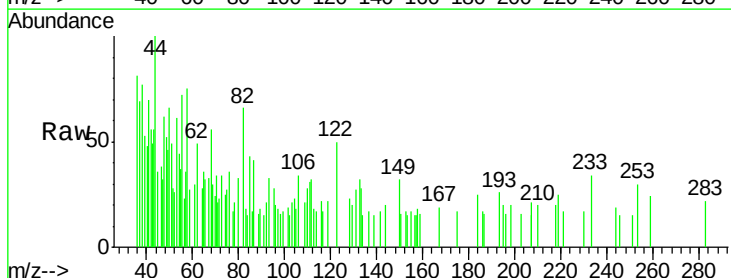
Tgt Ion: 49 Resp: 909

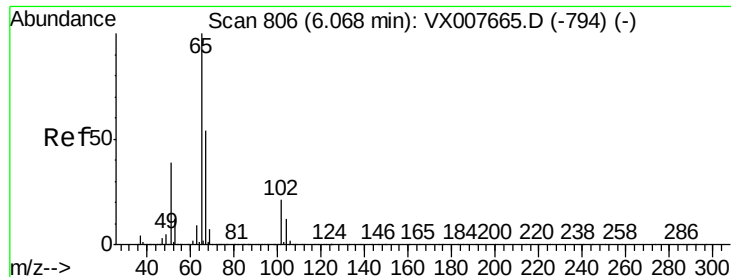
Ion Ratio Lower Upper

49 100

129 6.3 0.0 5.6#

130 12.3 75.6 113.4#

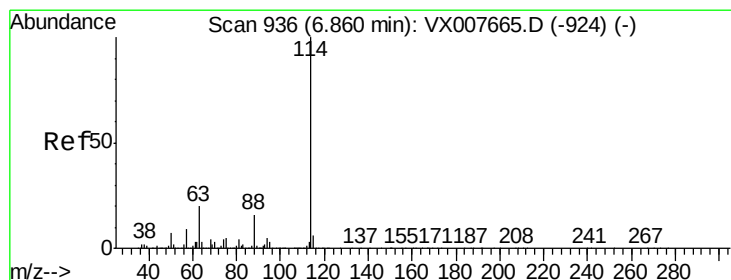
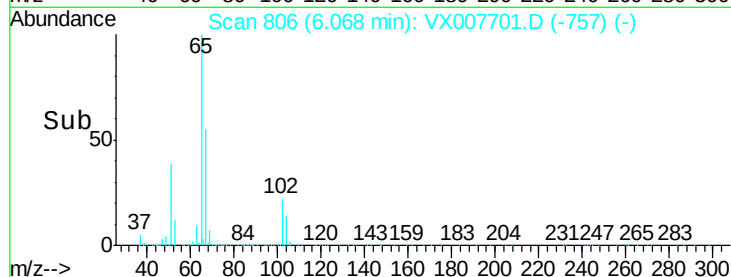
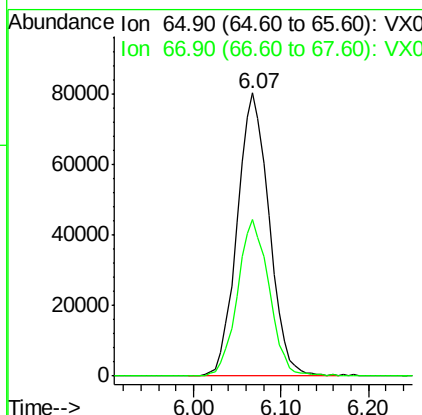
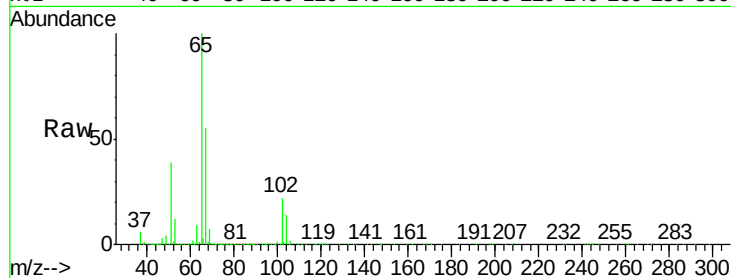




#33
 1,2-Dichloroethane-d4
 Concen: 50.016 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

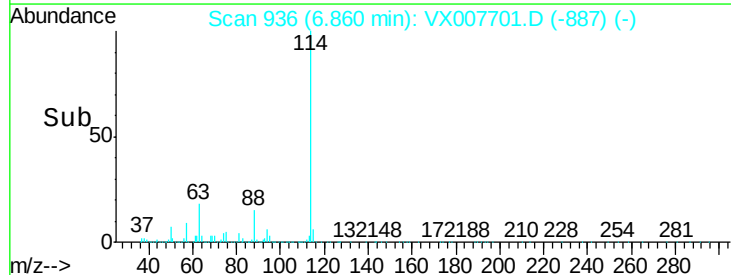
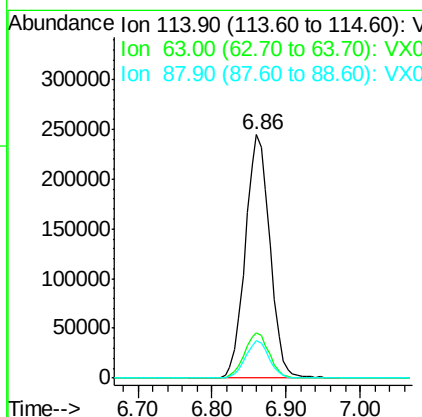
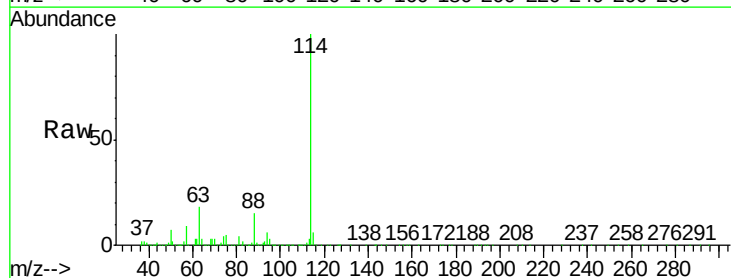
Instrument :
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 M2-T0-UV(PRE)

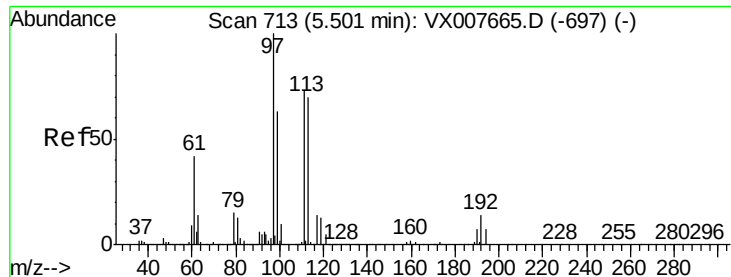
Tgt Ion: 65 Resp: 204679
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

Tgt Ion: 114 Resp: 567854
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 15.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.266 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

Instrument :

MSVOA_X

ClientSampleId :

M2-T0-UV(PRE)

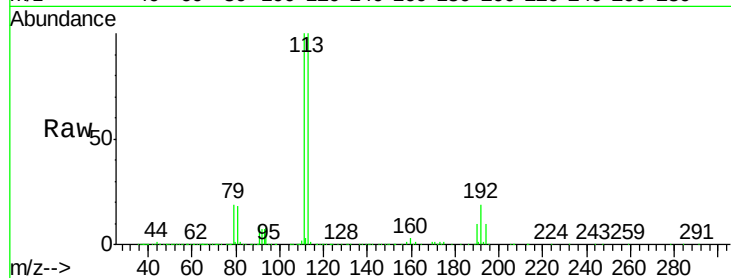
Tgt Ion: 113 Resp: 187012

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

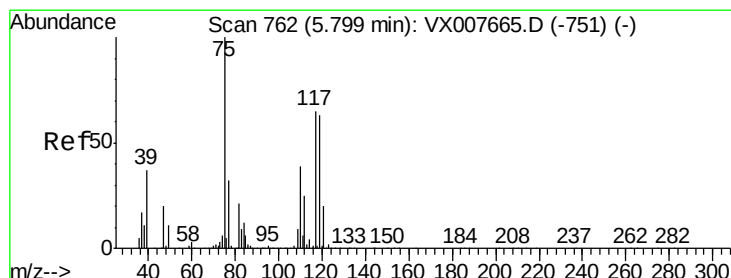
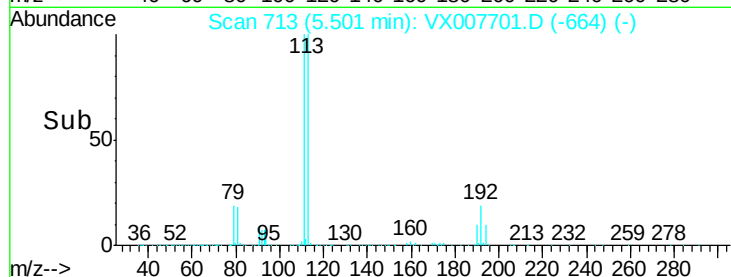
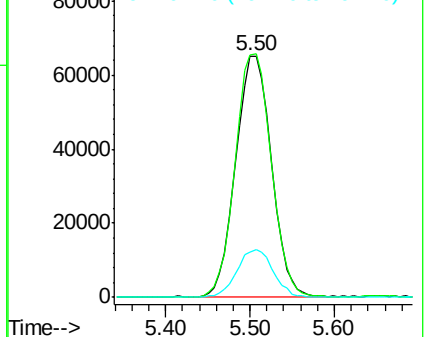
192 20.0 18.5 27.7



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: 4.600 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

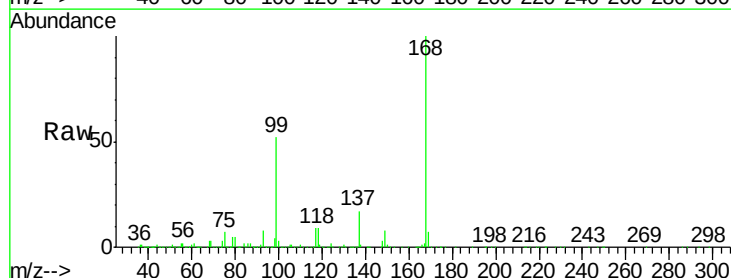
Tgt Ion: 75 Resp: 23484

Ion Ratio Lower Upper

75 100

110 10.6 20.0 59.9#

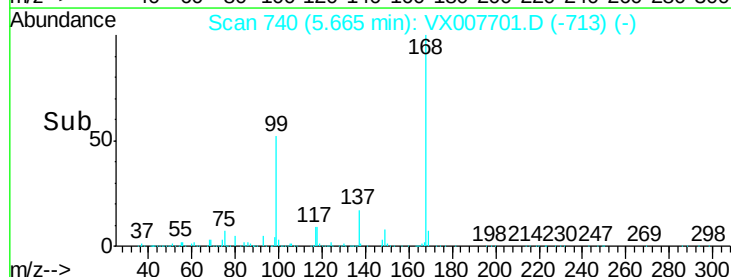
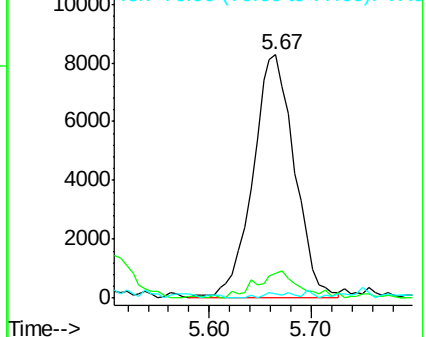
77 1.0 24.7 37.1#

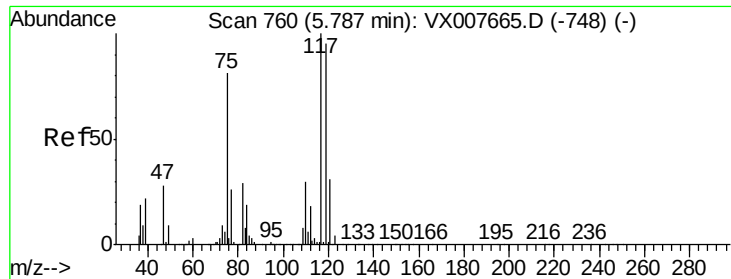


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

Instrument :

MSVOA_X

ClientSampleId :

M2-T0-UV(PRE)

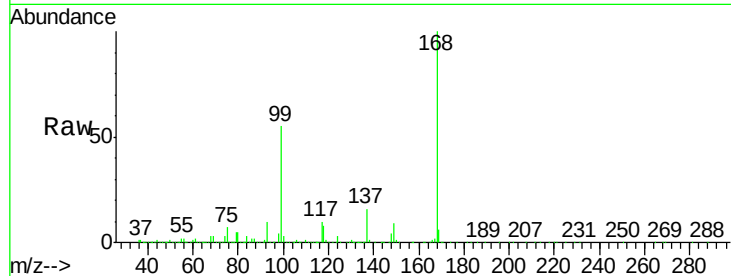
Tgt Ion:117 Resp: 32303

Ion Ratio Lower Upper

117 100

119 6.3 75.3 112.9#

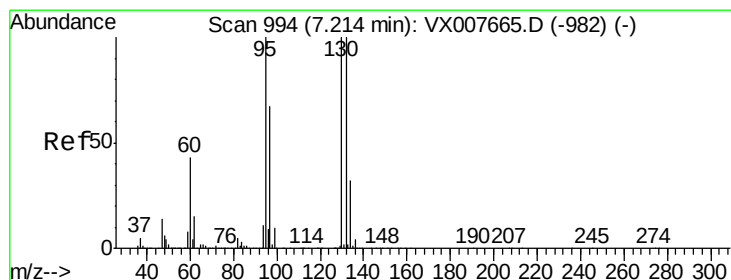
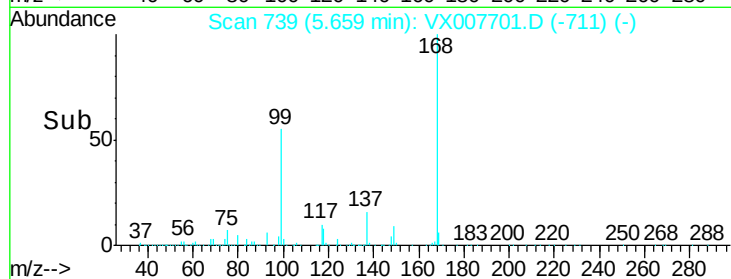
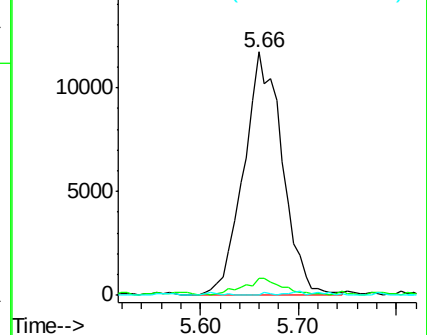
121 0.0 25.0 37.4#



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



#44

Trichloroethene

Concen: 1.626 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007701.D

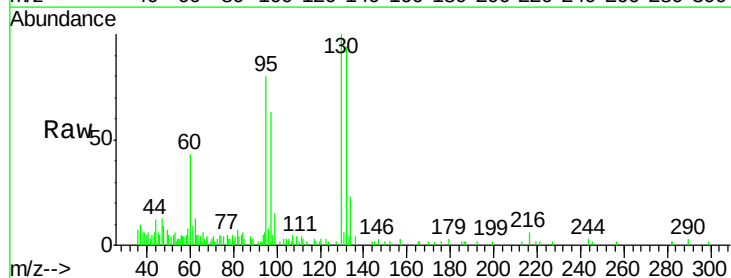
Acq: 26 Feb 2019 07:47

Tgt Ion:130 Resp: 7048

Ion Ratio Lower Upper

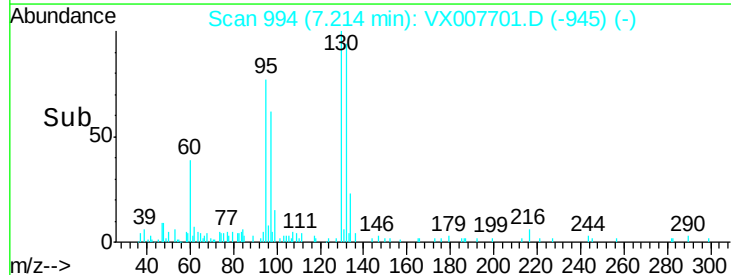
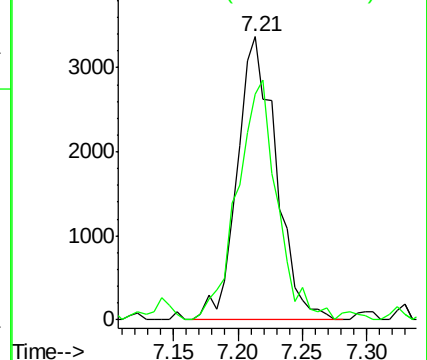
130 100

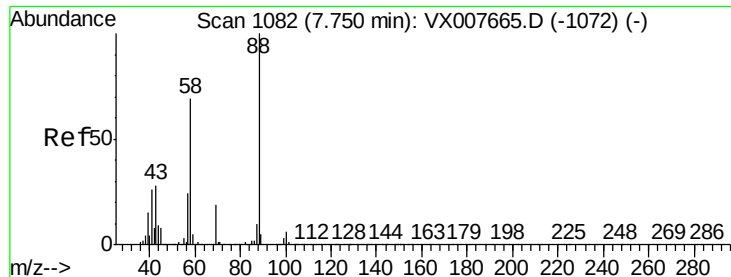
95 77.4 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

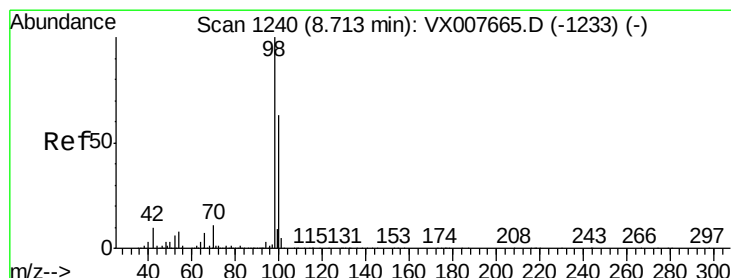
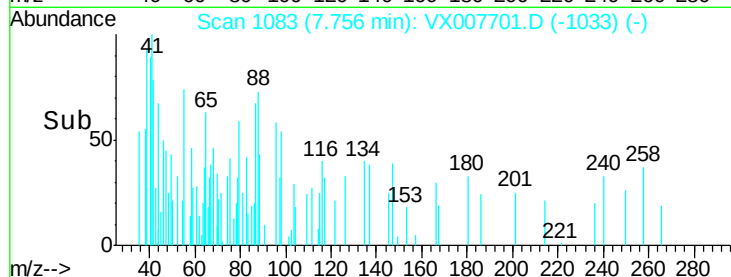
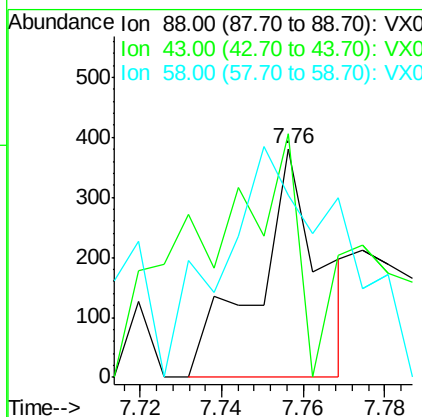
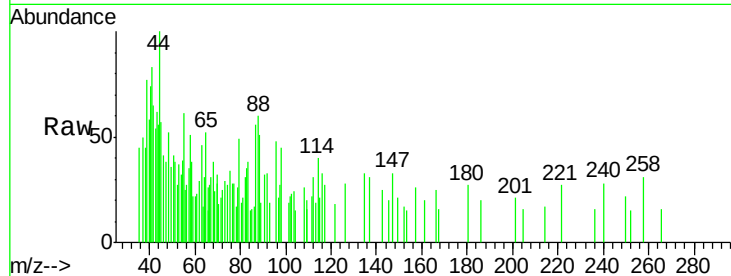




#49
1,4-Dioxane
Concen: 4.190 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.01 min
Lab File: VX007701.D
Acq: 26 Feb 2019 07:47

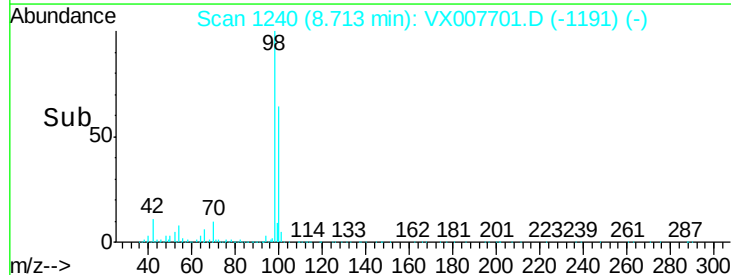
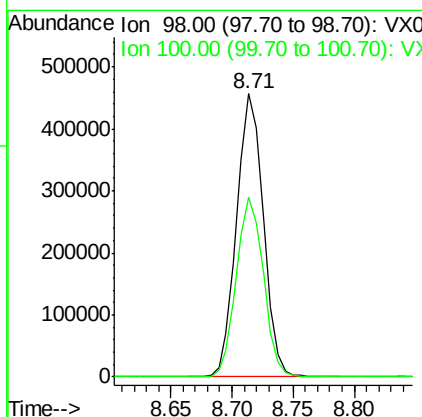
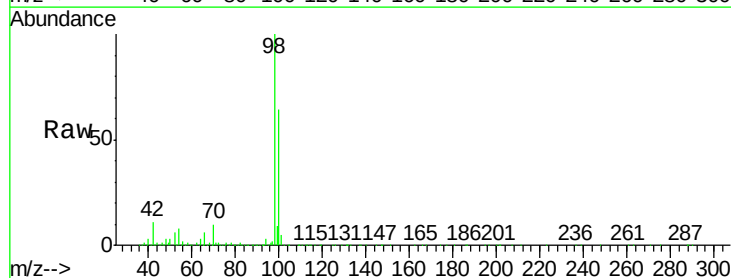
Instrument :
MSVOA_X
ClientSampled :
M2-T0-UV(PRE)

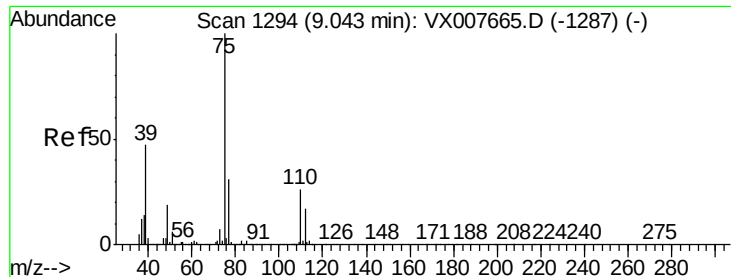
Tgt Ion: 88 Resp: 414
Ion Ratio Lower Upper
88 100
43 157.0 24.2 36.4#
58 187.0 53.0 79.4#



#50
Toluene-d8
Concen: 47.668 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007701.D
Acq: 26 Feb 2019 07:47

Tgt Ion: 98 Resp: 692729
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

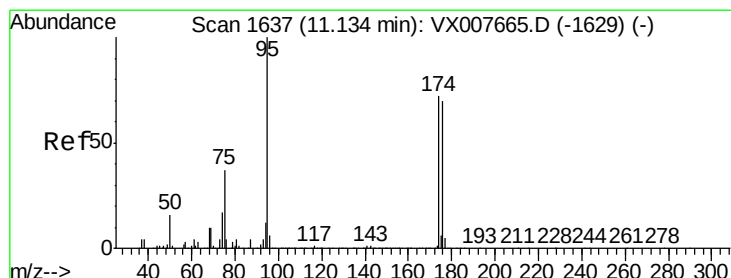
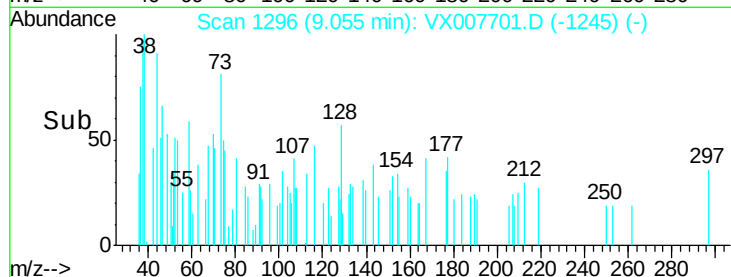
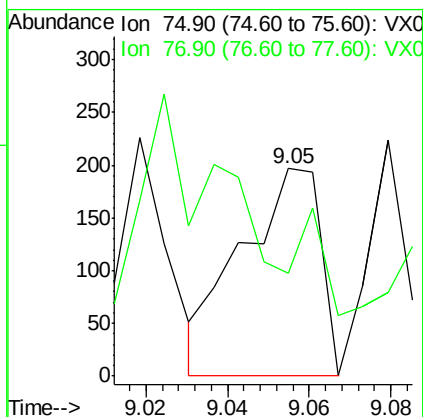
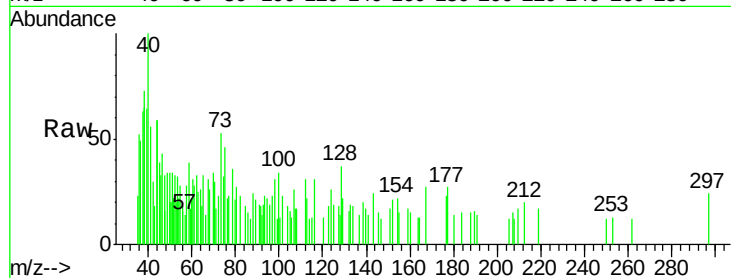




#53
t-1,3-Dichloropropene
Concen: 2.844 ug/l
RT: 9.05 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VX007701.D
Acq: 26 Feb 2019 07:47

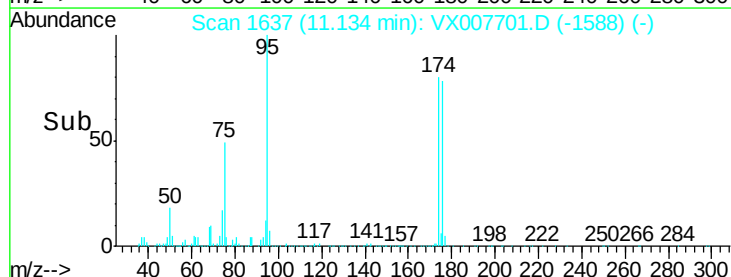
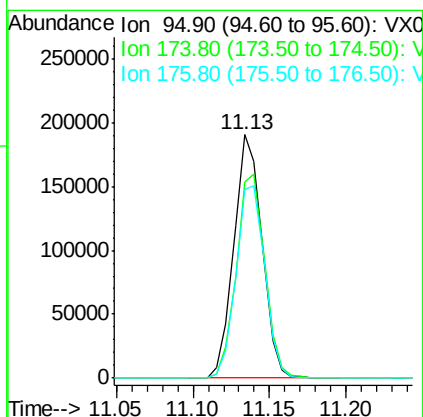
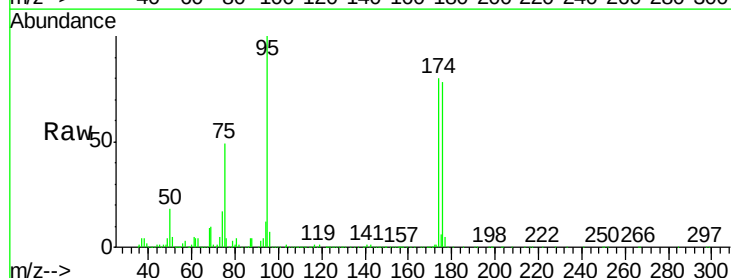
Instrument :
MSVOA_X
ClientSampleId :
M2-T0-UV(PRE)

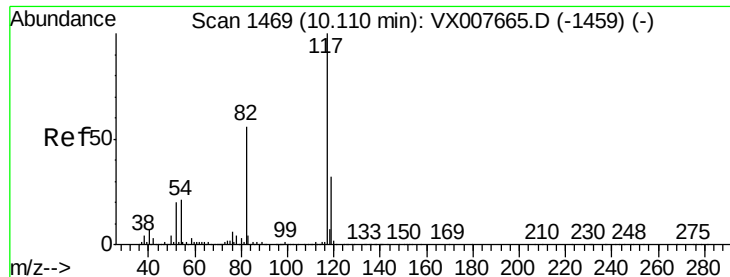
Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
77 26.9 25.2 37.8



#62
4-Bromofluorobenzene
Concen: 45.428 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007701.D
Acq: 26 Feb 2019 07:47

Tgt Ion: 95 Resp: 242304
Ion Ratio Lower Upper
95 100
174 85.4 0.0 189.2
176 81.3 0.0 186.2

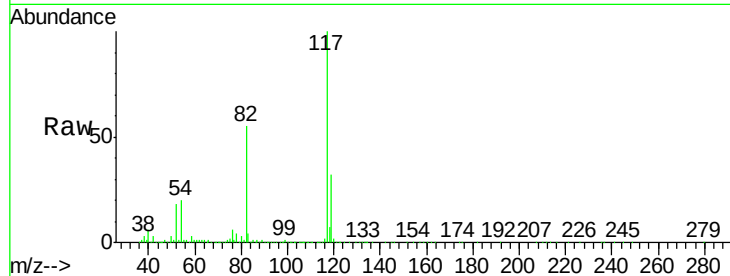




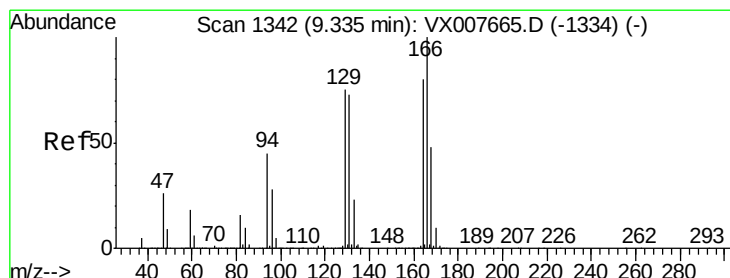
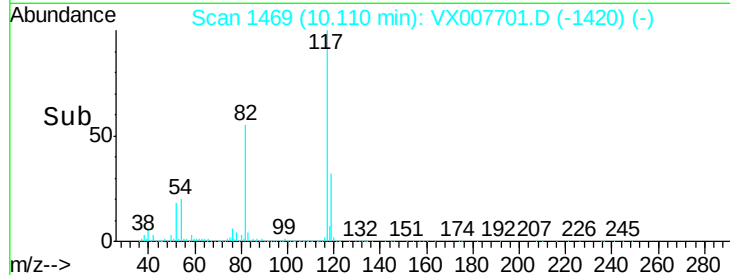
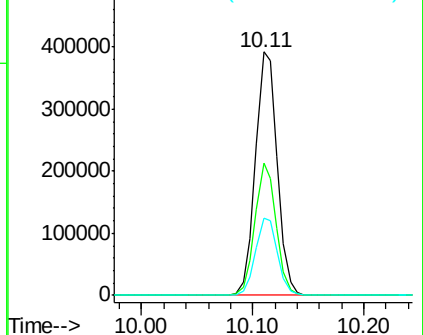
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007701.D
Acq: 26 Feb 2019 07:47

Instrument :
MSVOA_X
ClientSampleId :
M2-T0-UV(PRE)

Tgt Ion:117 Resp: 538054
Ion Ratio Lower Upper
117 100
82 54.5 42.1 63.1
119 31.8 26.5 39.7

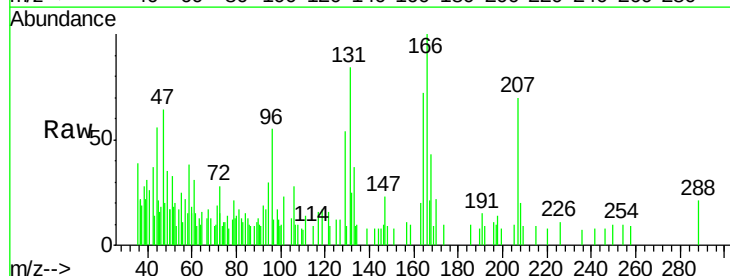


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

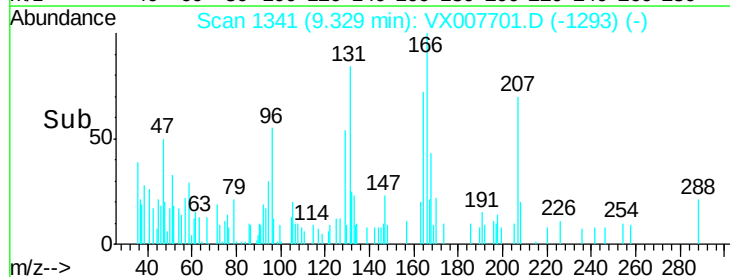
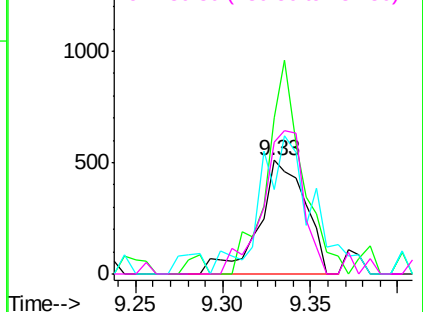


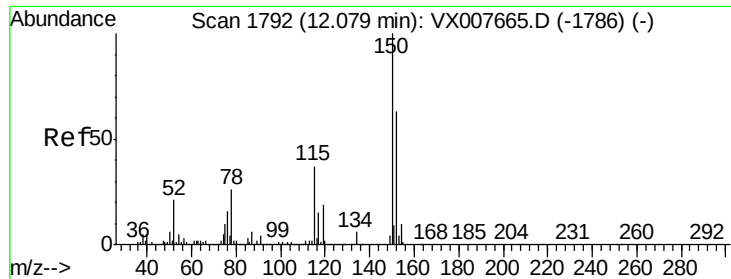
#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007701.D
Acq: 26 Feb 2019 07:47

Tgt Ion:164 Resp: 944
Ion Ratio Lower Upper
164 100
166 126.1 101.0 151.4
129 49.5 70.5 105.7#
131 116.1 69.8 104.6#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

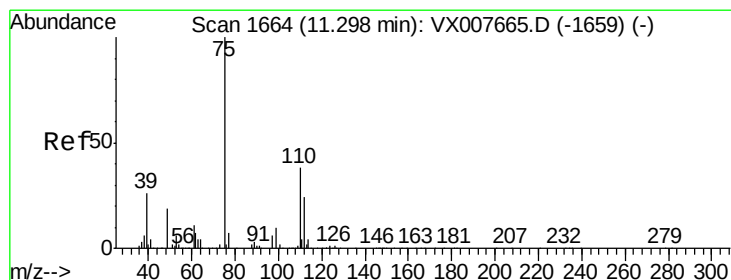
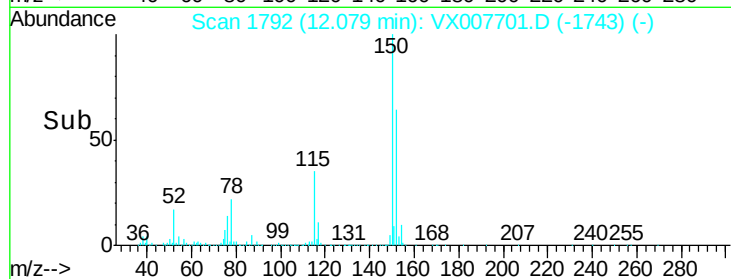
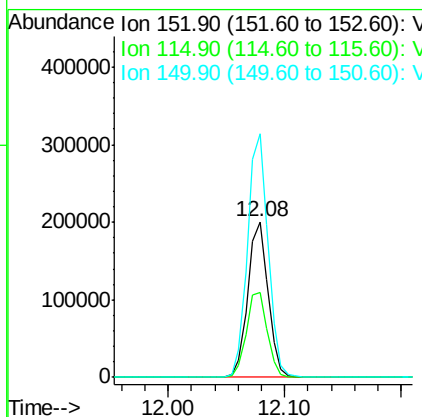
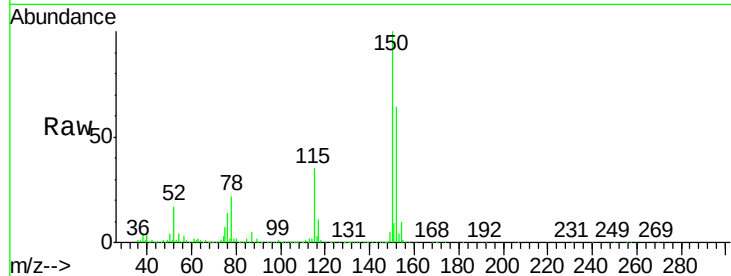




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

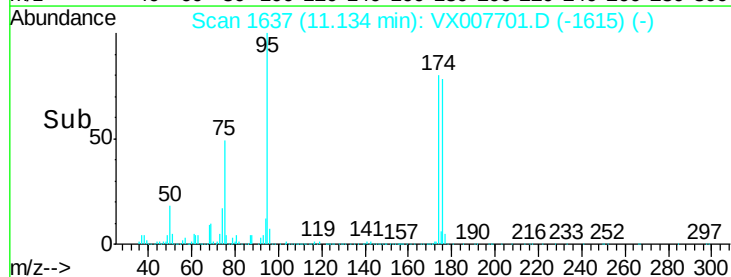
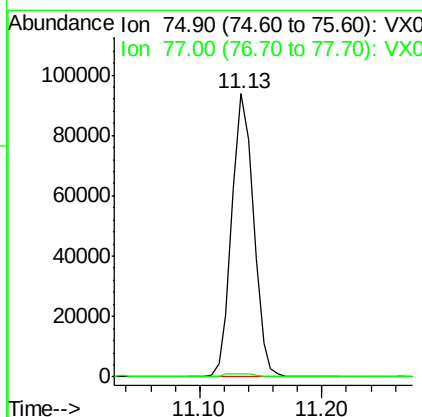
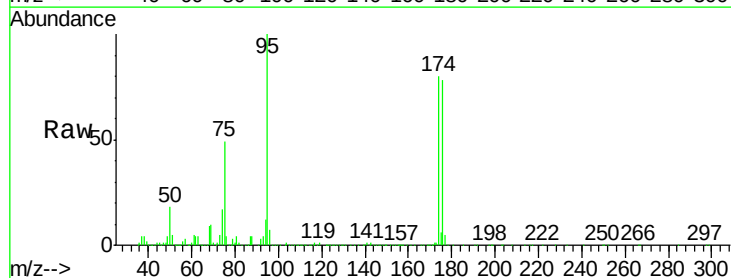
Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T0-UV(PRE)

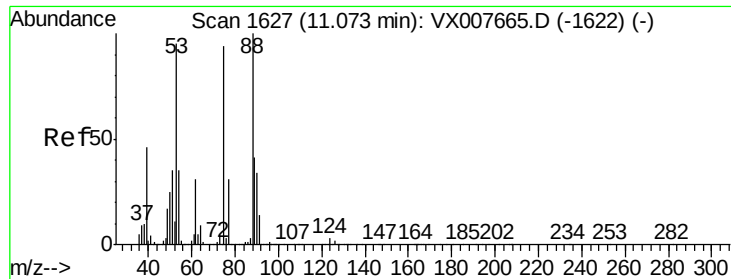
Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	38.0	114.0
150	157.5	0.0	346.4



#76
 1,2,3-Trichloropropane
 Concen: 22.019 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX007701.D
 Acq: 26 Feb 2019 07:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	23.0	69.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 58.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007701.D

Acq: 26 Feb 2019 07:47

Instrument :

MSVOA_X

ClientSampleId :

M2-T0-UV(PRE)

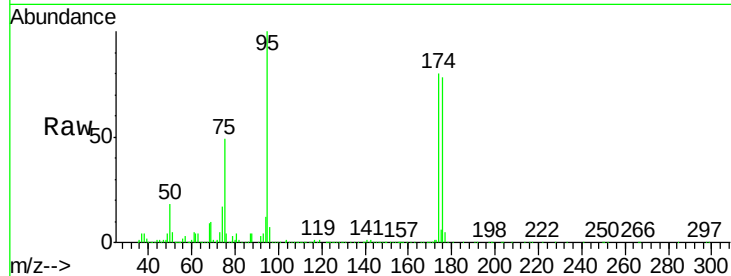
Tgt Ion: 75 Resp: 115339

Ion Ratio Lower Upper

75 100

53 0.4 81.0 121.6#

89 0.0 41.4 62.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

