

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX022519\
 Data File : VX007700.D
 Acq On : 26 Feb 2019 07:21
 Operator : JC/SP
 Sample : K1603-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T3-UV(PRE)

Quant Time: Feb 26 11:29:40 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	343432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	586478	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	549162	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	248475	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	203613	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
35) Dibromofluoromethane	5.51	113	191574	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
50) Toluene-d8	8.71	98	707448	47.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.28%	
62) 4-Bromofluorobenzene	11.13	95	248118	45.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.08%	

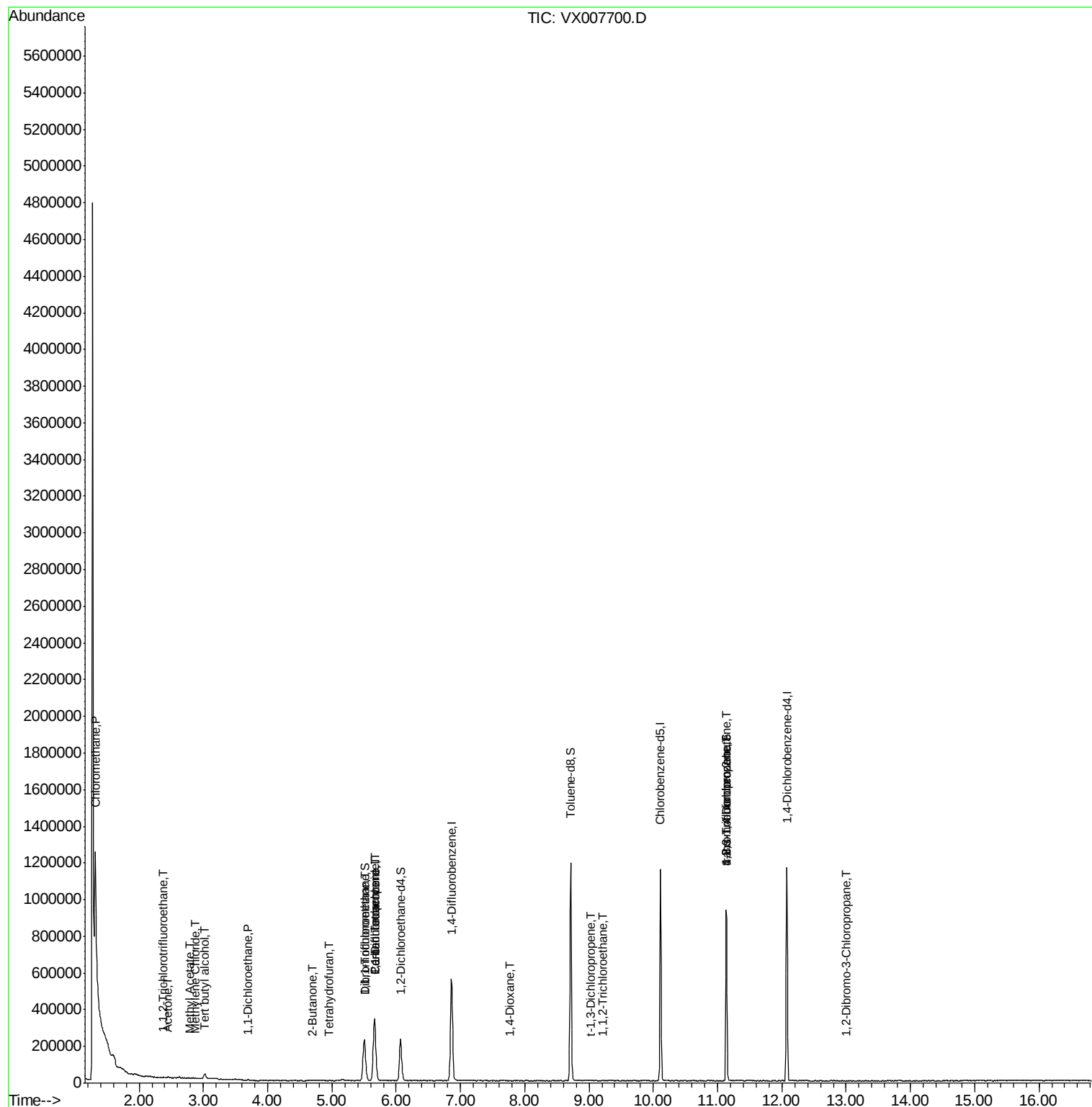
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	46026	13.128	ug/l #	43
5) Bromomethane	1.65	94	273	Below Cal	#	43
9) 1,1,2-Trichlorotrifluoroet	2.38	101	908	0.272	ug/l #	49
11) Tert butyl alcohol	3.02	59	14388	17.826	ug/l #	79
16) Acetone	2.45	43	6334	3.348	ug/l	96
18) Methyl Acetate	2.78	43	1221	0.296	ug/l #	34
20) Methylene Chloride	2.87	84	951	0.272	ug/l #	43
24) 1,1-Dichloroethane	3.70	63	5457	0.868	ug/l #	73
25) 2-Butanone	4.70	43	4644	1.612	ug/l	93
29) Tetrahydrofuran	4.95	42	588	0.310	ug/l	92
32) 1,1,1-Trichloroethane	5.50	97	3334	0.599	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	23764	4.507	ug/l #	49
38) Carbon Tetrachloride	5.67	117	32875	6.207	ug/l #	17
49) 1,4-Dioxane	7.77	88	342	3.351	ug/l #	39
53) t-1,3-Dichloropropene	9.04	75	380	2.859	ug/l #	37
55) 1,1,2-Trichloroethane	9.21	97	906	0.212	ug/l #	71
76) 1,2,3-Trichloropropane	11.13	75	118740	22.419	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	118740	59.471	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	13.01	75	309	0.231	ug/l #	1

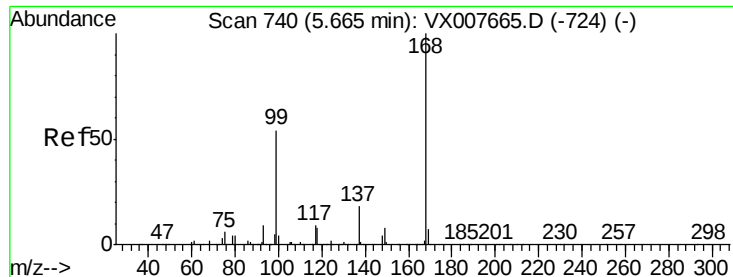
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

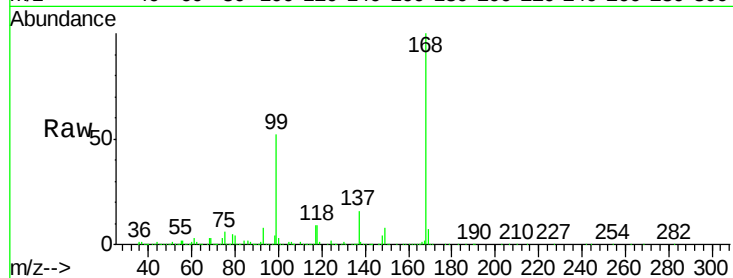
M1-T3-UV(PRE)

Tgt Ion:168 Resp: 343432

Ion Ratio Lower Upper

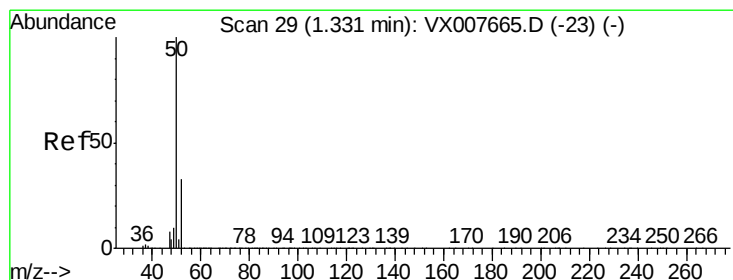
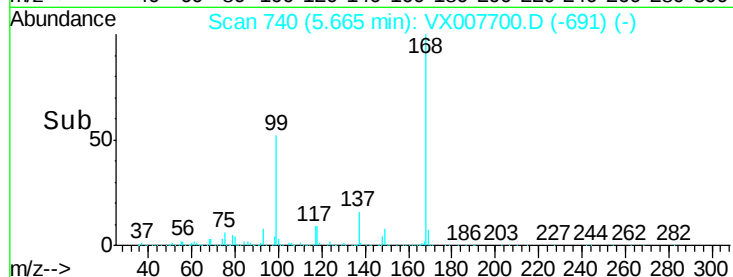
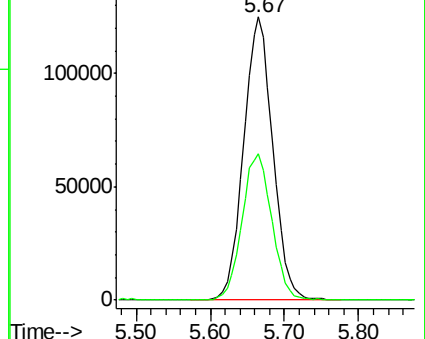
168 100

99 51.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 13.128 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007700.D

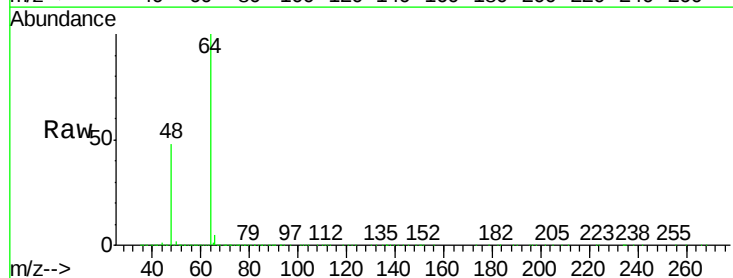
Acq: 26 Feb 2019 07:21

Tgt Ion: 50 Resp: 46026

Ion Ratio Lower Upper

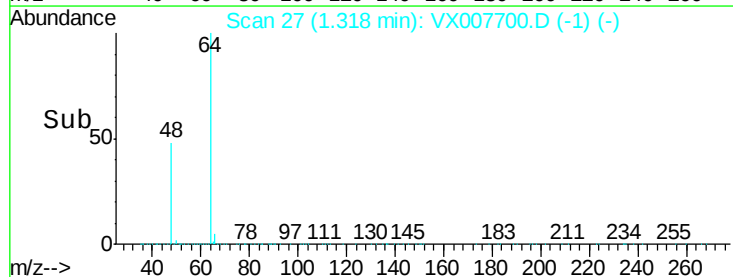
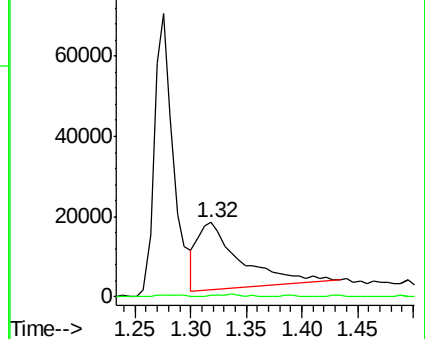
50 100

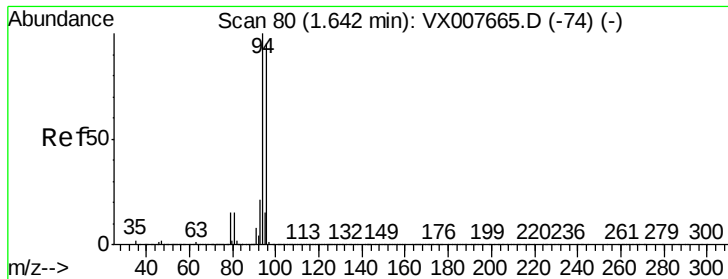
52 0.4 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

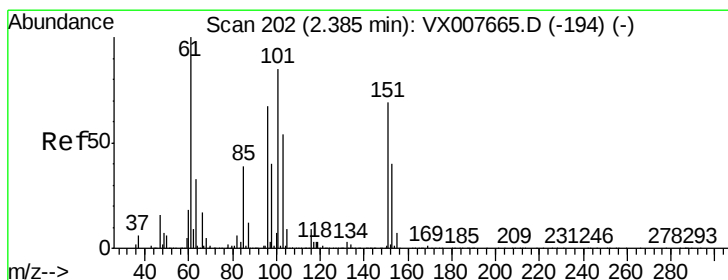
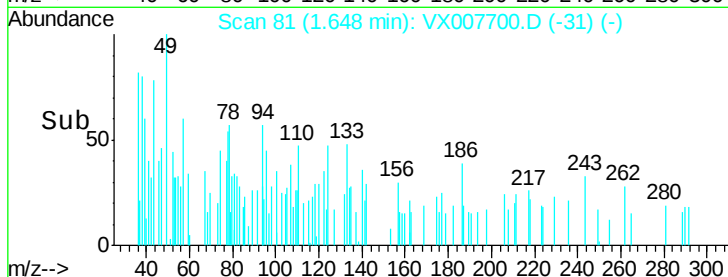
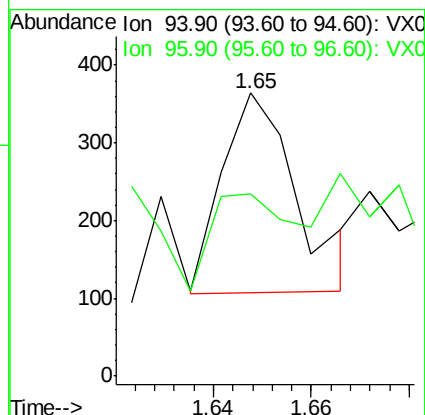
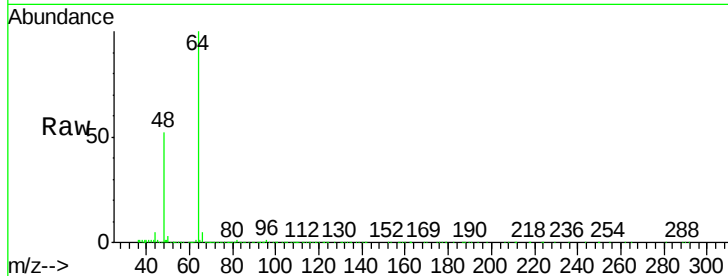
M1-T3-UV(PRE)

Tgt Ion: 94 Resp: 273

Ion Ratio Lower Upper

94 100

96 38.0 73.9 110.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.272 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

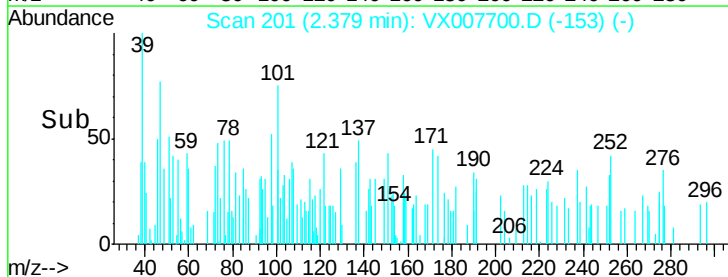
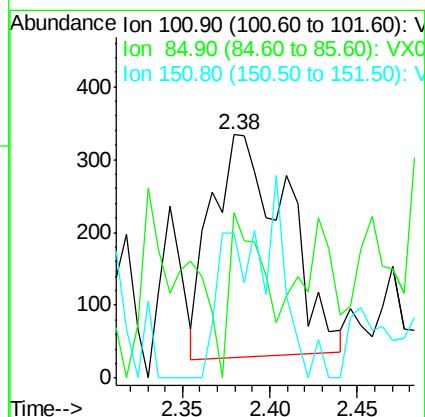
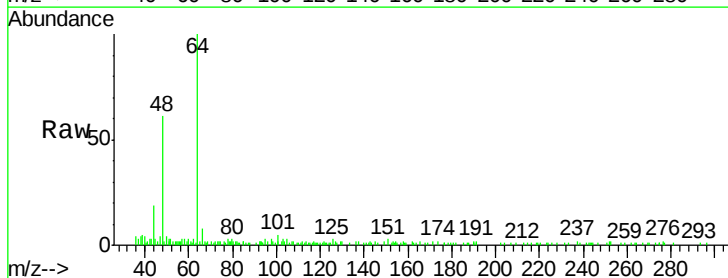
Tgt Ion: 101 Resp: 908

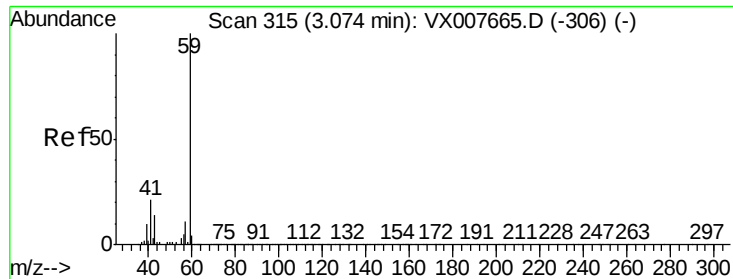
Ion Ratio Lower Upper

101 100

85 33.0 34.1 51.1#

151 24.3 69.9 104.9#

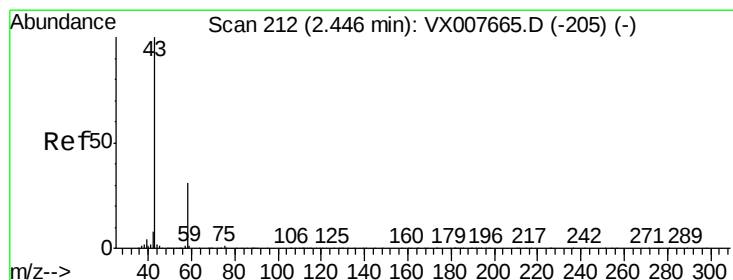
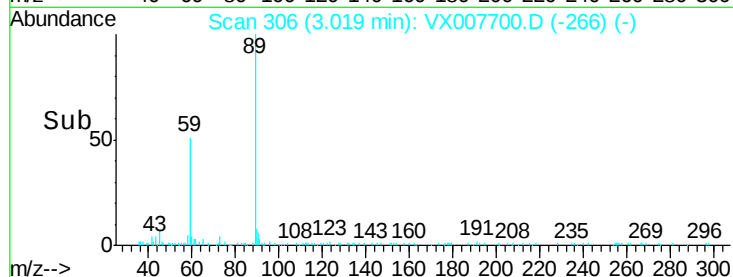
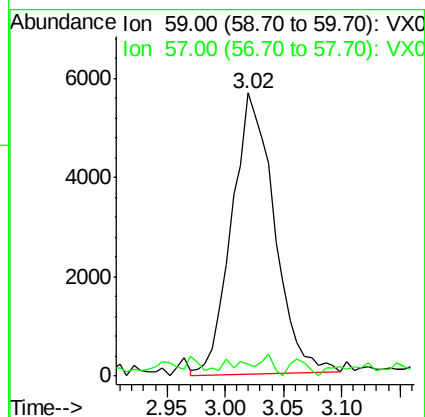
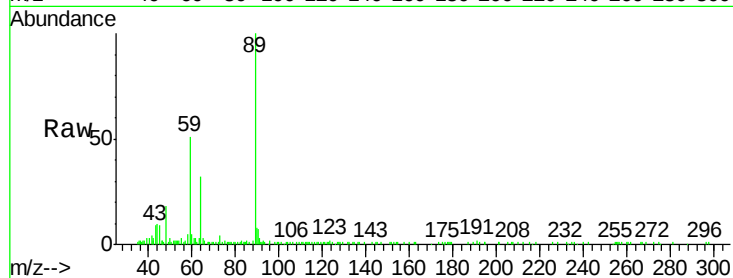




#11
Tert butyl alcohol
Concen: 17.826 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX007700.D
Acq: 26 Feb 2019 07:21

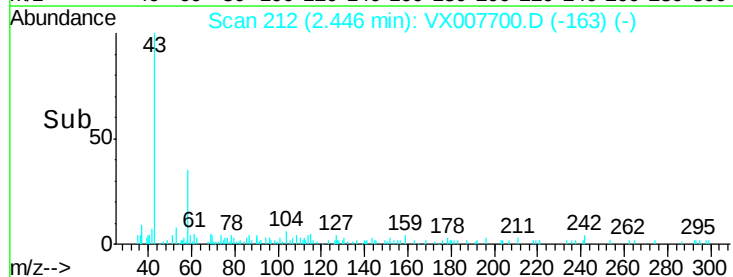
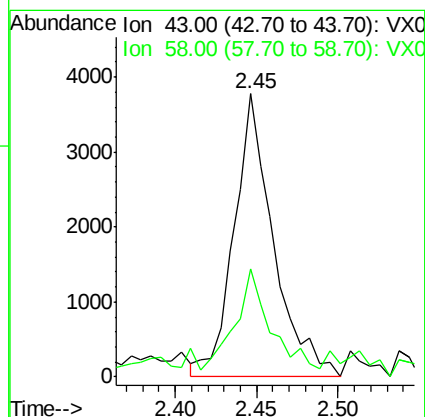
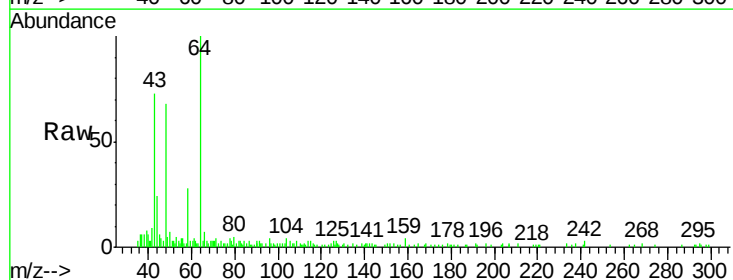
Instrument :
MSVOA_X
ClientSampleId :
M1-T3-UV(PRE)

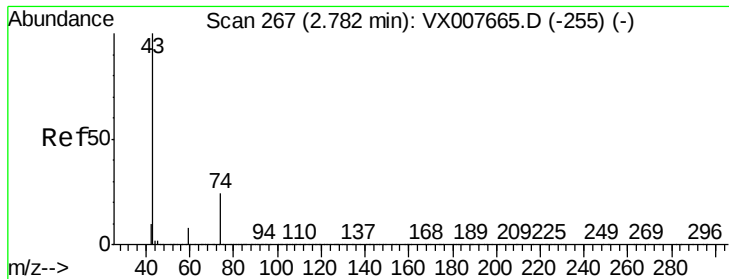
Tgt Ion: 59 Resp: 14388
Ion Ratio Lower Upper
59 100
57 2.2 8.1 12.1#



#16
Acetone
Concen: 3.348 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007700.D
Acq: 26 Feb 2019 07:21

Tgt Ion: 43 Resp: 6334
Ion Ratio Lower Upper
43 100
58 33.5 24.9 37.3





#18

Methyl Acetate

Concen: 0.296 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

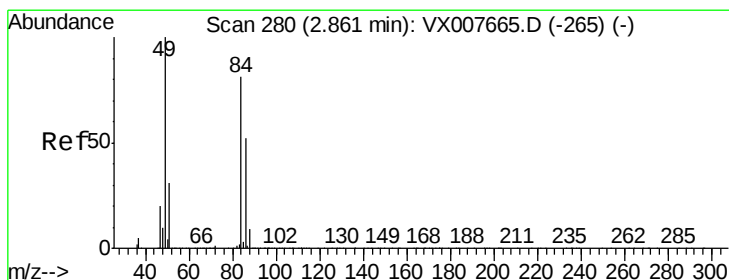
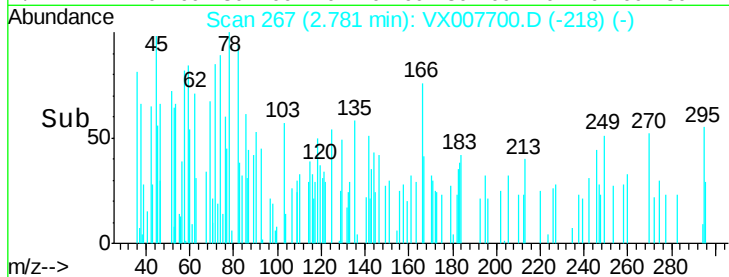
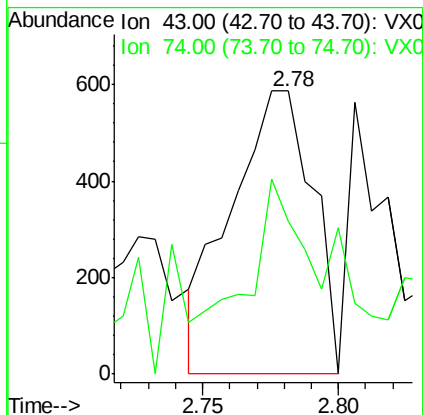
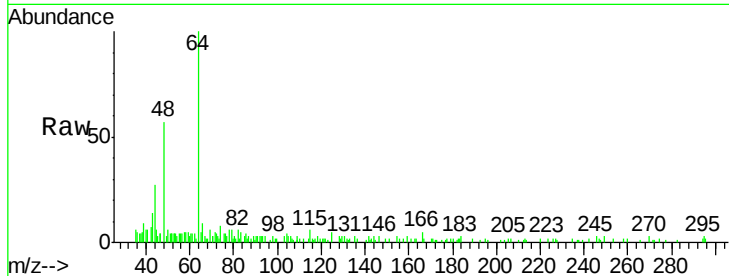
M1-T3-UV(PRE)

Tgt Ion: 43 Resp: 1221

Ion Ratio Lower Upper

43 100

74 57.2 19.4 29.2#



#20

Methylene Chloride

Concen: 0.272 ug/l

RT: 2.87 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Tgt Ion: 84 Resp: 951

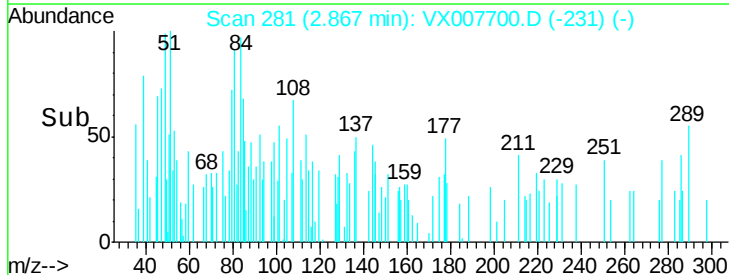
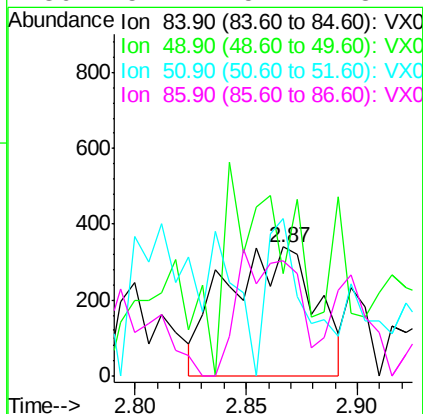
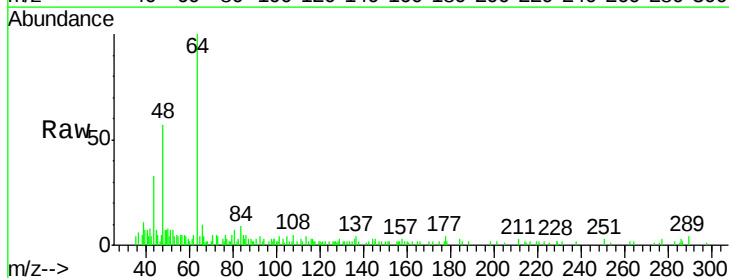
Ion Ratio Lower Upper

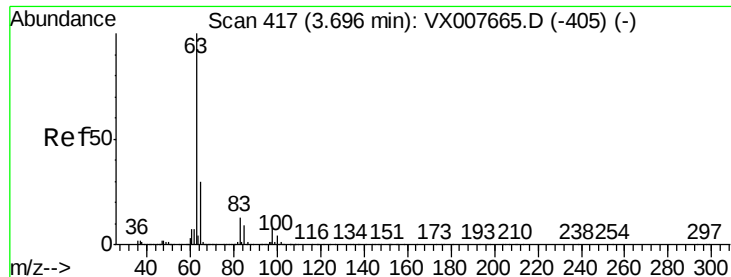
84 100

49 58.6 94.8 142.2#

51 121.1 29.8 44.8#

86 54.7 54.1 81.1





#24

1,1-Dichloroethane

Concen: 0.868 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

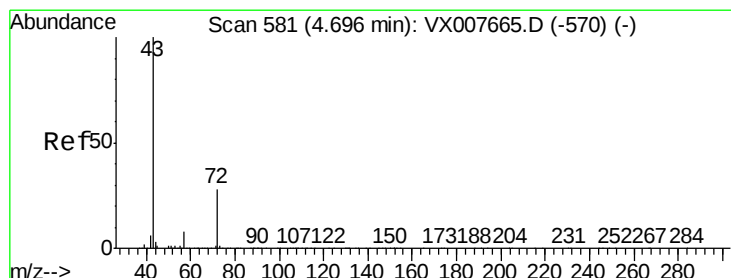
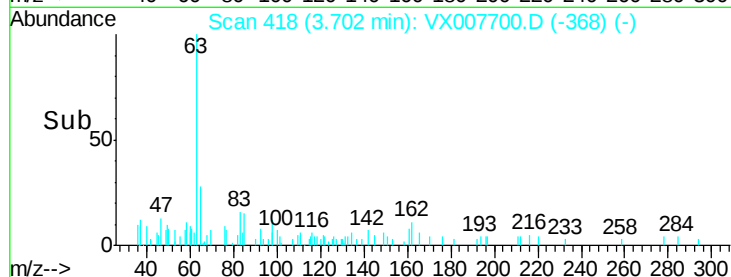
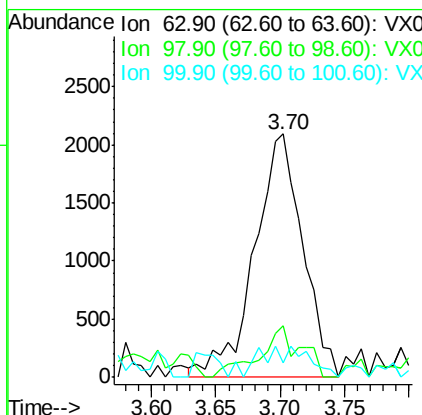
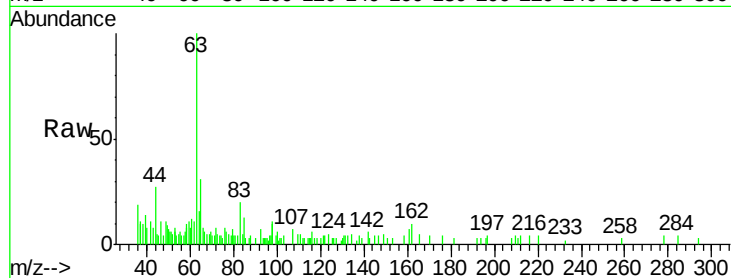
Instrument :

MSVOA_X

ClientSampleId :

M1-T3-UV(PRE)

Tgt Ion:	63	Resp:	5457
Ion	Ratio	Lower	Upper
63	100		
98	22.2	3.6	10.8#
100	6.3	2.5	7.4



#25

2-Butanone

Concen: 1.612 ug/l

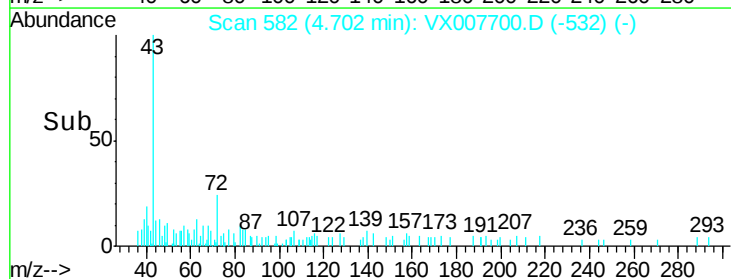
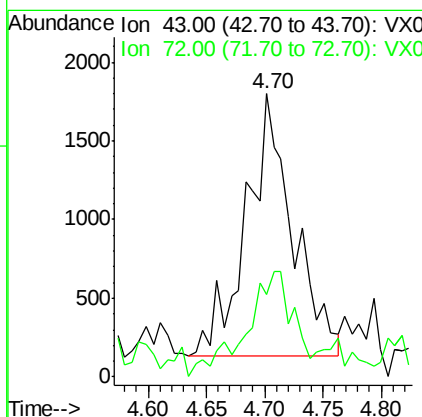
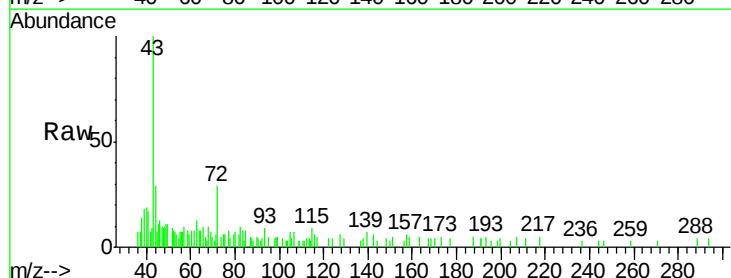
RT: 4.70 min Scan# 582

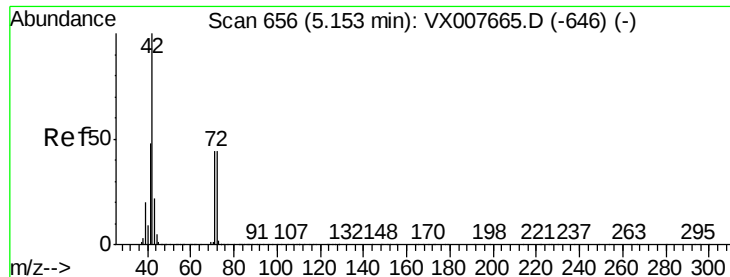
Delta R.T. 0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Tgt Ion:	43	Resp:	4644
Ion	Ratio	Lower	Upper
43	100		
72	31.2	22.2	33.2

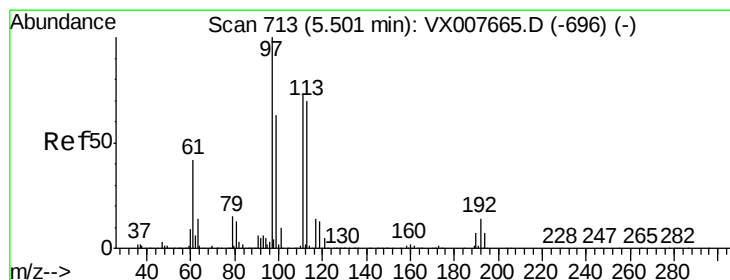
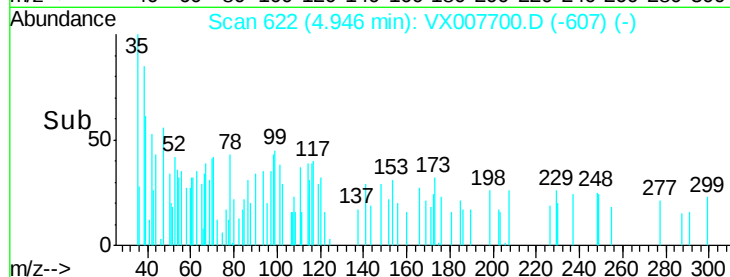
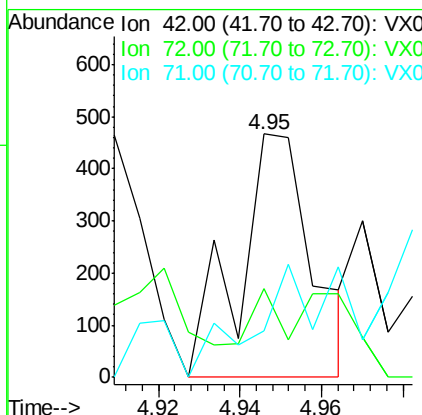
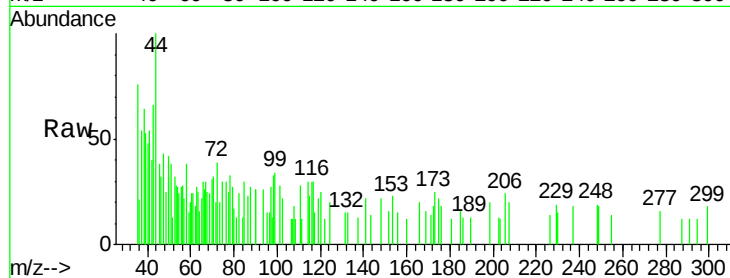




#29
Tetrahydrofuran
Concen: 0.310 ug/l
RT: 4.95 min Scan# 622
Delta R.T. -0.21 min
Lab File: VX007700.D
Acq: 26 Feb 2019 07:21

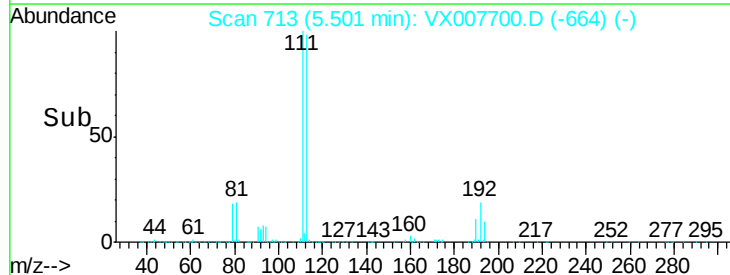
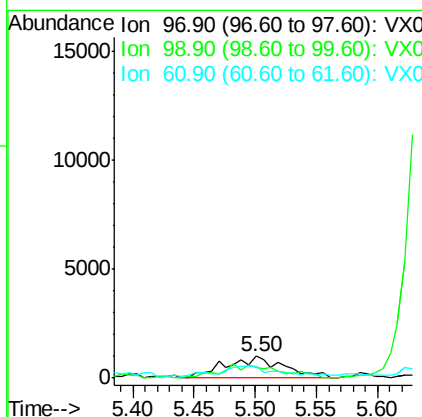
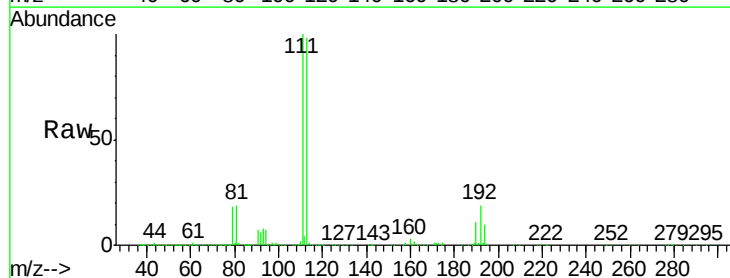
Instrument :
MSVOA_X
ClientSampleId :
M1-T3-UV(PRE)

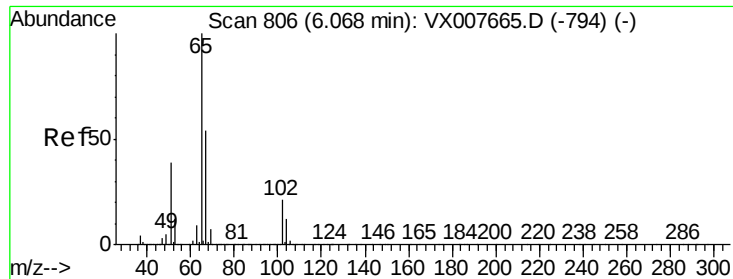
Tgt Ion: 42 Resp: 588
Ion Ratio Lower Upper
42 100
72 44.0 37.6 56.4
71 35.0 34.6 51.8



#32
1,1,1-Trichloroethane
Concen: 0.599 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX007700.D
Acq: 26 Feb 2019 07:21

Tgt Ion: 97 Resp: 3334
Ion Ratio Lower Upper
97 100
99 0.0 52.2 78.2#
61 37.9 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 47.864 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

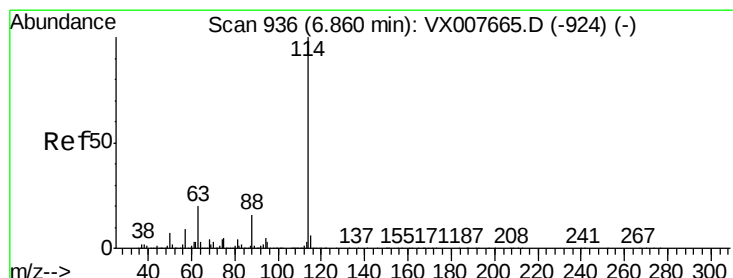
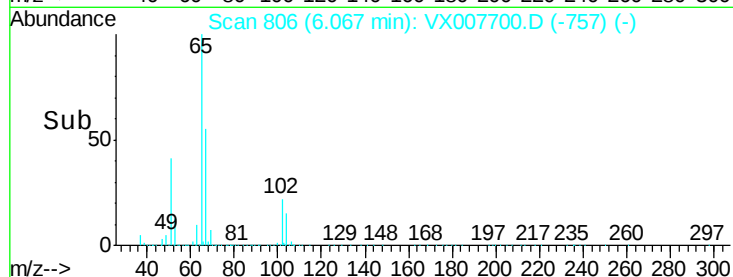
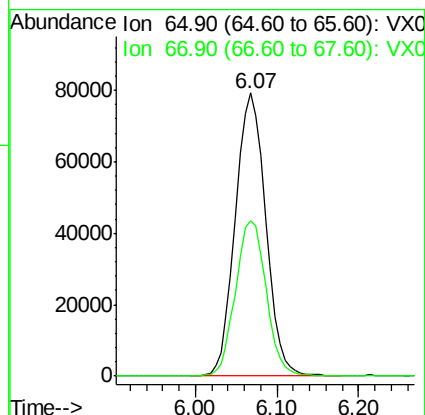
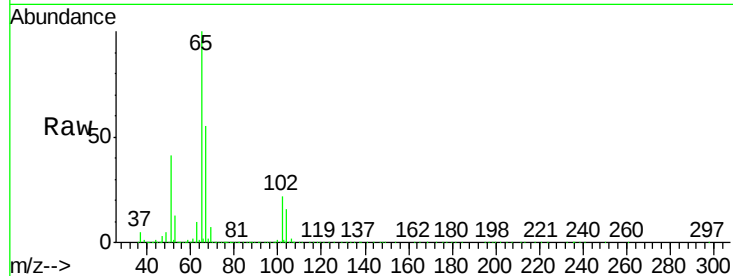
M1-T3-UV(PRE)

Tgt Ion: 65 Resp: 203613

Ion Ratio Lower Upper

65 100

67 55.5 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: VX007700.D

Acq: 26 Feb 2019 07:21

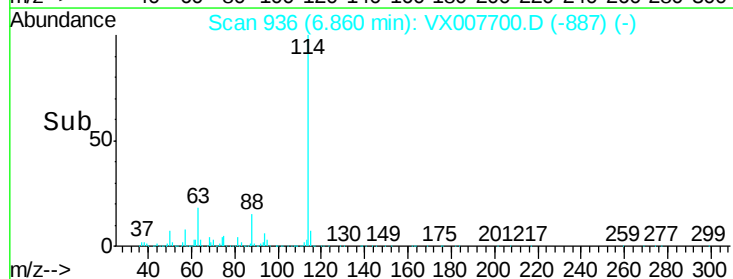
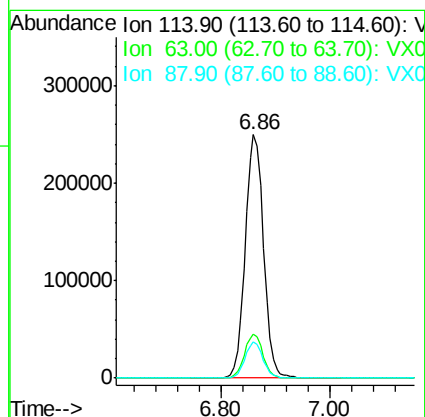
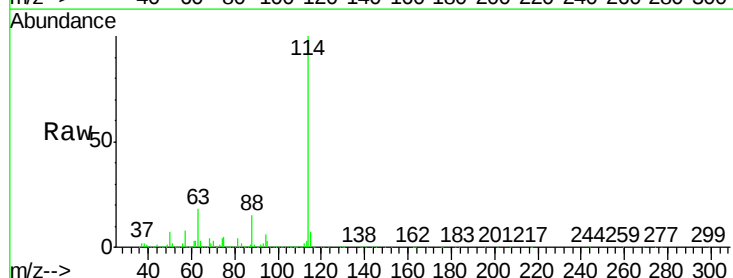
Tgt Ion: 114 Resp: 586478

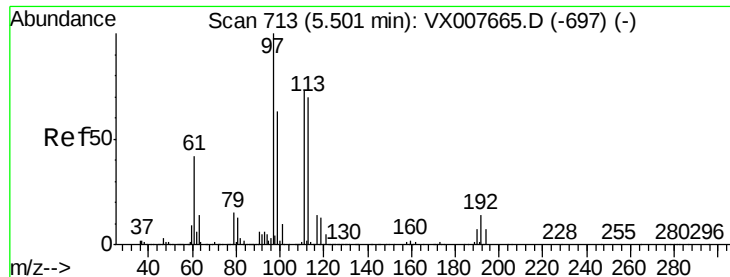
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.6

88 15.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-UV(PRE)

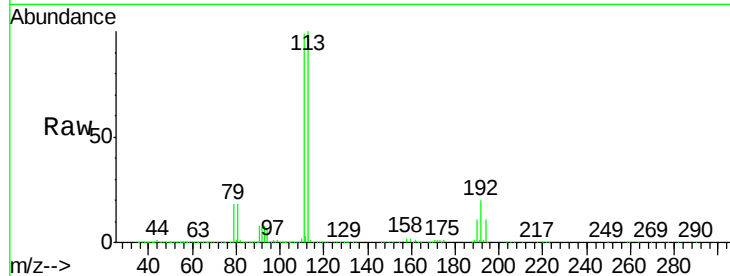
Tgt Ion:113 Resp: 191574

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

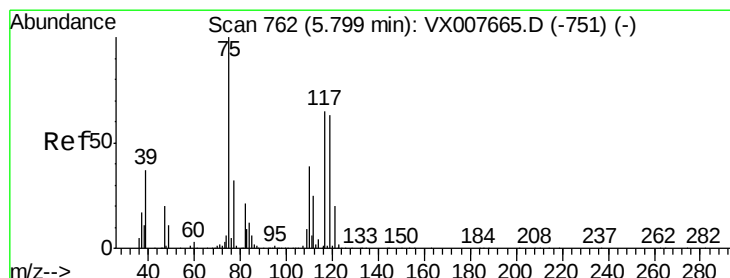
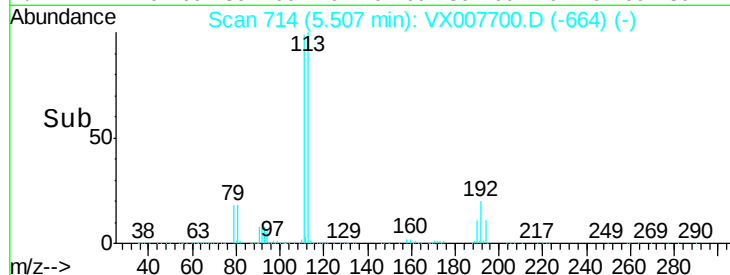
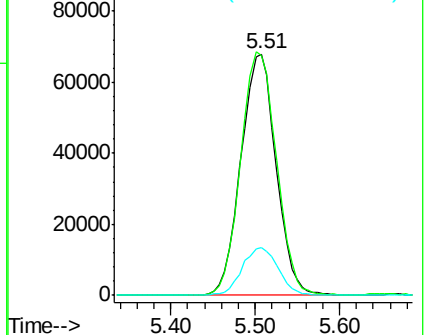
192 20.3 18.5 27.7



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: 4.507 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

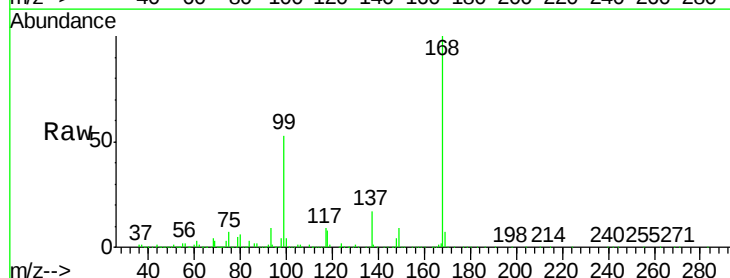
Tgt Ion: 75 Resp: 23764

Ion Ratio Lower Upper

75 100

110 10.7 20.0 59.9#

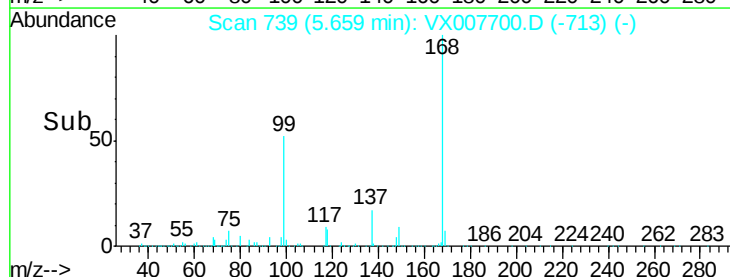
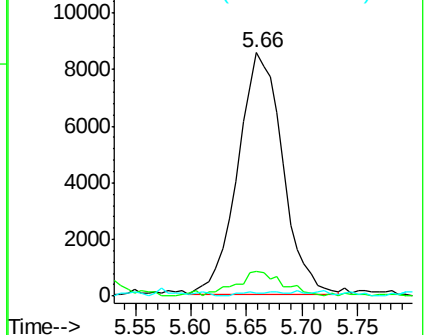
77 0.7 24.7 37.1#

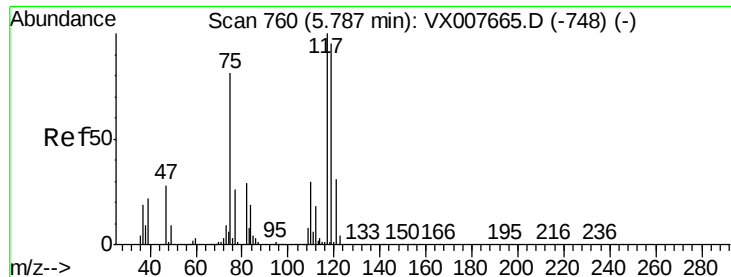


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.207 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.12 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampled :

M1-T3-UV(PRE)

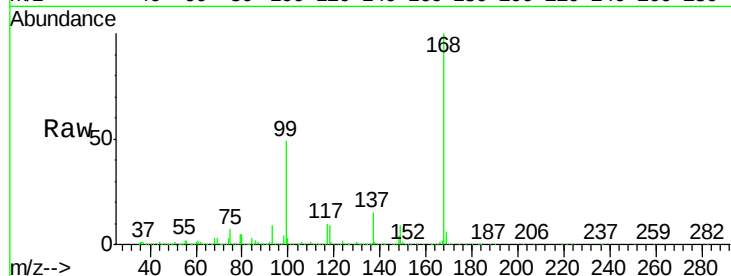
Tgt Ion:117 Resp: 32875

Ion Ratio Lower Upper

117 100

119 5.0 75.3 112.9#

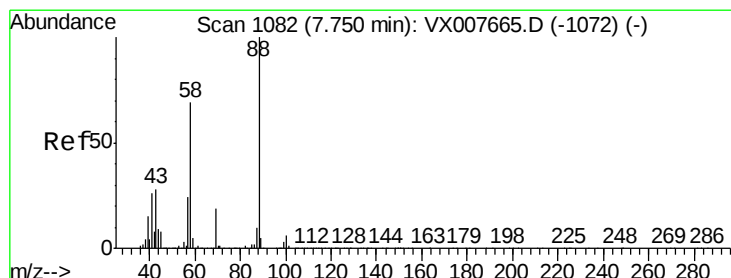
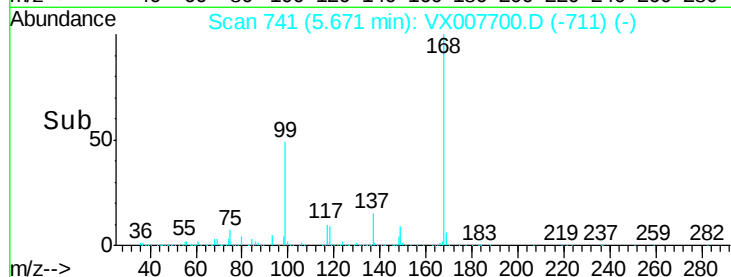
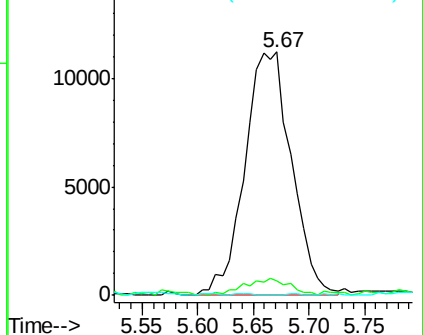
121 0.0 25.0 37.4#



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



#49

1,4-Dioxane

Concen: 3.351 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

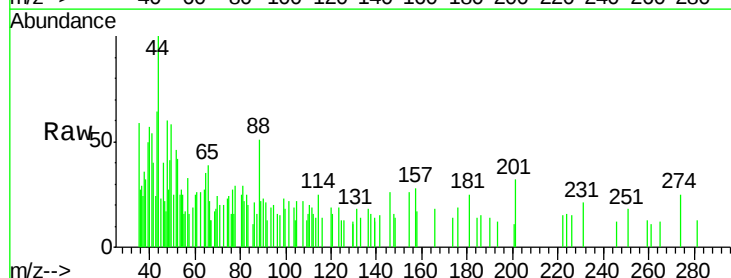
Tgt Ion: 88 Resp: 342

Ion Ratio Lower Upper

88 100

43 79.8 24.2 36.4#

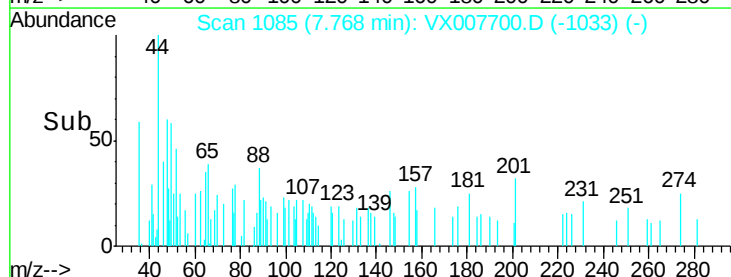
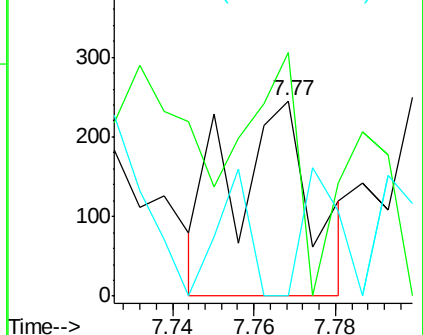
58 28.7 53.0 79.4#

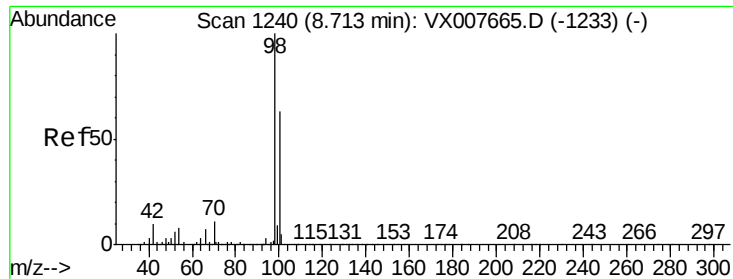


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.135 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

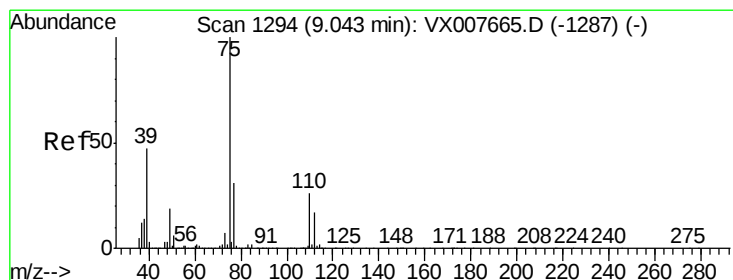
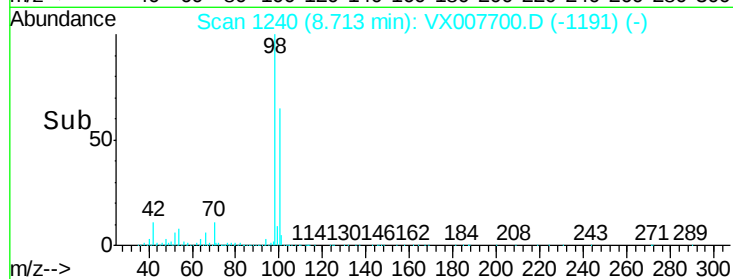
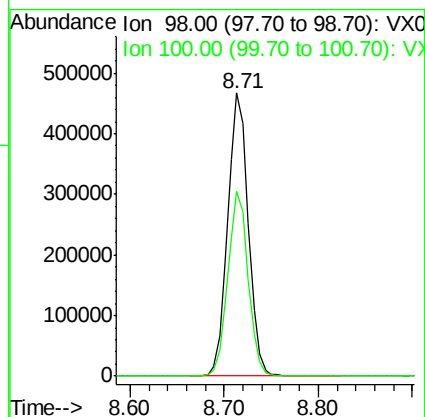
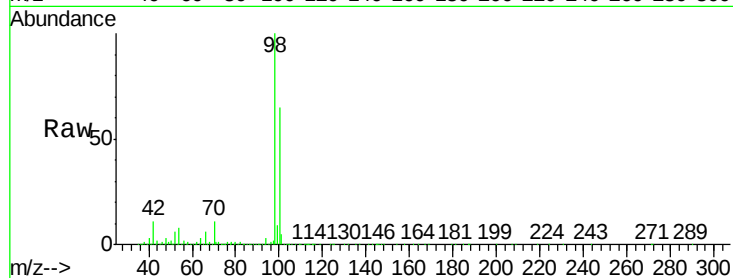
M1-T3-UV(PRE)

Tgt Ion: 98 Resp: 707448

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



#53

t-1,3-Dichloropropene

Concen: 2.859 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX007700.D

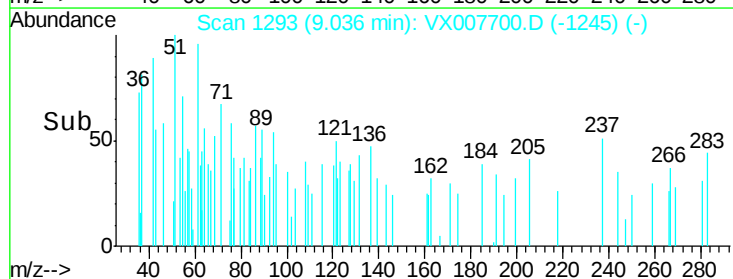
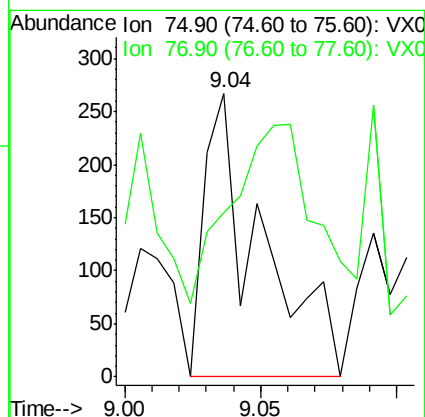
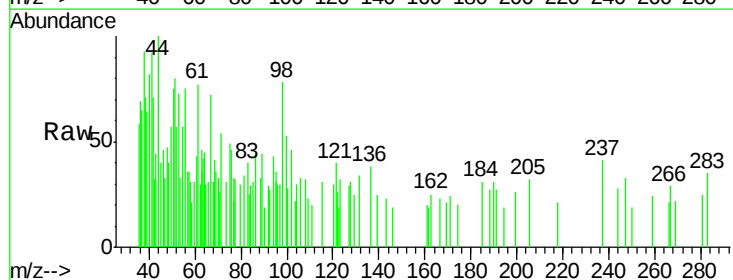
Acq: 26 Feb 2019 07:21

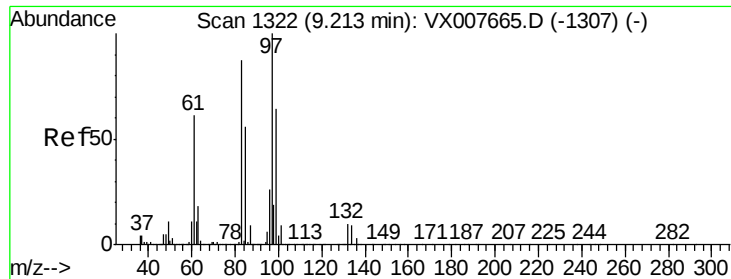
Tgt Ion: 75 Resp: 380

Ion Ratio Lower Upper

75 100

77 66.3 25.2 37.8#





#55

1,1,2-Trichloroethane

Concen: 0.212 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-UV(PRE)

Tgt Ion: 97 Resp: 906

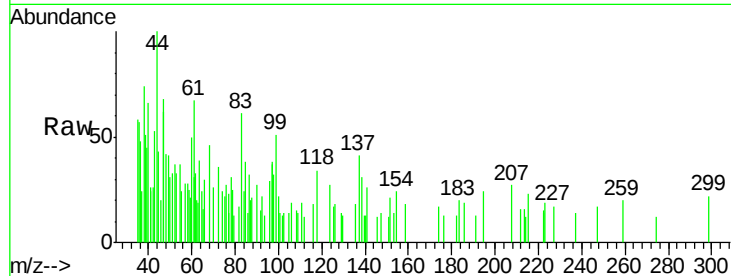
Ion Ratio Lower Upper

97 100

83 57.5 68.6 102.8#

85 29.6 44.5 66.7#

99 48.3 52.2 78.4#

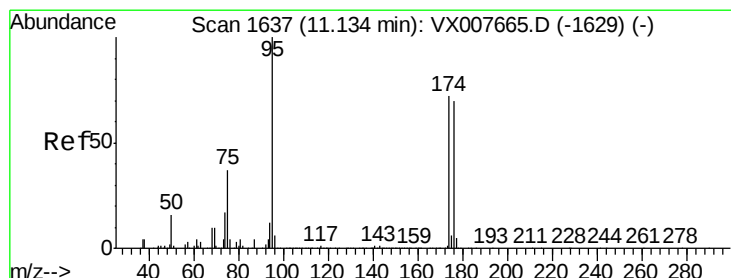
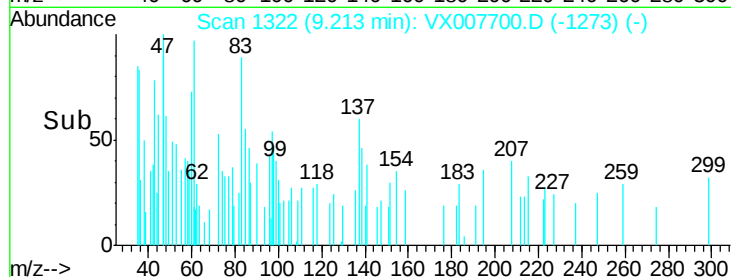
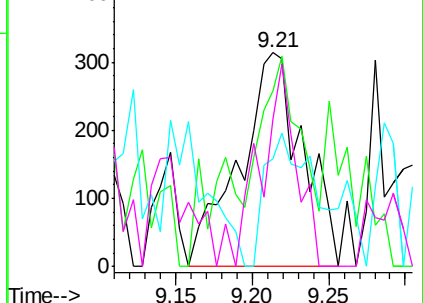


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#62

4-Bromofluorobenzene

Concen: 45.040 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

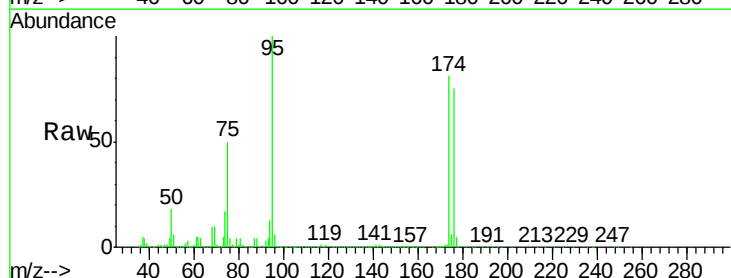
Tgt Ion: 95 Resp: 248118

Ion Ratio Lower Upper

95 100

174 85.6 0.0 189.2

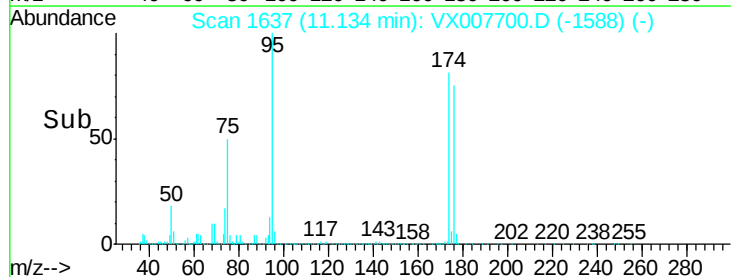
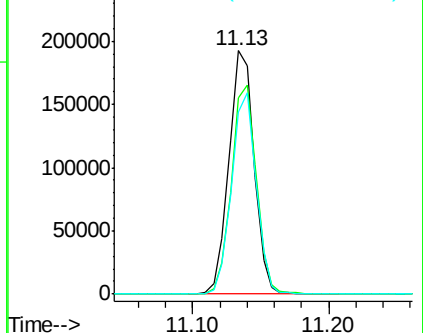
176 81.0 0.0 186.2

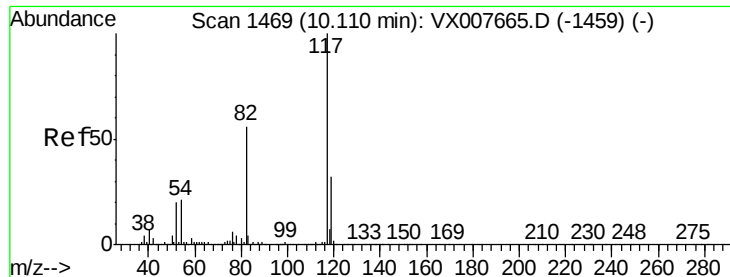


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-UV(PRE)

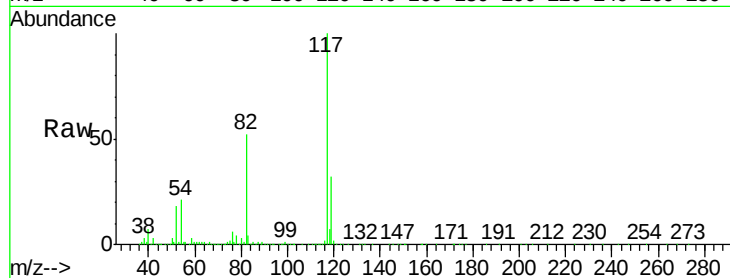
Tgt Ion:117 Resp: 549162

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

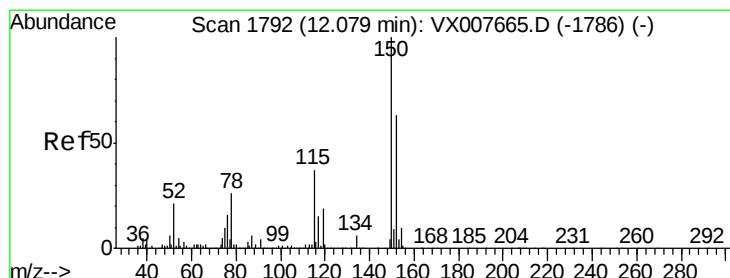
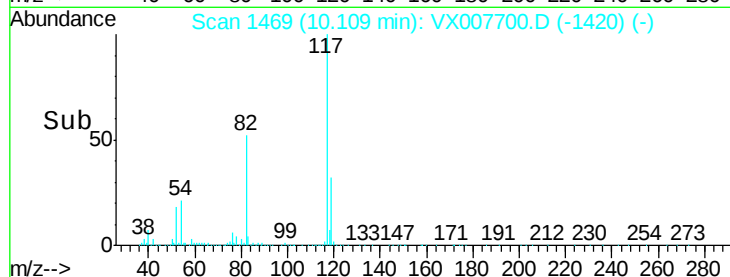
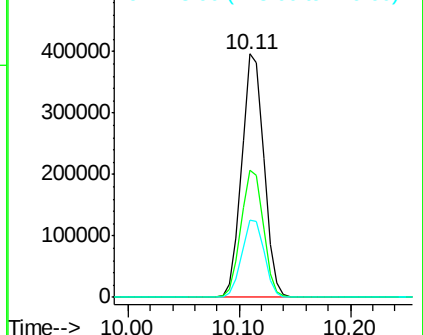
119 31.8 26.5 39.7



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

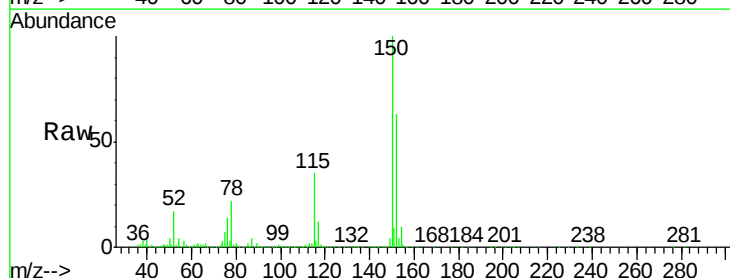
Tgt Ion:152 Resp: 248475

Ion Ratio Lower Upper

152 100

115 57.7 38.0 114.0

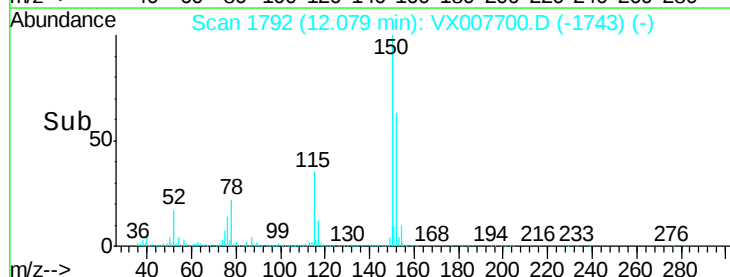
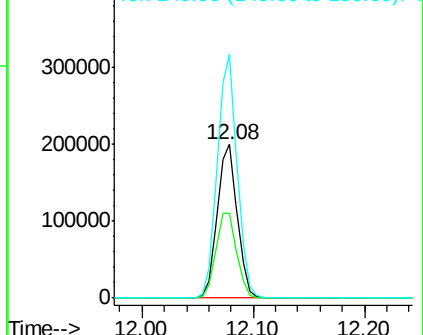
150 157.4 0.0 346.4

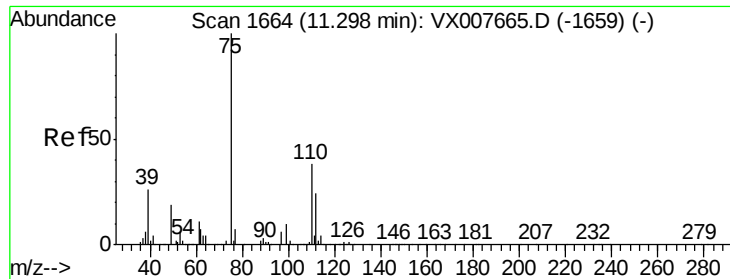


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.419 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

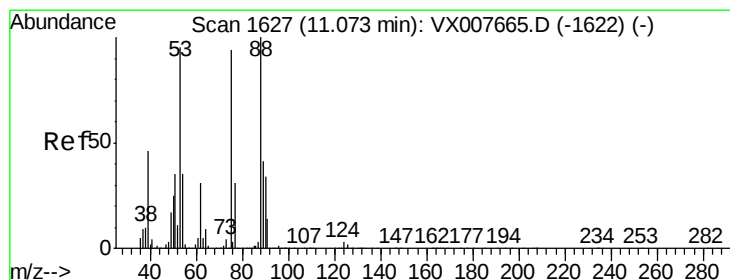
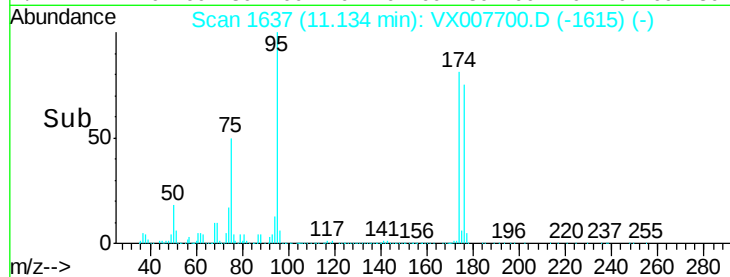
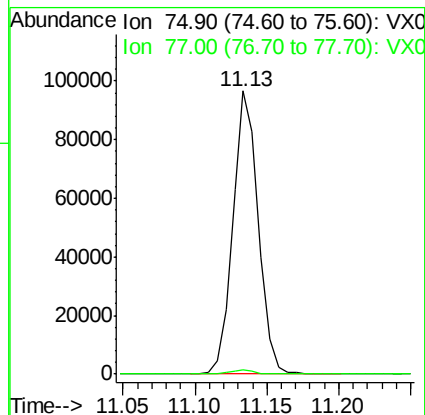
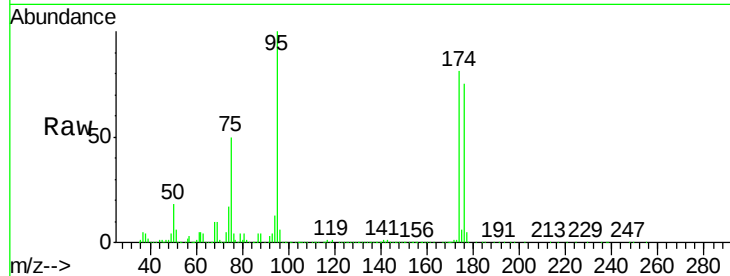
M1-T3-UV(PRE)

Tgt Ion: 75 Resp: 118740

Ion Ratio Lower Upper

75 100

77 1.5 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.471 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

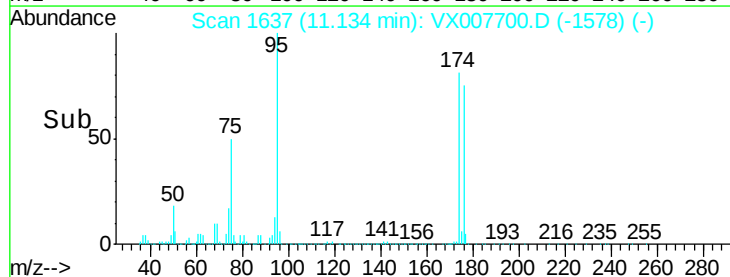
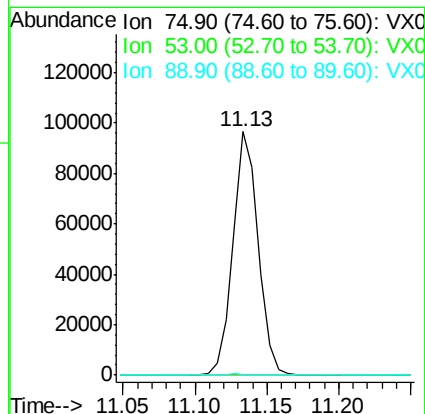
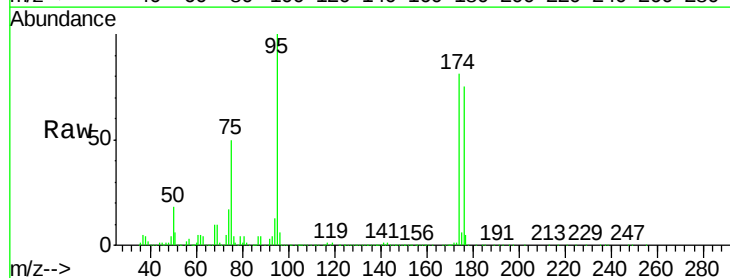
Tgt Ion: 75 Resp: 118740

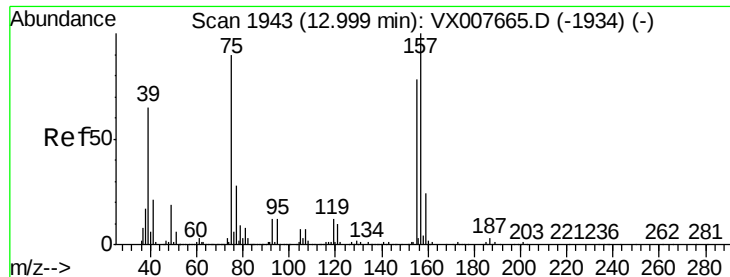
Ion Ratio Lower Upper

75 100

53 0.5 81.0 121.6#

89 0.4 41.4 62.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.231 ug/l

RT: 13.01 min Scan# 1944

Delta R.T. 0.01 min

Lab File: VX007700.D

Acq: 26 Feb 2019 07:21

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-UV(PRE)

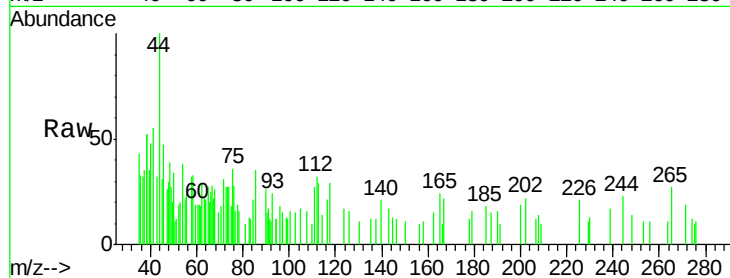
Tgt Ion: 75 Resp: 309

Ion Ratio Lower Upper

75 100

155 0.0 49.6 149.0#

157 8.4 65.1 195.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

