

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030519\
 Data File : VX007837.D
 Acq On : 05 Mar 2019 15:15
 Operator : JC/SP
 Sample : K1659-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T5-UV-(PRE)

Quant Time: Mar 06 00:11:01 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	5.66	168	309960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	480055	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	450203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217826	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	171156	44.58	ug/l	0.00
Spiked Amount			Recovery	=	89.16%	
35) Dibromofluoromethane	5.51	113	159828	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
50) Toluene-d8	8.71	98	578324	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	
62) 4-Bromofluorobenzene	11.13	95	211075	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	

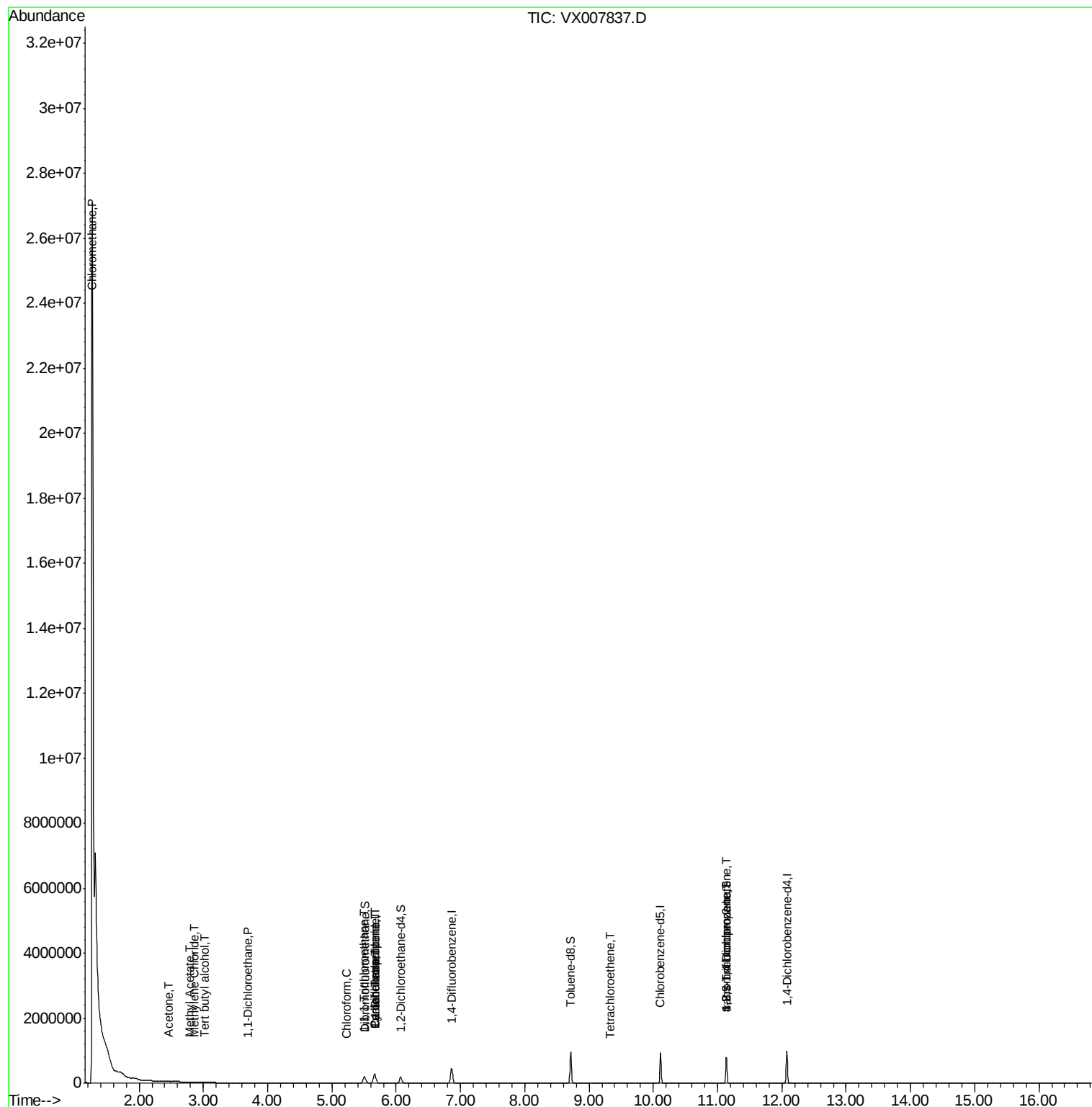
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.27	50	1213197	383.422	ug/l #	43
5) Bromomethane	1.65	94	600	Below Cal		97
11) Tert butyl alcohol	3.03	59	4762	6.537	ug/l #	75
16) Acetone	2.45	43	4607	2.698	ug/l #	87
18) Methyl Acetate	2.78	43	822	0.221	ug/l #	89
20) Methylene Chloride	2.86	84	670	0.213	ug/l #	78
24) 1,1-Dichloroethane	3.70	63	4651	0.820	ug/l	96
30) Chloroform	5.21	83	1456	0.240	ug/l	100
31) Cyclohexane	5.66	56	4840	0.907	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	2003	0.399	ug/l #	45
36) 1,1-Dichloropropene	5.66	75	19164	4.440	ug/l #	47
38) Carbon Tetrachloride	5.66	117	26205	6.045	ug/l #	17
64) Tetrachloroethene	9.34	164	789	0.216	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	97296	20.955	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	97296	55.783	ug/l #	9

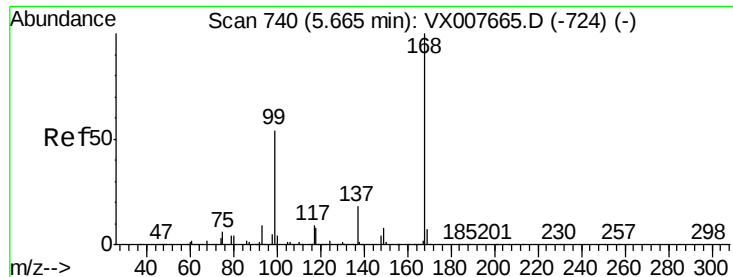
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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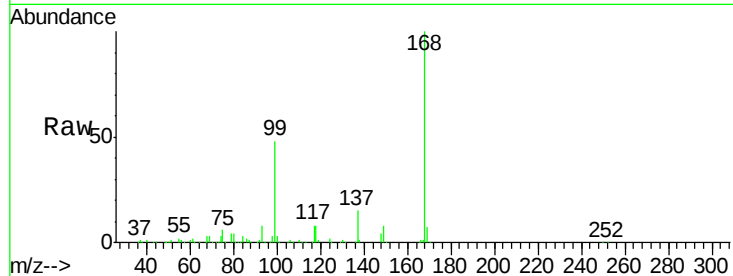


#1

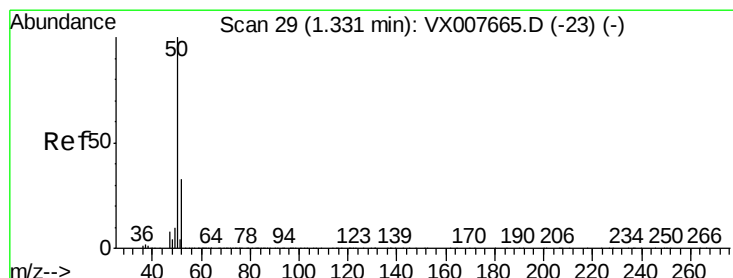
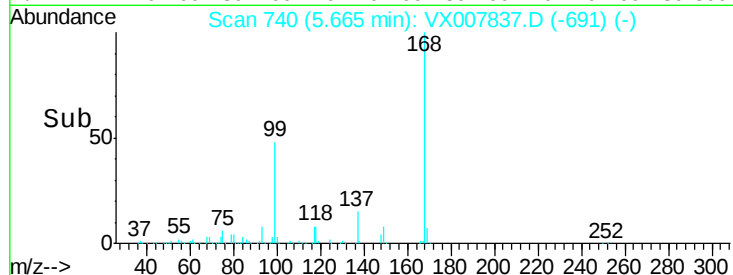
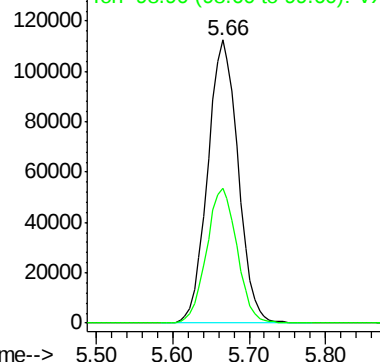
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: VX007837.D
 Acq: 05 Mar 2019 15:15

Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T5-UV-(PRE)

Tot Ion:168 Resp: 309960
 Ion Ratio Lower Upper
 168 100
 99 47.5 37.9 56.9



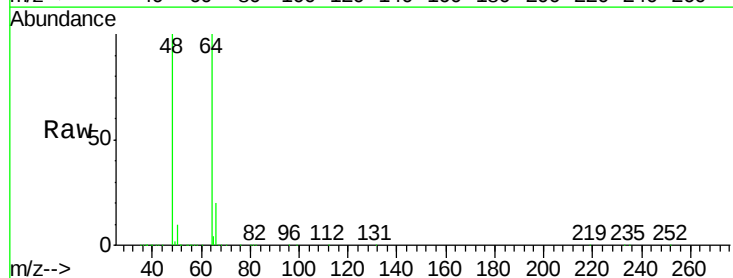
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



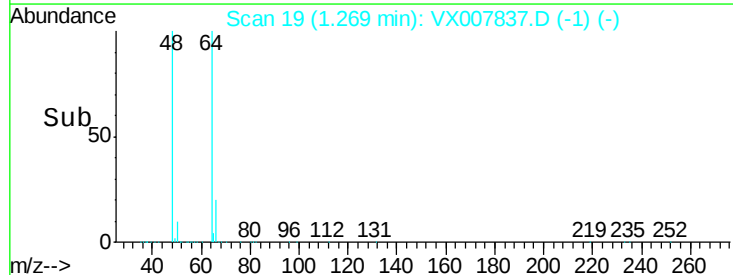
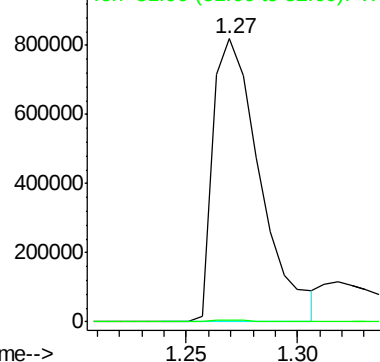
#3

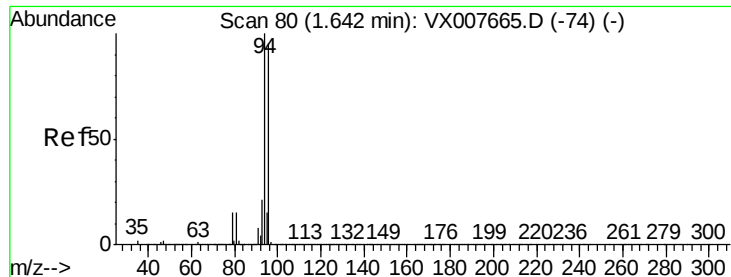
Chloromethane
 Concen: 383.422 ug/l
 RT: 1.27 min Scan# 19
 Delta R.T. -0.06 min
 Lab File: VX007837.D
 Acq: 05 Mar 2019 15:15

Tgt Ion: 50 Resp: 1213197
 Ion Ratio Lower Upper
 50 100
 52 0.5 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# 82

Delta R.T. 0.01 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

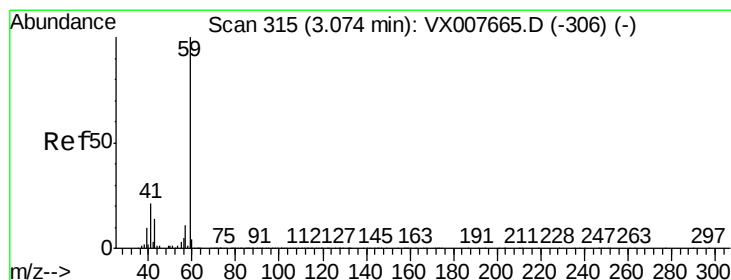
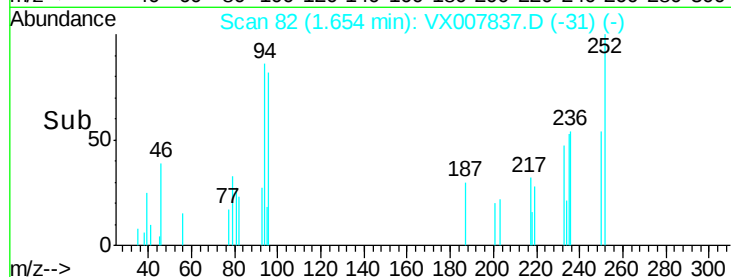
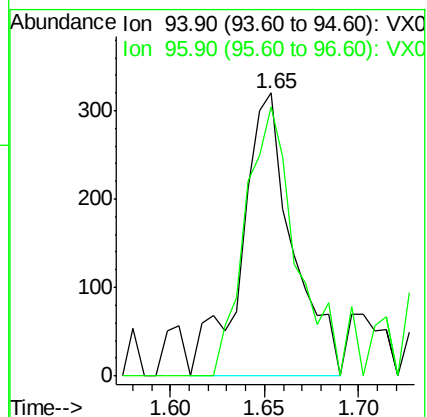
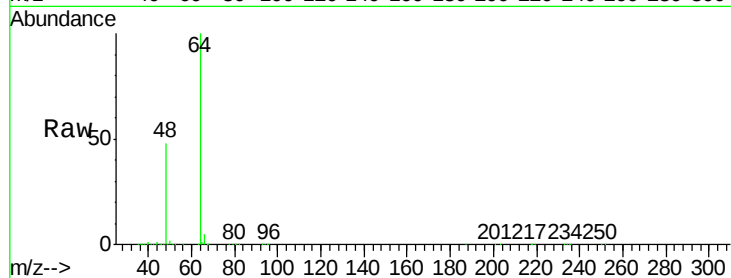
M1-T5-UV-(PRE)

Tot Ion: 94 Resp: 600

Ion Ratio Lower Upper

94 100

96 95.3 73.9 110.9



#11

Tert butyl alcohol

Concen: 6.537 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX007837.D

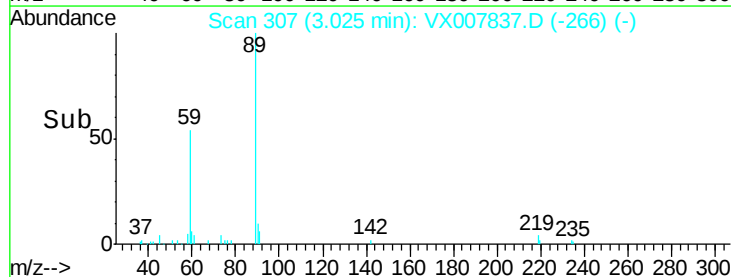
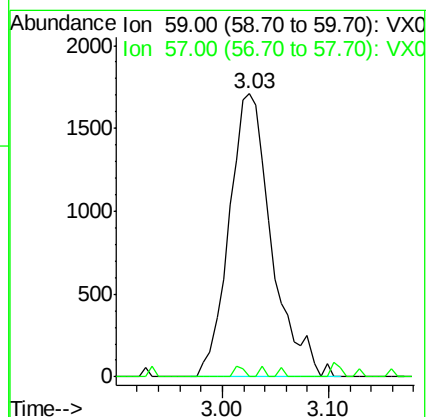
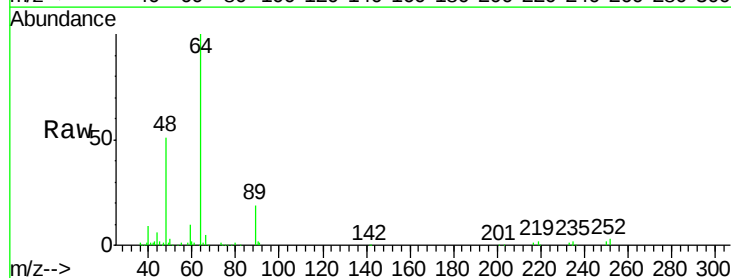
Acq: 05 Mar 2019 15:15

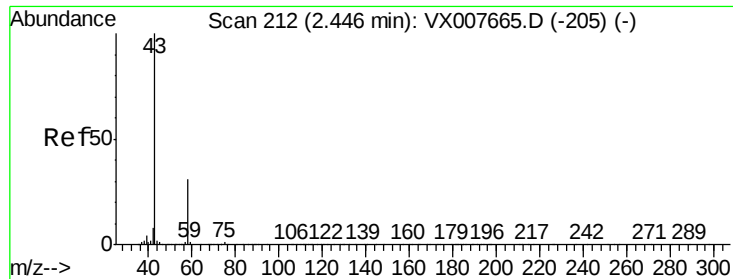
Tgt Ion: 59 Resp: 4762

Ion Ratio Lower Upper

59 100

57 0.9 8.1 12.1#





#16

Acetone

Concen: 2.698 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

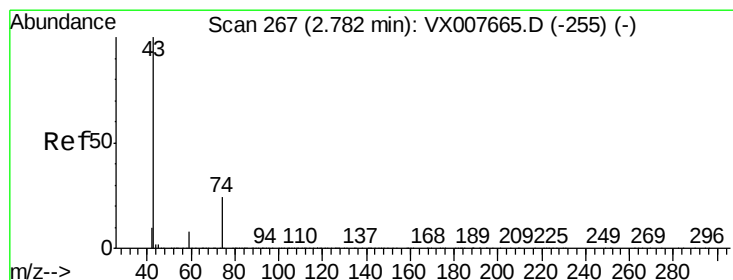
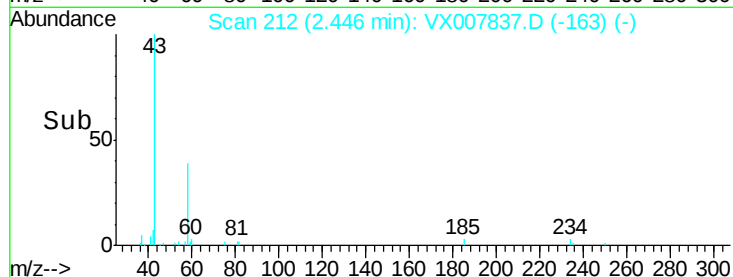
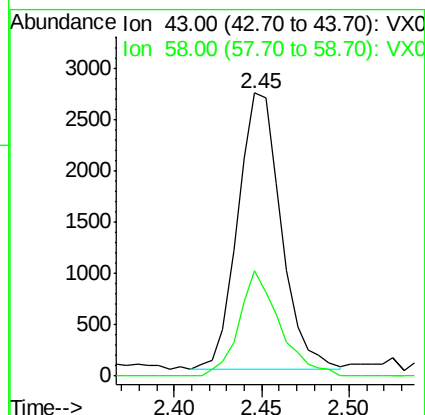
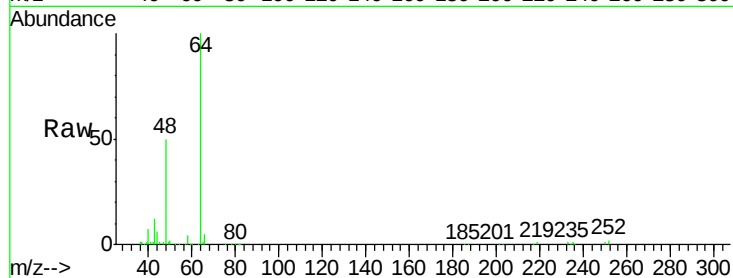
M1-T5-UV-(PRE)

Tot Ion: 43 Resp: 4607

Ion Ratio Lower Upper

43 100

58 38.1 24.9 37.3#



#18

Methyl Acetate

Concen: 0.221 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007837.D

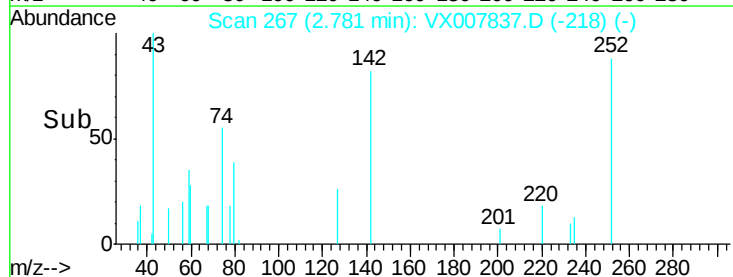
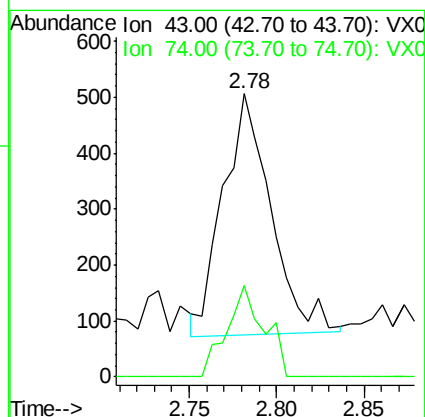
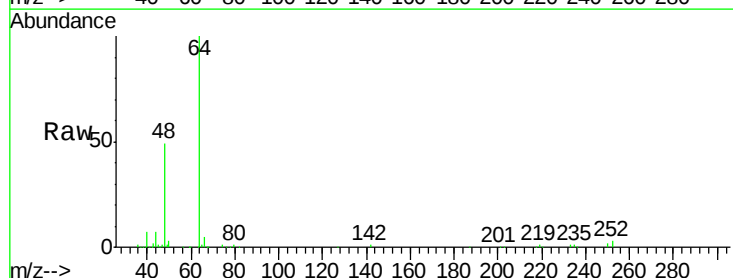
Acq: 05 Mar 2019 15:15

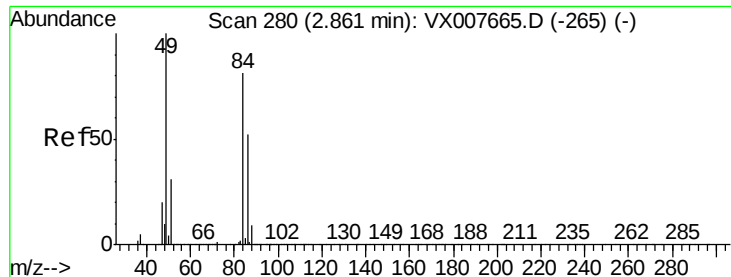
Tgt Ion: 43 Resp: 822

Ion Ratio Lower Upper

43 100

74 29.8 19.4 29.2#

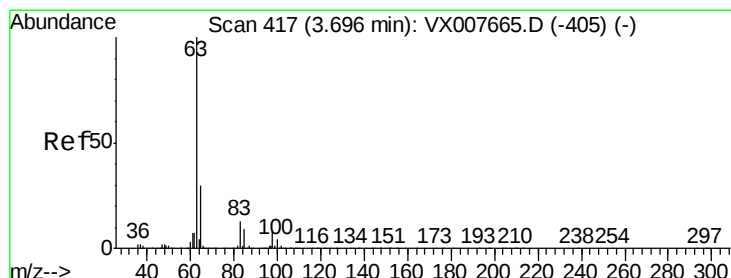
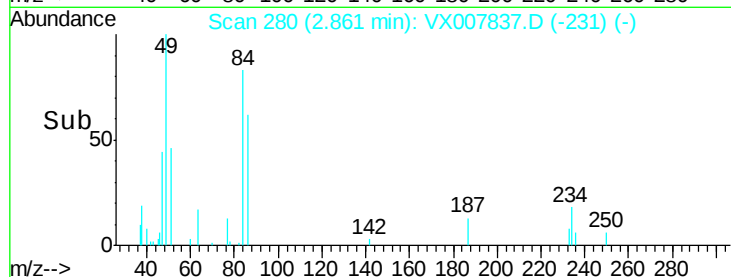
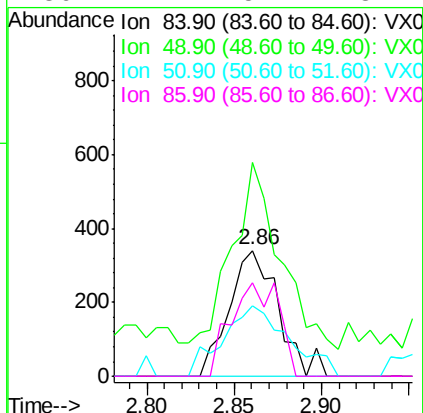
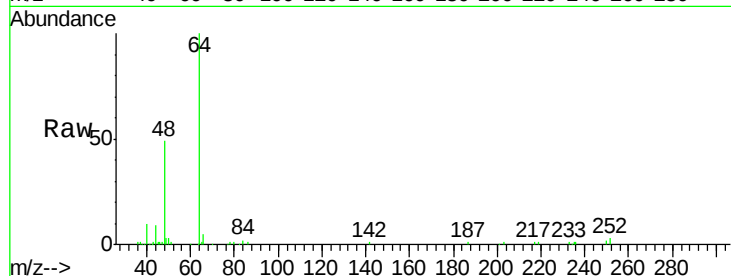




#20
Methvlene Chloride
Concen: 0.213 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

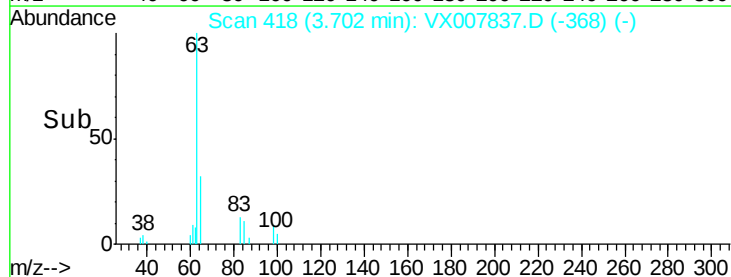
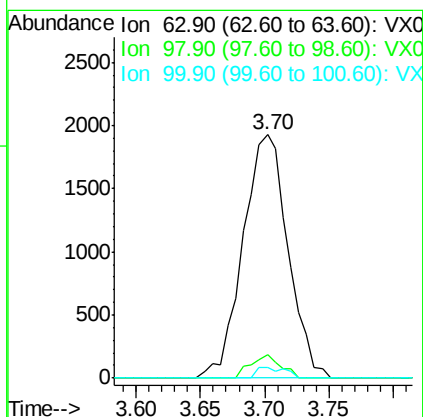
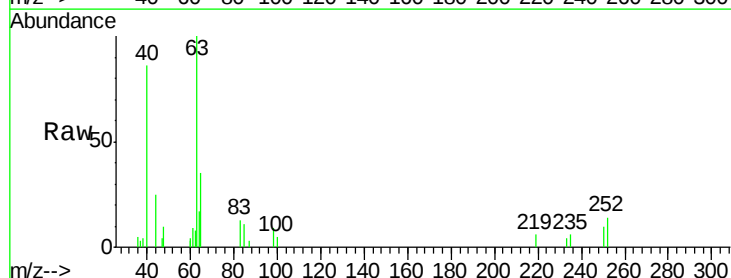
Instrument :
MSVOA_X
ClientSampleId :
M1-T5-UV-(PRE)

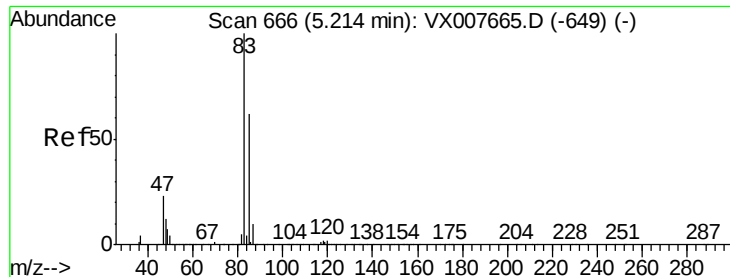
Tot Ion:	84	Resp:	670
Ion	Ratio	Lower	Upper
84	100		
49	148.4	94.8	142.2#
51	55.7	29.8	44.8#
86	74.2	54.1	81.1



#24
1,1-Dichloroethane
Concen: 0.820 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

Tgt Ion:	63	Resp:	4651
Ion	Ratio	Lower	Upper
63	100		
98	9.5	3.6	10.8
100	4.6	2.5	7.4

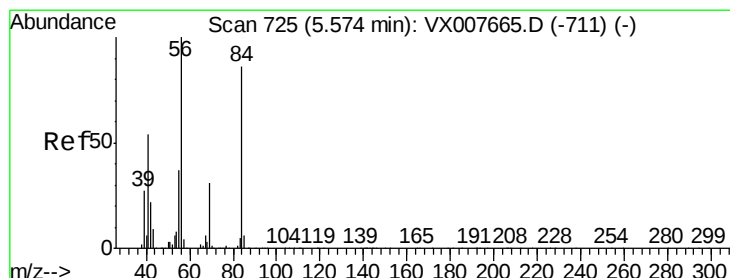
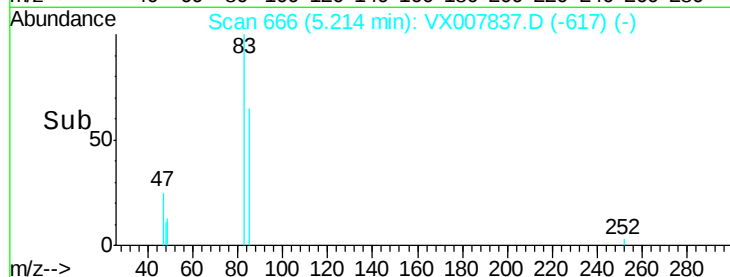
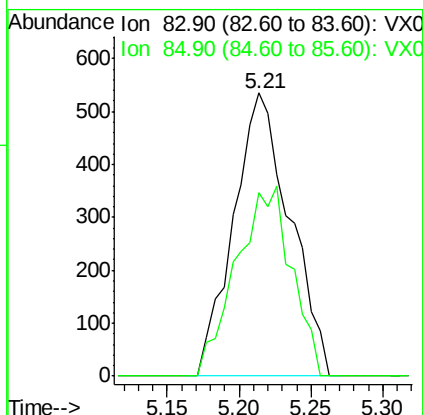
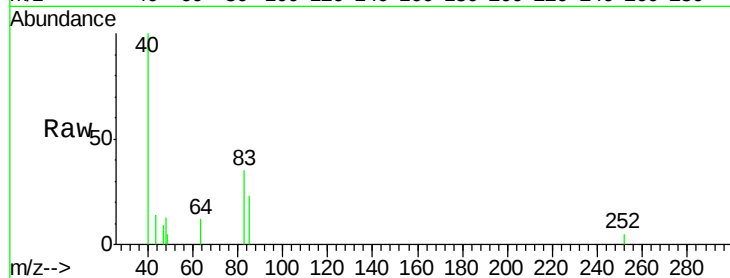




#30
Chloroform
Concen: 0.240 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

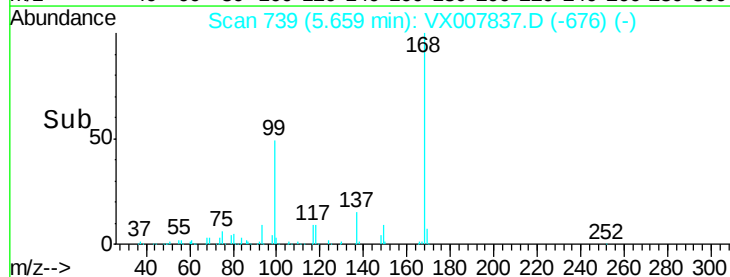
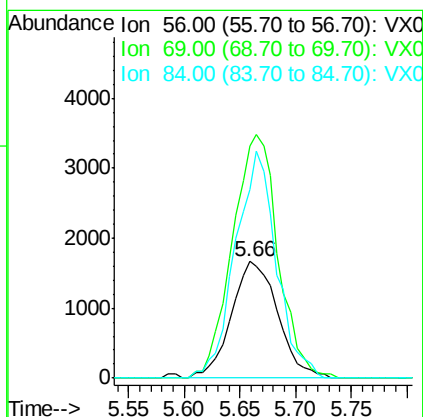
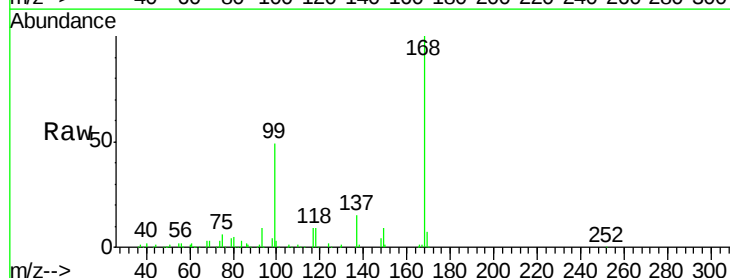
Instrument :
MSVOA_X
ClientSampleId :
M1-T5-UV-(PRE)

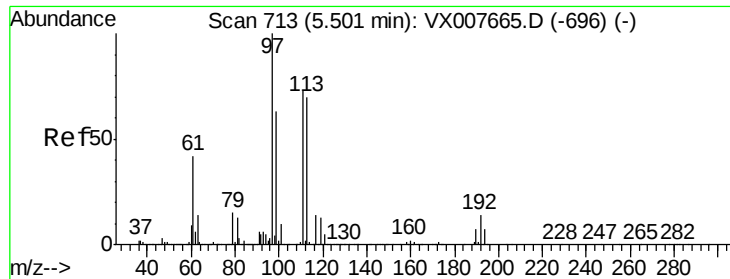
Tot Ion: 83 Resp: 1456
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4



#31
Cyclohexane
Concen: 0.907 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

Tgt Ion: 56 Resp: 4840
Ion Ratio Lower Upper
56 100
69 199.0 23.0 34.6#
84 162.3 69.8 104.6#





#32

1,1,1-Trichloroethane

Concen: 0.399 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

M1-T5-UV-(PRE)

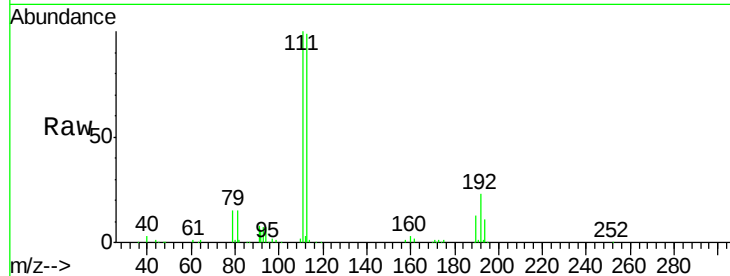
Tot Ion: 97 Resp: 2003

Ion Ratio Lower Upper

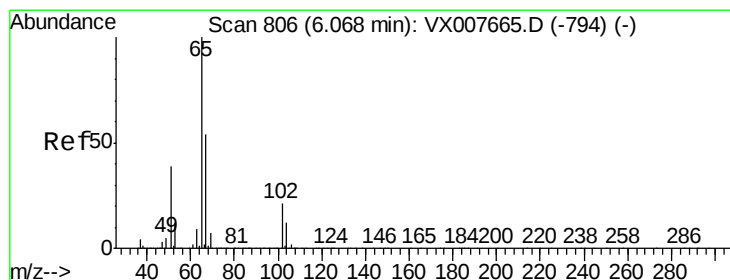
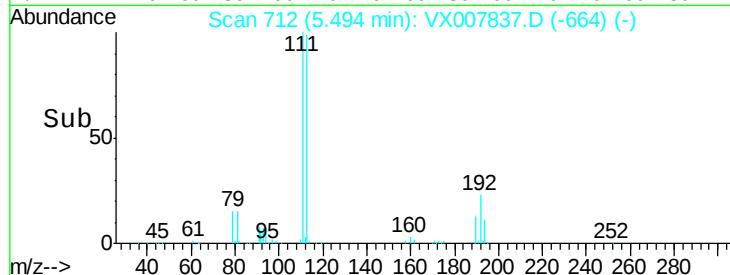
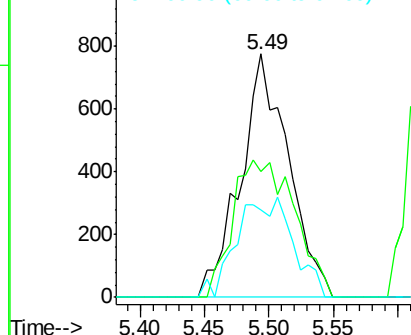
97 100

99 0.0 52.2 78.2#

61 48.1 32.7 49.1



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 44.579 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007837.D

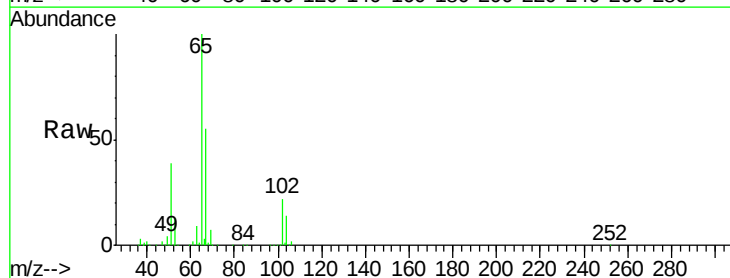
Acq: 05 Mar 2019 15:15

Tgt Ion: 65 Resp: 171156

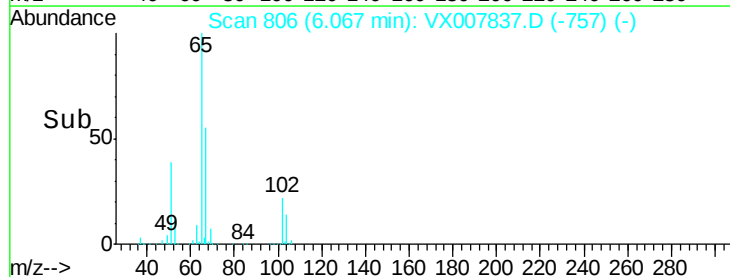
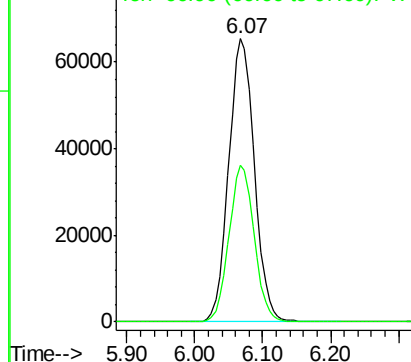
Ion Ratio Lower Upper

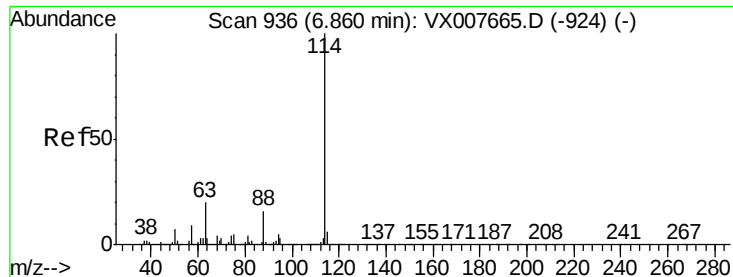
65 100

67 54.3 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

M1-T5-UV-(PRE)

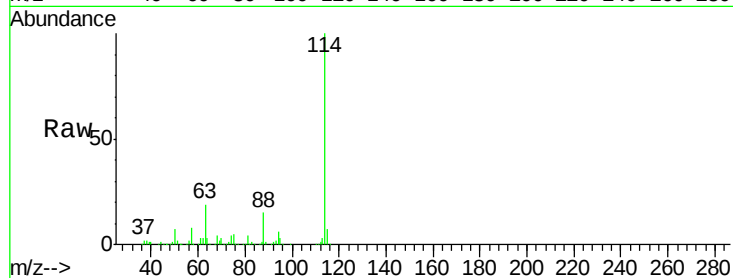
Tot Ion:114 Resp: 480055

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.6

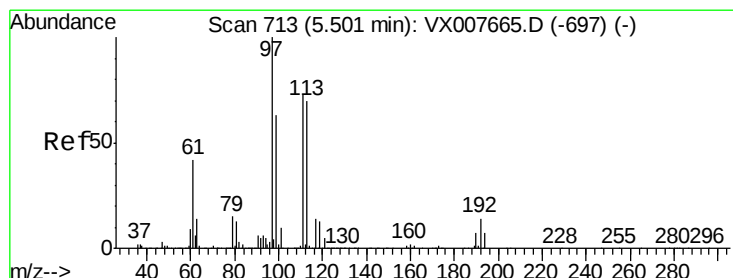
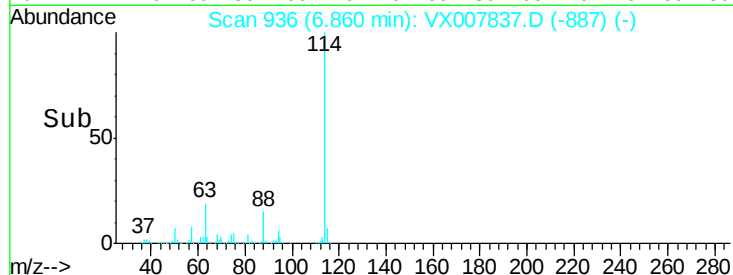
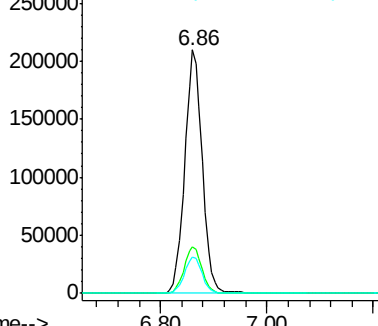
88 14.7 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.806 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

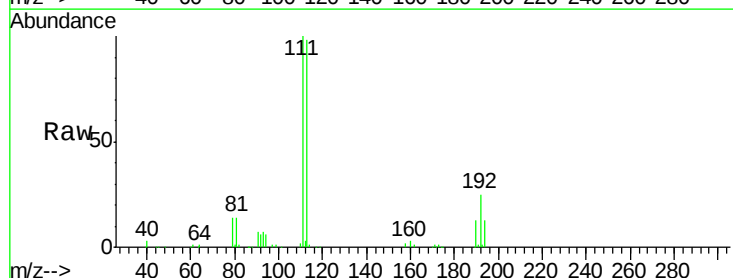
Tgt Ion:113 Resp: 159828

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

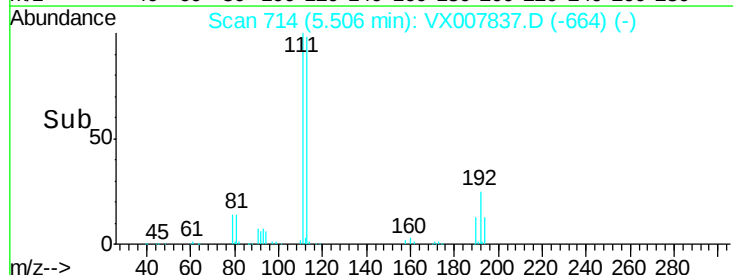
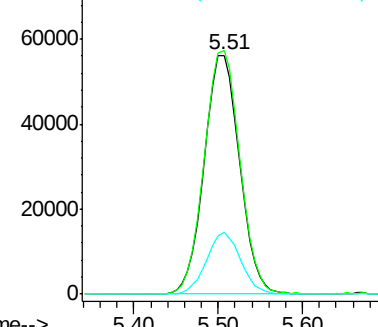
192 24.8 18.5 27.7

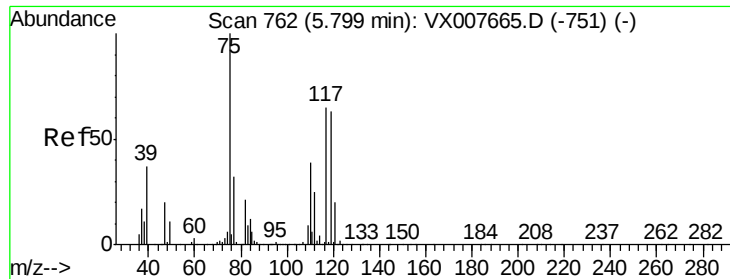


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

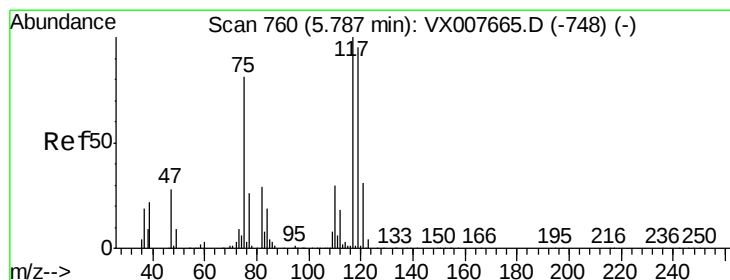
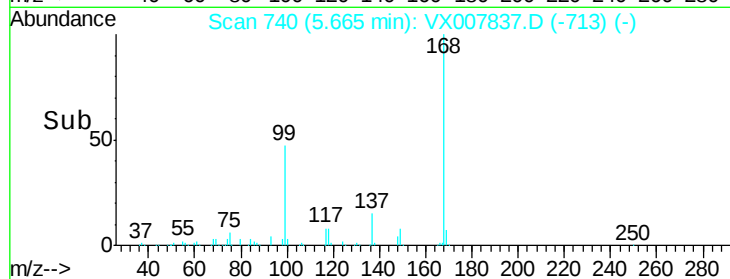
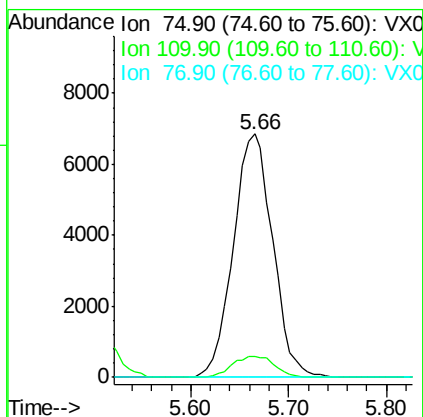
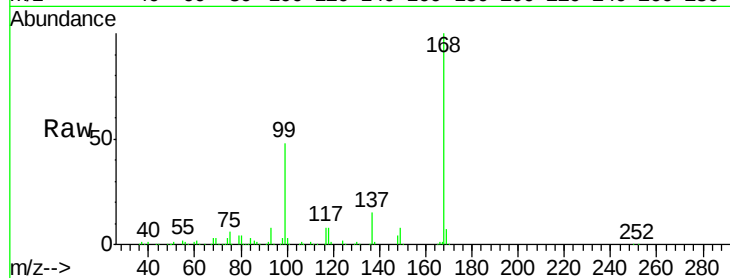




#36
 1,1-Dichloropropene
 Concen: 4.440 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007837.D
 Acq: 05 Mar 2019 15:15

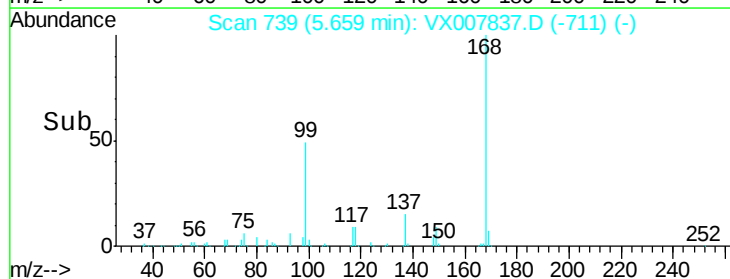
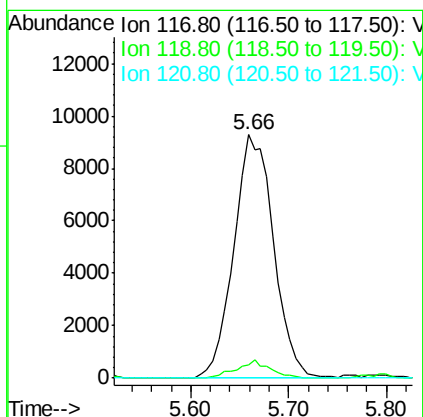
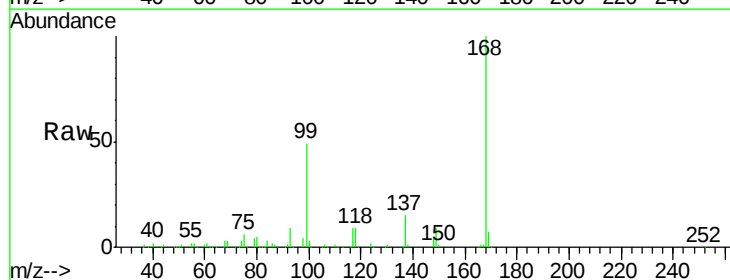
Instrument :
 MSVOA_X
 ClientSampleId :
 M1-T5-UV-(PRE)

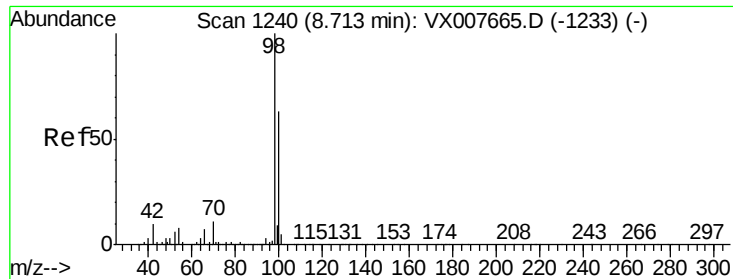
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.3	20.0	59.9#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.045 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX007837.D
 Acq: 05 Mar 2019 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.3	112.9#
121	0.0	25.0	37.4#





#50

Toluene-d8

Concen: 47.074 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

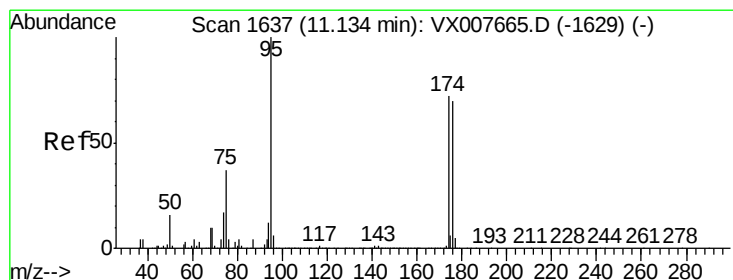
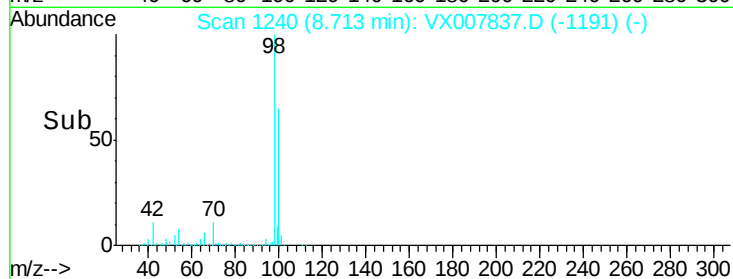
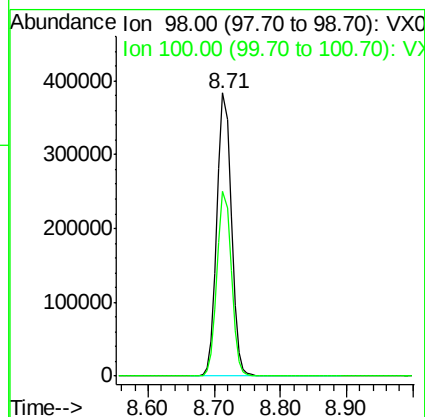
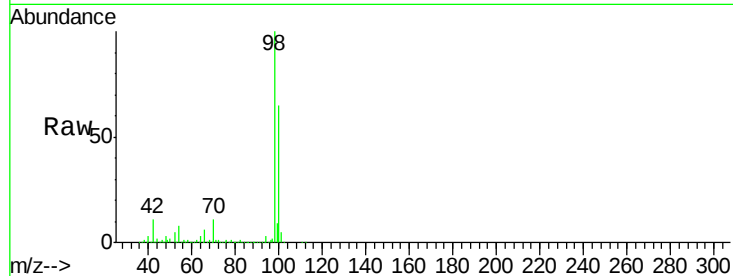
M1-T5-UV-(PRE)

Tot Ion: 98 Resp: 578324

Ion Ratio Lower Upper

98 100

100 64.9 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.810 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

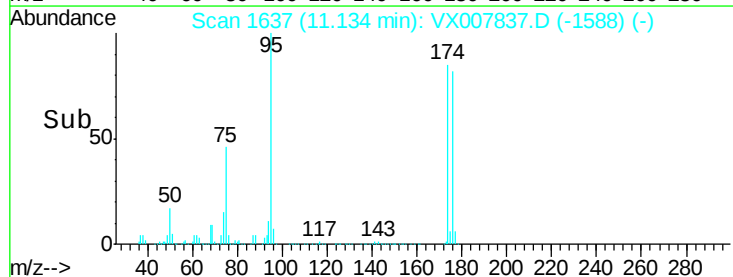
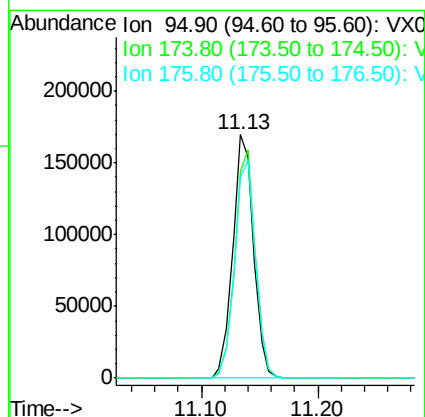
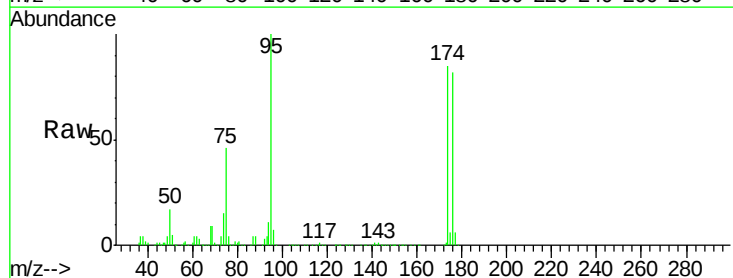
Tgt Ion: 95 Resp: 211075

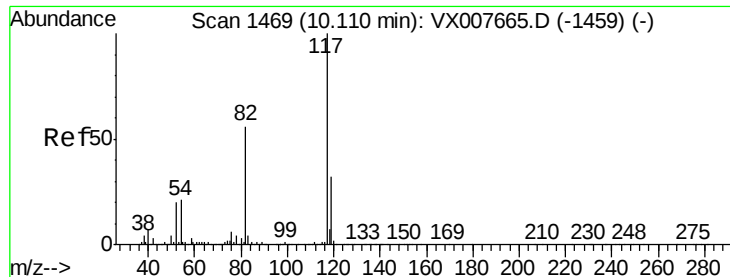
Ion Ratio Lower Upper

95 100

174 92.9 0.0 189.2

176 90.2 0.0 186.2

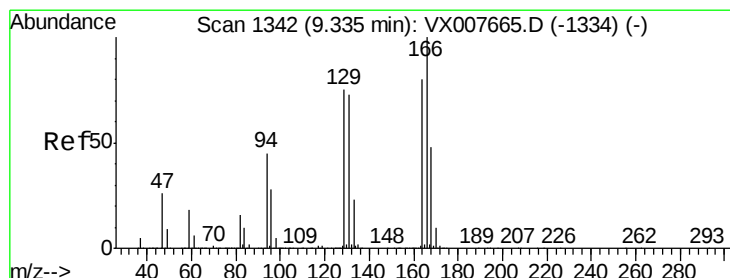
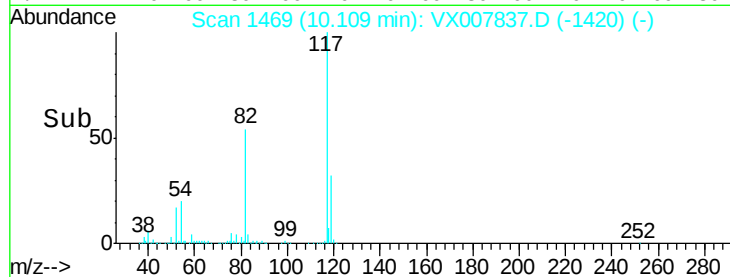
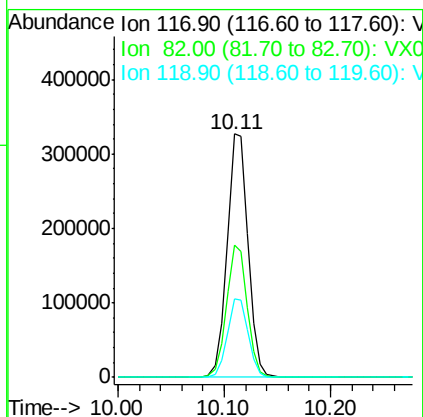
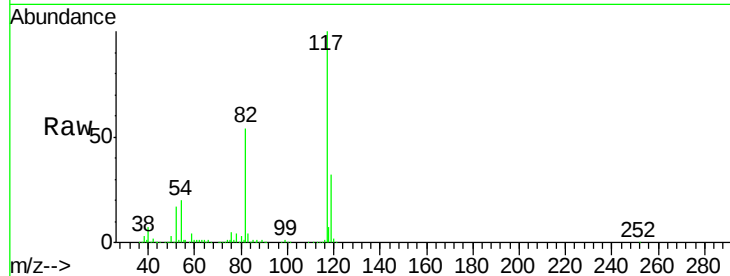




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

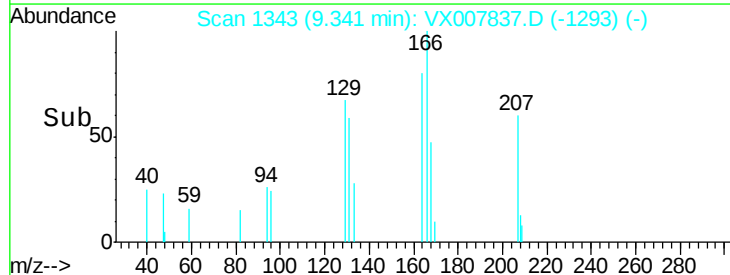
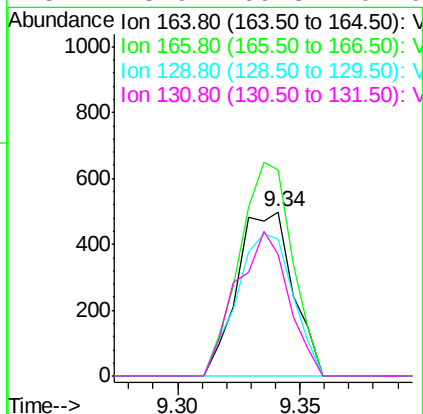
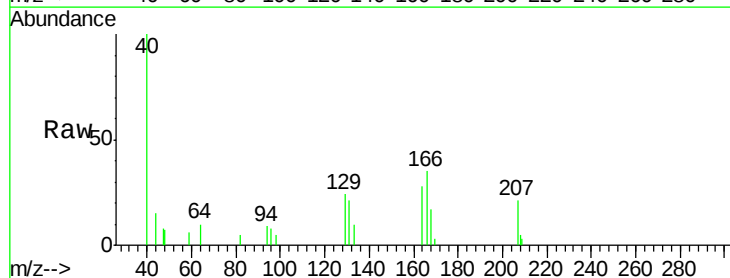
Instrument :
MSVOA_X
ClientSampled :
M1-T5-UV-(PRE)

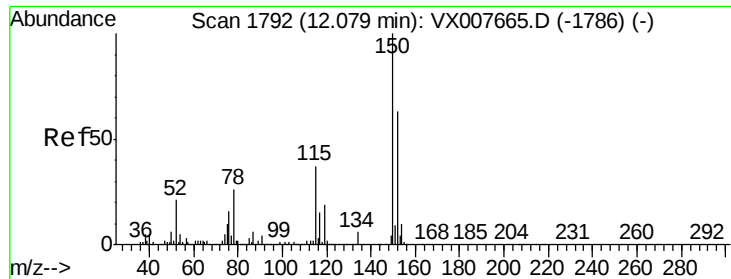
Tot Ion:117 Resp: 450203
Ion Ratio Lower Upper
117 100
82 54.4 42.1 63.1
119 32.2 26.5 39.7



#64
Tetrachloroethene
Concen: 0.216 ug/l
RT: 9.34 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

Tgt Ion:164 Resp: 789
Ion Ratio Lower Upper
164 100
166 125.7 101.0 151.4
129 83.6 70.5 105.7
131 73.9 69.8 104.6



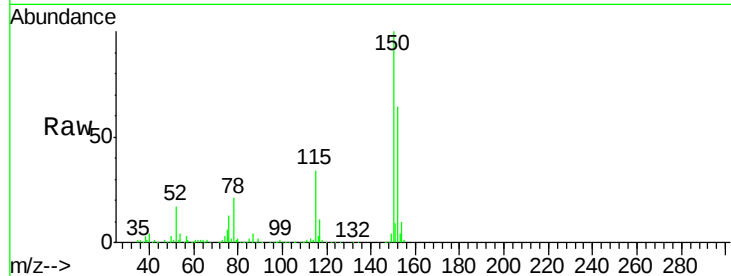


#72

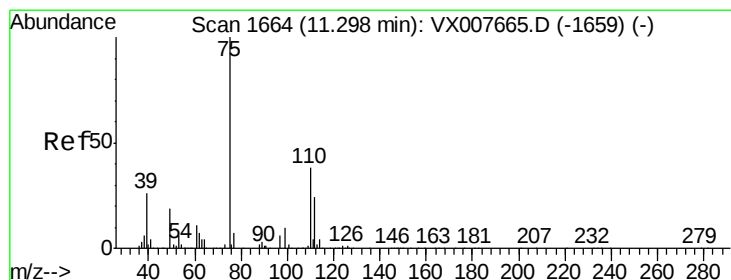
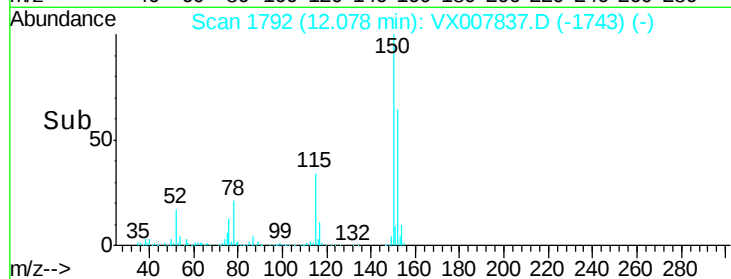
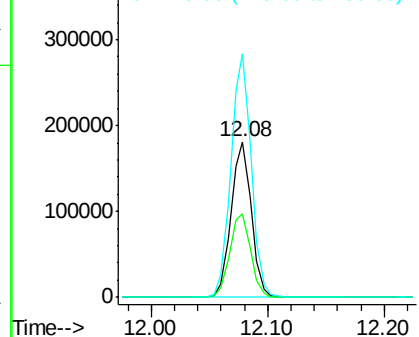
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

Instrument :
MSVOA_X
ClientSampleId :
M1-T5-UV-(PRE)

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.0	114.0
150	156.0	0.0	346.4



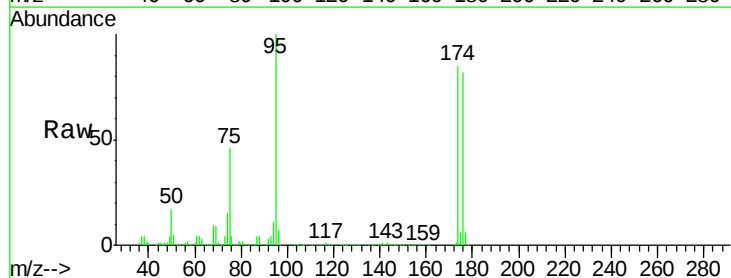
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



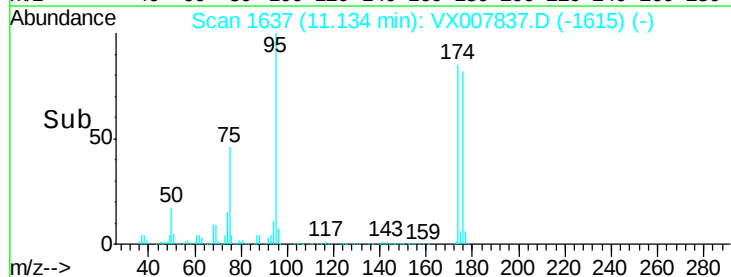
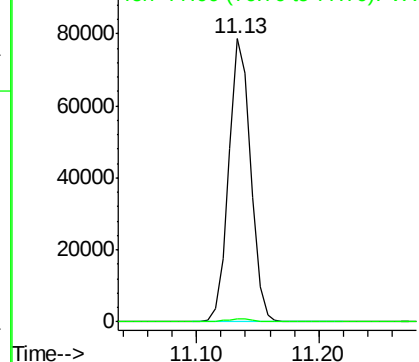
#76

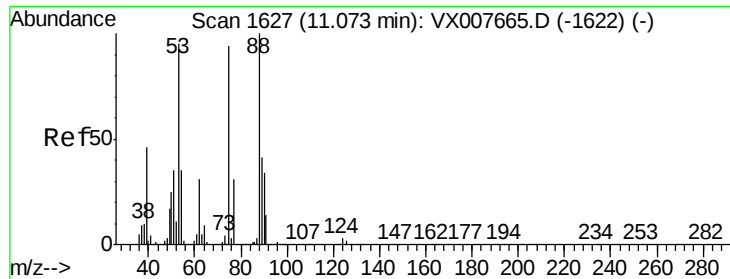
1,2,3-Trichloropropane
Concen: 20.955 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007837.D
Acq: 05 Mar 2019 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	23.0	69.0#



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: 55.783 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007837.D

Acq: 05 Mar 2019 15:15

Instrument :

MSVOA_X

ClientSampleId :

M1-T5-UV-(PRE)

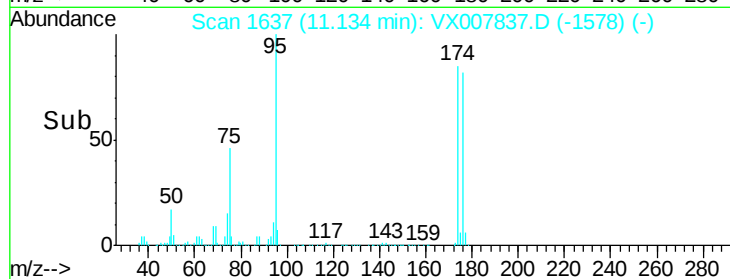
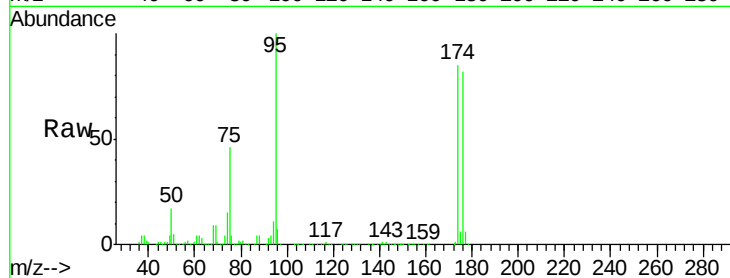
Tot Ion: 75 Resp: 97296

Ion Ratio Lower Upper

75 100

53 0.1 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

