

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030519\
 Data File : VX007846.D
 Acq On : 05 Mar 2019 19:14
 Operator : JC/SP
 Sample : K1659-13RE
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M2-T5-UV(POSTHYPO)RE

Quant Time: Mar 06 00:13:49 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	5.61	168	75274	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	6.83	114	38917	50.00	ug/l	-0.03
63) Chlorobenzene-d5	10.11	117	148809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131151	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	2876	3.08	ug/l	-0.03
Spiked Amount			Recovery	=	6.16%	
35) Dibromofluoromethane	5.45	113	2138	8.22	ug/l	-0.05
Spiked Amount			Recovery	=	16.44%	
50) Toluene-d8	8.70	98	160057	160.71	ug/l	-0.01
Spiked Amount			Recovery	=	321.42%	
62) 4-Bromofluorobenzene	11.13	95	102301	279.86	ug/l	0.00
Spiked Amount			Recovery	=	559.72%	

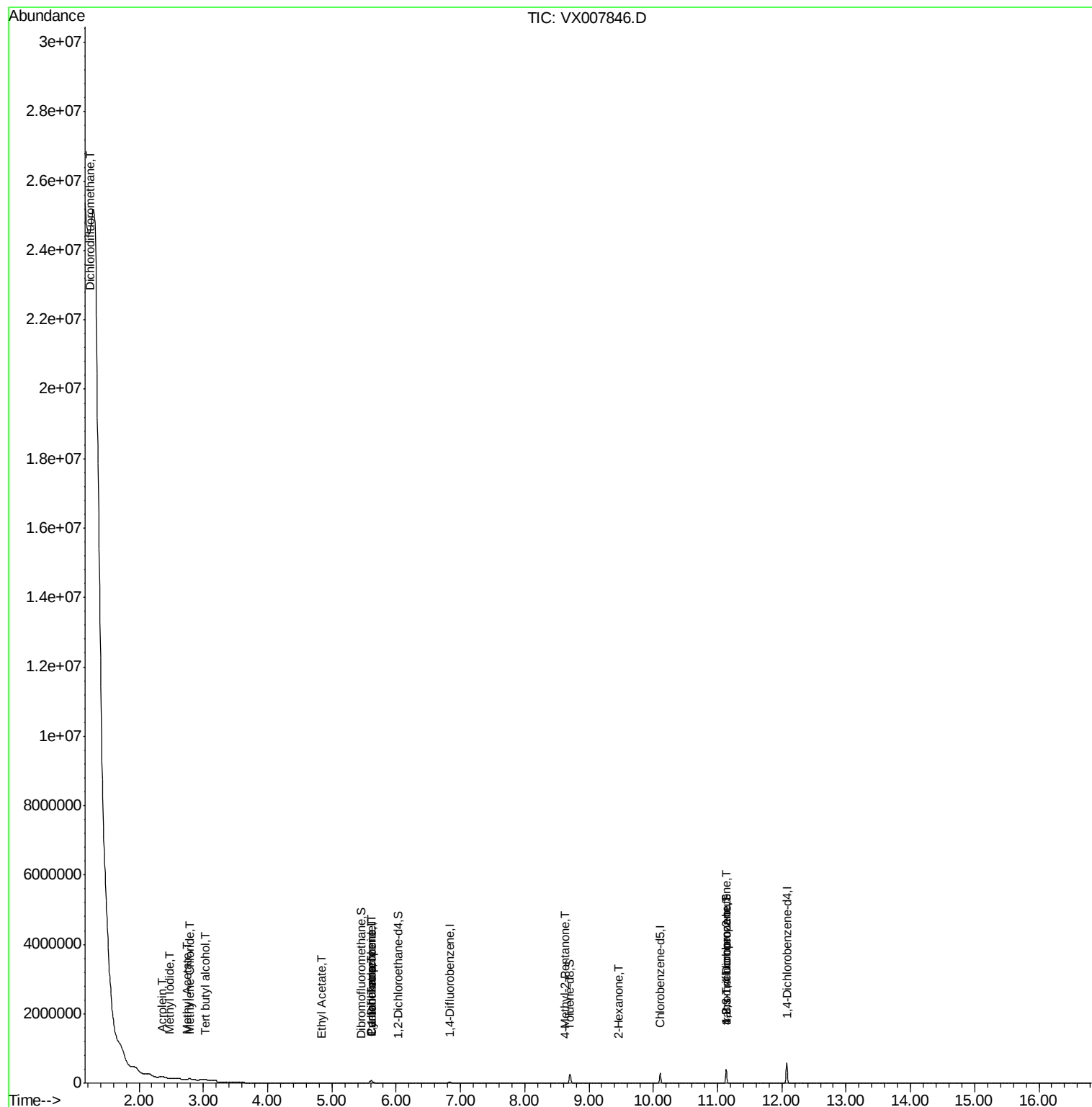
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.24	85	200	0.288	ug/l #	43
5) Bromomethane	1.61	94	94	Below Cal	#	52
10) Methyl Iodide	2.48	142	265	0.291	ug/l #	60
11) Tert butyl alcohol	3.03	59	50	0.283	ug/l #	73
13) Acrolein	2.35	56	39	0.248	ug/l #	59
18) Methyl Acetate	2.75	43	236	0.261	ug/l #	51
20) Methylene Chloride	2.79	84	1309	1.710	ug/l	96
31) Cyclohexane	5.62	56	1339	1.033	ug/l #	27
36) 1,1-Dichloropropene	5.62	75	4816	13.765	ug/l #	47
37) Ethyl Acetate	4.84	43	95	0.244	ug/l #	68
38) Carbon Tetrachloride	5.61	117	6463	18.389	ug/l #	19
51) 4-Methyl-2-Pentanone	8.63	43	307	0.767	ug/l #	36
59) 2-Hexanone	9.45	43	121	0.385	ug/l #	24
76) 1,2,3-Trichloropropane	11.13	75	47583	17.021	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	47583	45.876	ug/l #	9

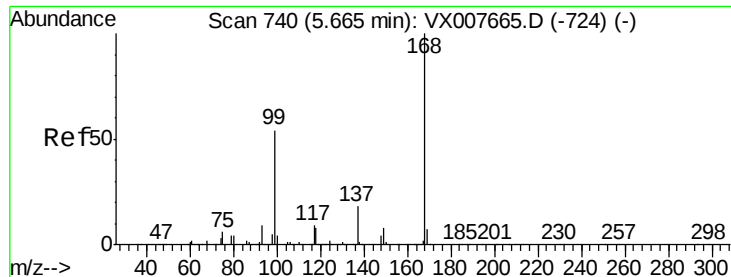
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 731

Delta R.T. -0.05 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

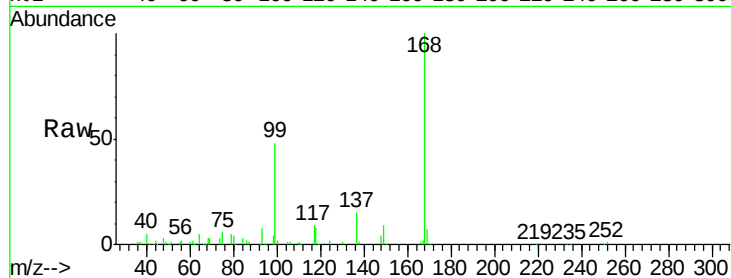
M2-T5-UV(POSTHYPO)RE

Tot Ion:168 Resp: 75274

Ion Ratio Lower Upper

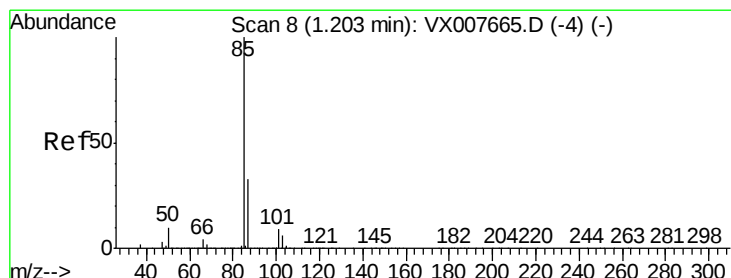
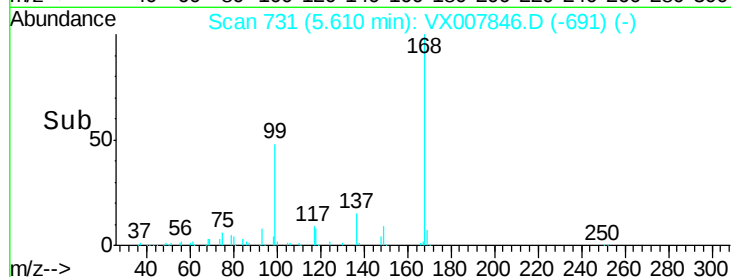
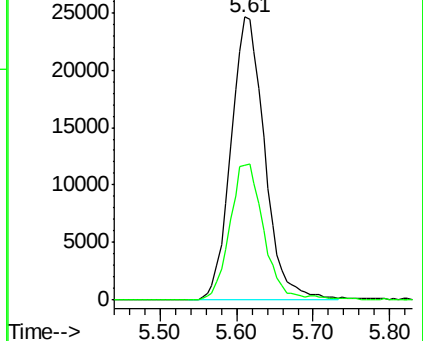
168 100

99 47.6 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.288 ug/l

RT: 1.24 min Scan# 14

Delta R.T. 0.04 min

Lab File: VX007846.D

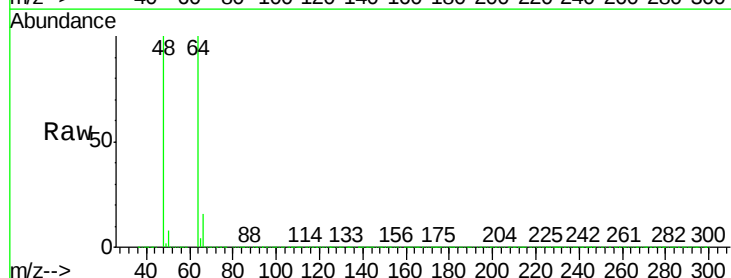
Acq: 05 Mar 2019 19:14

Tgt Ion: 85 Resp: 200

Ion Ratio Lower Upper

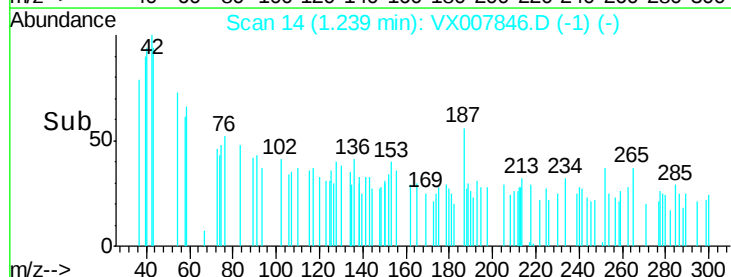
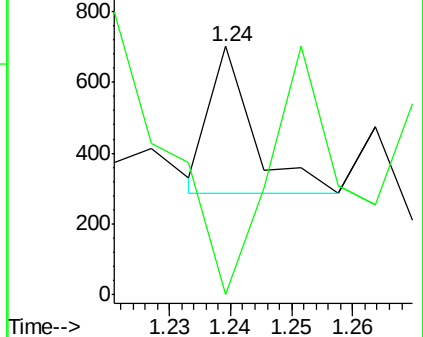
85 100

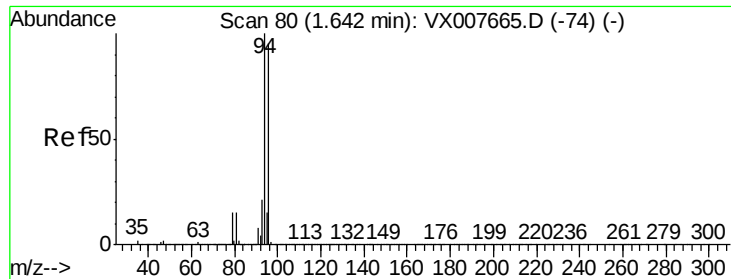
87 0.0 15.8 47.4#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 75

Delta R.T. -0.03 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

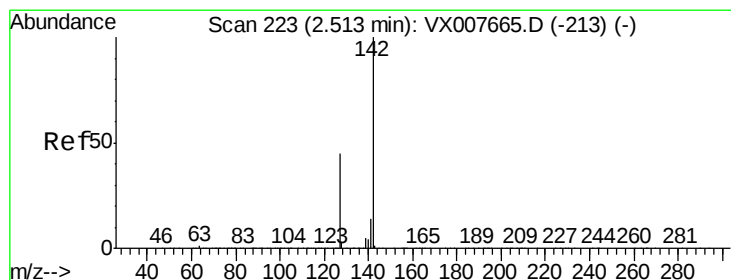
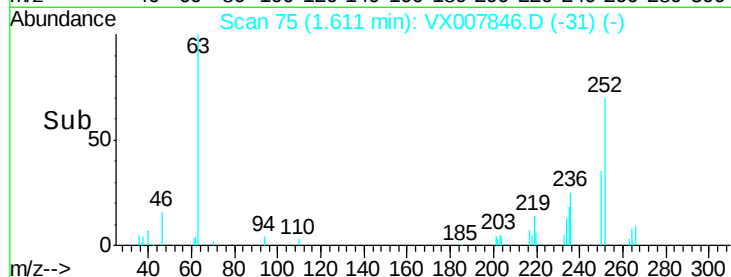
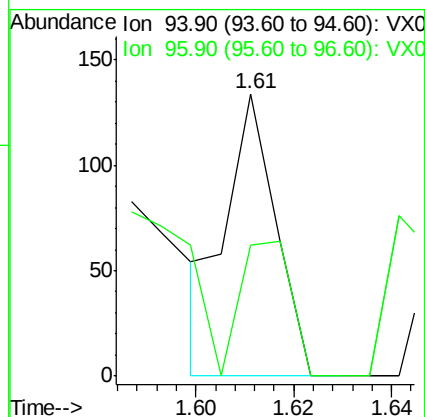
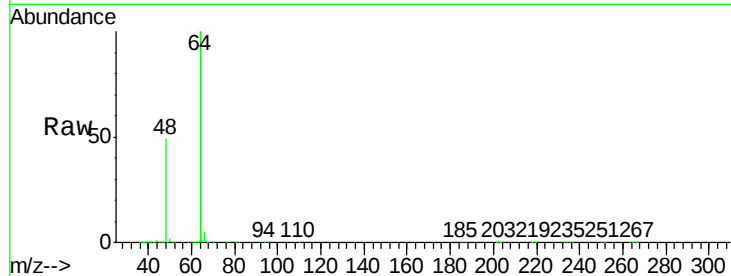
M2-T5-UV(POSTHYPO)RE

Tot Ion: 94 Resp: 94

Ion Ratio Lower Upper

94 100

96 46.3 73.9 110.9#



#10

Methyl Iodide

Concen: 0.291 ug/l

RT: 2.48 min Scan# 218

Delta R.T. -0.03 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

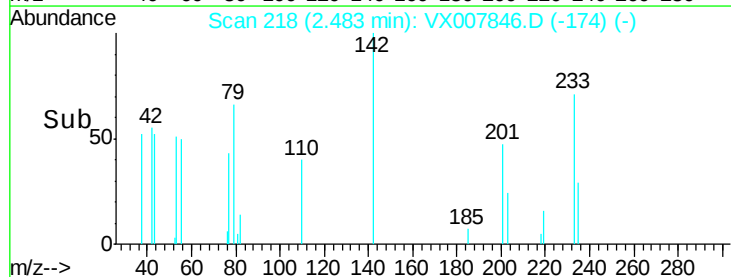
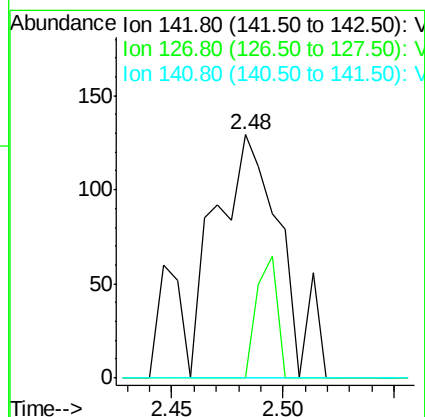
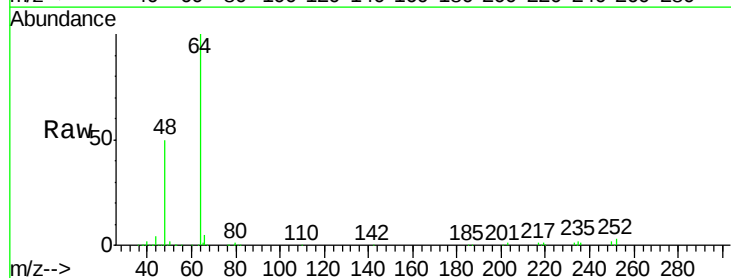
Tgt Ion: 142 Resp: 265

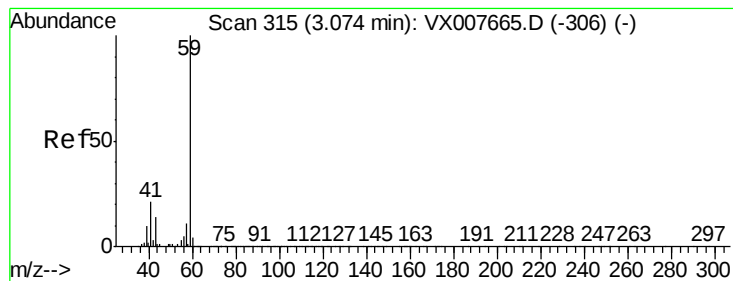
Ion Ratio Lower Upper

142 100

127 15.8 33.7 50.5#

141 0.0 11.3 16.9#



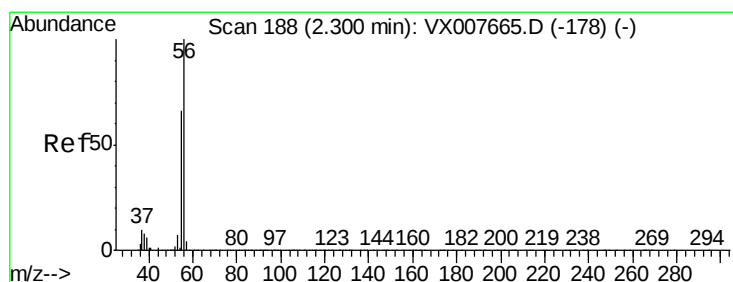
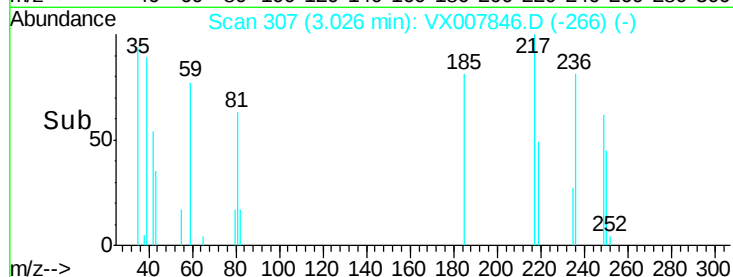
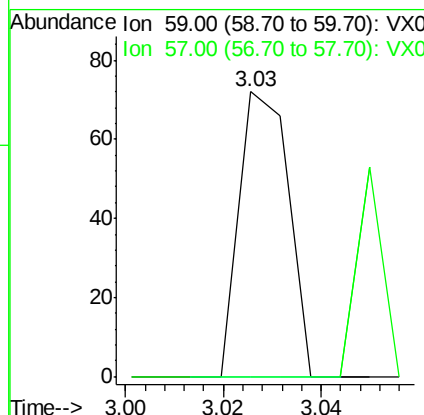
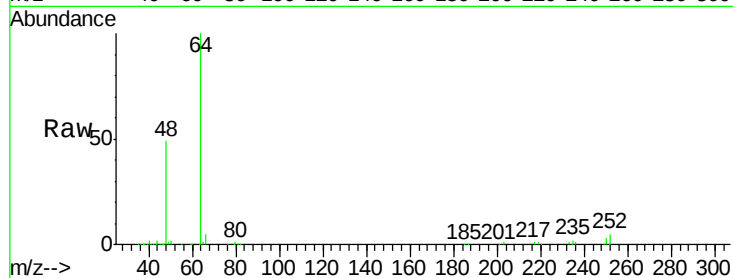


#11

Tert butvl alcohol
Concen: 0.283 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
M2-T5-UV(POSTHYPO)RE

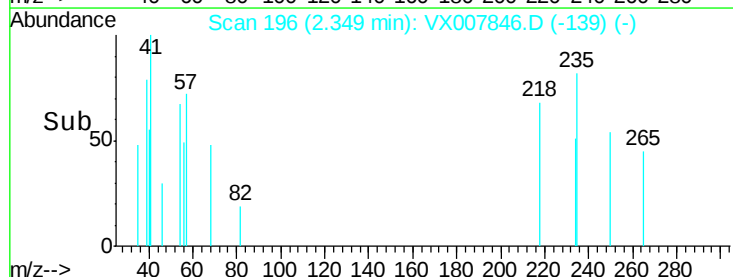
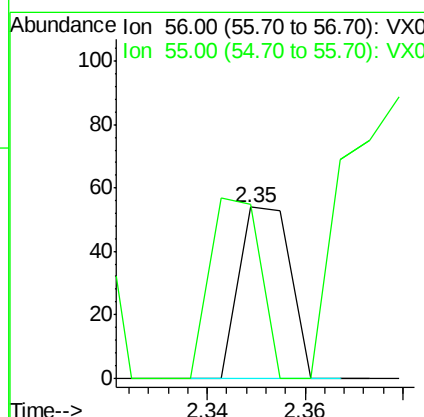
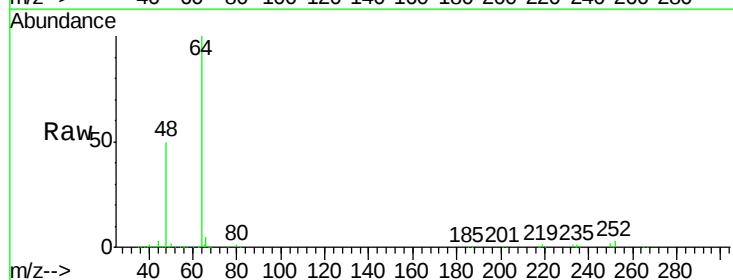
Tot Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

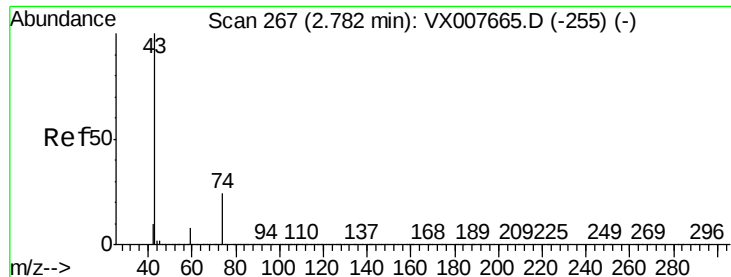


#13

Acrolein
Concen: 0.248 ug/l
RT: 2.35 min Scan# 196
Delta R.T. 0.05 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 105.1 56.9 85.3#

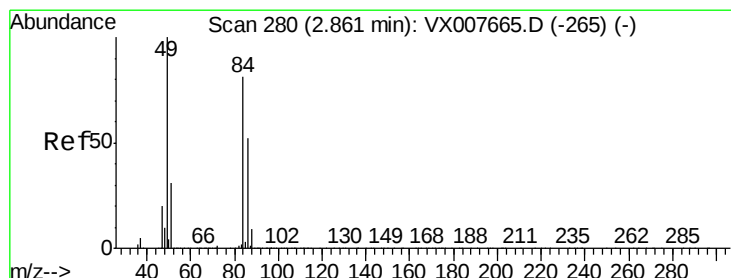
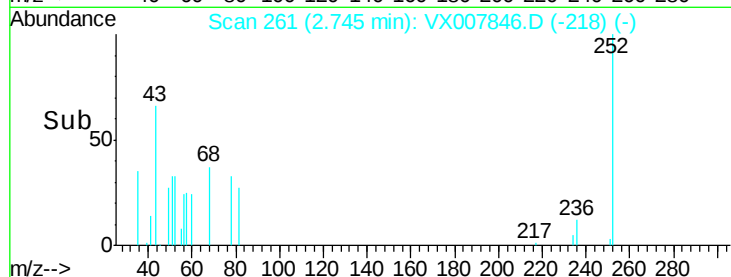
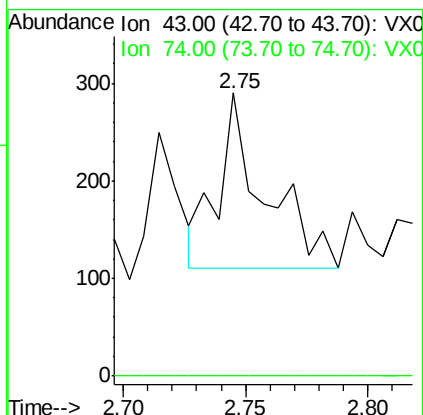
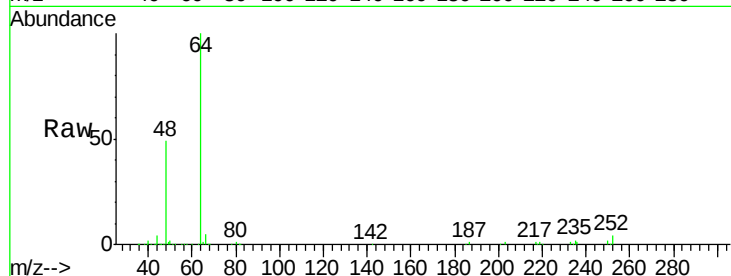




#18
Methyl Acetate
Concen: 0.261 ug/l
RT: 2.75 min Scan# 261
Delta R.T. -0.04 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

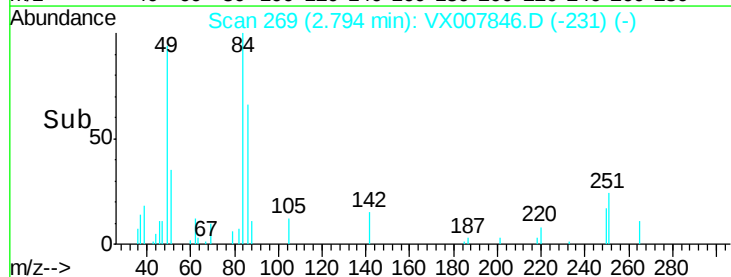
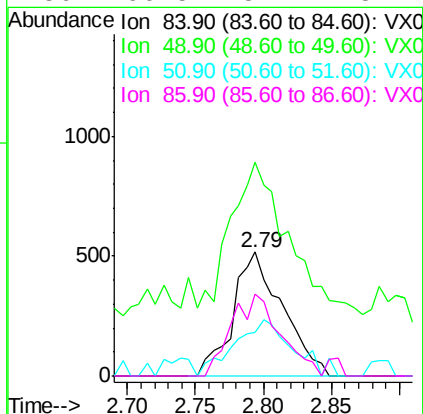
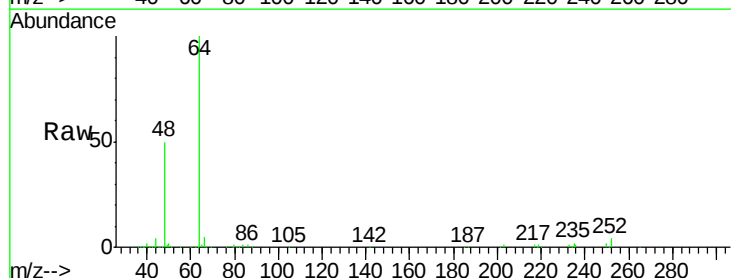
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-UV(POSTHYPO)RE

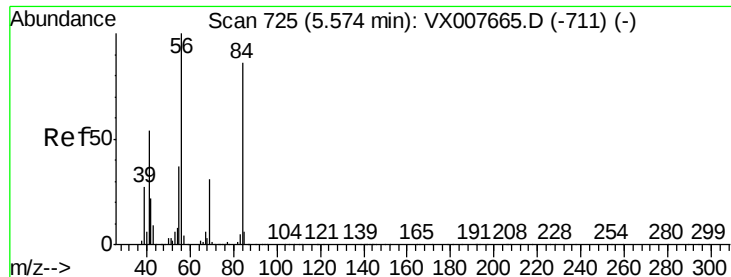
Tot Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 1.710 ug/l
RT: 2.79 min Scan# 269
Delta R.T. -0.07 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

Tgt Ion: 84 Resp: 1309
Ion Ratio Lower Upper
84 100
49 113.0 94.8 142.2
51 35.3 29.8 44.8
86 66.5 54.1 81.1





#31

Cyclohexane

Concen: 1.033 ug/l

RT: 5.62 min Scan# 732

Delta R.T. 0.04 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-UV(POSTHYPO)RE

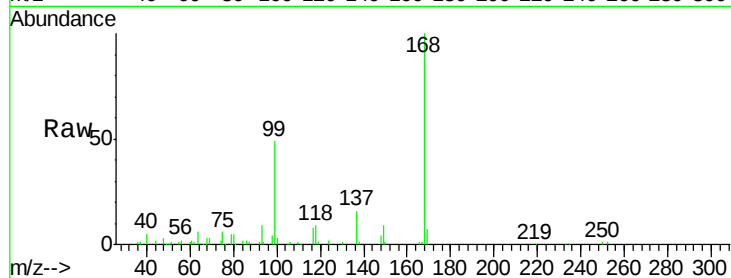
Tot Ion: 56 Resp: 1339

Ion Ratio Lower Upper

56 100

69 147.1 23.0 34.6#

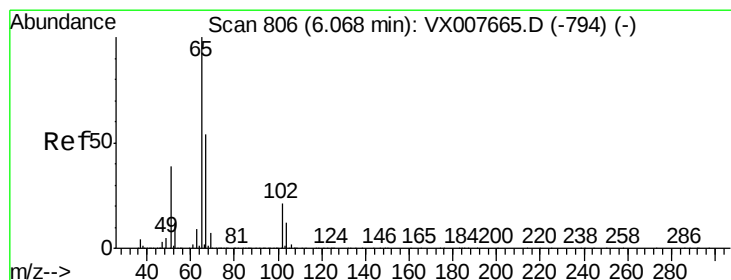
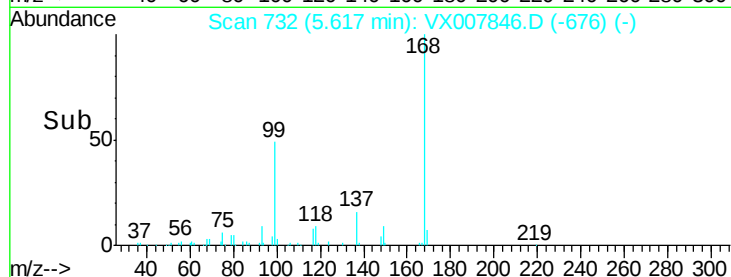
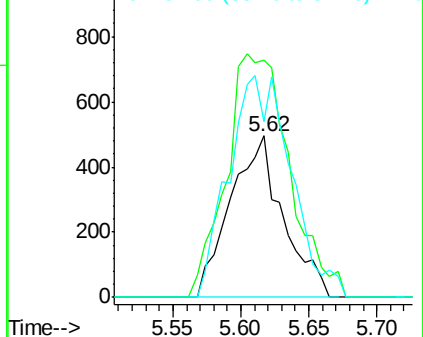
84 108.7 69.8 104.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 3.084 ug/l

RT: 6.04 min Scan# 801

Delta R.T. -0.03 min

Lab File: VX007846.D

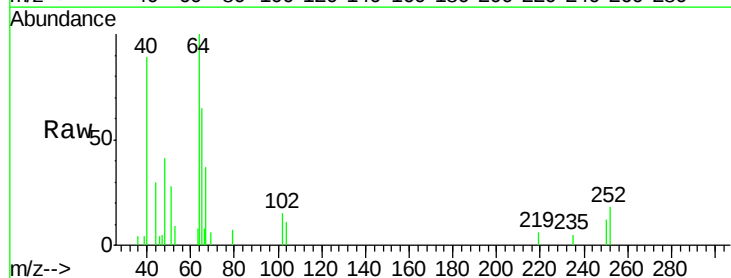
Acq: 05 Mar 2019 19:14

Tgt Ion: 65 Resp: 2876

Ion Ratio Lower Upper

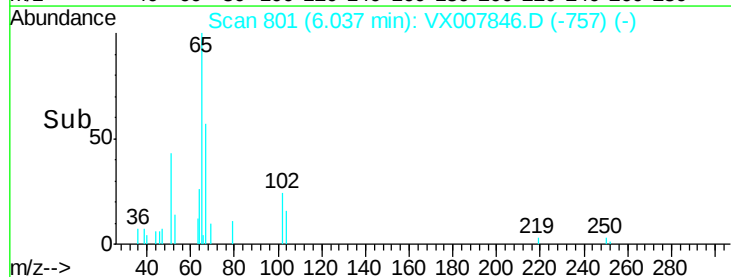
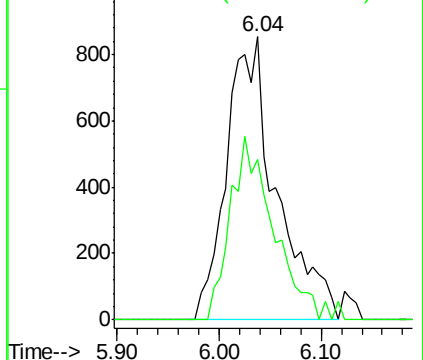
65 100

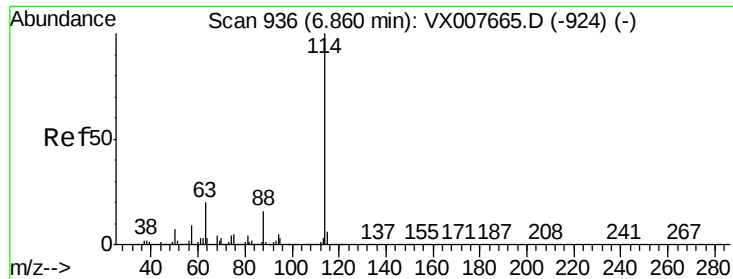
67 55.7 0.0 108.8



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: 6.83 min Scan# 931

Delta R.T. -0.03 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

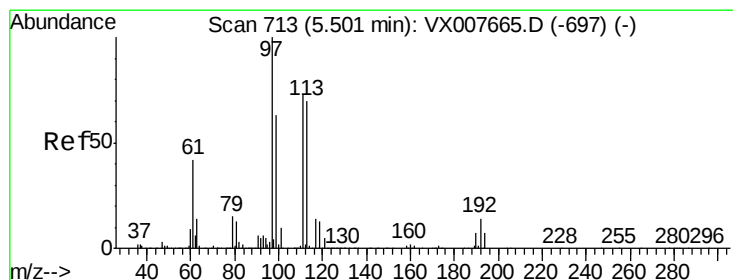
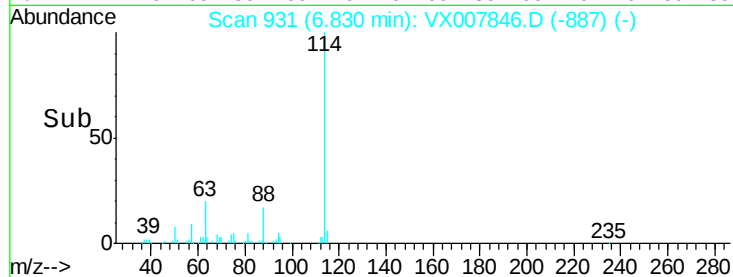
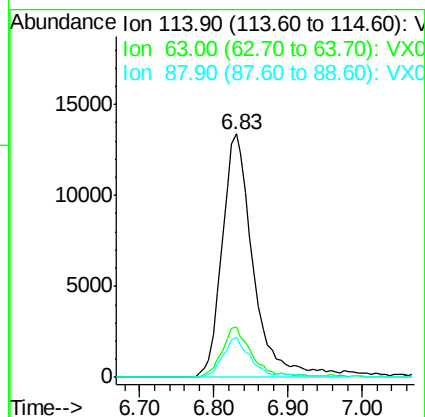
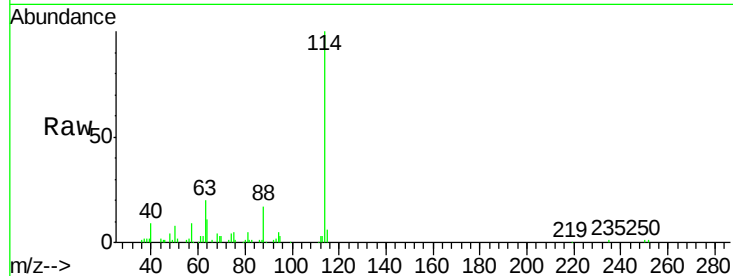
Instrument :

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ClientSampleId :

M2-T5-UV(POSTHYPO)RE

Tot Ion:114	Resp:	38917
Ion Ratio	Lower	Upper
114	100	
63	20.4	0.0 35.6
88	16.5	0.0 29.6



#35

Dibromofluoromethane

Concen: 8.218 ug/l

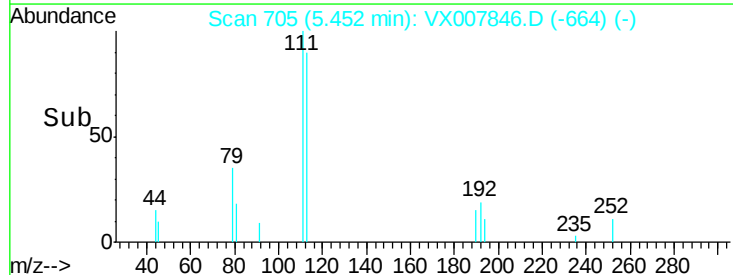
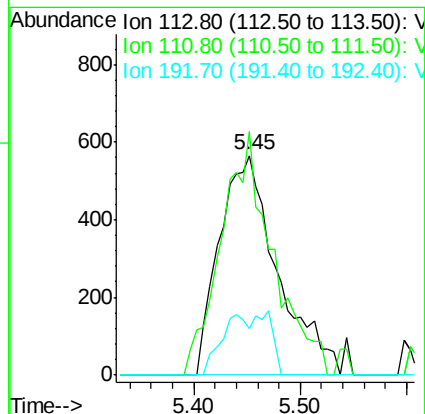
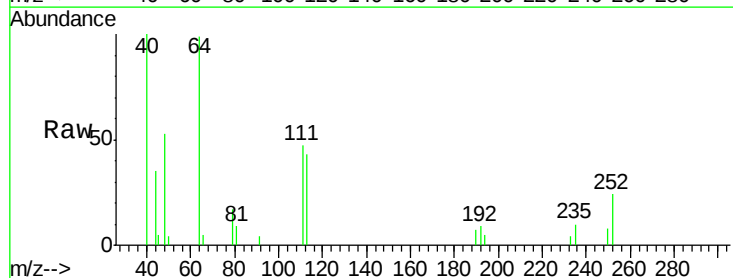
RT: 5.45 min Scan# 705

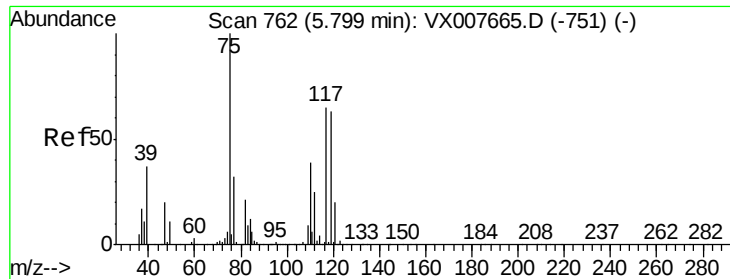
Delta R.T. -0.05 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Tgt Ion:113	Resp:	2138
Ion Ratio	Lower	Upper
113	100	
111	98.2	81.8 122.8
192	13.5	18.5 27.7#





#36

1,1-Dichloropropene

Concen: 13.765 ug/l

RT: 5.62 min Scan# 732

Delta R.T. -0.18 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-UV(POSTHYPO)RE

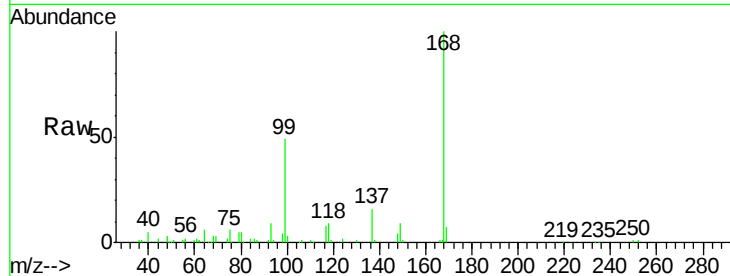
Tot Ion: 75 Resp: 4816

Ion Ratio Lower Upper

75 100

110 8.5 20.0 59.9#

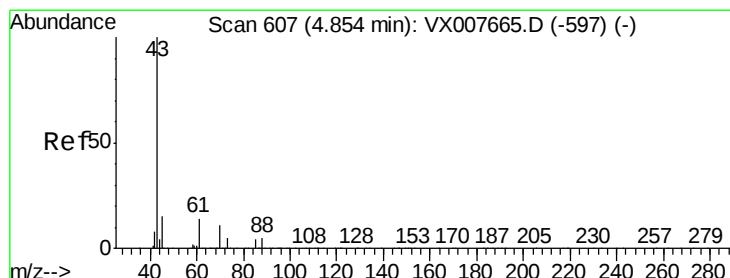
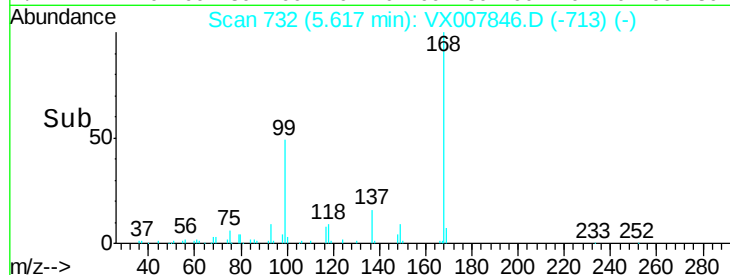
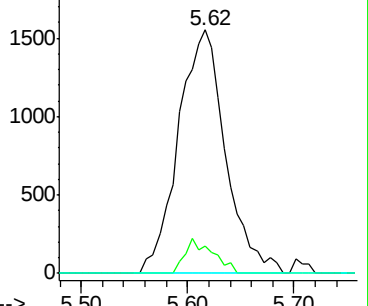
77 0.0 24.7 37.1#



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



#37

Ethyl Acetate

Concen: 0.244 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.02 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

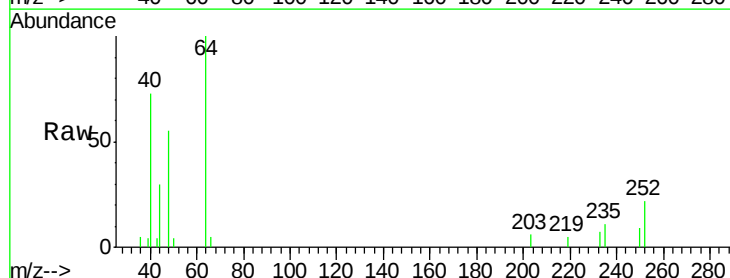
Tgt Ion: 43 Resp: 95

Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

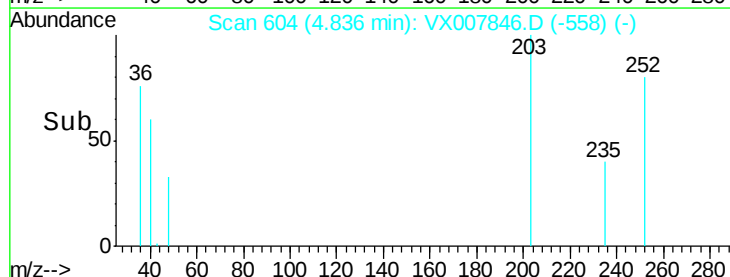
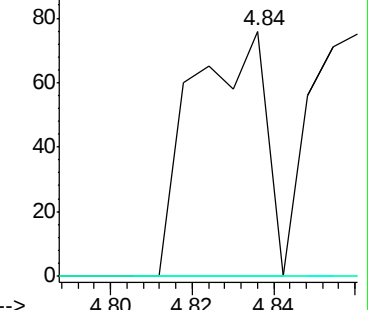
70 0.0 8.6 13.0#

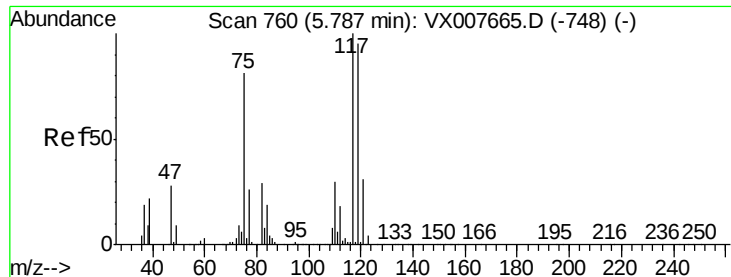


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 18.389 ug/l

RT: 5.61 min Scan# 731

Delta R.T. -0.18 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-UV(POSTHYPO)RE

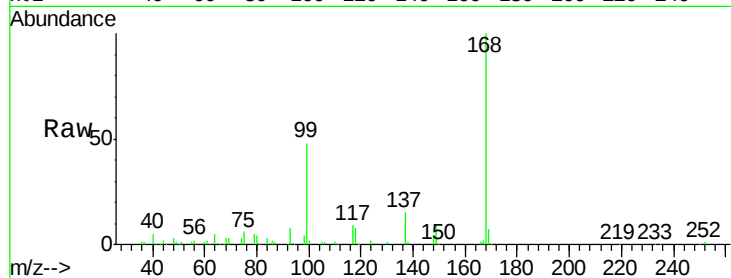
Tot Ion:117 Resp: 6463

Ion Ratio Lower Upper

117 100

119 8.1 75.3 112.9#

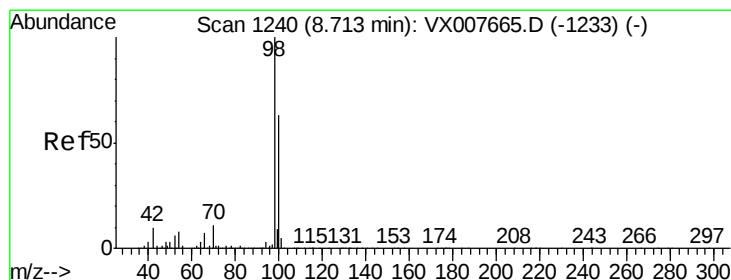
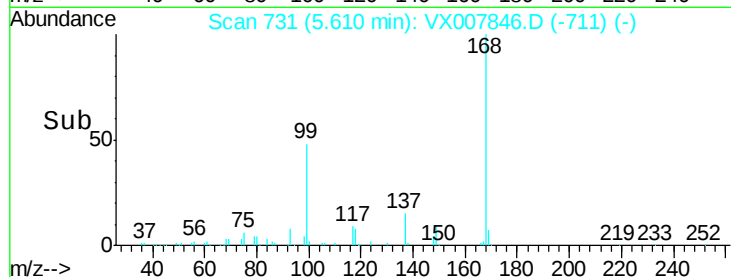
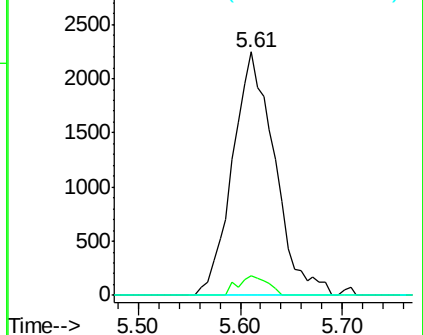
121 0.0 25.0 37.4#



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



#50

Toluene-d8

Concen: 160.709 ug/l

RT: 8.70 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VX007846.D

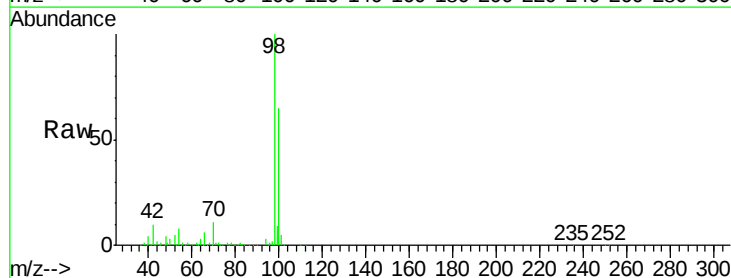
Acq: 05 Mar 2019 19:14

Tgt Ion: 98 Resp: 160057

Ion Ratio Lower Upper

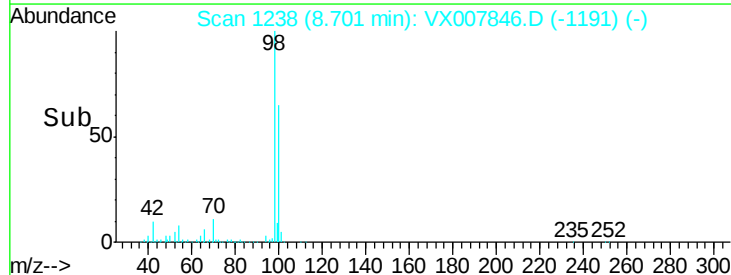
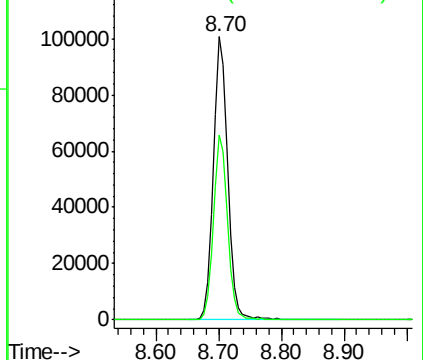
98 100

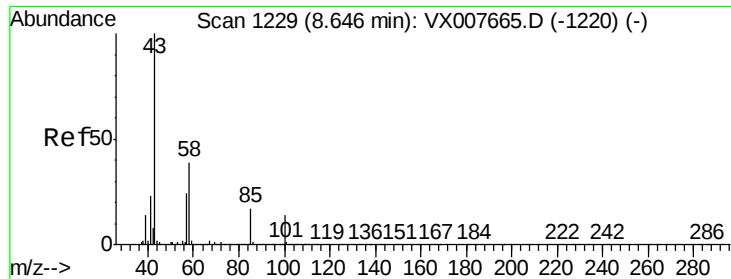
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

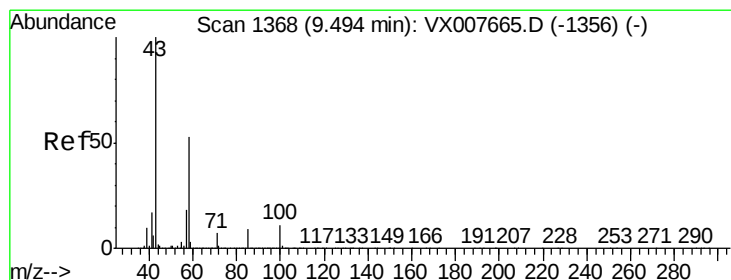
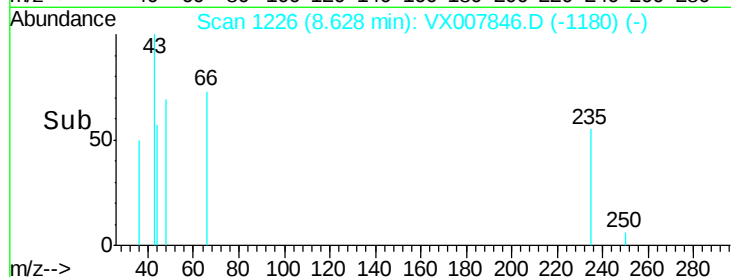
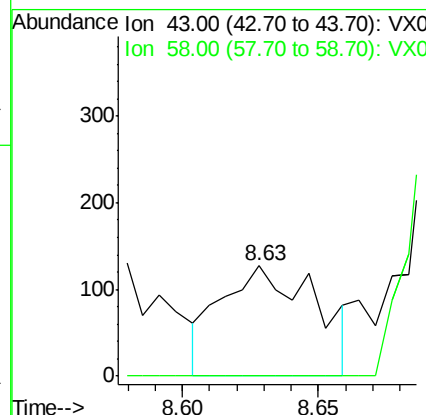
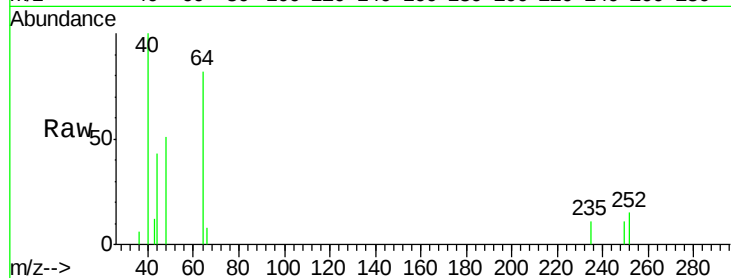




#51
4-Methyl-2-Pentanone
Concen: 0.767 ug/l
RT: 8.63 min Scan# 1226
Delta R.T. -0.02 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

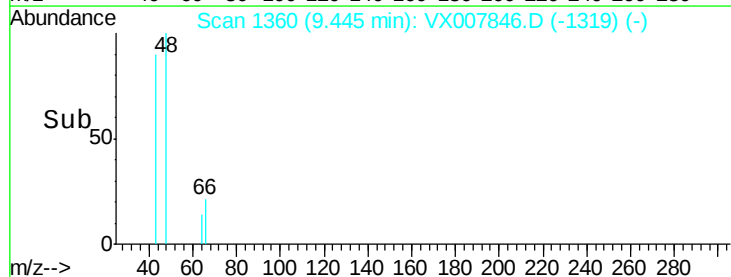
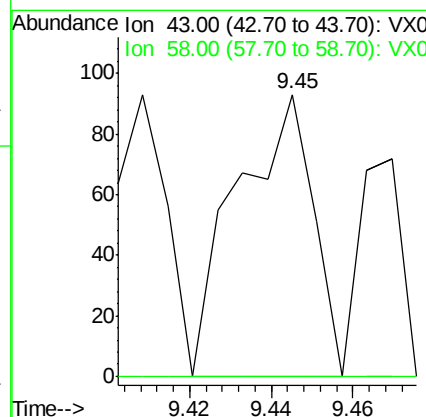
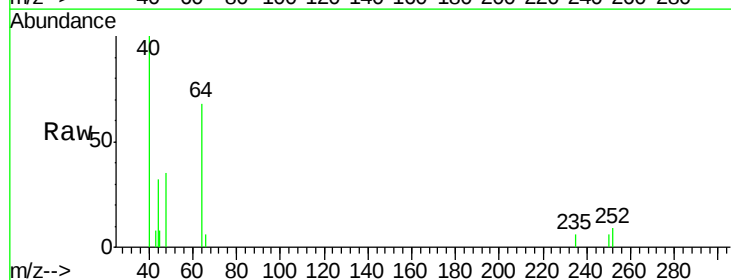
Instrument :
MSVOA_X
ClientSampleId :
M2-T5-UV(POSTHYPO)RE

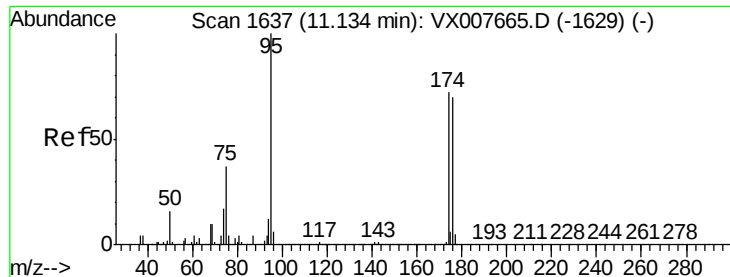
Tot Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
58 0.0 31.2 46.8#



#59
2-Hexanone
Concen: 0.385 ug/l
RT: 9.45 min Scan# 1360
Delta R.T. -0.05 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 27.1 81.3#





#62

4-Bromofluorobenzene

Concen: 279.857 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-UV(POSTHYPO)RE

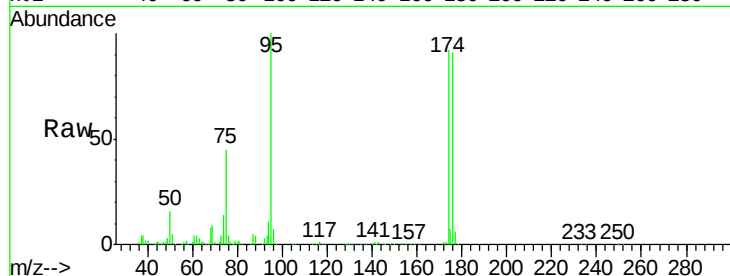
Tot Ion: 95 Resp: 102301

Ion Ratio Lower Upper

95 100

174 92.3 0.0 189.2

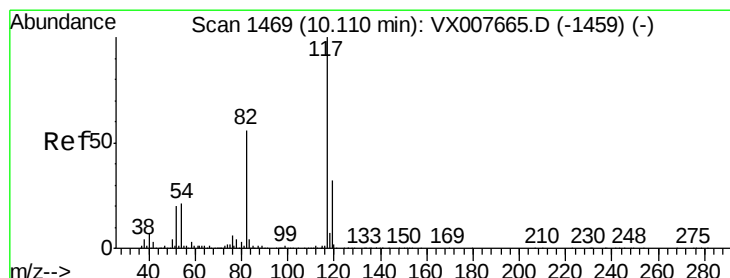
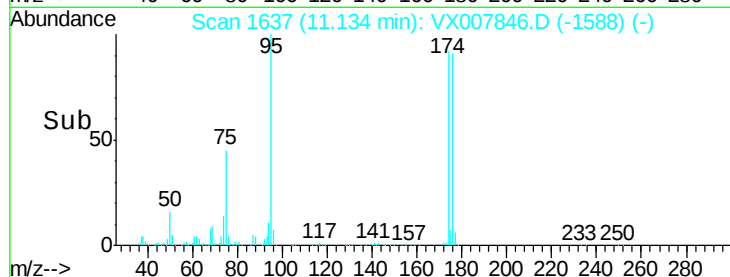
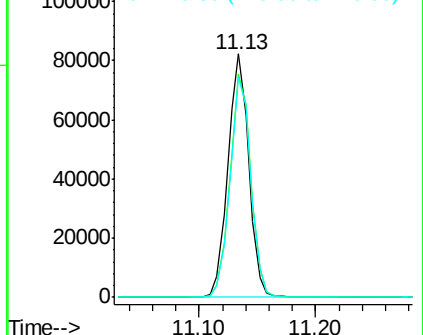
176 90.7 0.0 186.2



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: VX007846.D

Acq: 05 Mar 2019 19:14

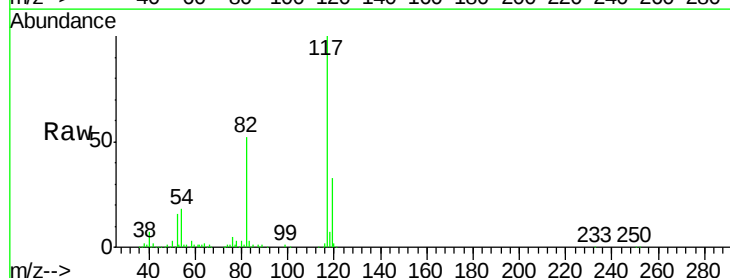
Tgt Ion: 117 Resp: 148809

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

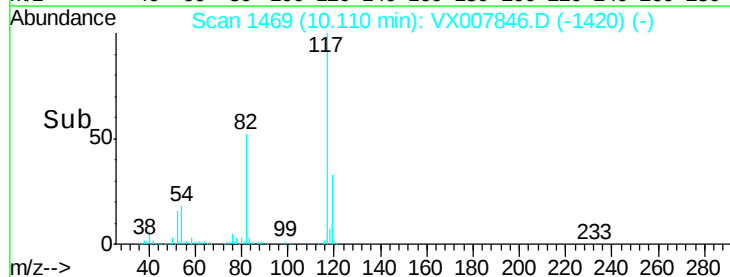
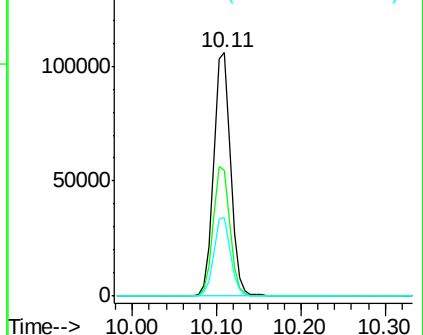
119 32.5 26.5 39.7

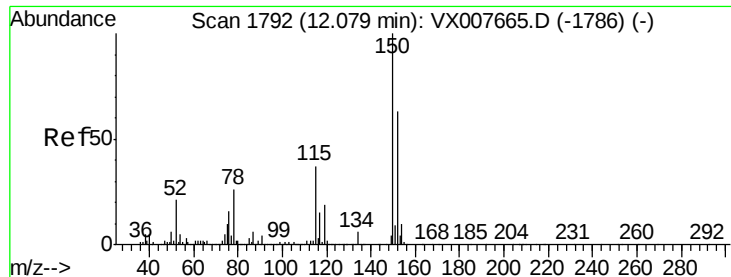


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



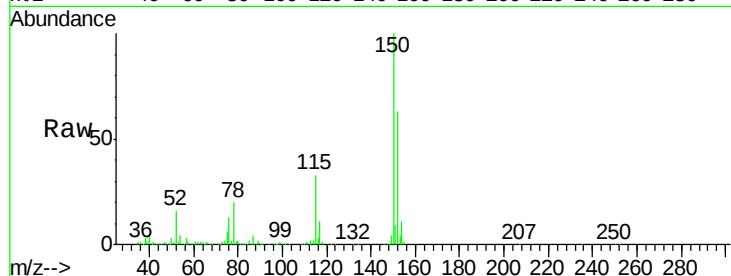


#72

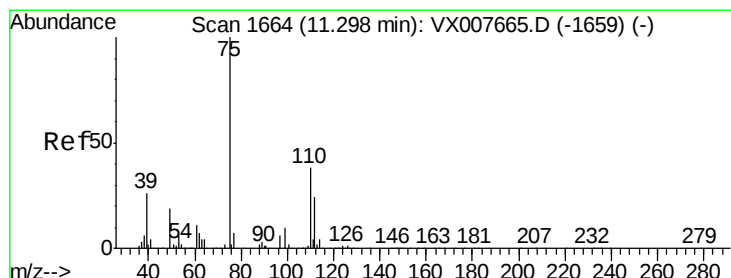
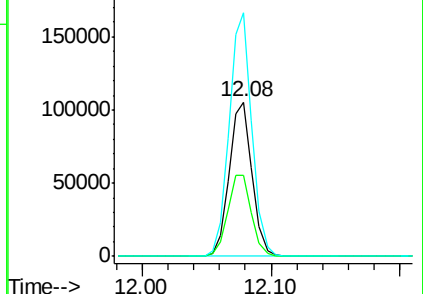
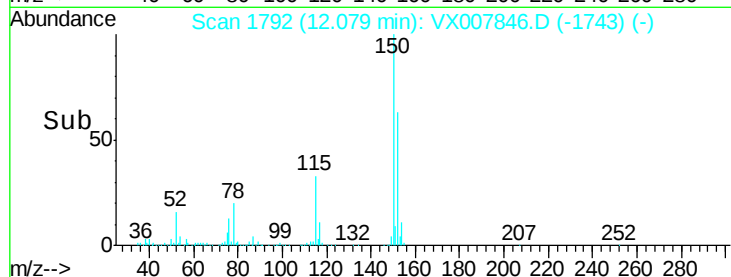
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

Instrument :
MSVOA_X
ClientSampleId :
M2-T5-UV(POSTHYPO)RE

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.6	38.0	114.0
150	156.4	0.0	346.4



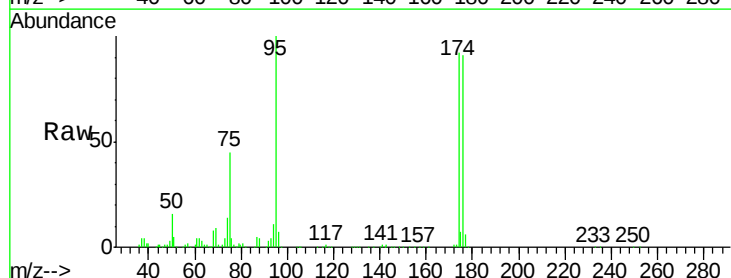
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



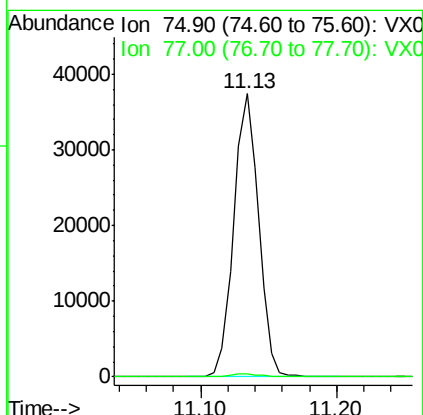
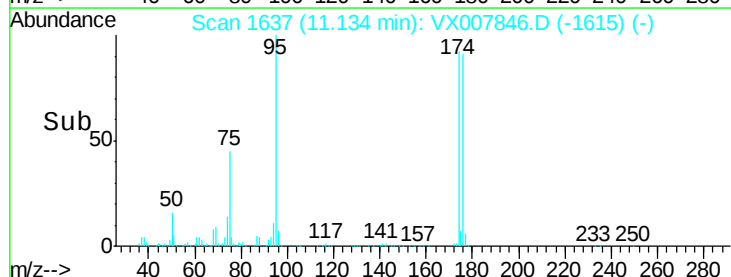
#76

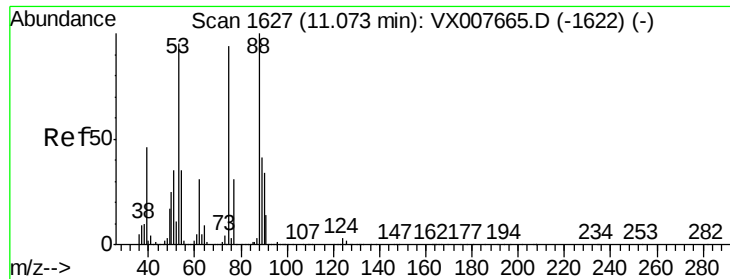
1,2,3-Trichloropropane
Concen: 17.021 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007846.D
Acq: 05 Mar 2019 19:14

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: 45.876 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007846.D

Acq: 05 Mar 2019 19:14

Instrument :

MSVOA_X

ClientSampleId :

M2-T5-UV(POSTHYPO)RE

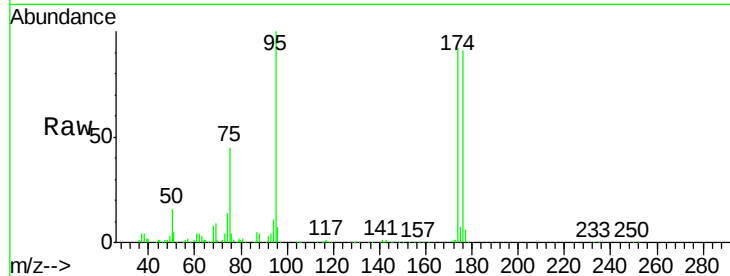
Tot Ion: 75 Resp: 47583

Ion Ratio Lower Upper

75 100

53 0.0 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

