

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022519\
 Data File : VX007696.D
 Acq On : 26 Feb 2019 05:34
 Operator : JC/SP
 Sample : K1603-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

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

Quant Time: Feb 26 06:04:25 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	341297	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	590136	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	555268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254401	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	210112	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
35) Dibromofluoromethane	5.51	113	195605	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.71	98	714914	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
62) 4-Bromofluorobenzene	11.13	95	249485	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

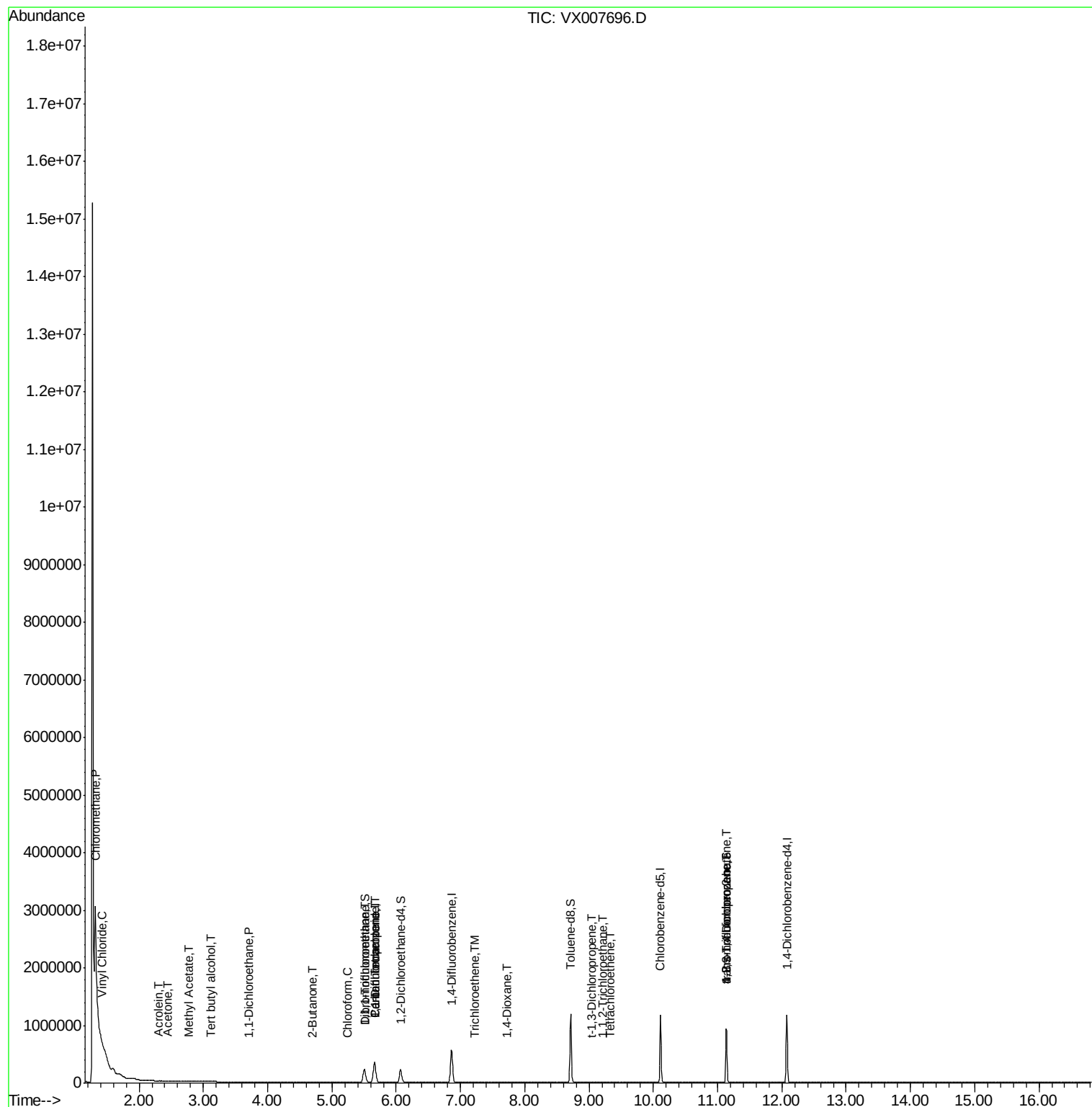
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	185024	53.106	ug/l #	44
4) Vinyl Chloride	1.43	62	895	0.250	ug/l #	1
5) Bromomethane	1.65	94	603	Below Cal	#	67
11) Tert butyl alcohol	3.13	59	482	0.601	ug/l #	60
13) Acrolein	2.29	56	393	0.551	ug/l #	64
16) Acetone	2.45	43	6831	3.633	ug/l #	86
18) Methyl Acetate	2.78	43	1234	0.301	ug/l #	1
24) 1,1-Dichloroethane	3.70	63	6219	0.996	ug/l	94
25) 2-Butanone	4.71	43	1893	0.661	ug/l #	71
30) Chloroform	5.23	83	2649	0.396	ug/l #	70
32) 1,1,1-Trichloroethane	5.51	97	2996	0.542	ug/l #	48
36) 1,1-Dichloropropene	5.66	75	26116	4.922	ug/l #	40
38) Carbon Tetrachloride	5.67	117	33082	6.207	ug/l #	16
44) Trichloroethene	7.22	130	2840	0.630	ug/l	76
49) 1,4-Dioxane	7.73	88	173	1.685	ug/l #	21
53) t-1,3-Dichloropropene	9.04	75	362	2.856	ug/l #	1
55) 1,1,2-Trichloroethane	9.21	97	1054	0.245	ug/l #	84
64) Tetrachloroethene	9.34	164	1151	0.255	ug/l #	73
76) 1,2,3-Trichloropropane	11.13	75	122474	22.586	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	122474	59.890	ug/l #	9

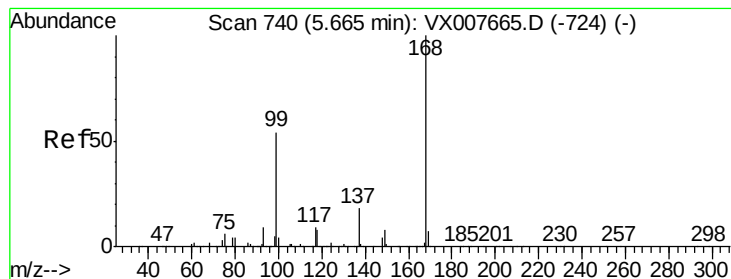
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

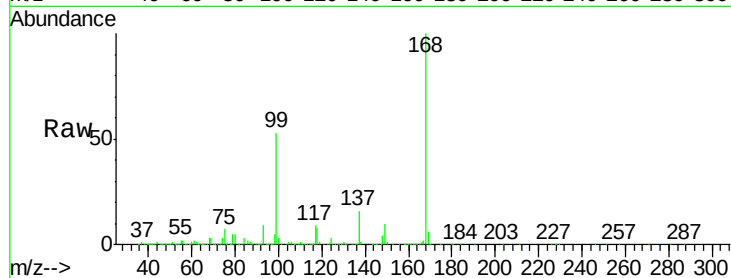
M1-T3-OZ(PRE)

Tot Ion:168 Resp: 341297

Ion Ratio Lower Upper

168 100

99 52.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

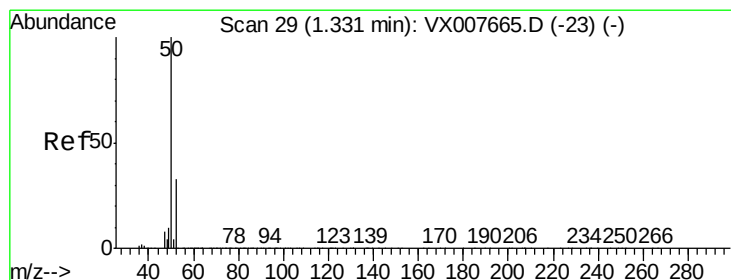
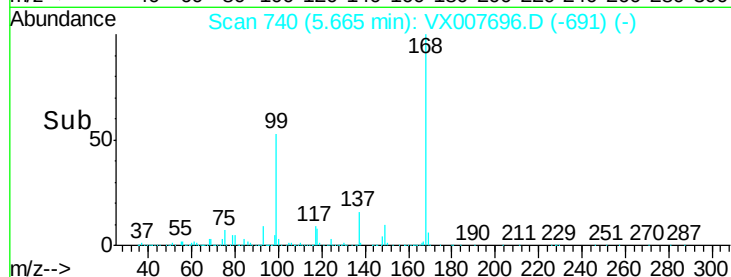
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 53.106 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX007696.D

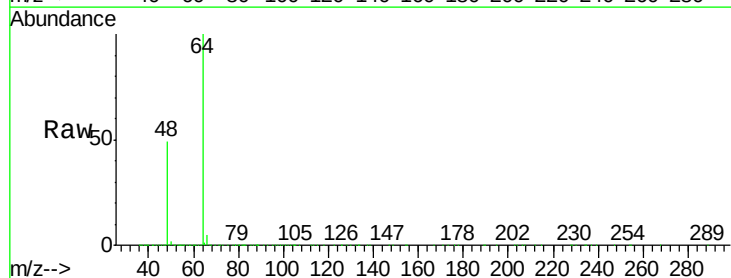
Acq: 26 Feb 2019 05:34

Tgt Ion: 50 Resp: 185024

Ion Ratio Lower Upper

50 100

52 1.0 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

300000

250000

200000

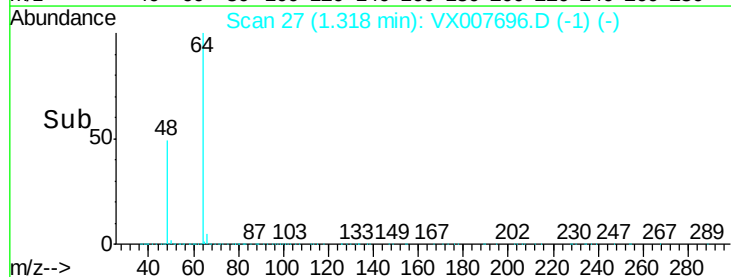
150000

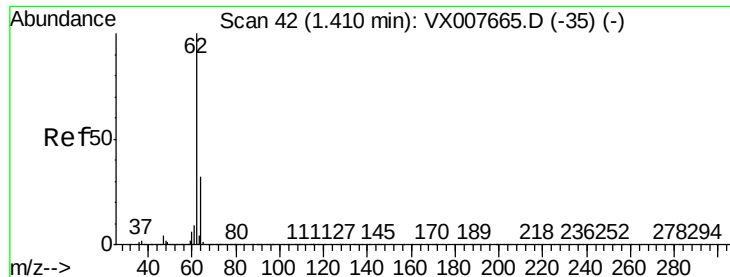
100000

50000

0

Time-->





#4

Vinyl Chloride

Concen: 0.250 ug/l

RT: 1.43 min Scan# 45

Delta R.T. 0.02 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

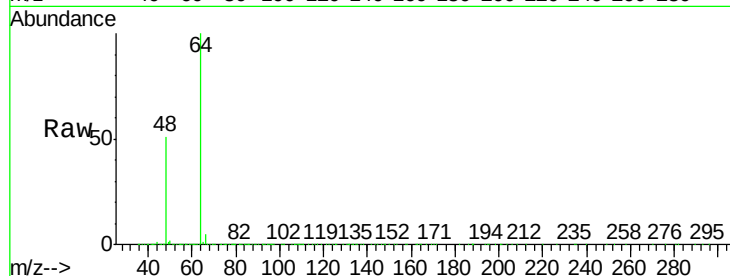
M1-T3-OZ(PRE)

Tot Ion: 62 Resp: 895

Ion Ratio Lower Upper

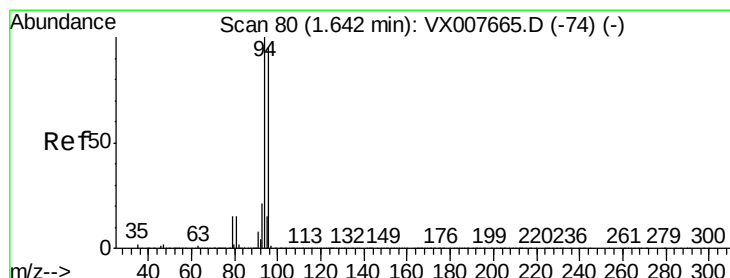
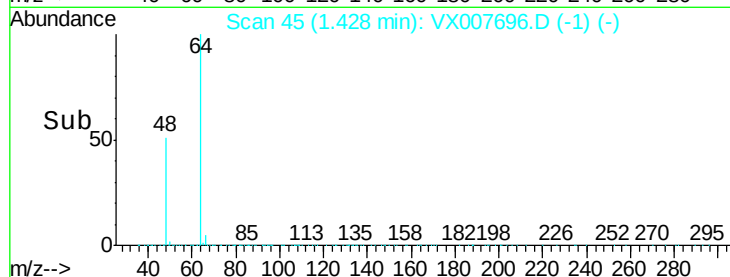
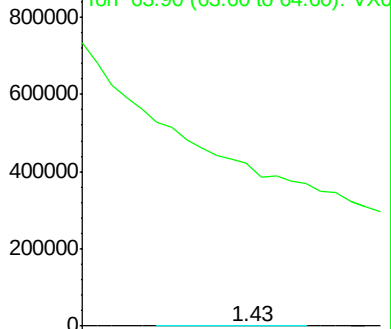
62 100

64 8472.8 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007696.D

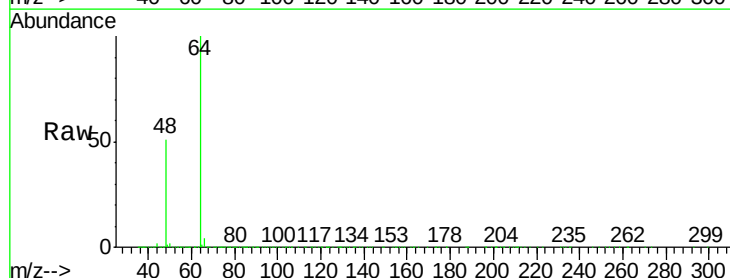
Acq: 26 Feb 2019 05:34

Tgt Ion: 94 Resp: 603

Ion Ratio Lower Upper

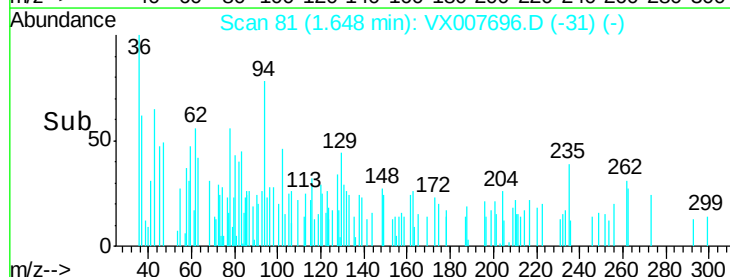
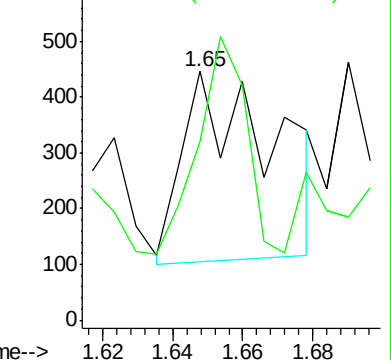
94 100

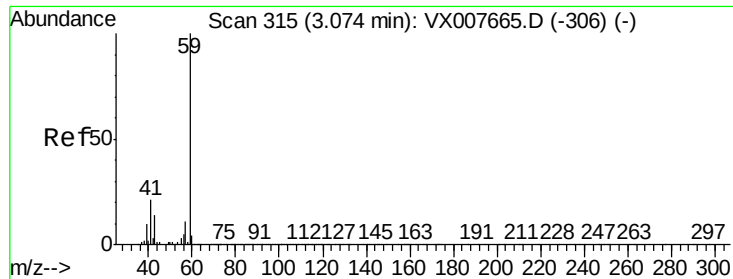
96 61.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



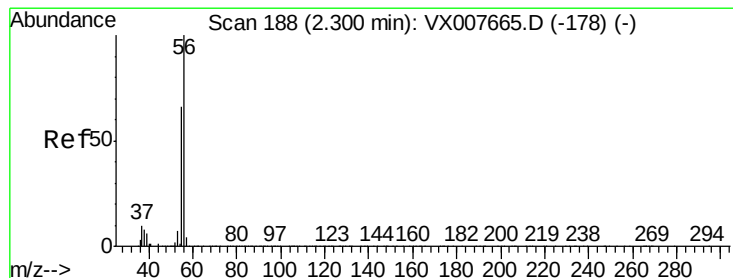
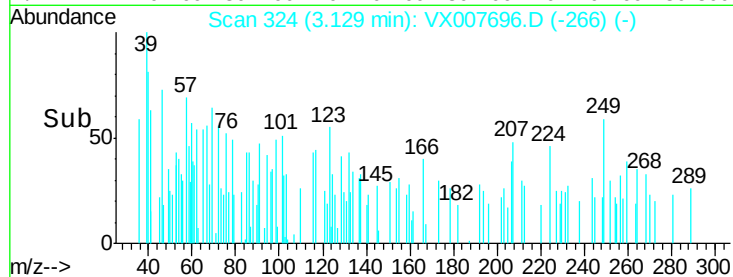
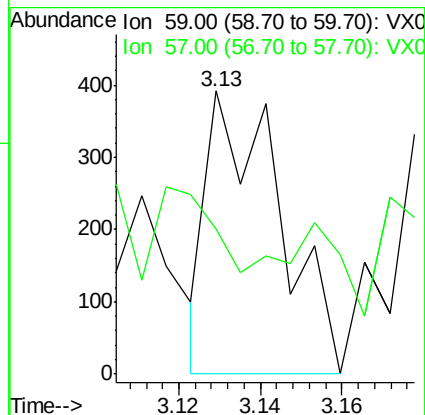
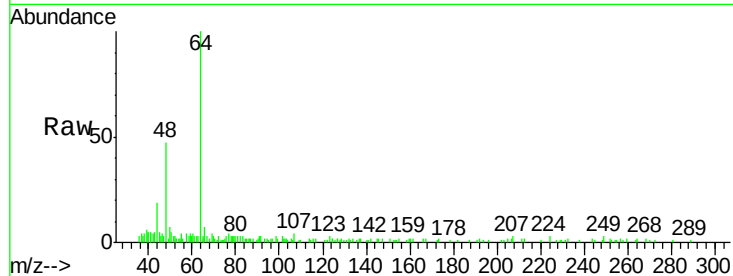


#11

Tert butyl alcohol
Concen: 0.601 ug/l
RT: 3.13 min Scan# 324
Delta R.T. 0.05 min
Lab File: VX007696.D
Acq: 26 Feb 2019 05:34

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

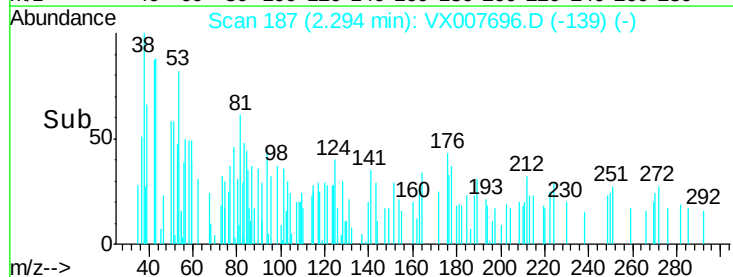
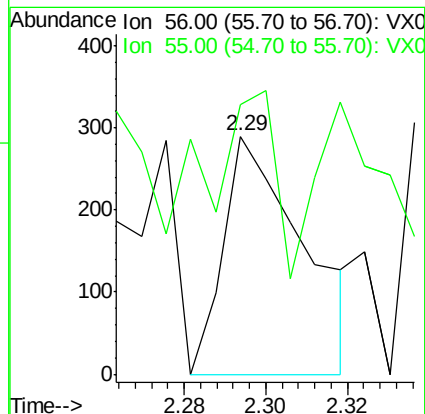
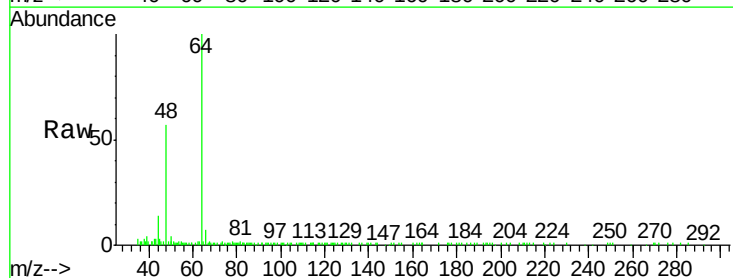
Tot Ion: 59 Resp: 482
Ion Ratio Lower Upper
59 100
57 25.1 8.1 12.1#

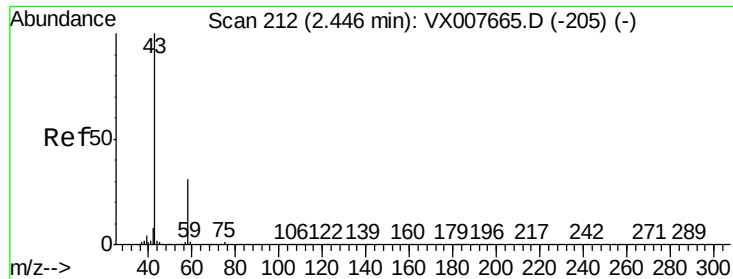


#13

Acrolein
Concen: 0.551 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007696.D
Acq: 26 Feb 2019 05:34

Tgt Ion: 56 Resp: 393
Ion Ratio Lower Upper
56 100
55 41.2 56.9 85.3#





#16

Acetone

Concen: 3.633 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

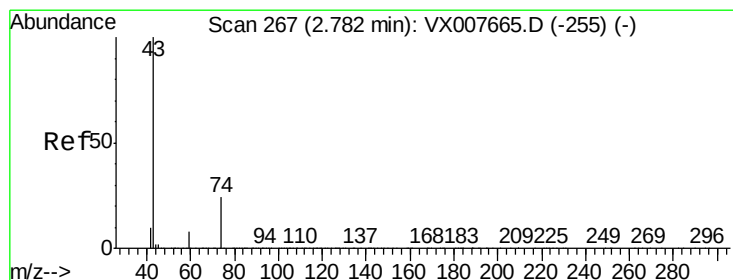
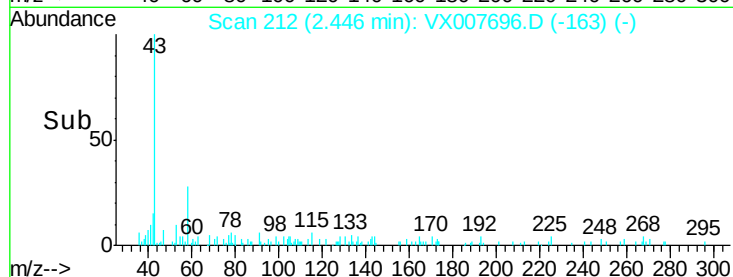
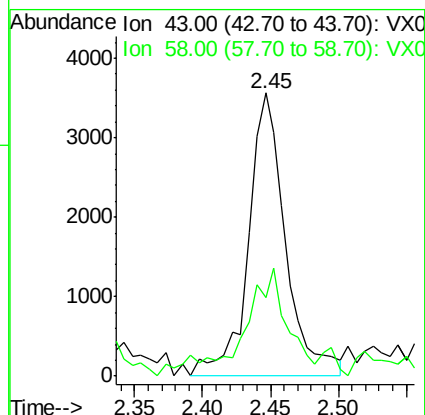
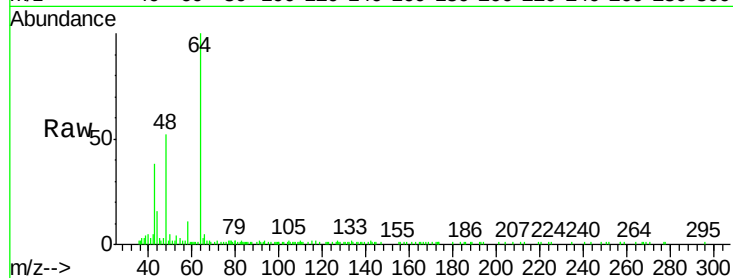
M1-T3-OZ(PRE)

Tot Ion: 43 Resp: 6831

Ion Ratio Lower Upper

43 100

58 23.4 24.9 37.3#



#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX007696.D

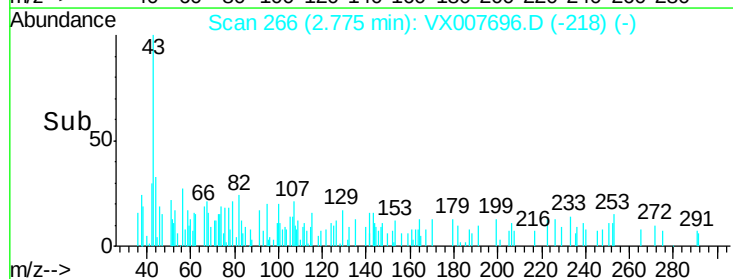
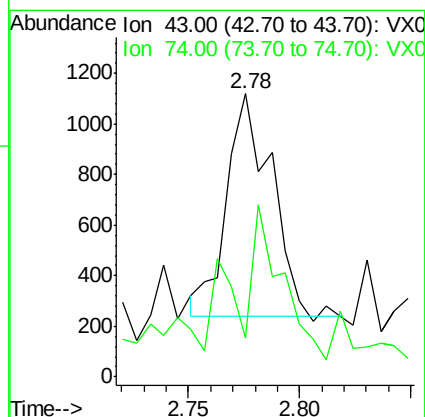
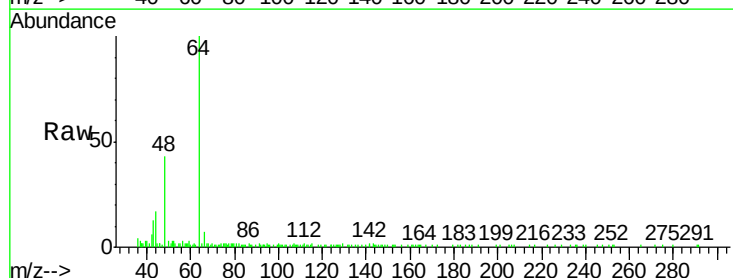
Acq: 26 Feb 2019 05:34

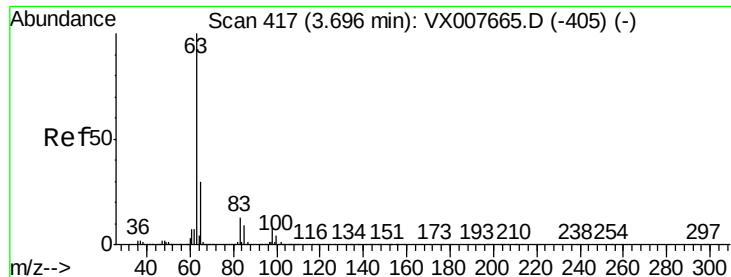
Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

74 86.5 19.4 29.2#





#24

1,1-Dichloroethane

Concen: 0.996 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

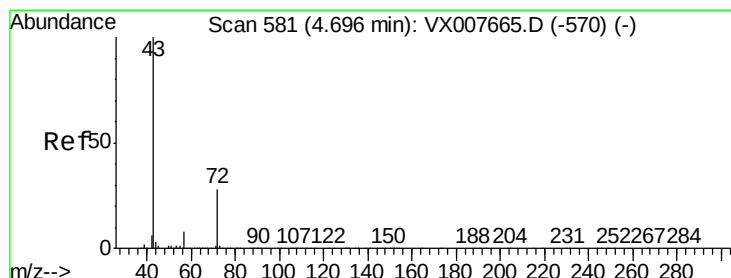
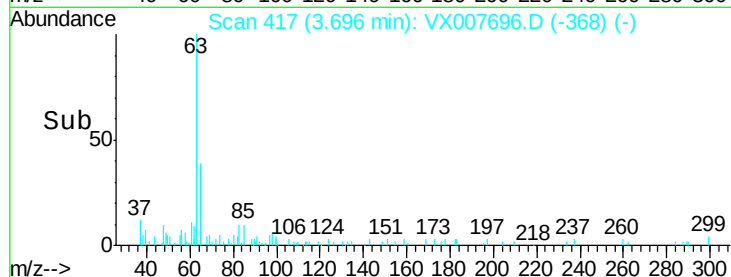
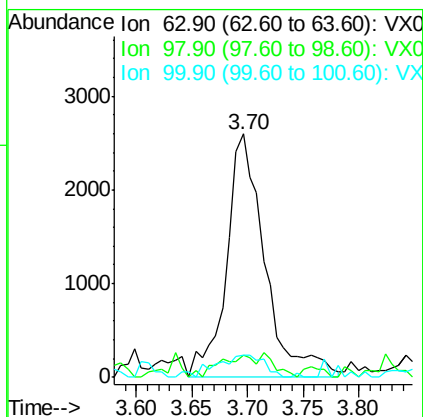
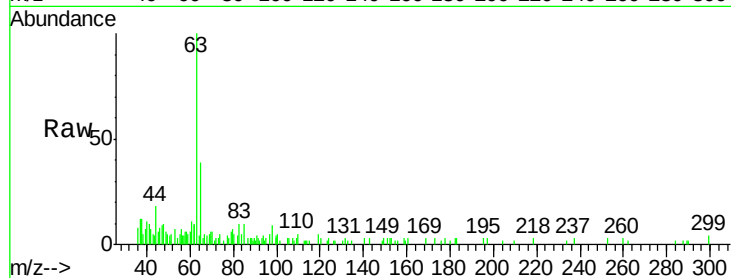
Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

Tot Ion:	63	Resp:	6219
Ion	Ratio	Lower	Upper
63	100		
98	9.5	3.6	10.8
100	6.8	2.5	7.4



#25

2-Butanone

Concen: 0.661 ug/l

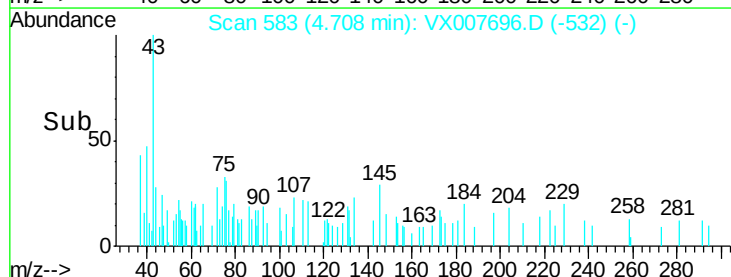
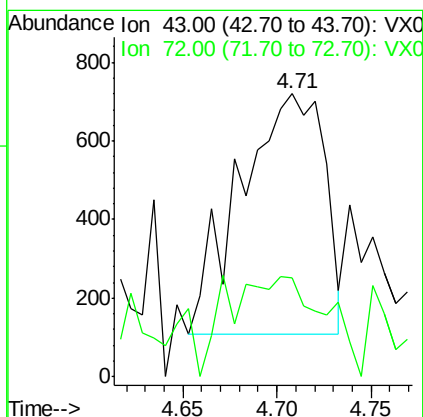
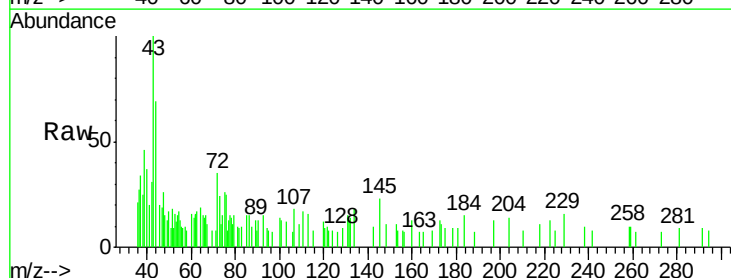
RT: 4.71 min Scan# 583

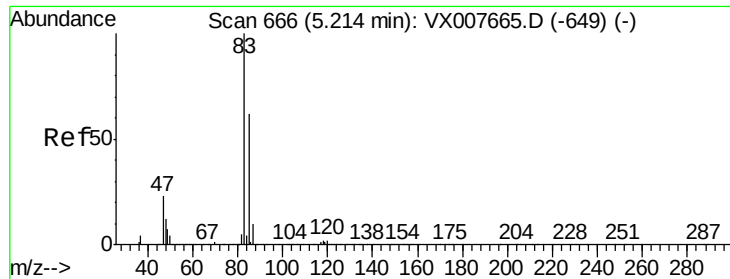
Delta R.T. 0.01 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Tgt Ion:	43	Resp:	1893
Ion	Ratio	Lower	Upper
43	100		
72	12.8	22.2	33.2#





#30

Chloroform

Concen: 0.396 ug/l

RT: 5.23 min Scan# 669

Delta R.T. 0.02 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

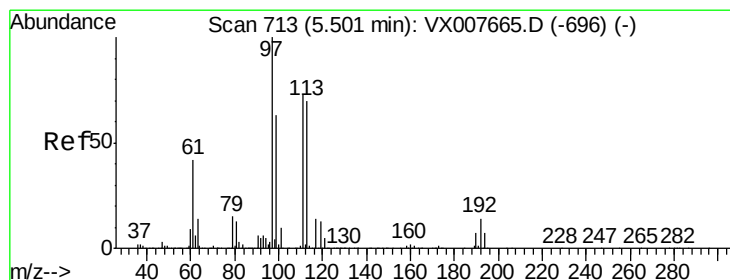
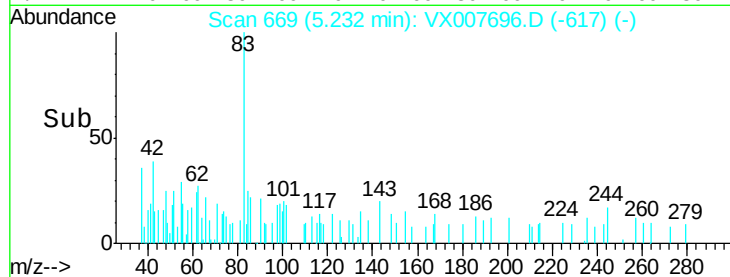
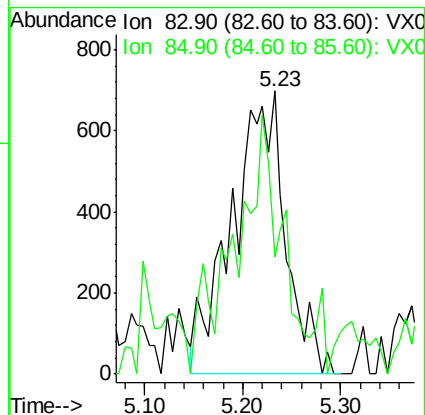
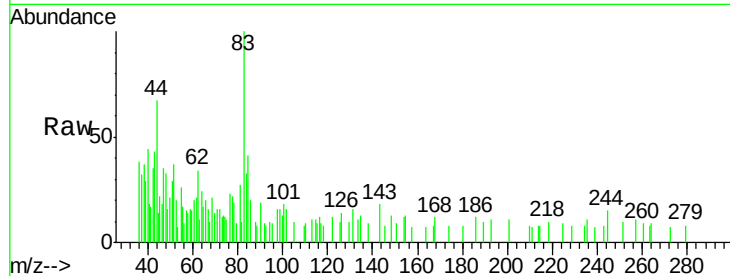
M1-T3-OZ(PRE)

Tot Ion: 83 Resp: 2649

Ion Ratio Lower Upper

83 100

85 41.3 51.6 77.4#



#32

1,1,1-Trichloroethane

Concen: 0.542 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

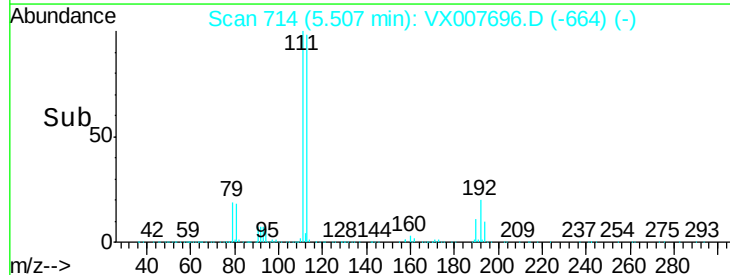
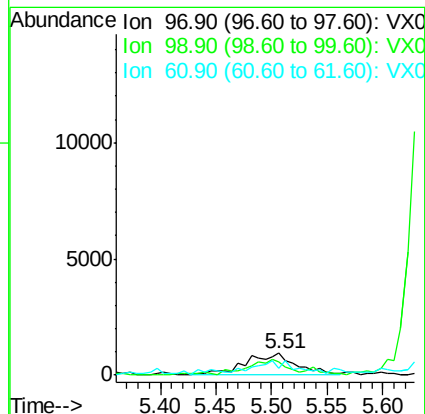
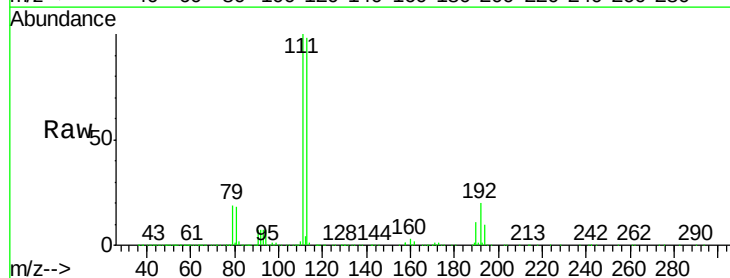
Tgt Ion: 97 Resp: 2996

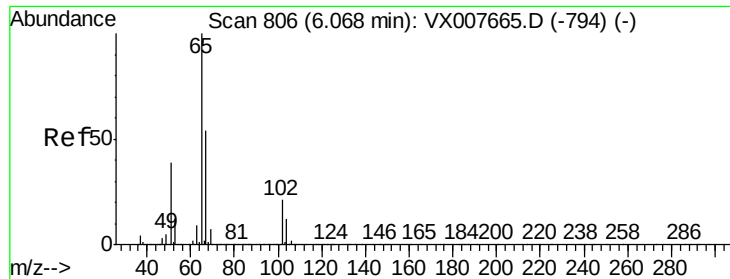
Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

61 42.3 32.7 49.1

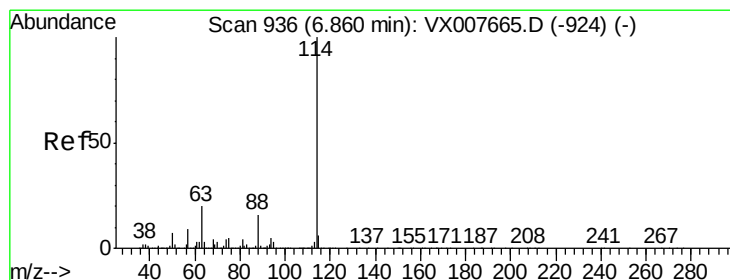
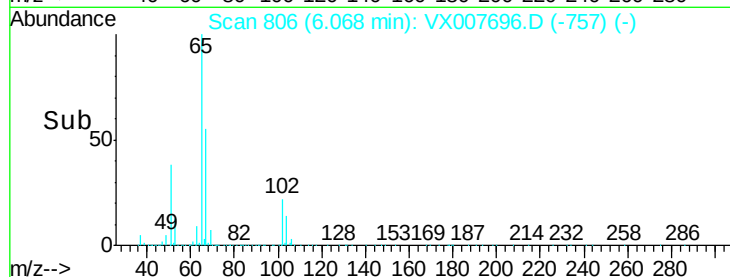
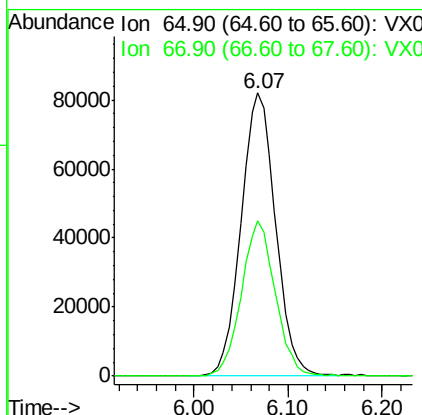
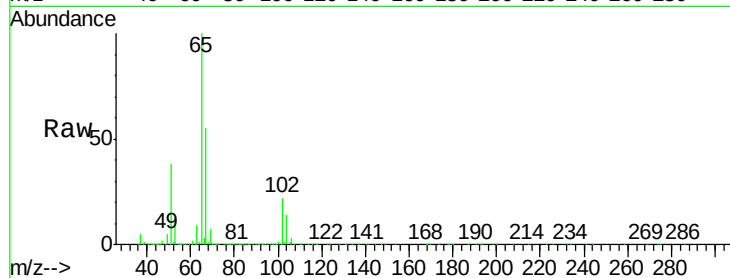




#33
 1,2-Dichloroethane-d4
 Concen: 49.700 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007696.D
 Acq: 26 Feb 2019 05:34

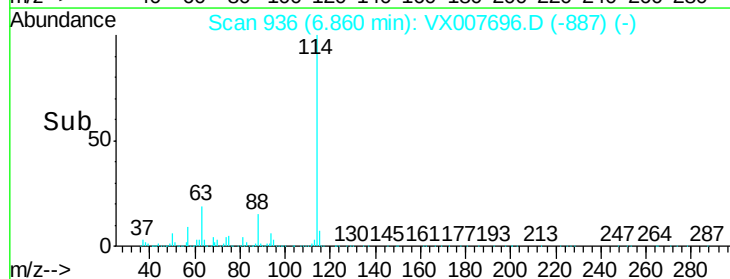
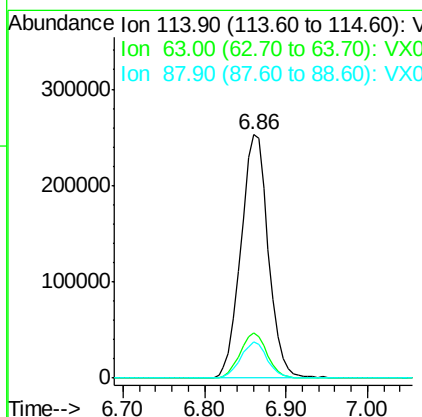
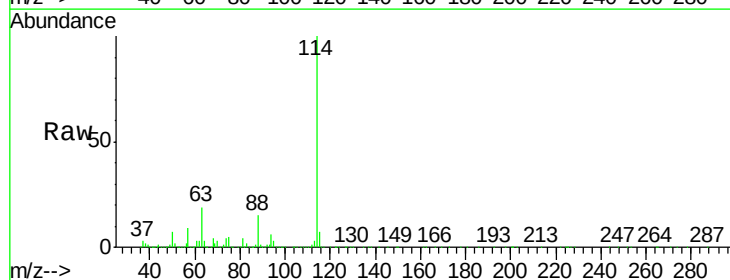
Instrument :
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 M1-T3-OZ(PRE)

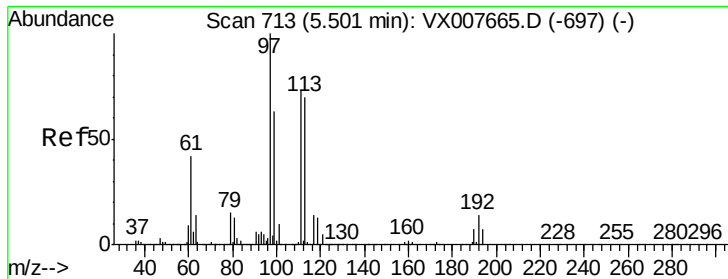
Tot Ion: 65 Resp: 210112
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007696.D
 Acq: 26 Feb 2019 05:34

Tgt Ion: 114 Resp: 590136
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.6
 88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.585 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

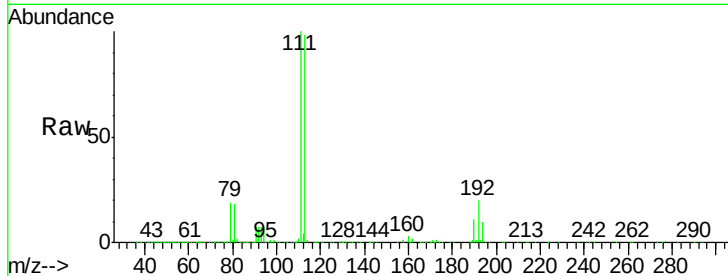
Tot Ion:113 Resp: 195605

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

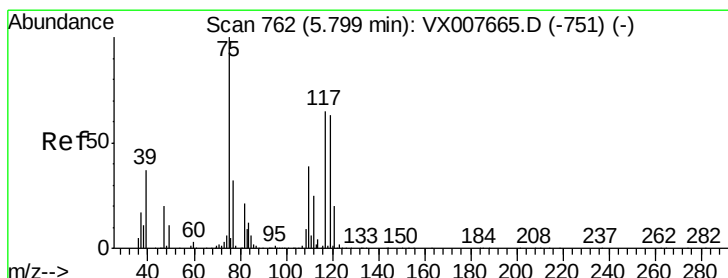
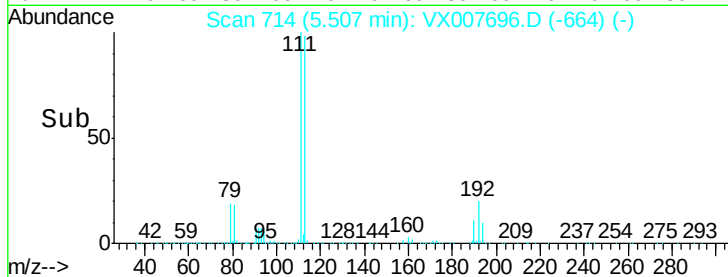
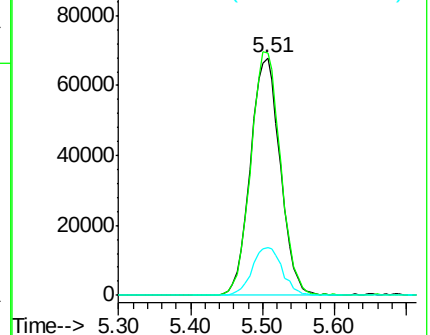
192 20.3 18.5 27.7



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: 4.922 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

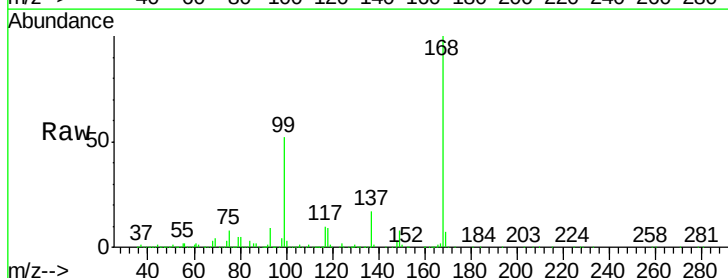
Tgt Ion: 75 Resp: 26116

Ion Ratio Lower Upper

75 100

110 0.0 20.0 59.9#

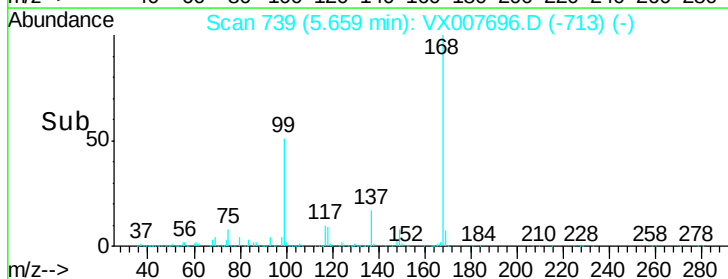
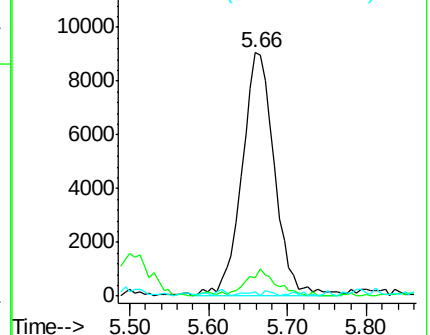
77 0.8 24.7 37.1#

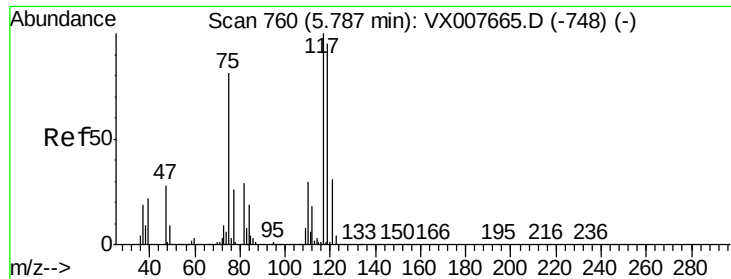


Abundance Ion 74.90 (74.60 to 75.60): VX0

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# 740

Delta R.T. -0.12 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

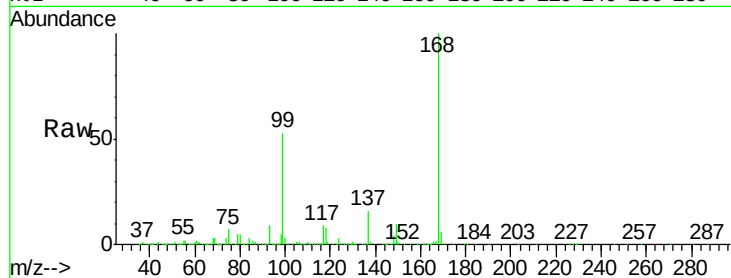
Tot Ion:117 Resp: 33082

Ion Ratio Lower Upper

117 100

119 4.2 75.3 112.9#

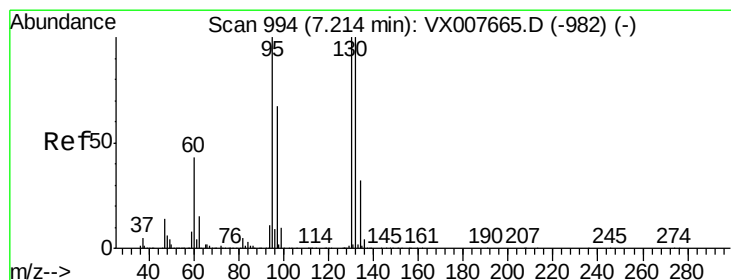
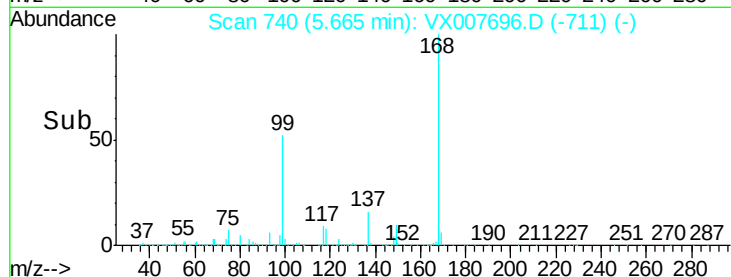
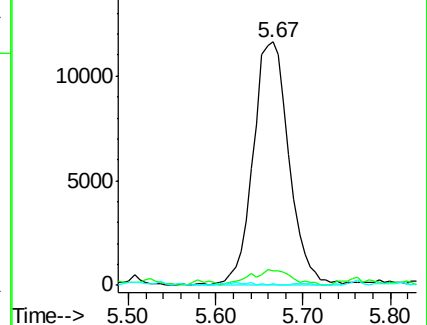
121 0.8 25.0 37.4#



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: 0.630 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX007696.D

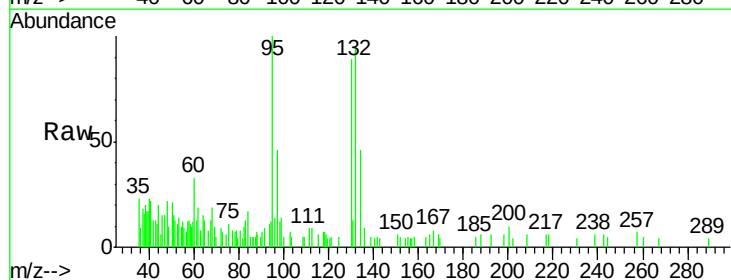
Acq: 26 Feb 2019 05:34

Tgt Ion:130 Resp: 2840

Ion Ratio Lower Upper

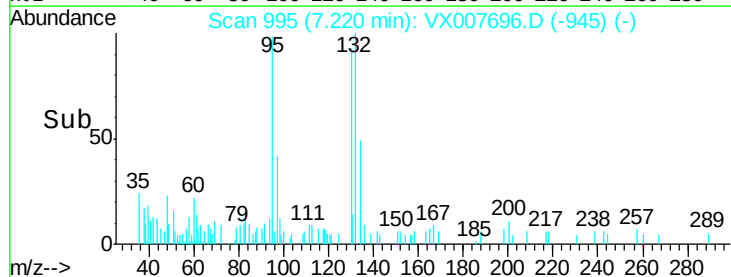
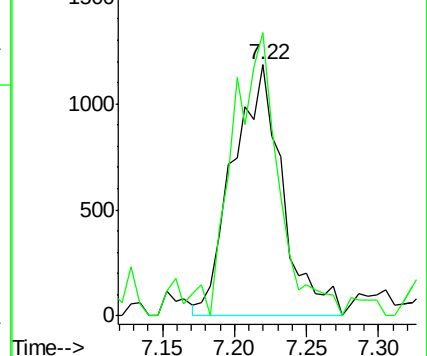
130 100

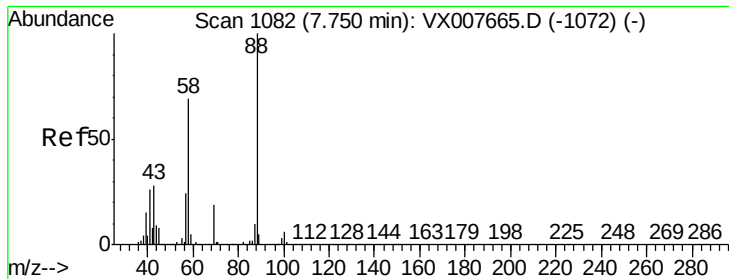
95 112.8 0.0 180.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

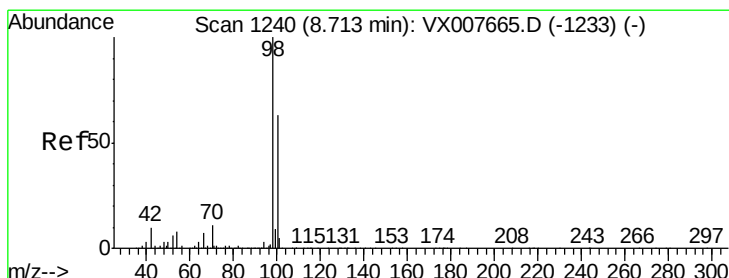
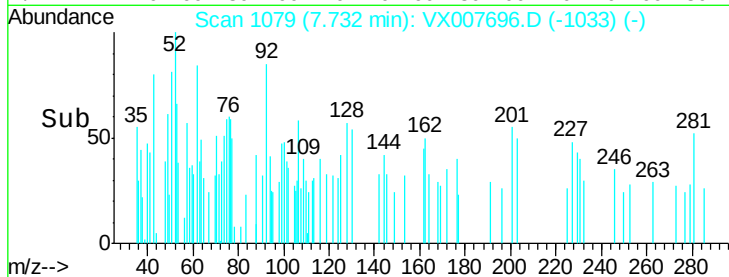
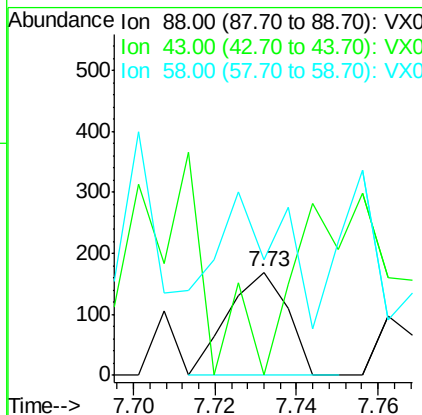
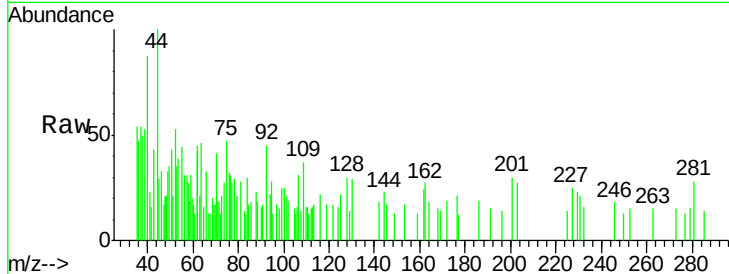




#49
 1,4-Dioxane
 Concen: 1.685 ug/l
 RT: 7.73 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: VX007696.D
 Acq: 26 Feb 2019 05:34

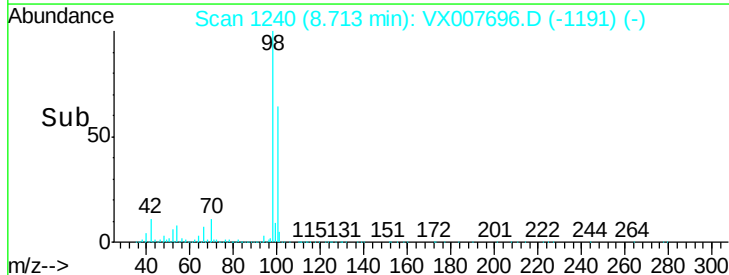
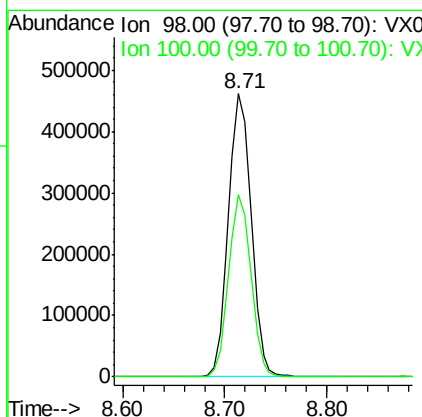
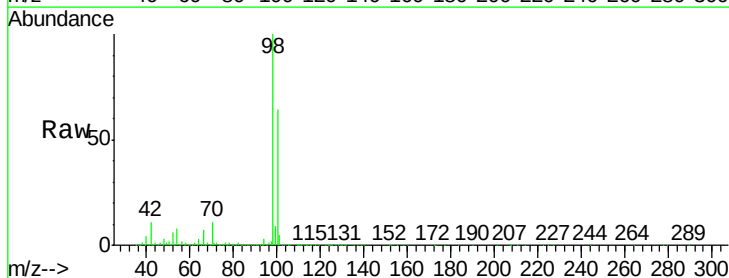
Instrument :
 MSVOA_X
 ClientSampled :
 M1-T3-OZ(PRE)

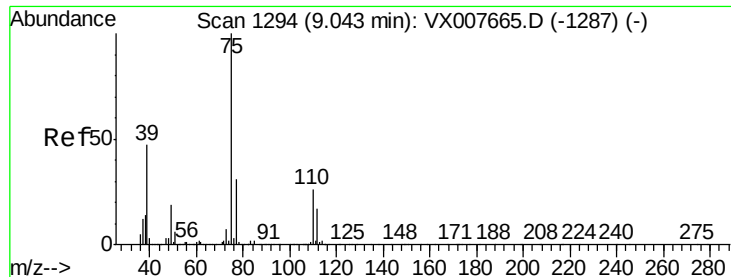
Tot Ion: 88 Resp: 173
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.2 36.4#
 58 138.2 53.0 79.4#



#50
 Toluene-d8
 Concen: 47.338 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX007696.D
 Acq: 26 Feb 2019 05:34

Tgt Ion: 98 Resp: 714914
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.6 77.4





#53

t-1,3-Dichloropropene

Concen: 2.856 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

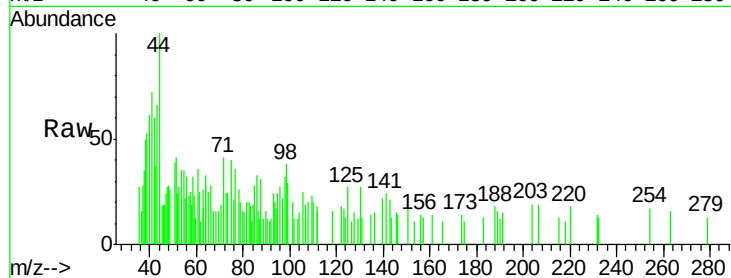
M1-T3-OZ(PRE)

Tot Ion: 75 Resp: 362

Ion Ratio Lower Upper

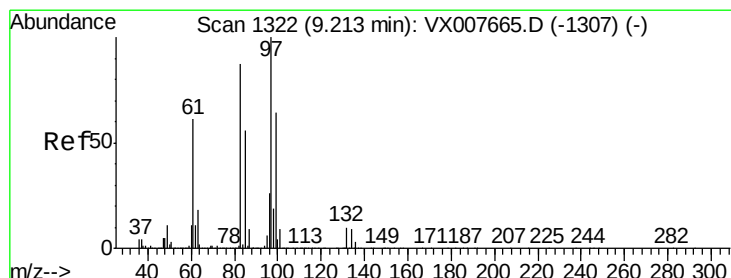
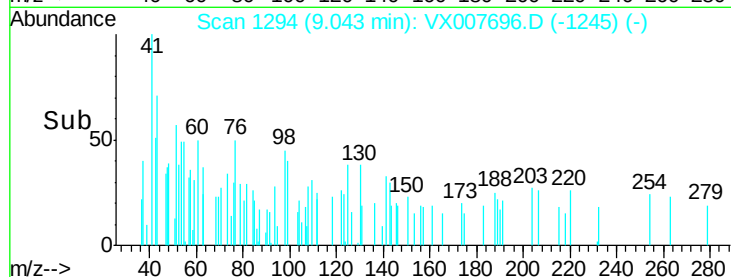
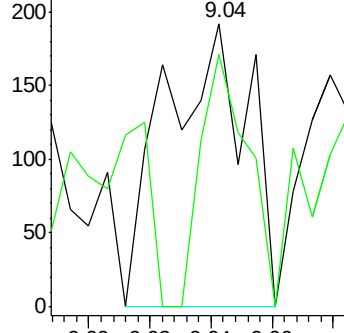
75 100

77 89.1 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#55

1,1,2-Trichloroethane

Concen: 0.245 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Tgt Ion: 97 Resp: 1054

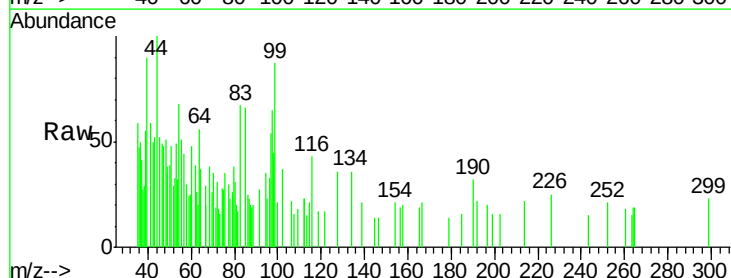
Ion Ratio Lower Upper

97 100

83 56.6 68.6 102.8#

85 55.2 44.5 66.7

99 72.9 52.2 78.4

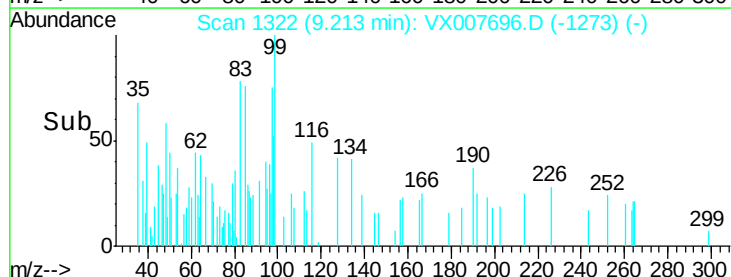
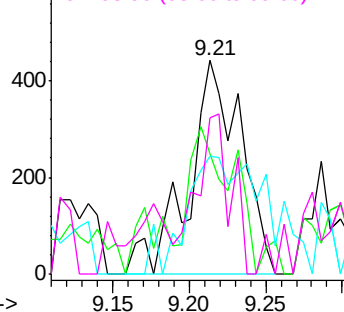


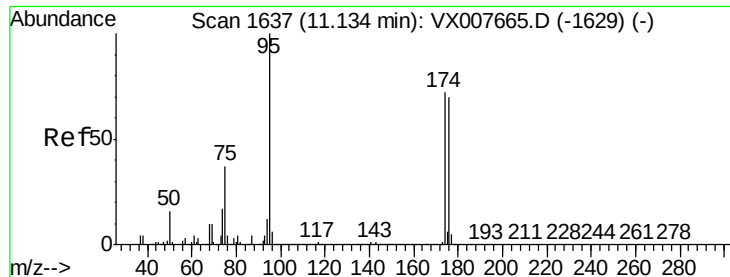
Abundance Ion 96.90 (96.60 to 97.60): VX0

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

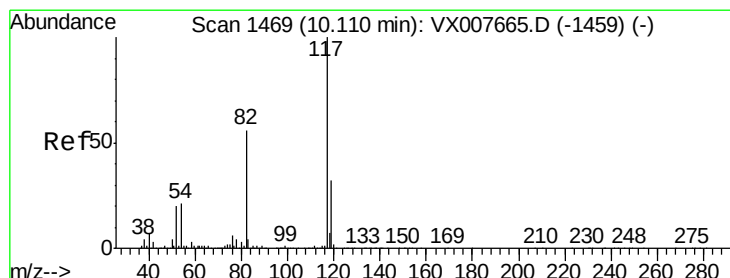
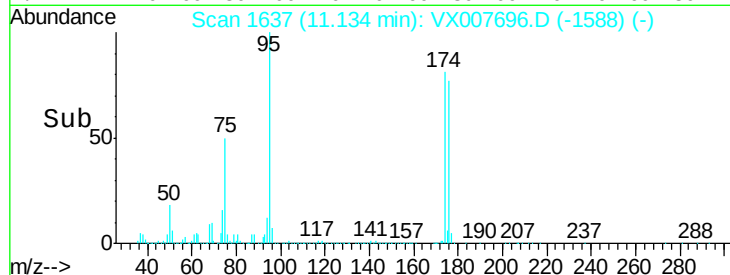
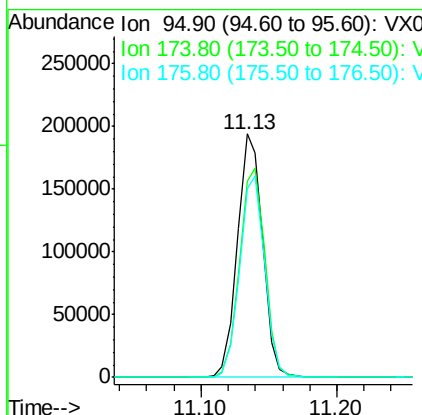
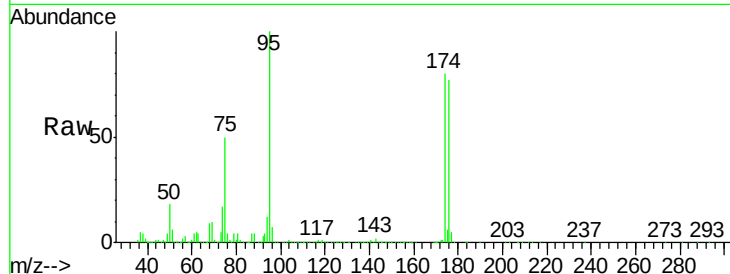




#62
4-Bromofluorobenzene
Concen: 45.008 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007696.D
Acq: 26 Feb 2019 05:34

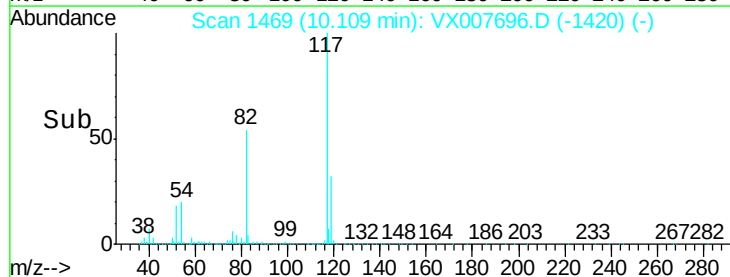
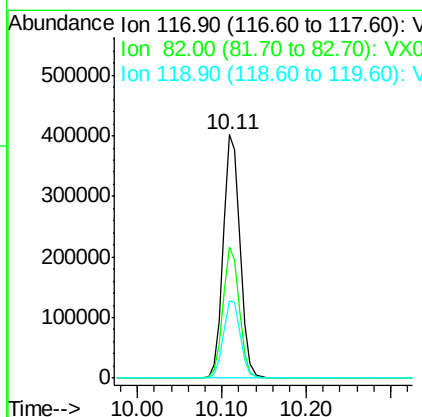
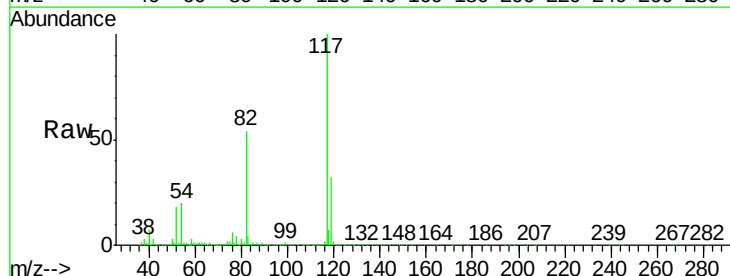
Instrument :
MSVOA_X
ClientSampleId :
M1-T3-OZ(PRE)

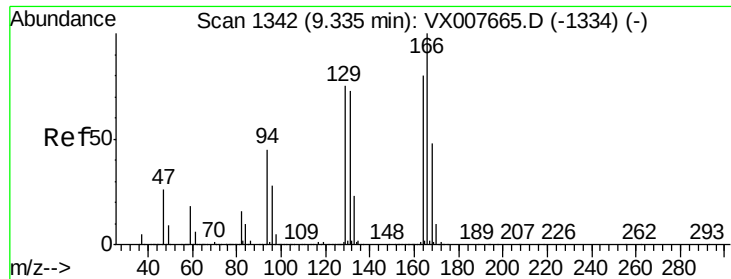
Tot Ion: 95 Resp: 249485
Ion Ratio Lower Upper
95 100
174 87.0 0.0 189.2
176 82.3 0.0 186.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007696.D
Acq: 26 Feb 2019 05:34

Tgt Ion: 117 Resp: 555268
Ion Ratio Lower Upper
117 100
82 53.9 42.1 63.1
119 31.6 26.5 39.7





#64

Tetrachloroethene

Concen: 0.255 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

M1-T3-OZ(PRE)

Tot Ion:164 Resp: 1151

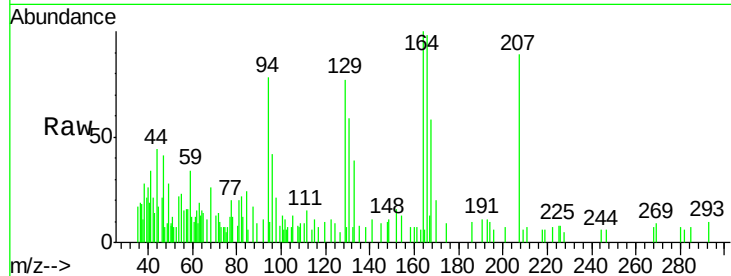
Ion Ratio Lower Upper

164 100

166 97.6 101.0 151.4#

129 71.1 70.5 105.7

131 51.2 69.8 104.6#

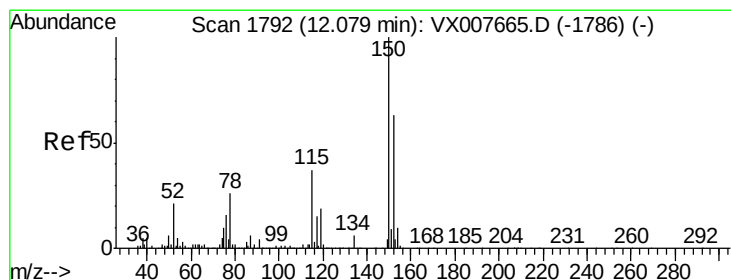
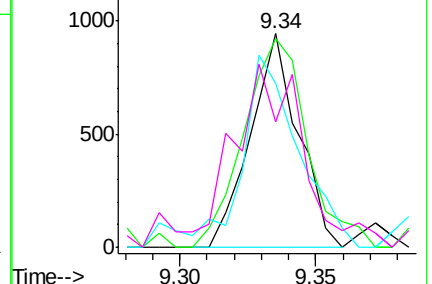
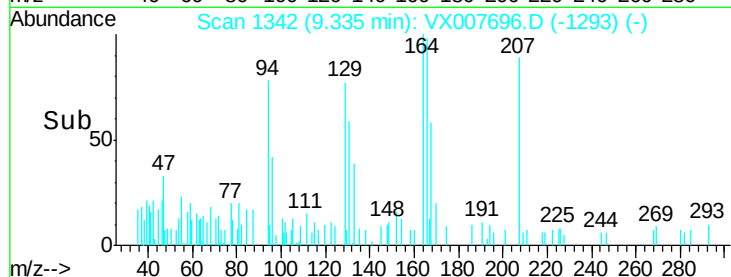


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX007696.D

Acq: 26 Feb 2019 05:34

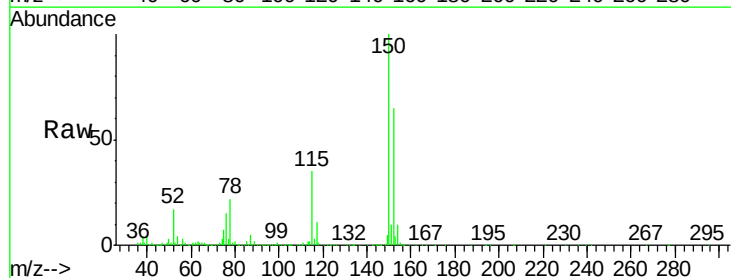
Tgt Ion:152 Resp: 254401

Ion Ratio Lower Upper

152 100

115 56.7 38.0 114.0

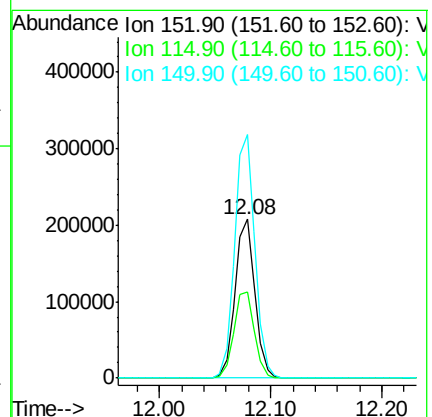
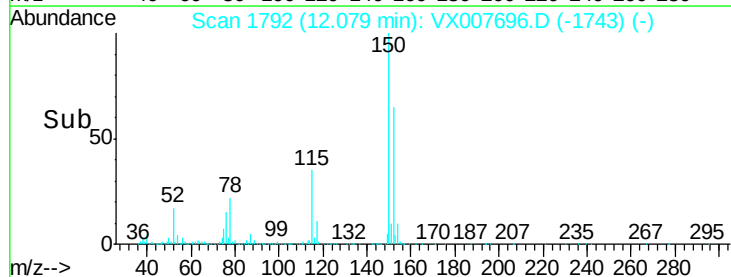
150 156.3 0.0 346.4

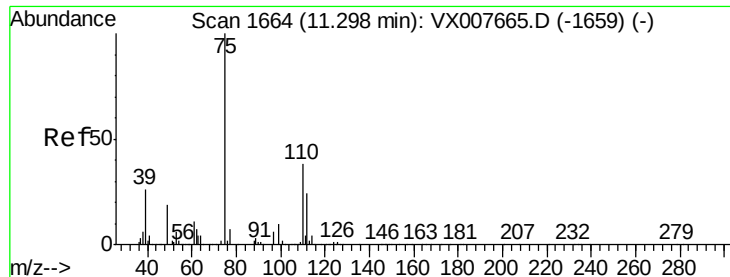


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.586 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

Instrument :

MSVOA_X

ClientSampleId :

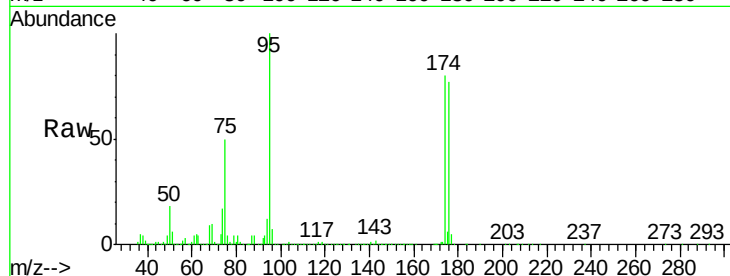
M1-T3-OZ(PRE)

Tot Ion: 75 Resp: 122474

Ion Ratio Lower Upper

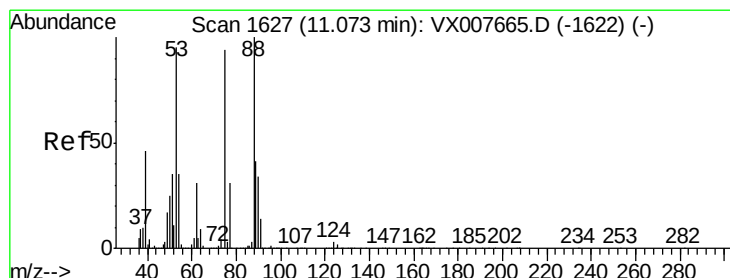
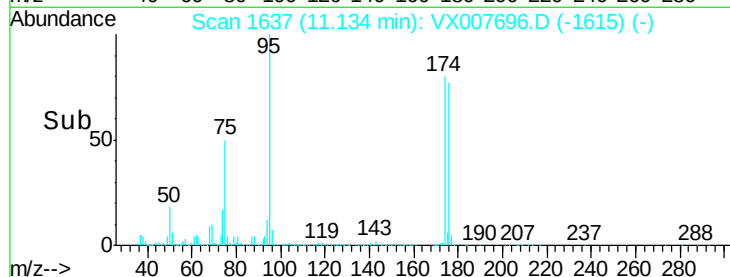
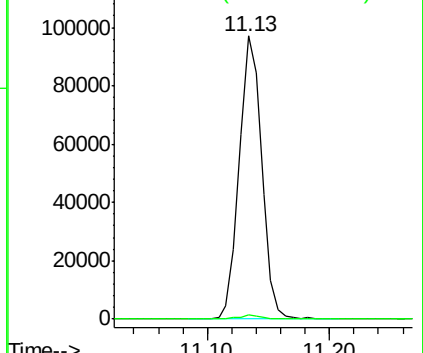
75 100

77 1.5 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: 59.890 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007696.D

Acq: 26 Feb 2019 05:34

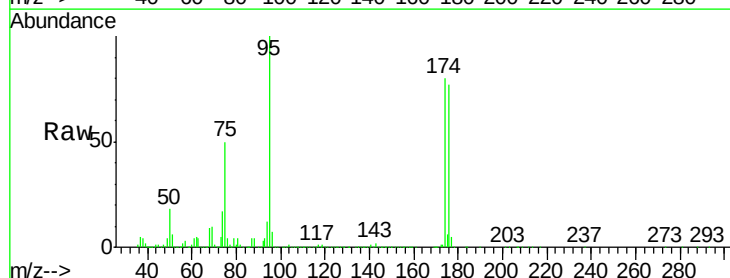
Tgt Ion: 75 Resp: 122474

Ion Ratio Lower Upper

75 100

53 0.2 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

