

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010686.D
 Acq On : 08 Jul 2019 11:19
 Operator : JC/SP
 Sample : VX0708WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBL01

Quant Time: Jul 09 01:05:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	355555	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	321673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145464	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117951	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	5.49	113	111196	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
50) Toluene-d8	8.71	98	418957	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	11.13	95	140554	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	

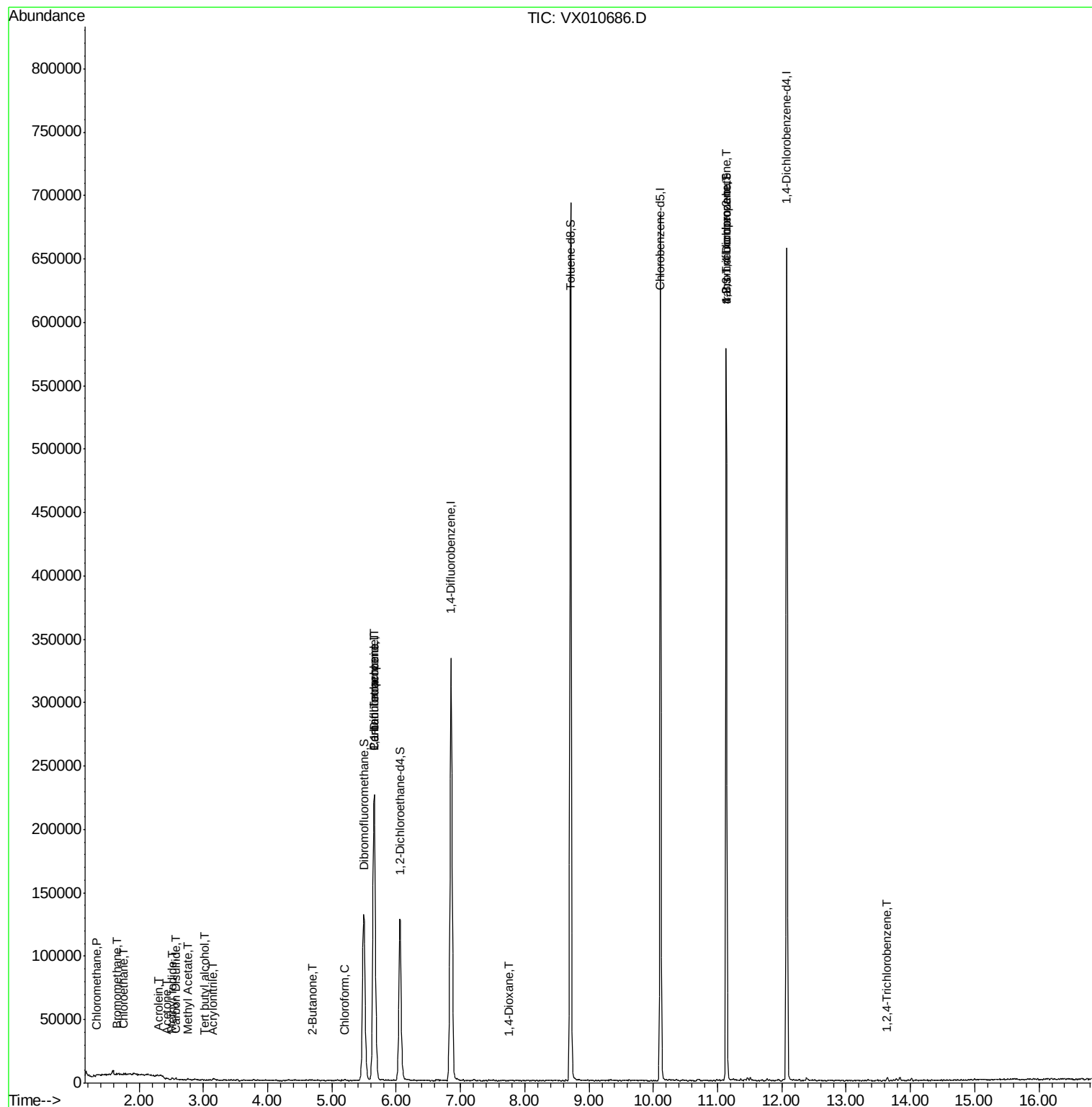
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	814	0.433	ug/l	97
5) Bromomethane	1.65	94	913	0.911	ug/l #	69
6) Chloroethane	1.76	64	2211	1.821	ug/l #	51
10) Methyl Iodide	2.51	142	893	0.316	ug/l #	85
11) Tert butyl alcohol	3.02	59	177	0.311	ug/l #	61
13) Acrolein	2.30	56	644	1.705	ug/l #	71
15) Acrylonitrile	3.14	53	505	0.448	ug/l #	77
16) Acetone	2.43	43	334	0.306	ug/l #	80
17) Carbon Disulfide	2.57	76	1757	0.326	ug/l #	72
18) Methyl Acetate	2.77	43	437	0.201	ug/l #	53
25) 2-Butanone	4.70	43	455	0.284	ug/l #	46
30) Chloroform	5.21	83	744	0.200	ug/l #	72
36) 1,1-Dichloropropene	5.66	75	14931	5.284	ug/l #	48
38) Carbon Tetrachloride	5.66	117	20992	6.861	ug/l #	14
49) 1,4-Dioxane	7.76	88	26	0.404	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	69445	26.198	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69445	61.118	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	666	0.201	ug/l	86

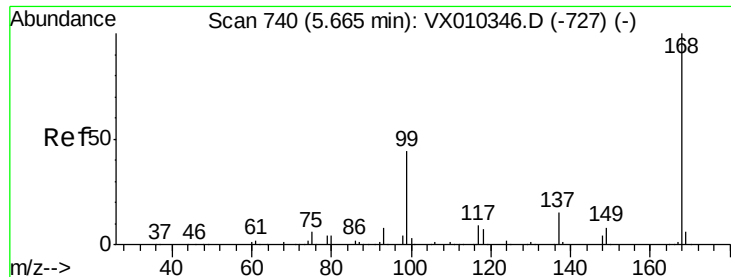
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010686.D

Acq: 08 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

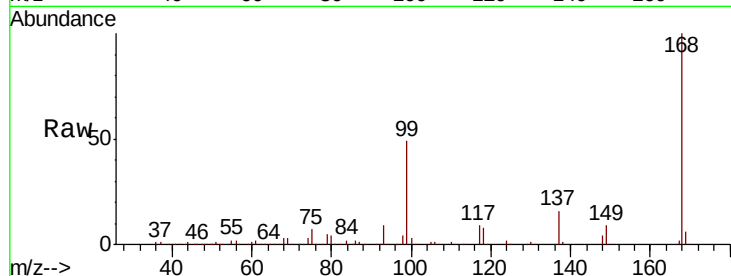
VX0708WBL01

Tot Ion:168 Resp: 232114

Ion Ratio Lower Upper

168 100

99 49.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

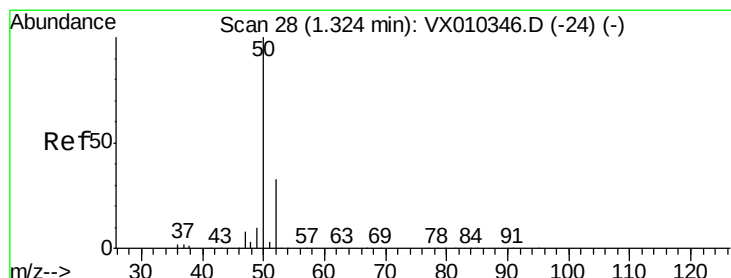
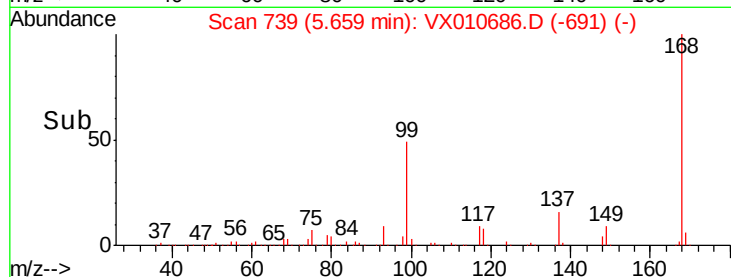
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.433 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010686.D

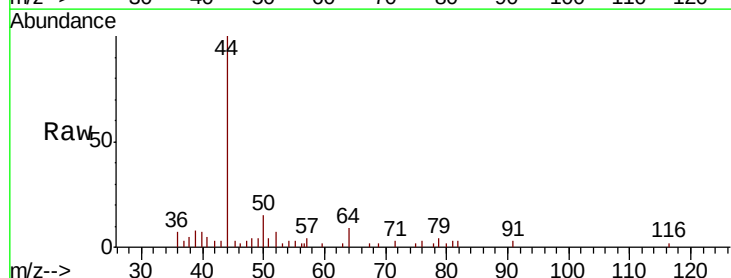
Acq: 08 Jul 2019 11:19

Tgt Ion: 50 Resp: 814

Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

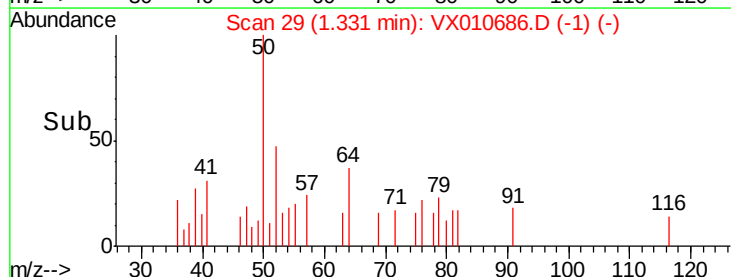
300

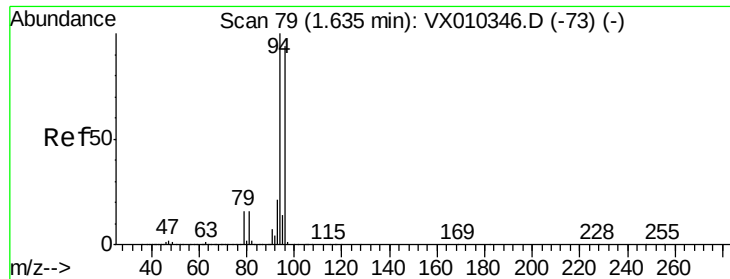
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: 0.911 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010686.D

Acq: 08 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

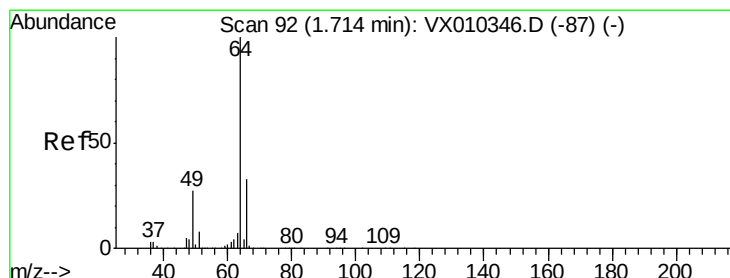
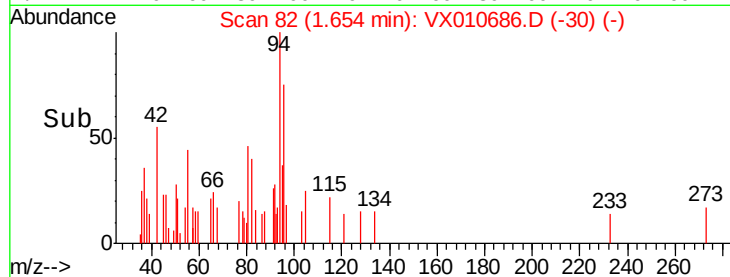
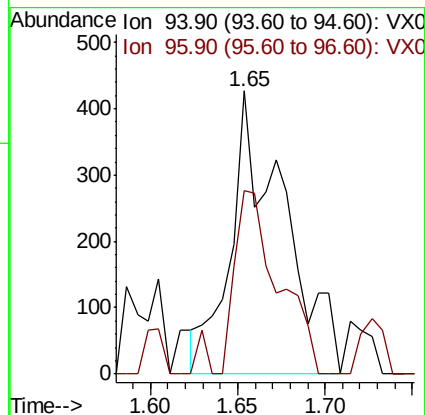
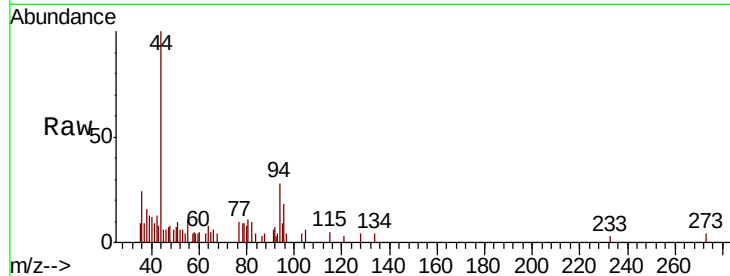
VX0708WBL01

Tot Ion: 94 Resp: 913

Ion Ratio Lower Upper

94 100

96 64.9 75.5 113.3#



#6

Chloroethane

Concen: 1.821 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX010686.D

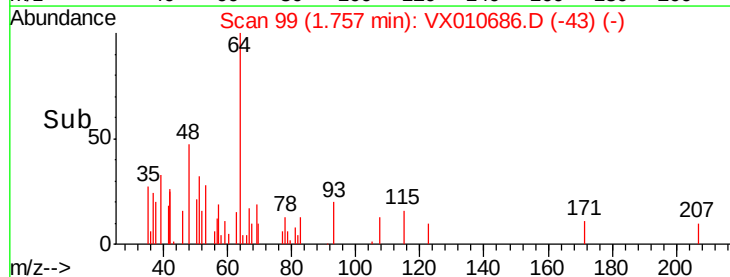
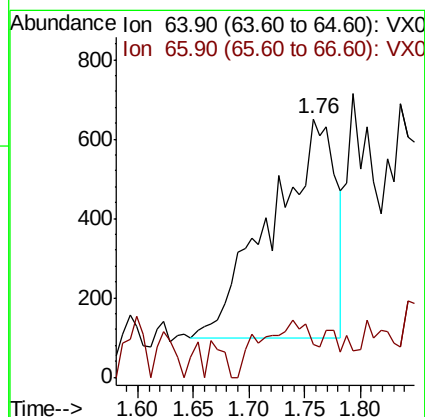
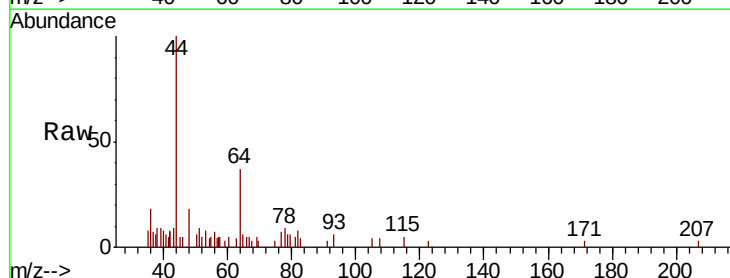
Acq: 08 Jul 2019 11:19

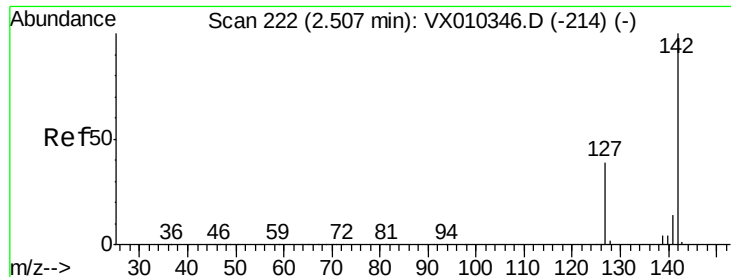
Tgt Ion: 64 Resp: 2211

Ion Ratio Lower Upper

64 100

66 5.4 26.6 40.0#

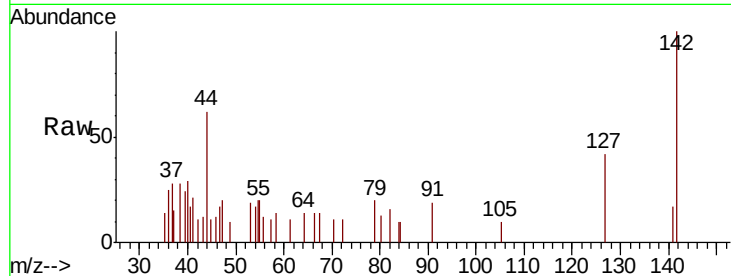




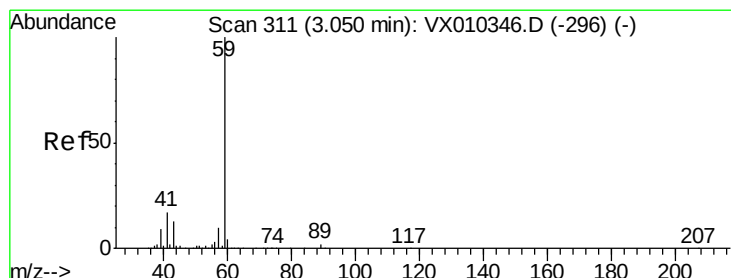
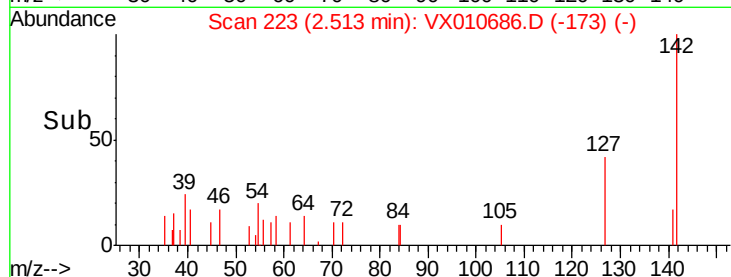
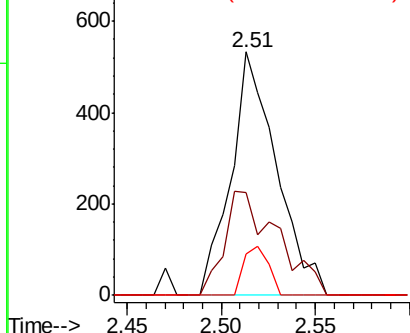
#10
Methyl Iodide
Concen: 0.316 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL01

Tot Ion:142 Resp: 893
Ion Ratio Lower Upper
142 100
127 49.7 31.1 46.7#
141 10.9 11.2 16.8#

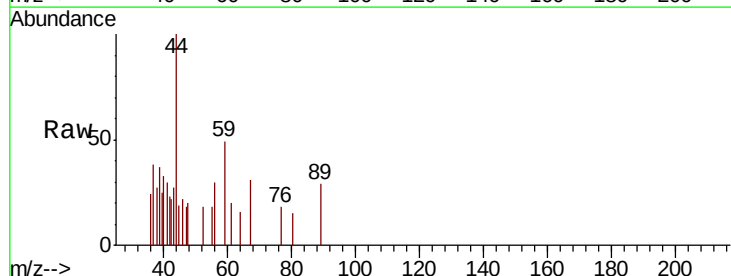


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

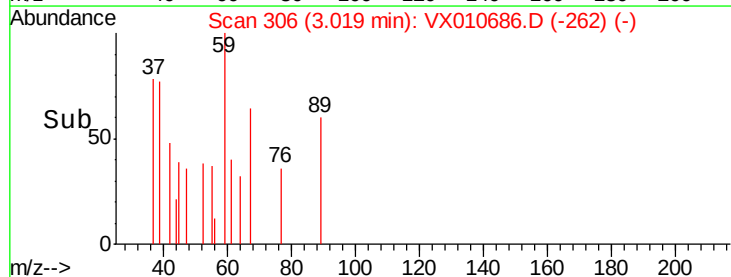
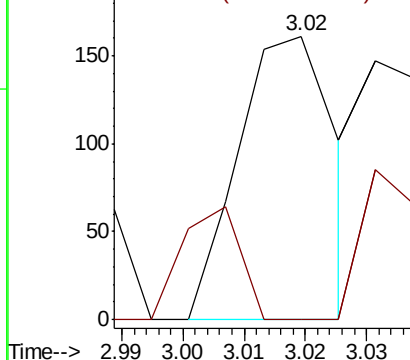


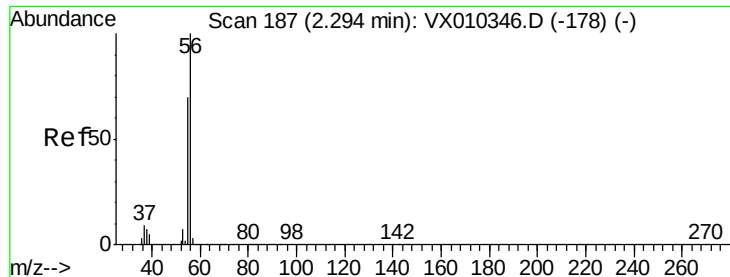
#11
Tert butyl alcohol
Concen: 0.311 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Tgt Ion: 59 Resp: 177
Ion Ratio Lower Upper
59 100
57 23.7 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.705 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010686.D

Acq: 08 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampled :

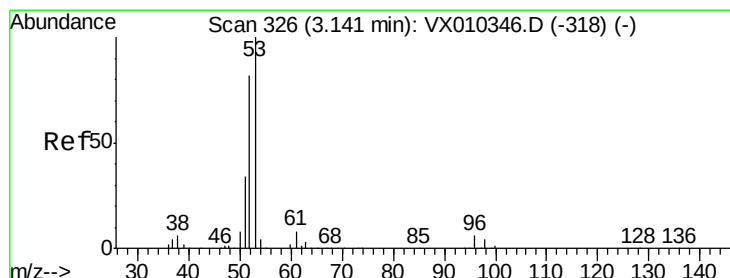
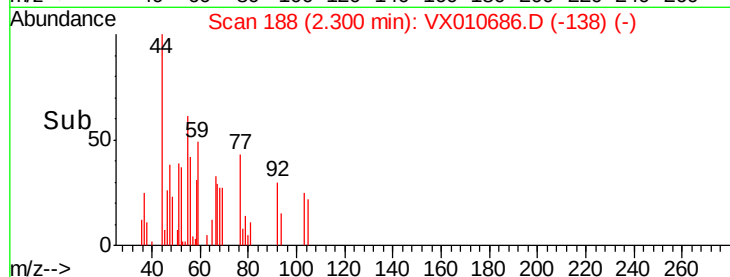
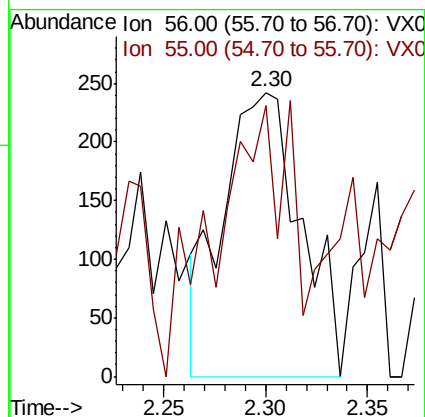
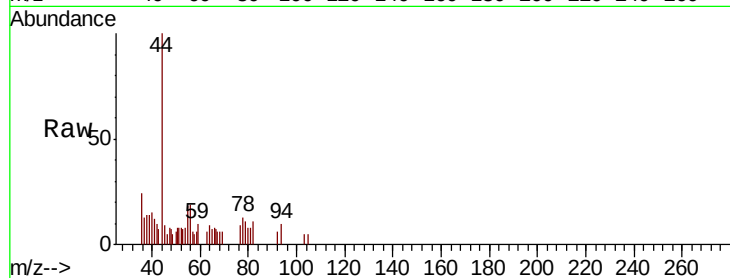
VX0708WBL01

Tot Ion: 56 Resp: 644

Ion Ratio Lower Upper

56 100

55 95.2 56.9 85.3#



#15

Acrylonitrile

Concen: 0.448 ug/l

RT: 3.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX010686.D

Acq: 08 Jul 2019 11:19

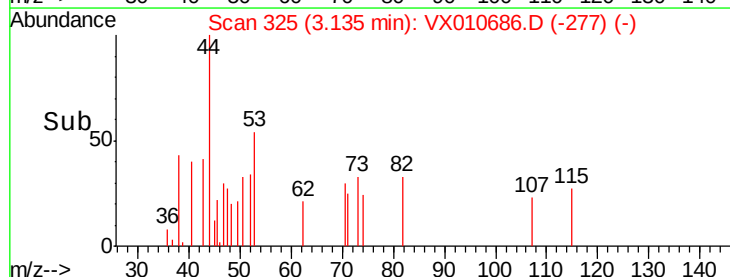
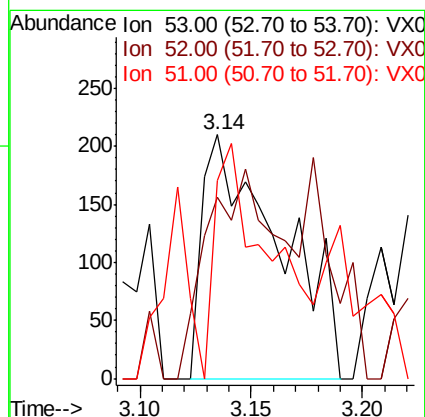
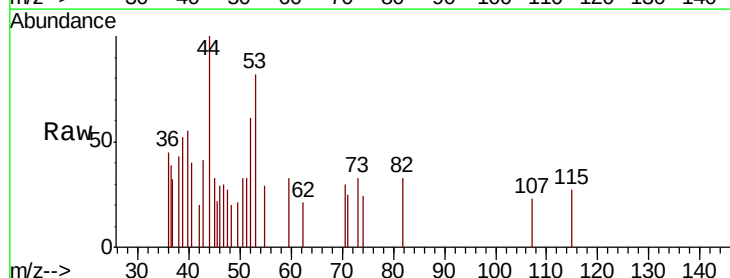
Tgt Ion: 53 Resp: 505

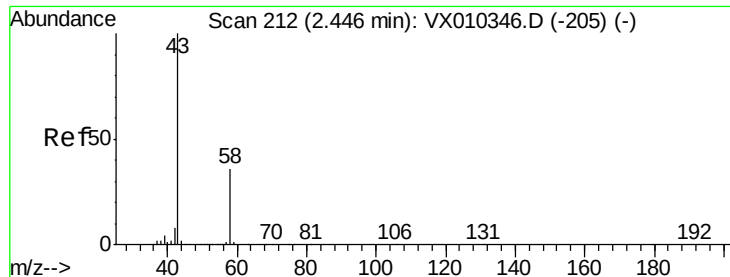
Ion Ratio Lower Upper

53 100

52 74.7 65.5 98.3

51 69.5 28.2 42.4#





#16

Acetone

Concen: 0.306 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX010686.D

Acq: 08 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampled :

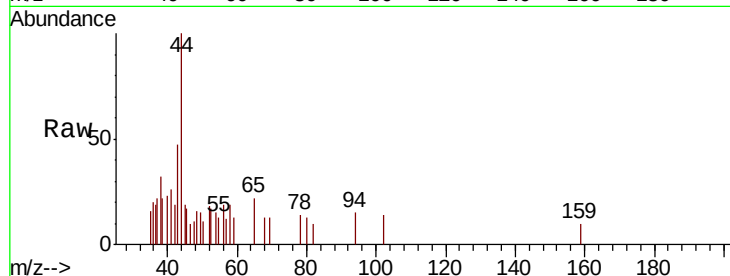
VX0708WBL01

Tot Ion: 43 Resp: 334

Ion Ratio Lower Upper

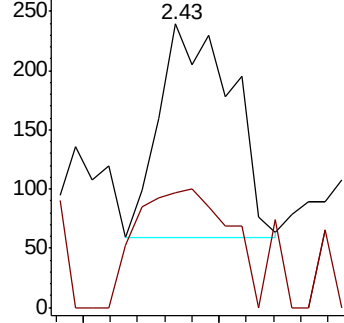
43 100

58 24.4 28.9 43.3#

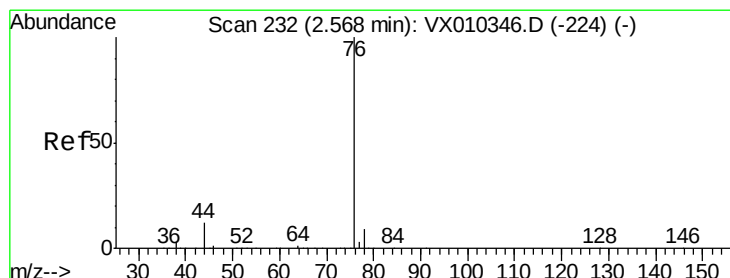
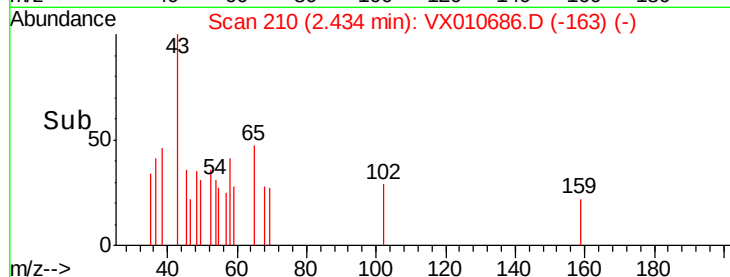


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.326 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010686.D

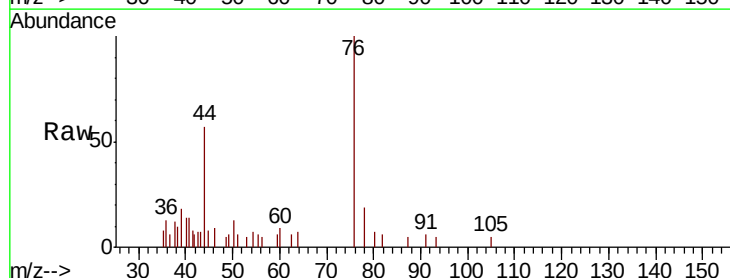
Acq: 08 Jul 2019 11:19

Tgt Ion: 76 Resp: 1757

Ion Ratio Lower Upper

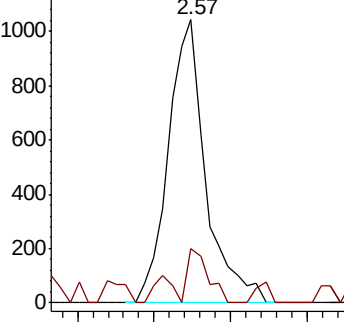
76 100

78 19.4 7.3 10.9#

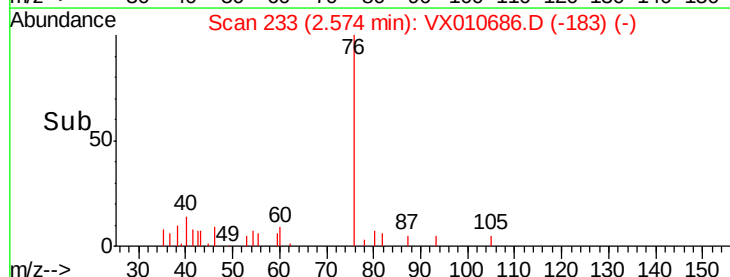


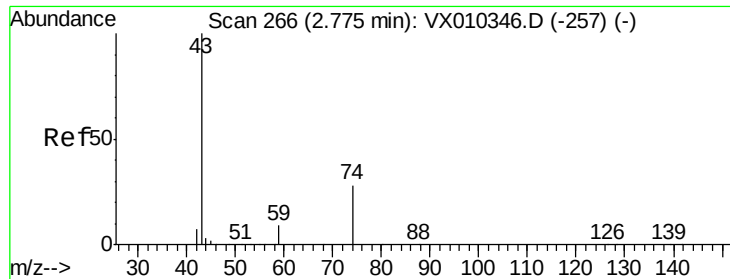
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->

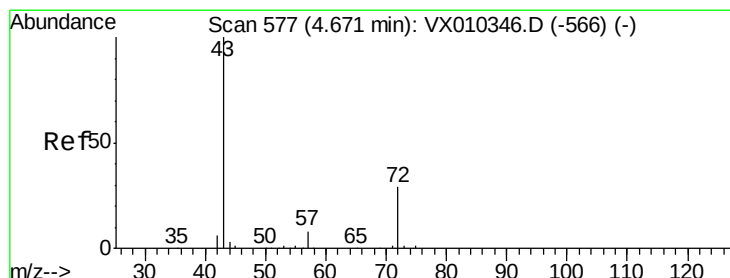
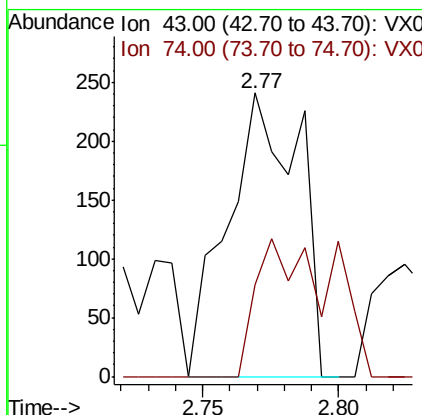
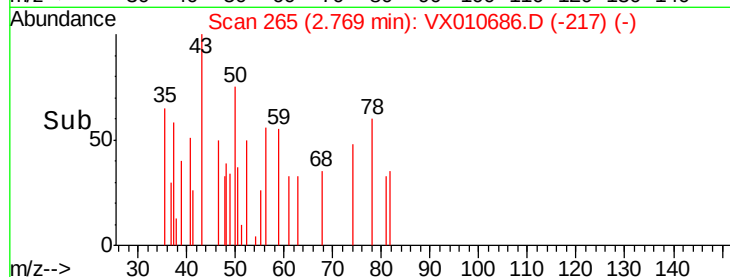
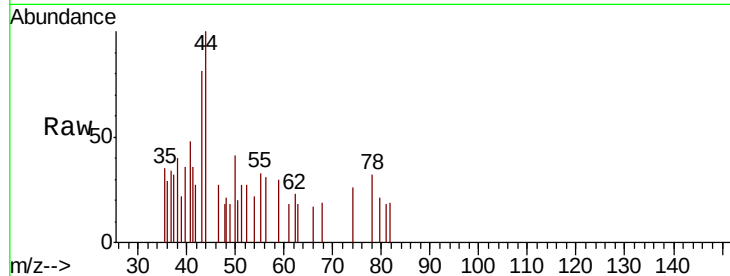




#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

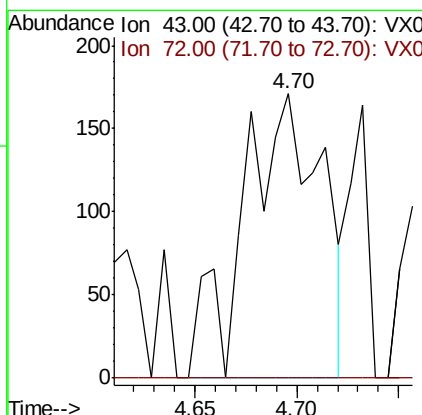
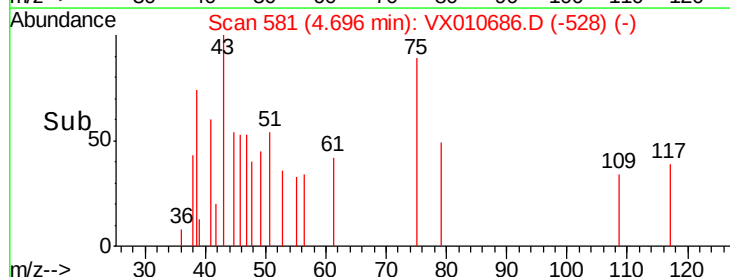
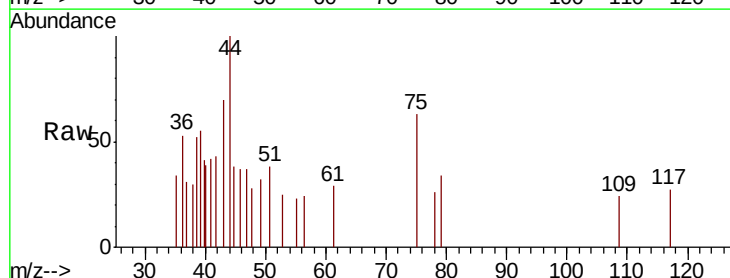
Instrument :
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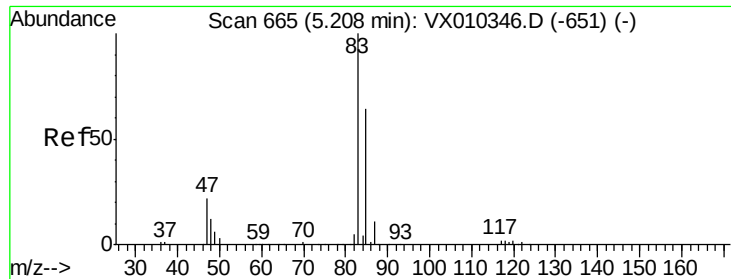
Tot Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
74 50.8 21.3 31.9#



#25
2-Butanone
Concen: 0.284 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#

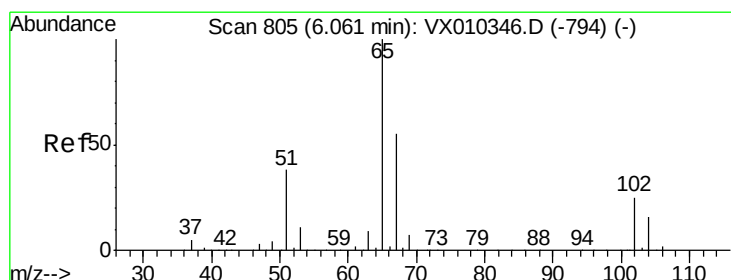
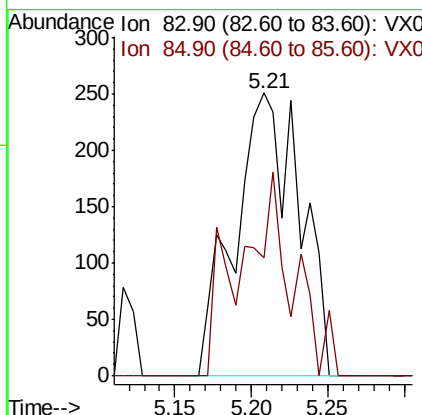
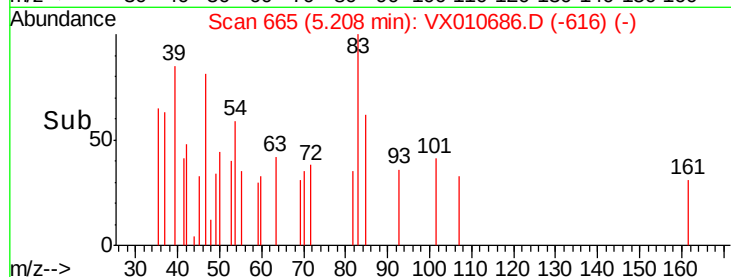
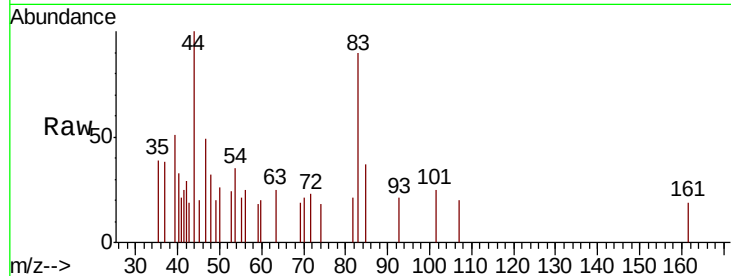




#30
Chloroform
Concen: 0.200 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

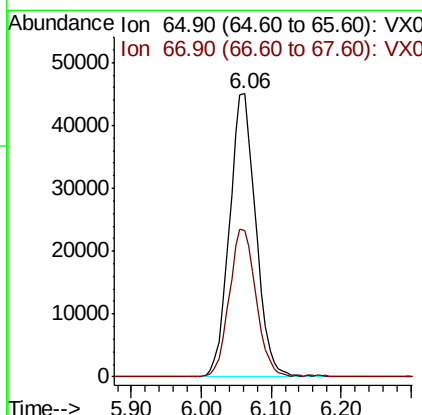
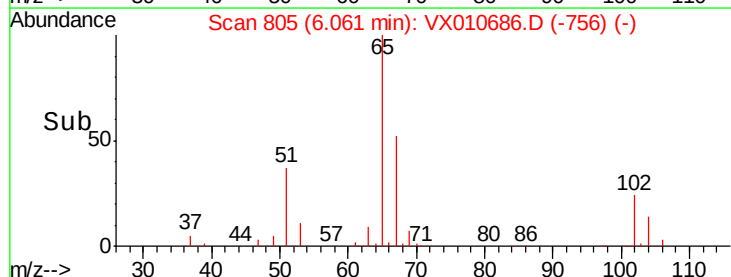
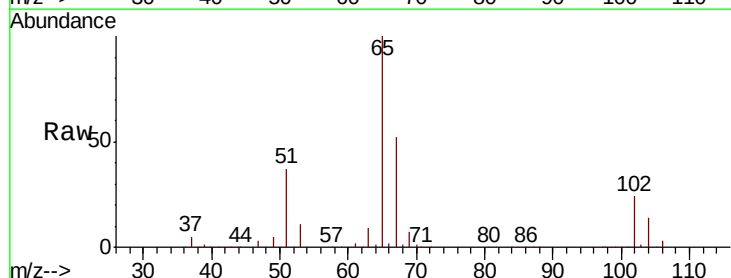
Instrument :
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VX0708WBL01

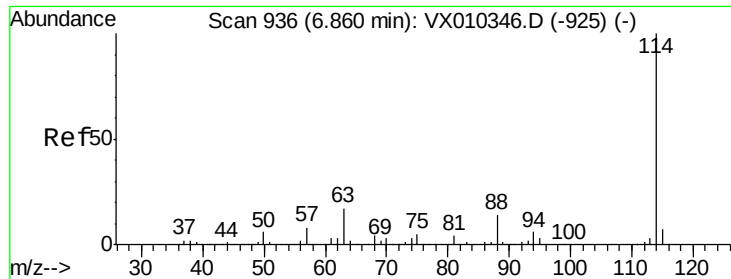
Tot Ion: 83 Resp: 744
Ion Ratio Lower Upper
83 100
85 41.4 50.9 76.3#



#33
1,2-Dichloroethane-d4
Concen: 54.198 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Tgt Ion: 65 Resp: 117951
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.2

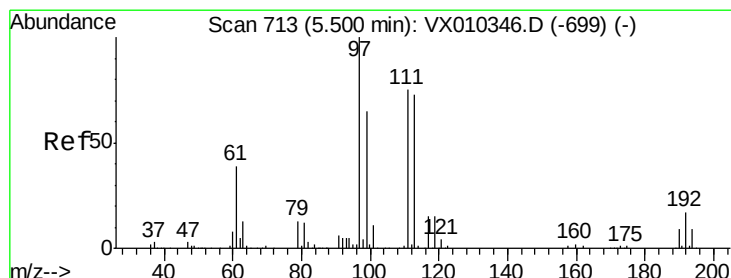
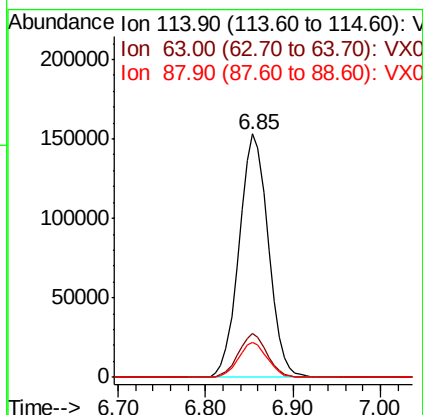
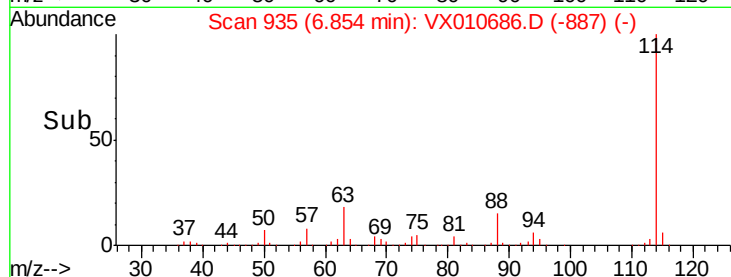
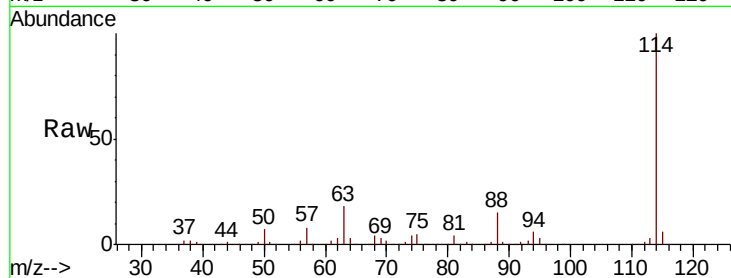




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

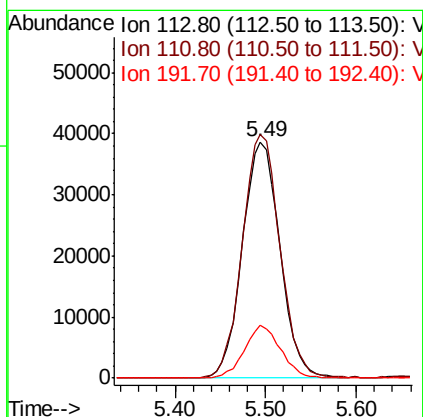
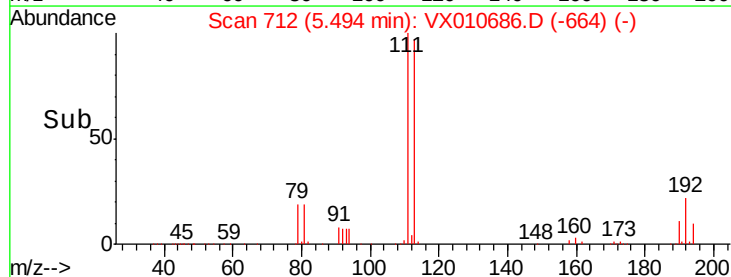
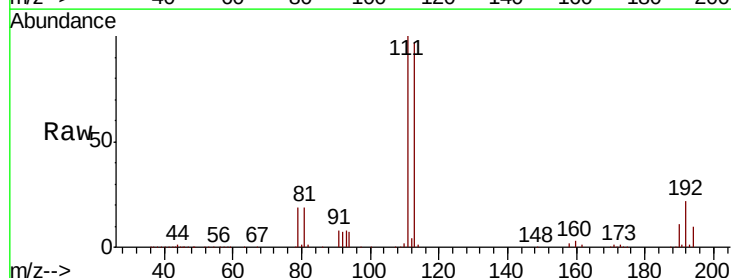
Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL01

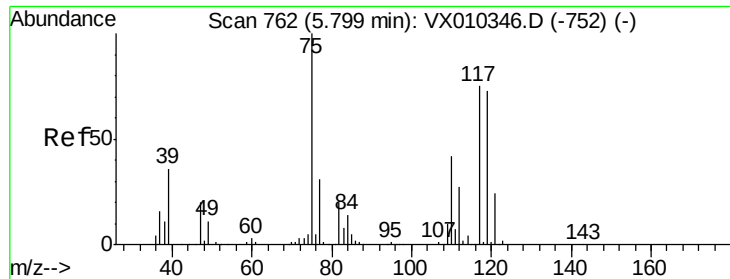
Tot Ion:114 Resp: 355555
Ion Ratio Lower Upper
114 100
63 17.9 0.0 33.8
88 14.6 0.0 27.6



#35
Dibromofluoromethane
Concen: 51.115 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Tgt Ion:113 Resp: 111196
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 21.4 18.6 27.8

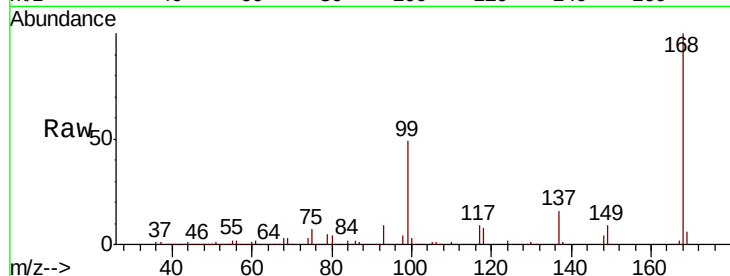




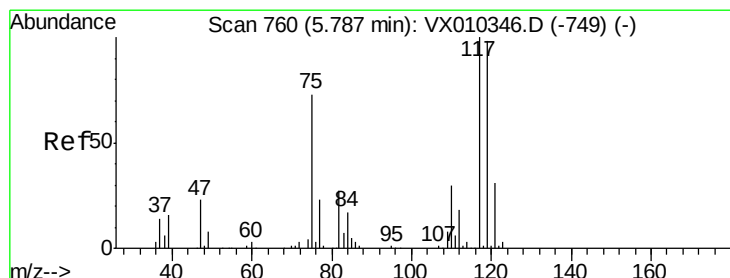
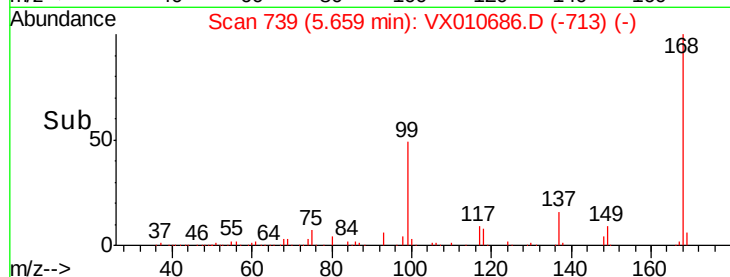
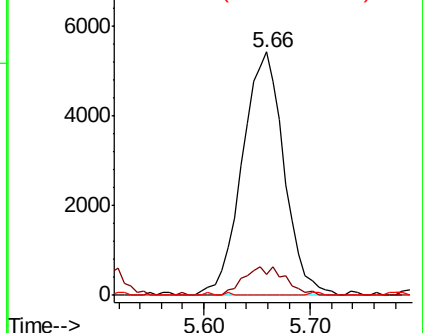
#36
 1,1-Dichloropropene
 Concen: 5.284 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010686.D
 Acq: 08 Jul 2019 11:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0708WBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	20.8	62.2#
77	0.0	25.4	38.0#

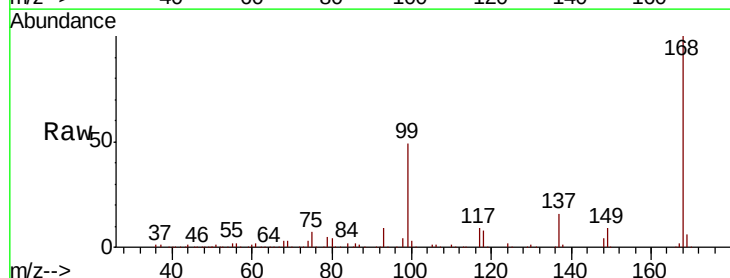


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

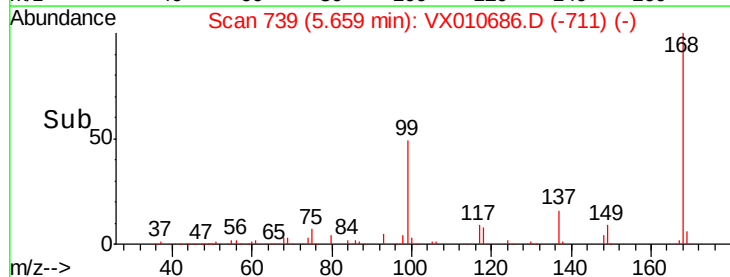
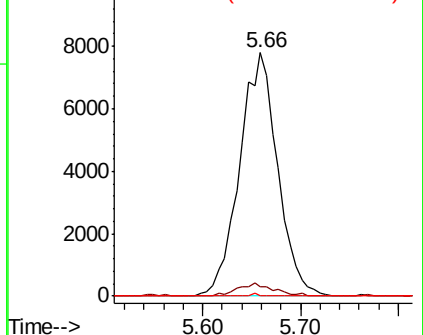


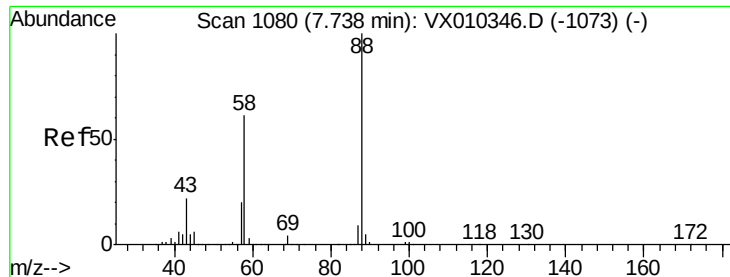
#38
 Carbon Tetrachloride
 Concen: 6.861 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010686.D
 Acq: 08 Jul 2019 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	78.2	117.4#
121	0.0	24.7	37.1#



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

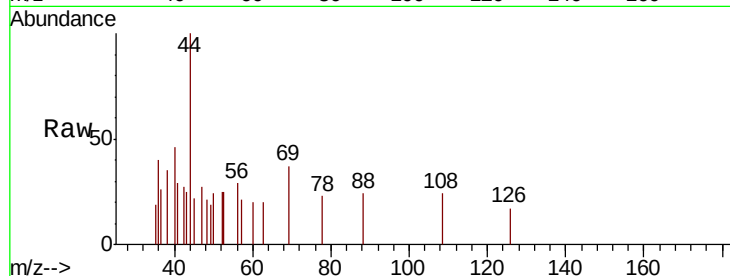




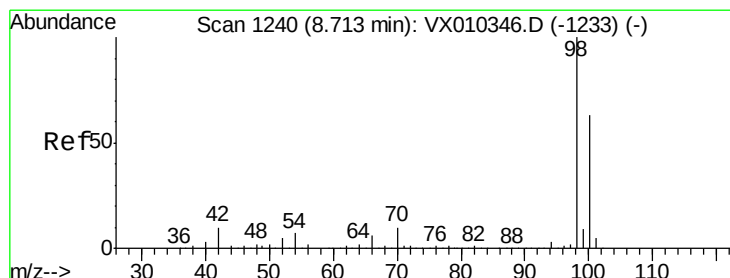
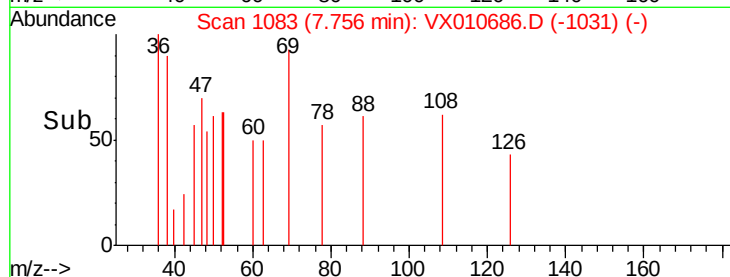
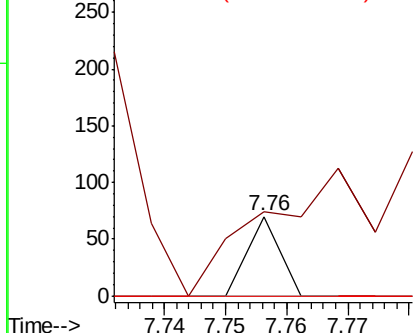
#49
1,4-Dioxane
Concen: 0.404 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL01

Tot Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

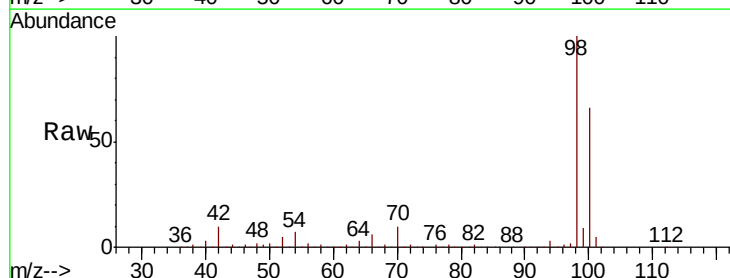


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

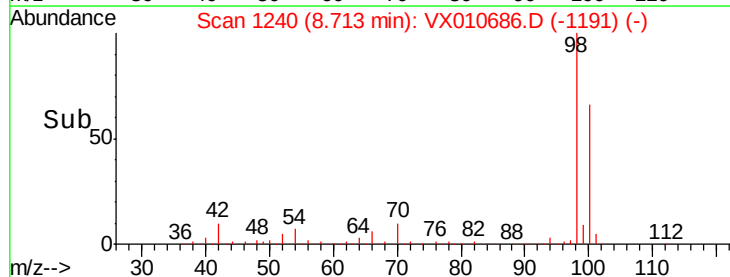
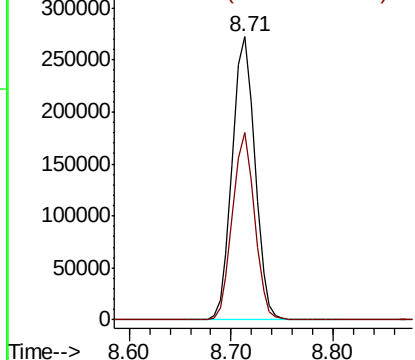


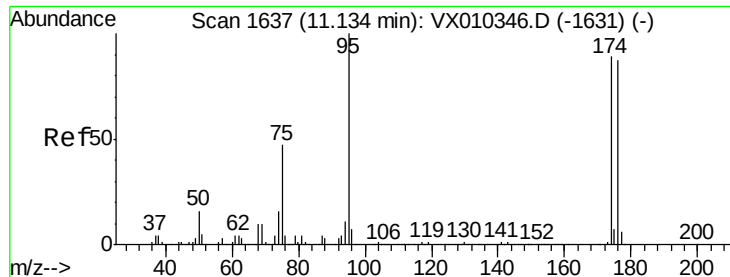
#50
Toluene-d8
Concen: 50.339 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Tgt Ion: 98 Resp: 418957
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.778 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010686.D

Acq: 08 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

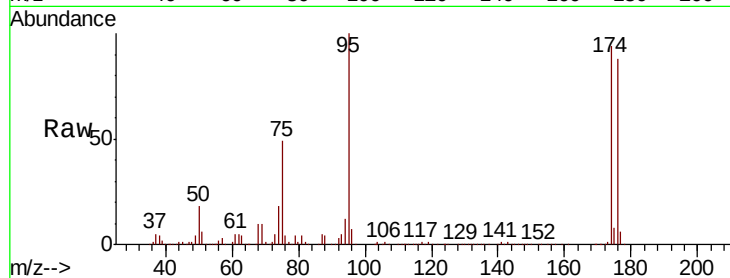
Tot Ion: 95 Resp: 140554

Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.6

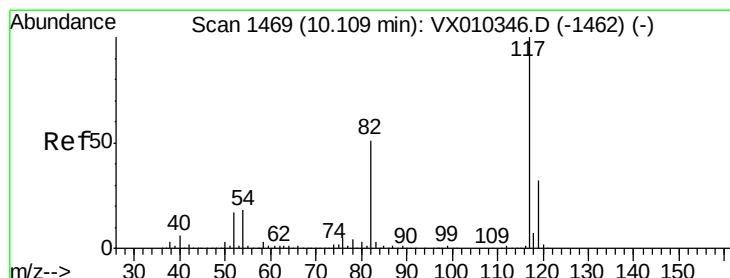
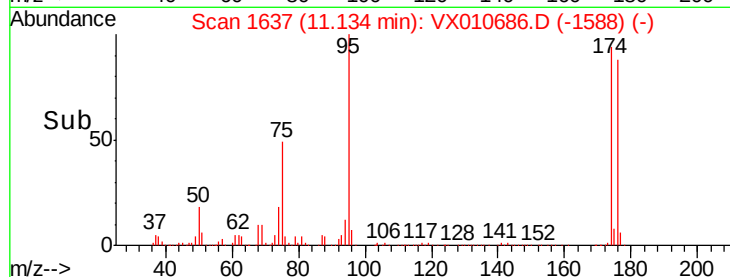
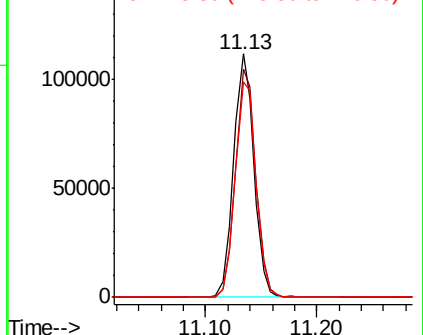
176 91.6 0.0 184.0



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: VX010686.D

Acq: 08 Jul 2019 11:19

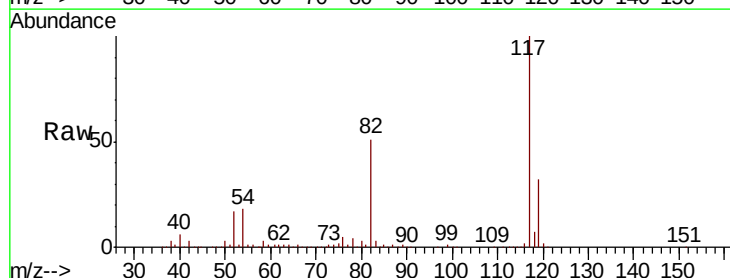
Tgt Ion: 117 Resp: 321673

Ion Ratio Lower Upper

117 100

82 50.9 41.2 61.8

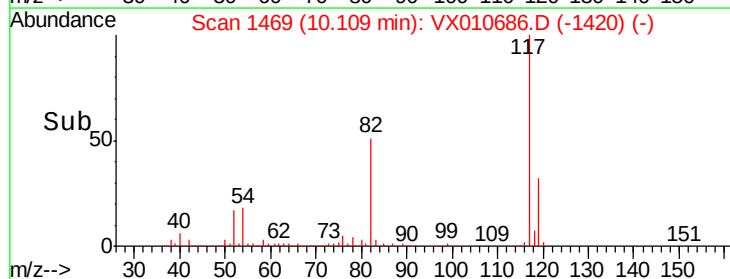
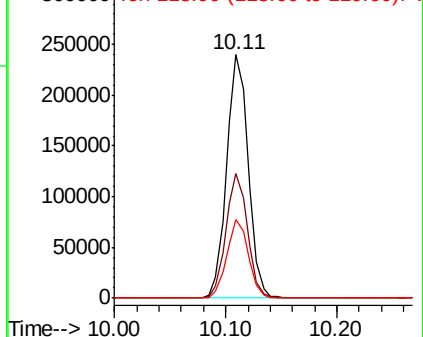
119 32.4 25.5 38.3

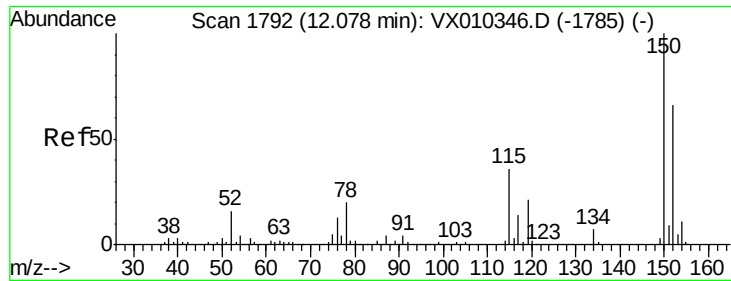


Abundance Ion 116.90 (116.60 to 117.60): V

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: VX010686.D

Acq: 08 Jul 2019 11:19

Instrument :

MSVOA_X

ClientSampleId :

VX0708WBL01

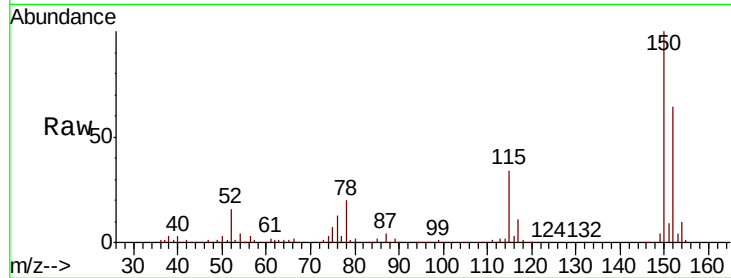
Tot Ion:152 Resp: 145464

Ion Ratio Lower Upper

152 100

115 55.8 38.6 115.7

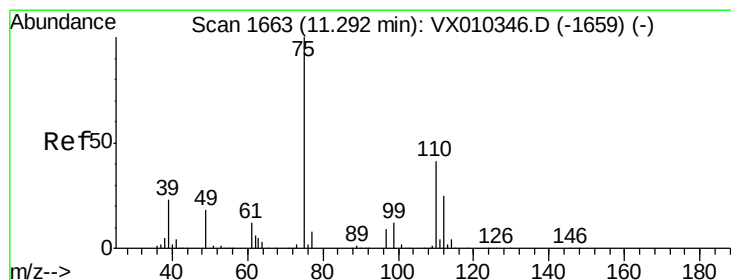
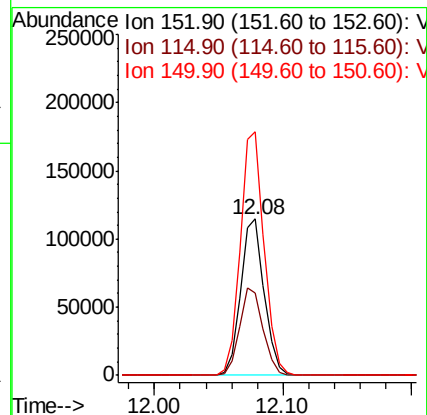
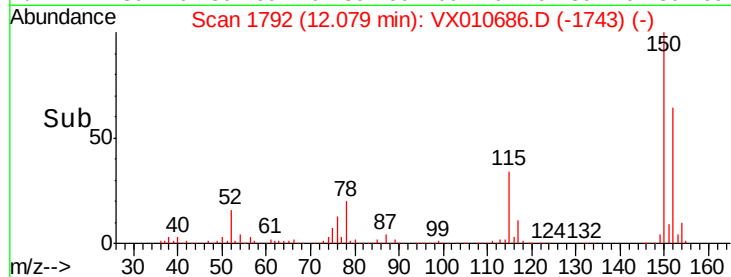
150 157.2 0.0 347.4



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: 26.198 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010686.D

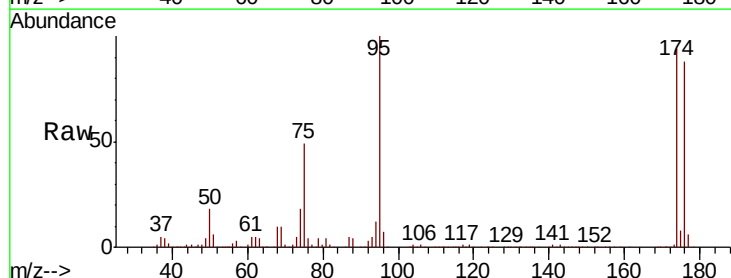
Acq: 08 Jul 2019 11:19

Tgt Ion: 75 Resp: 69445

Ion Ratio Lower Upper

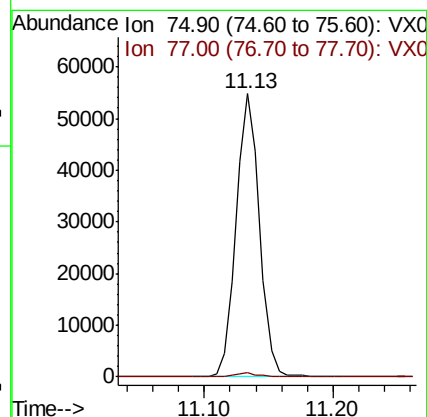
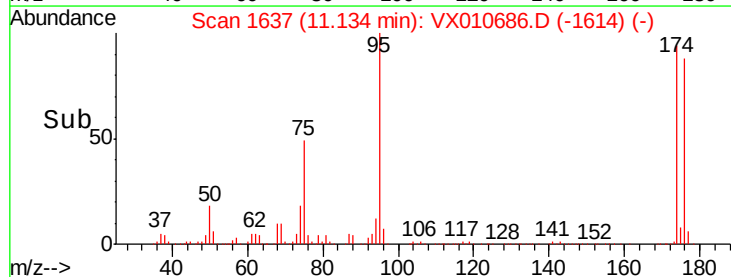
75 100

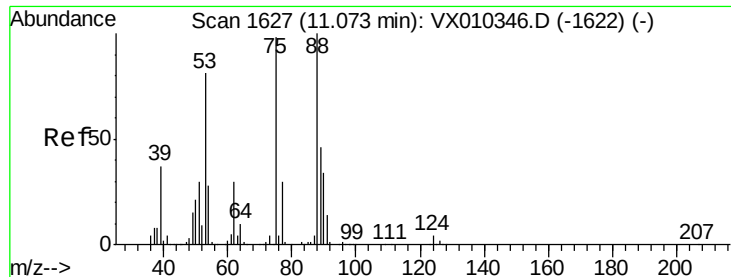
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

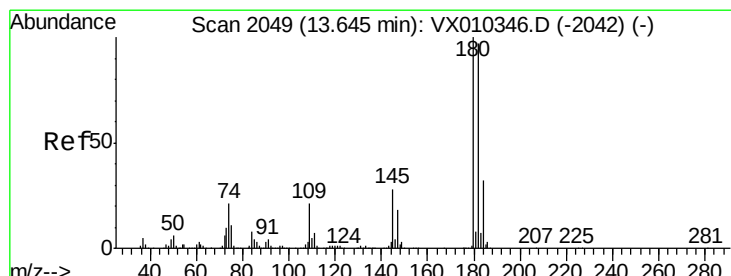
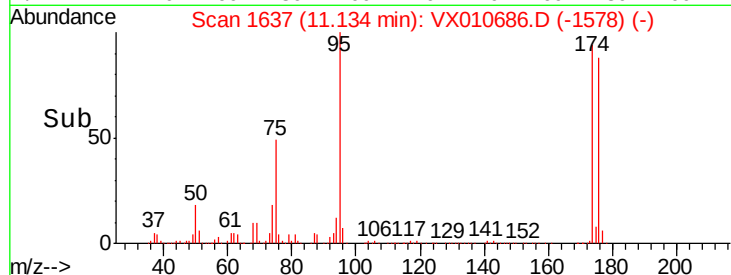
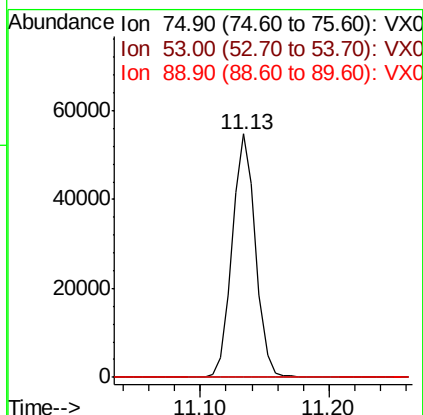
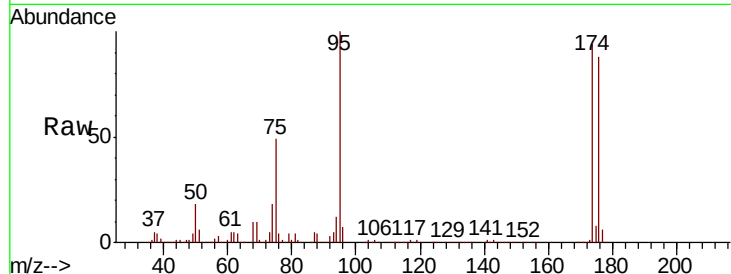




#81
trans-1,4-Dichloro-2-butene
Concen: 61.118 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Instrument :
MSVOA_X
ClientSampleId :
VX0708WBL01

Tot Ion: 75 Resp: 69445
Ion Ratio Lower Upper
75 100
53 0.2 66.1 99.1#
89 0.0 37.8 56.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.201 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX010686.D
Acq: 08 Jul 2019 11:19

Tgt Ion: 180 Resp: 666
Ion Ratio Lower Upper
180 100
182 79.6 48.0 144.0
145 27.2 14.4 43.4

