

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008666.D
 Acq On : 05 Apr 2019 03:46
 Operator : JC/SP
 Sample : K2274-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-190403

Quant Time: Apr 05 07:15:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	212825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	312916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131039	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	148573	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
35) Dibromofluoromethane	5.50	113	107847	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.46%	
50) Toluene-d8	8.71	98	451623	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.13	95	152069	47.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.32%	

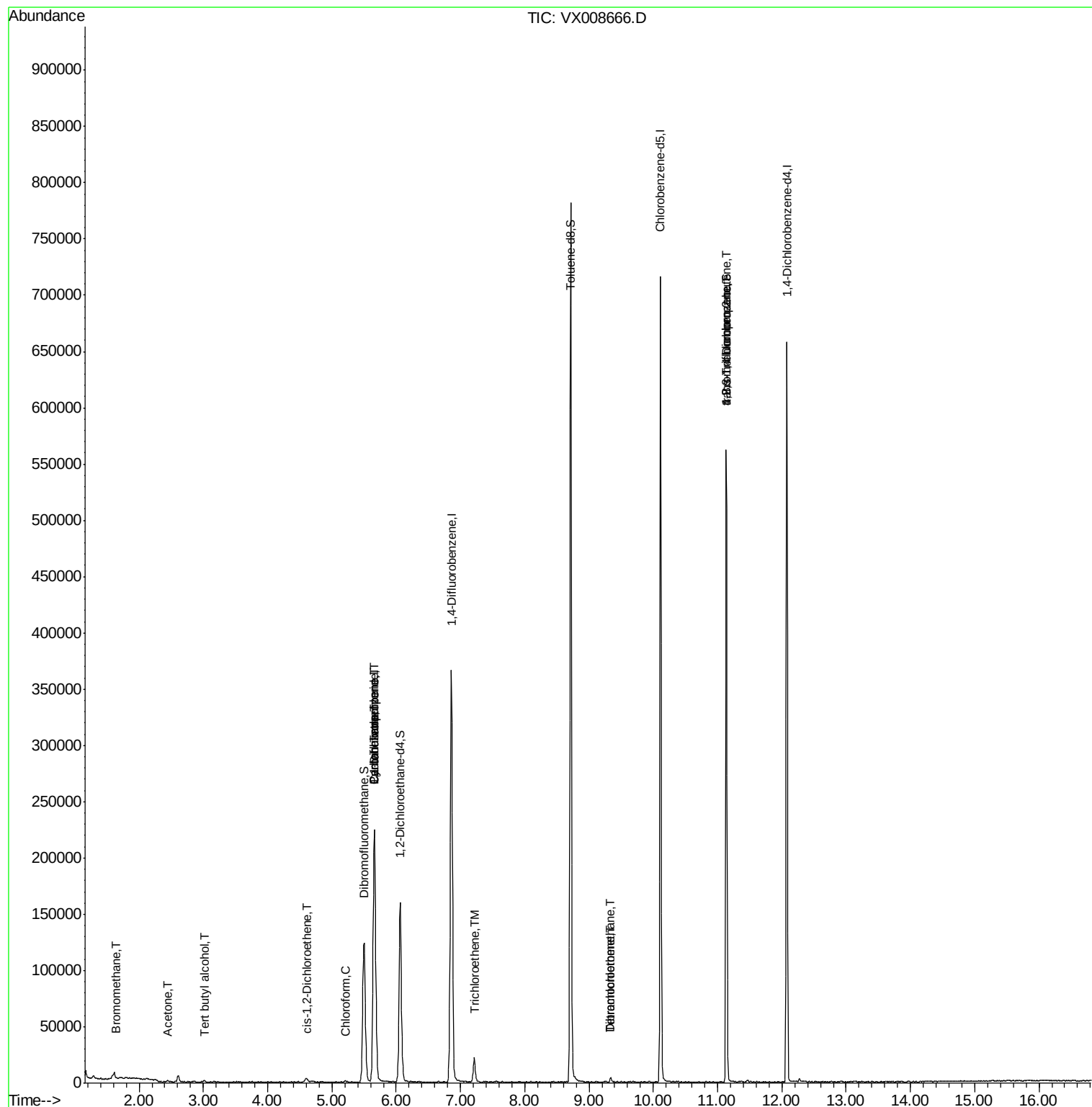
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	438	Below Cal	#	80
5) Bromomethane	1.64	94	341	2.086	ug/l #	67
6) Chloroethane	1.70	64	544	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	808	1.112	ug/l #	72
16) Acetone	2.44	43	1139	0.637	ug/l	98
17) Carbon Disulfide	2.57	76	503	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.60	96	2103	0.687	ug/l	93
28) Bromochloromethane	5.09	49	93	Below Cal	#	22
30) Chloroform	5.21	83	984	0.205	ug/l	91
31) Cyclohexane	5.66	56	4894	0.912	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17441	4.467	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20620	6.381	ug/l #	18
44) Trichloroethene	7.21	130	7774	2.870	ug/l	92
60) Dibromochloromethane	9.33	129	605	0.233	ug/l #	11
64) Tetrachloroethene	9.33	164	582	0.251	ug/l #	65
76) 1,2,3-Trichloropropane	11.13	75	77763	21.602	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	77763	59.548	ug/l #	9

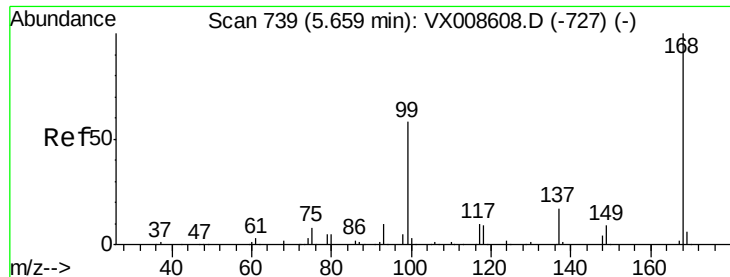
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

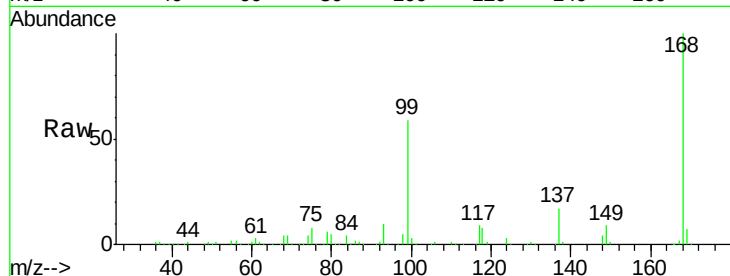
ST006MW184-190403

Tgt Ion:168 Resp: 212825

Ion Ratio Lower Upper

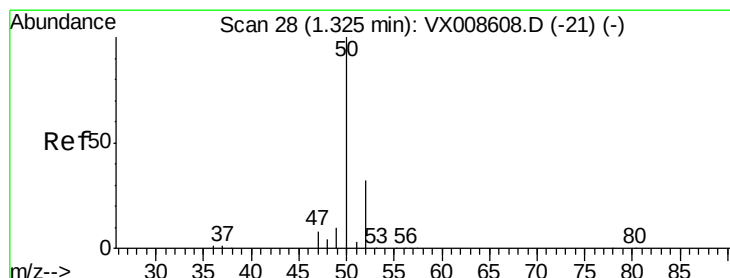
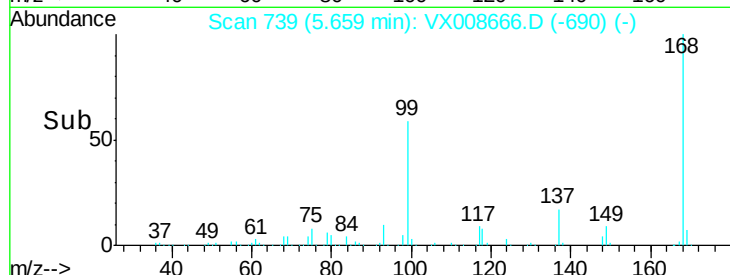
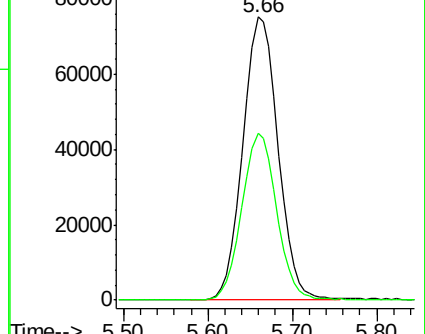
168 100

99 59.1 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008666.D

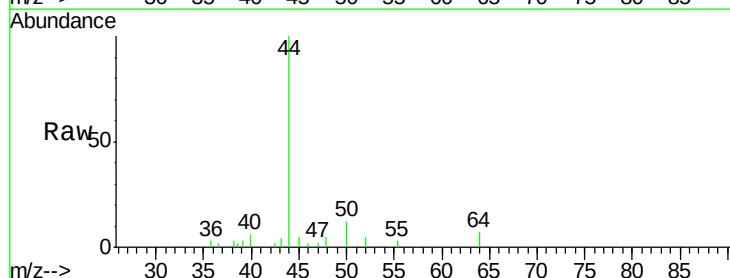
Acq: 05 Apr 2019 03:46

Tgt Ion: 50 Resp: 438

Ion Ratio Lower Upper

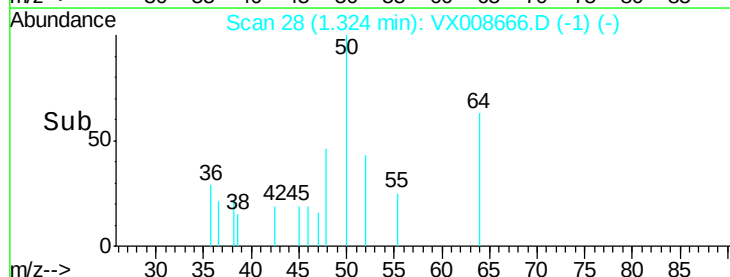
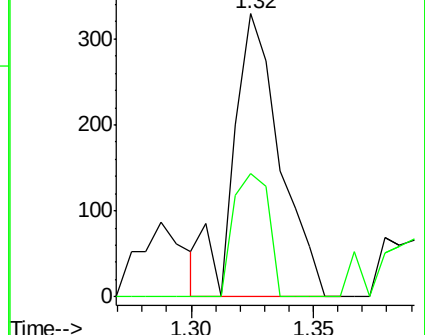
50 100

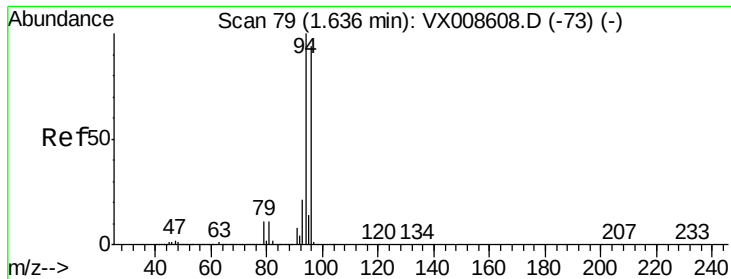
52 43.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.086 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

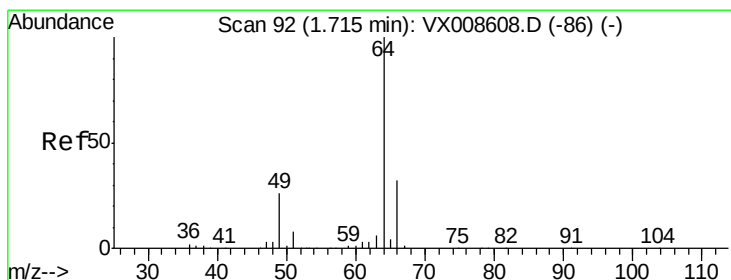
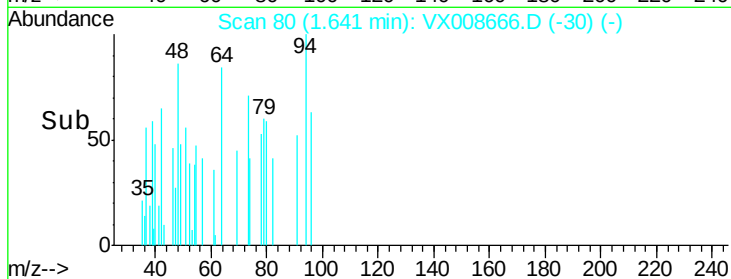
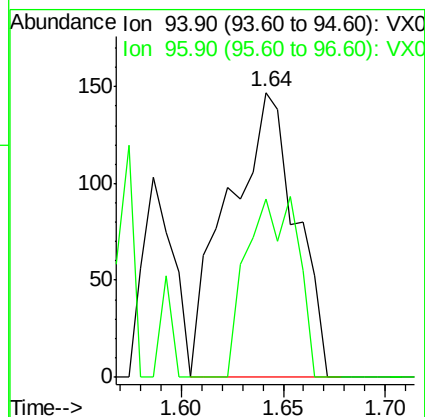
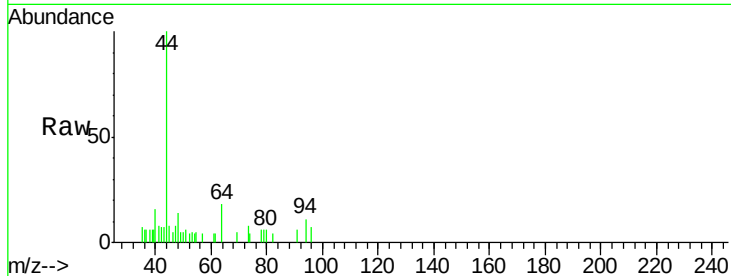
ST006MW184-190403

Tgt Ion: 94 Resp: 341

Ion Ratio Lower Upper

94 100

96 62.6 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008666.D

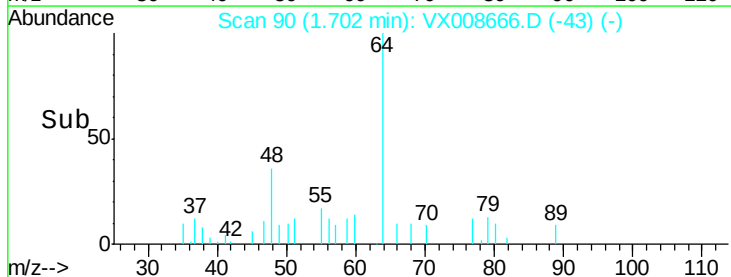
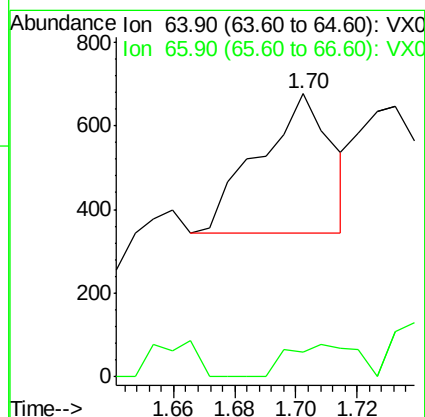
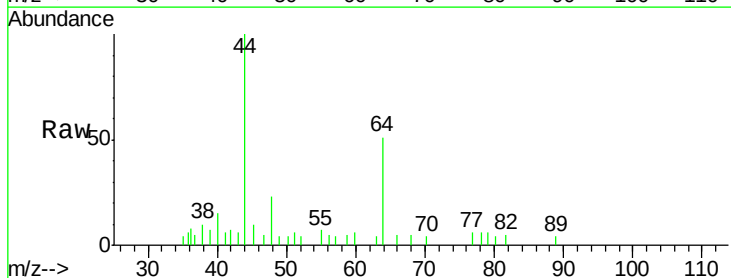
Acq: 05 Apr 2019 03:46

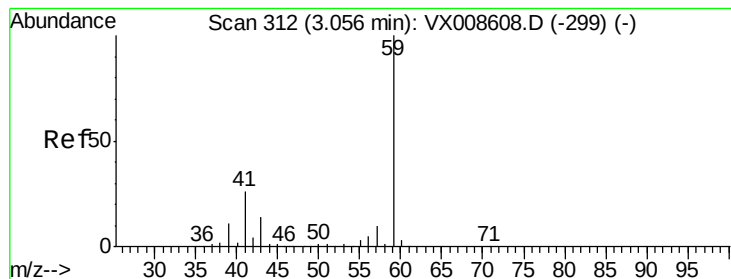
Tgt Ion: 64 Resp: 544

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



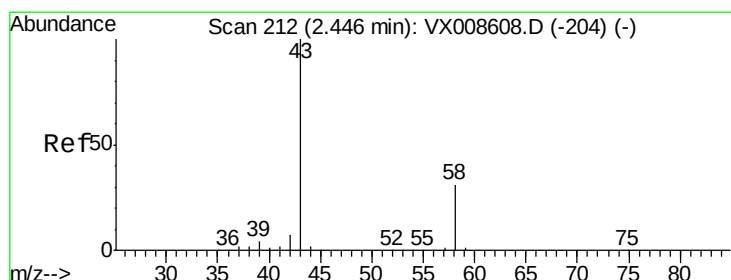
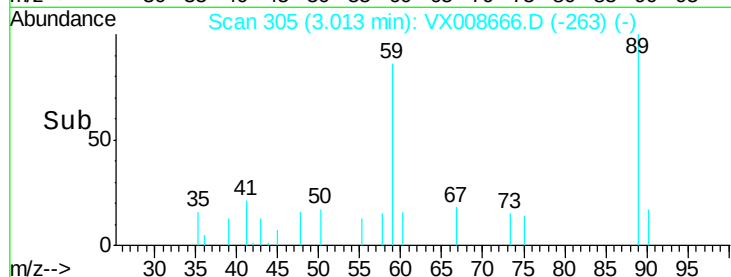
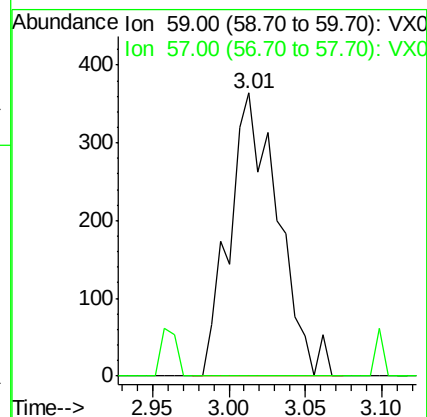
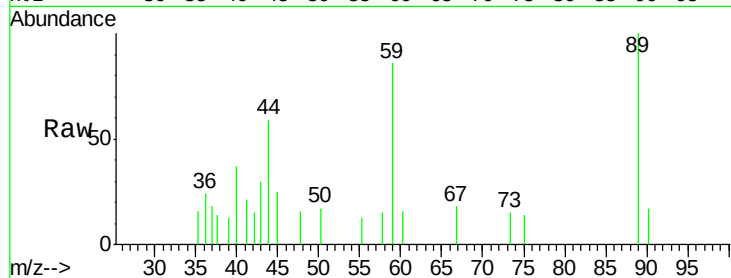


#11

Tert butyl alcohol
 Concen: 1.112 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX008666.D
 Acq: 05 Apr 2019 03:46

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-190403

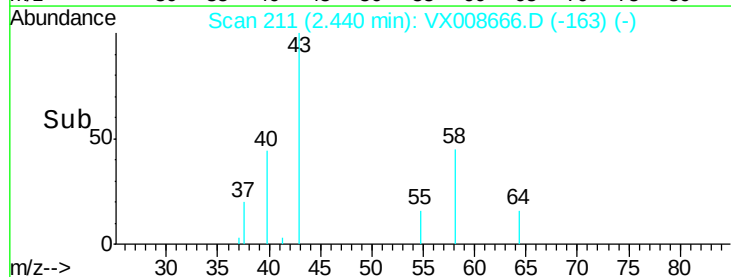
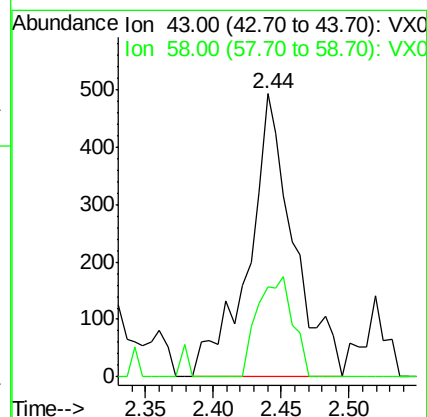
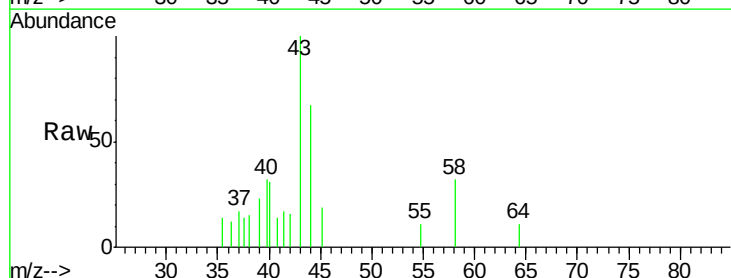
Tgt Ion: 59 Resp: 808
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

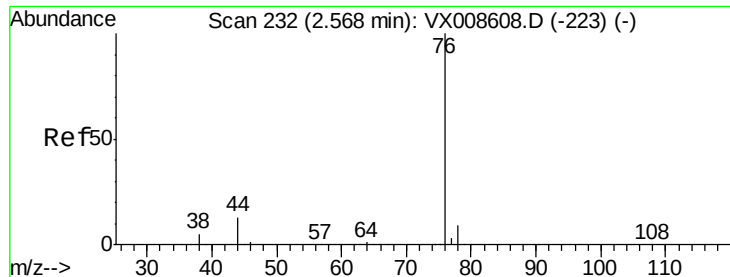


#16

Acetone
 Concen: 0.637 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX008666.D
 Acq: 05 Apr 2019 03:46

Tgt Ion: 43 Resp: 1139
 Ion Ratio Lower Upper
 43 100
 58 32.0 24.8 37.2





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

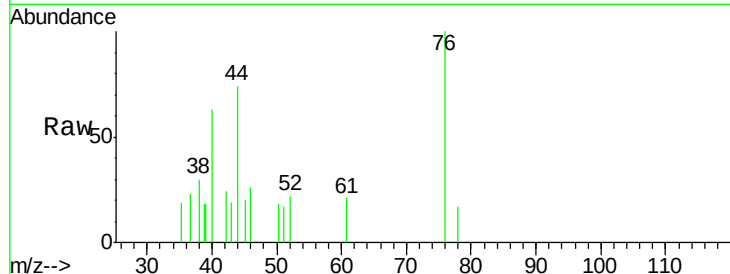
ST006MW184-190403

Tgt Ion: 76 Resp: 503

Ion Ratio Lower Upper

76 100

78 16.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

300

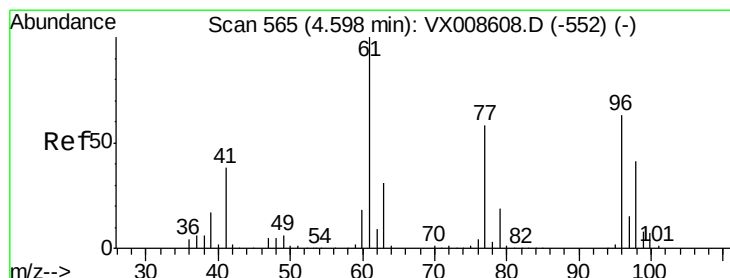
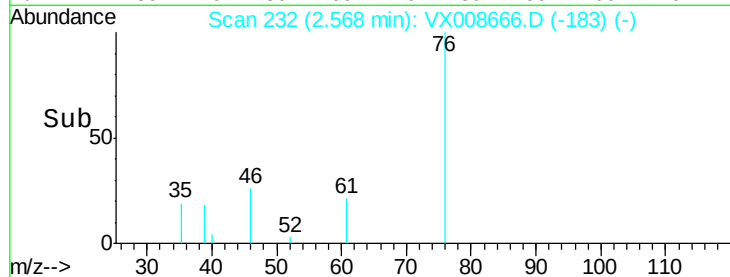
200

100

0

2.55 2.60

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.687 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

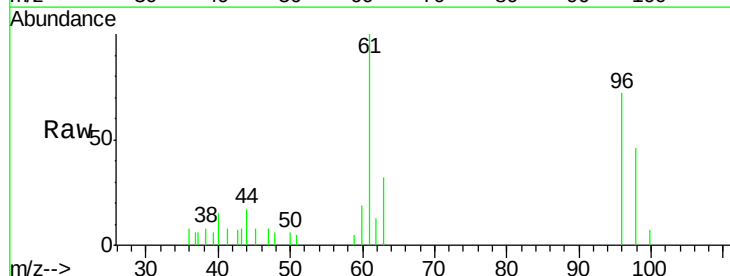
Tgt Ion: 96 Resp: 2103

Ion Ratio Lower Upper

96 100

61 151.9 0.0 327.6

98 65.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.60

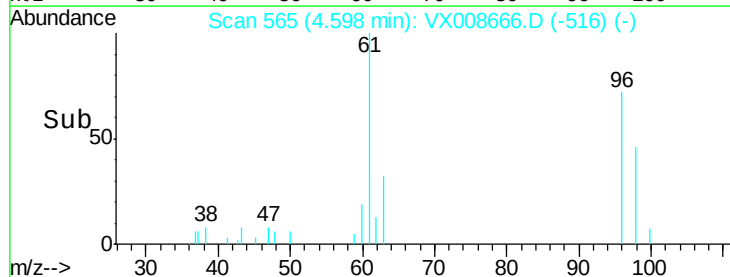
1000

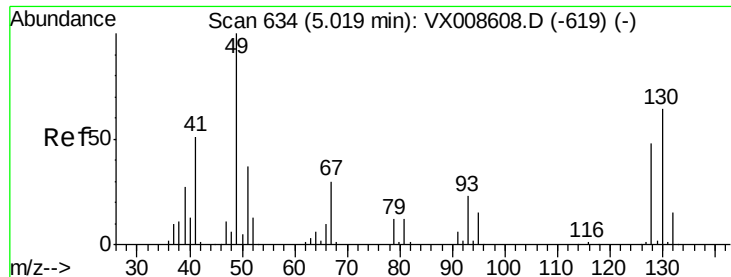
500

0

4.50 4.55 4.60 4.65 4.70

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.09 min Scan# 645

Delta R.T. 0.07 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

ST006MW184-190403

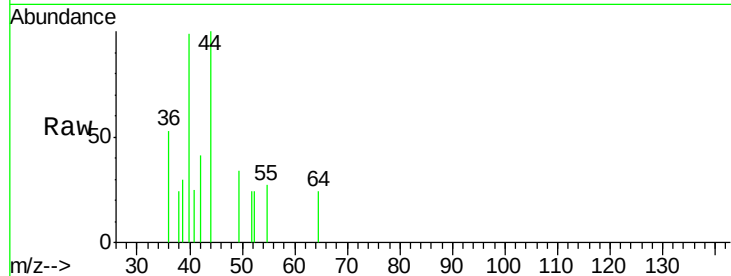
Tgt Ion: 49 Resp: 93

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

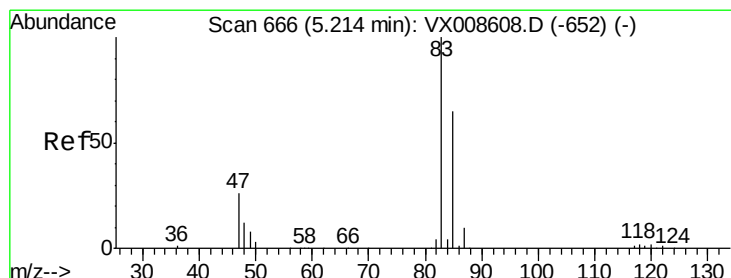
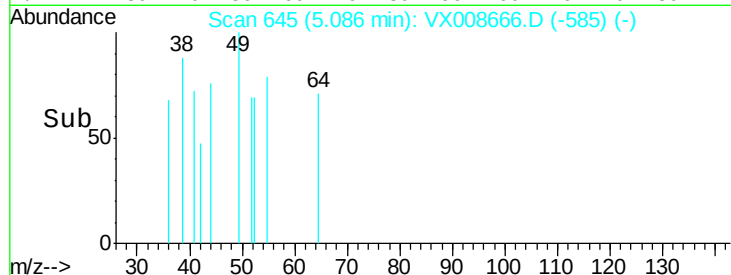
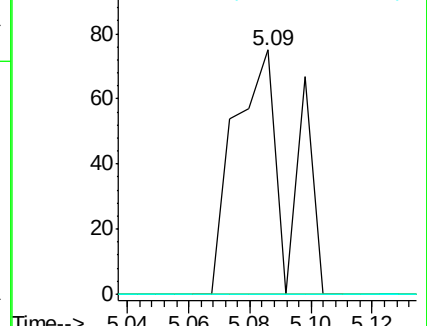
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 0.205 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX008666.D

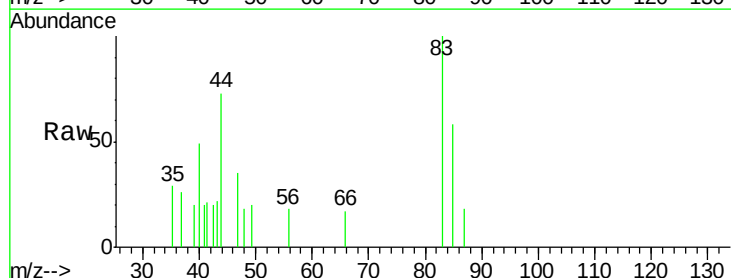
Acq: 05 Apr 2019 03:46

Tgt Ion: 83 Resp: 984

Ion Ratio Lower Upper

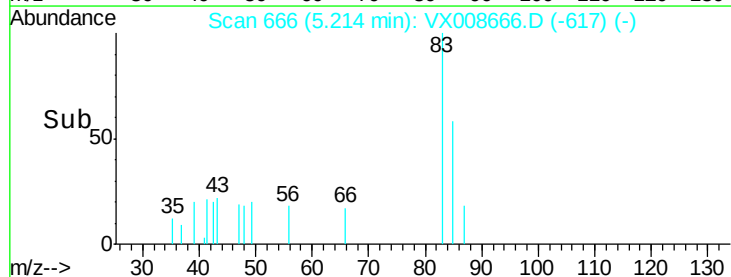
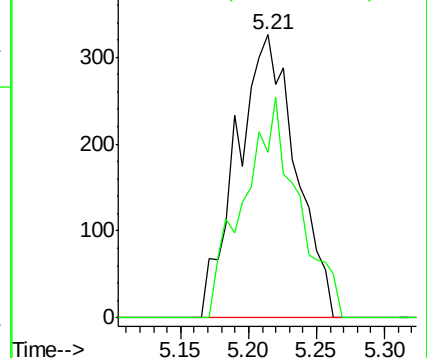
83 100

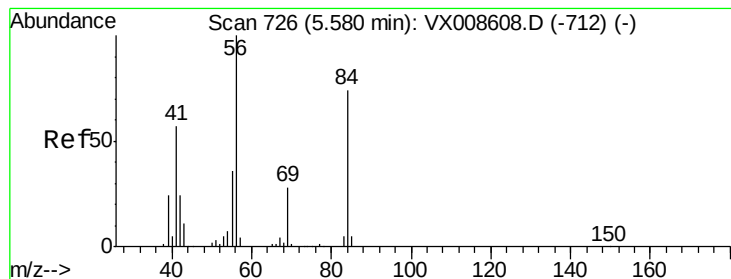
85 58.3 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 0.912 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.08 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

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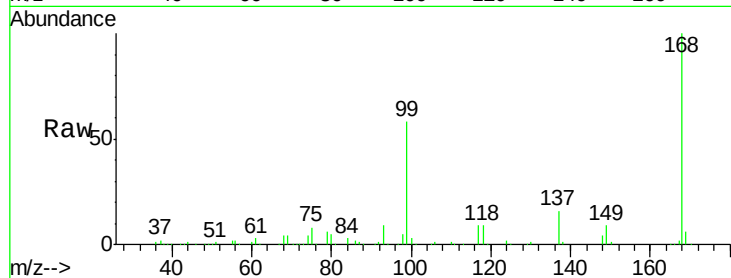
Tgt Ion: 56 Resp: 4894

Ion Ratio Lower Upper

56 100

69 149.3 22.6 33.8#

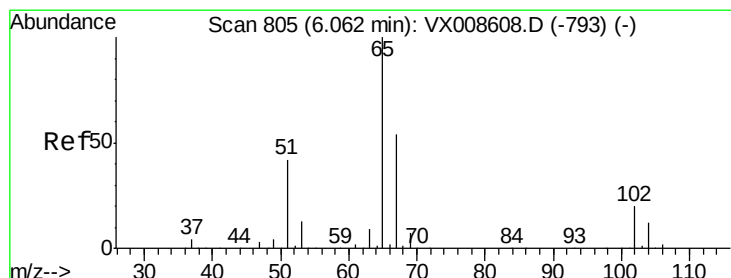
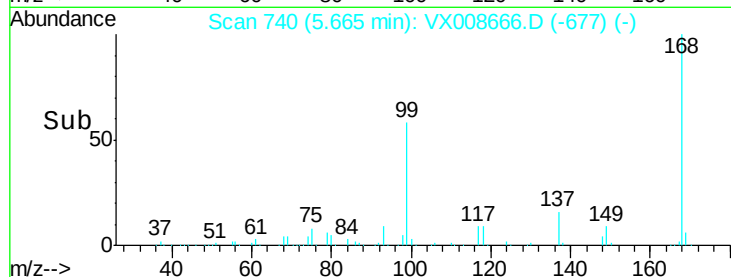
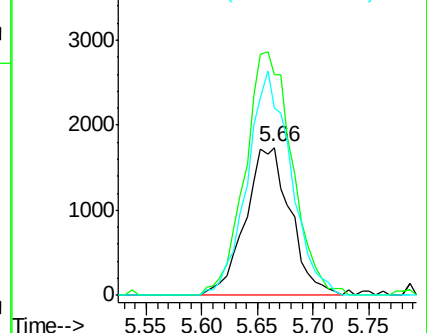
84 127.0 59.3 88.9#



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: 47.862 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008666.D

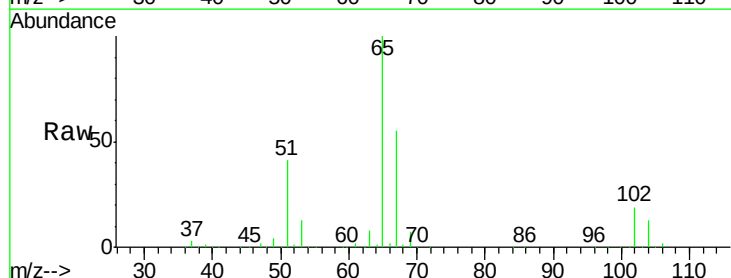
Acq: 05 Apr 2019 03:46

Tgt Ion: 65 Resp: 148573

Ion Ratio Lower Upper

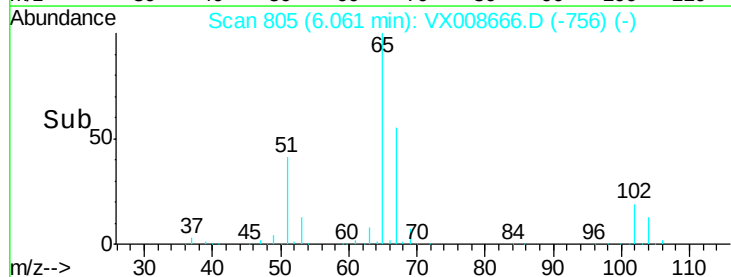
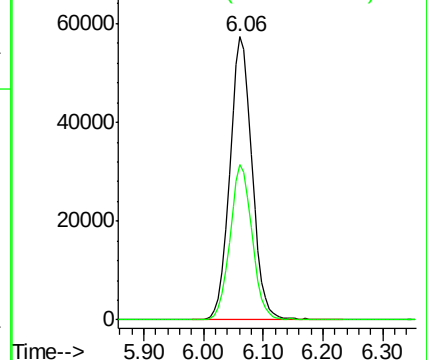
65 100

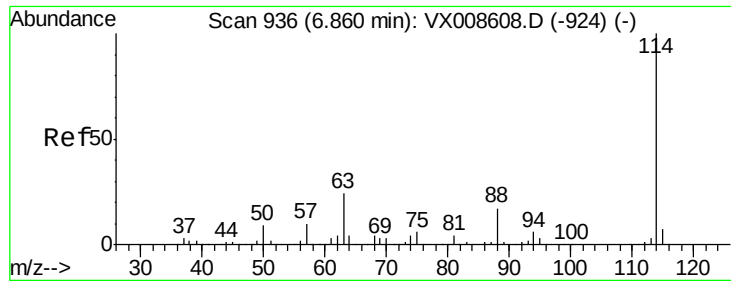
67 54.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

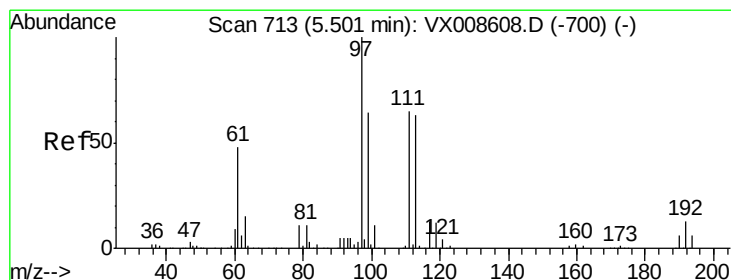
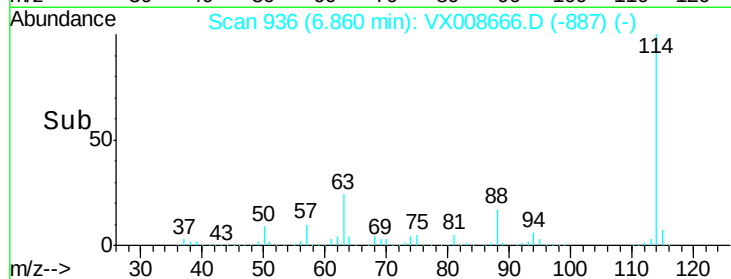
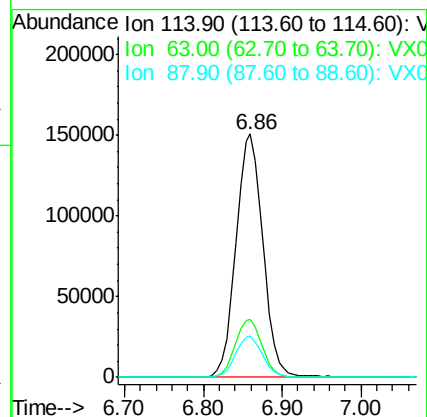
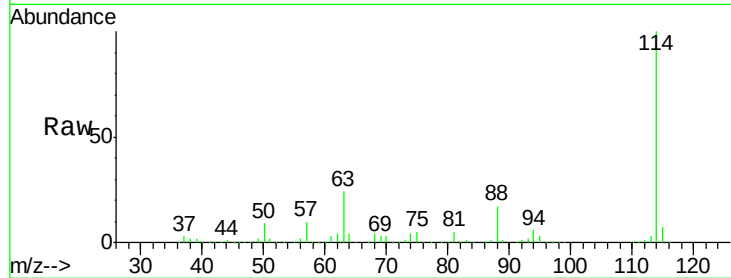




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008666.D
 Acq: 05 Apr 2019 03:46

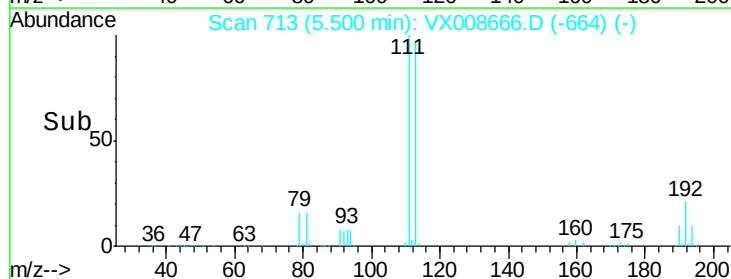
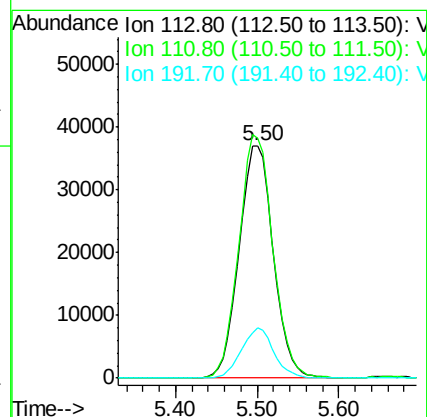
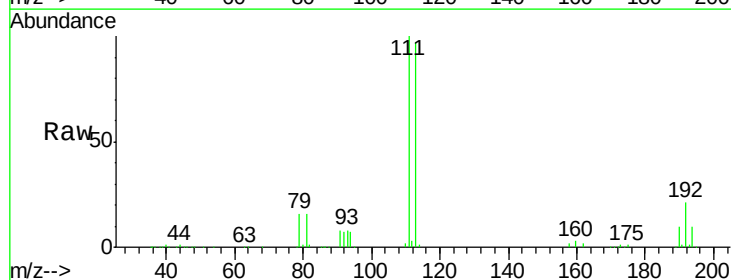
Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-190403

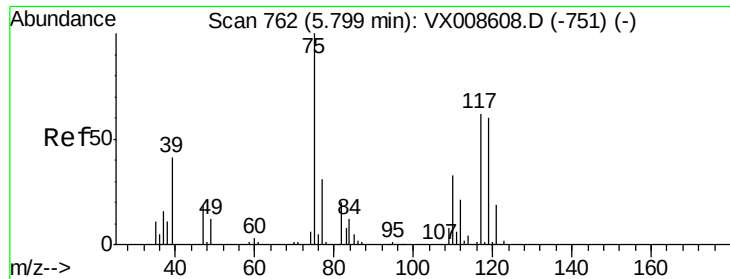
Tgt Ion:114 Resp: 357169
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 47.2
 88 17.2 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 47.227 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008666.D
 Acq: 05 Apr 2019 03:46

Tgt Ion:113 Resp: 107847
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.4 125.2
 192 20.5 16.1 24.1

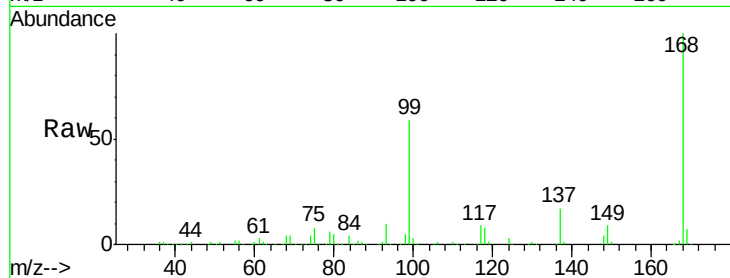




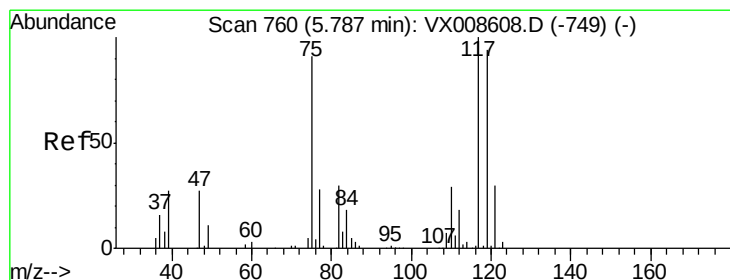
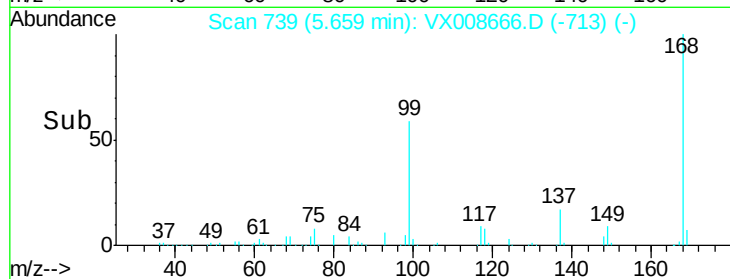
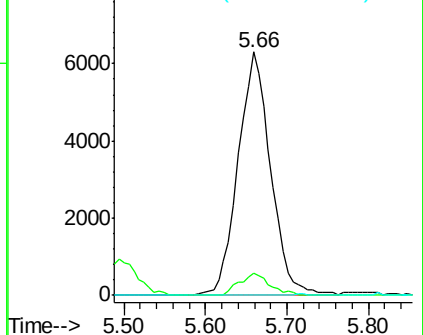
#36
 1,1-Dichloropropene
 Concen: 4.467 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008666.D
 Acq: 05 Apr 2019 03:46

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW184-190403

Tgt Ion: 75 Resp: 17441
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.4 49.2#
 77 0.0 24.7 37.1#

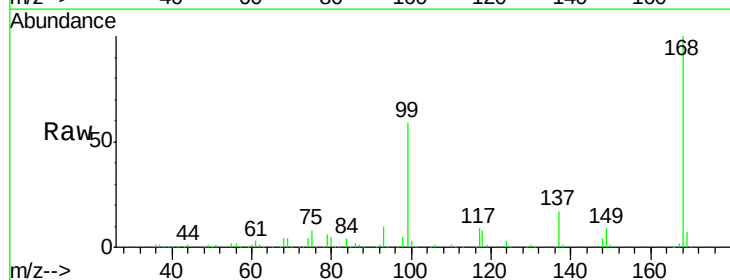


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

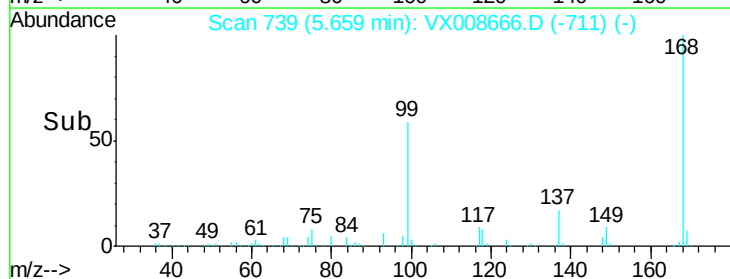
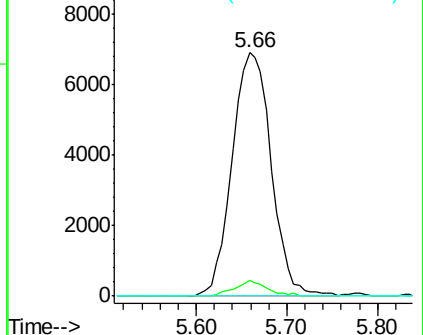


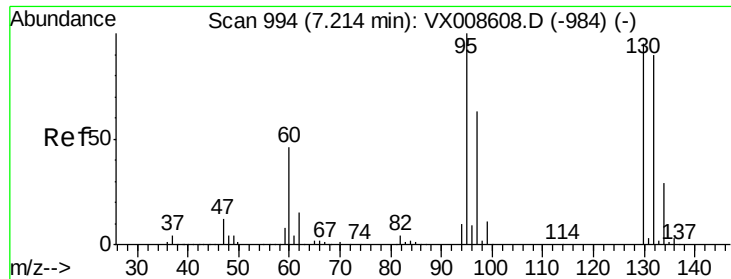
#38
 Carbon Tetrachloride
 Concen: 6.381 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008666.D
 Acq: 05 Apr 2019 03:46

Tgt Ion: 117 Resp: 20620
 Ion Ratio Lower Upper
 117 100
 119 6.7 75.0 112.6#
 121 0.0 24.3 36.5#



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: 2.870 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

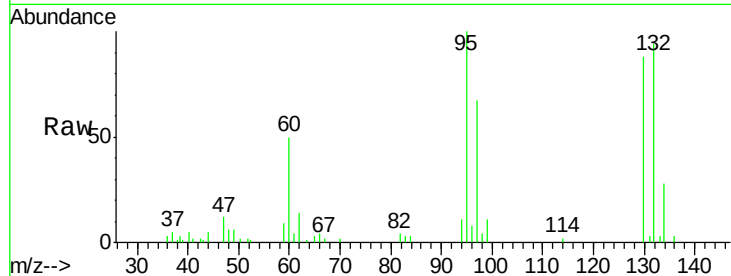
ST006MW184-190403

Tgt Ion:130 Resp: 7774

Ion Ratio Lower Upper

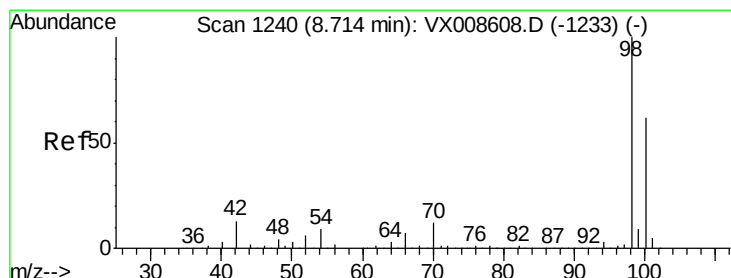
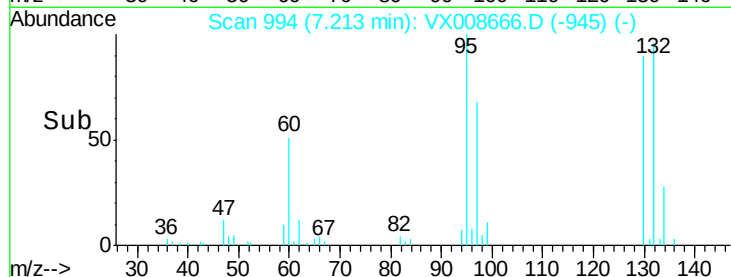
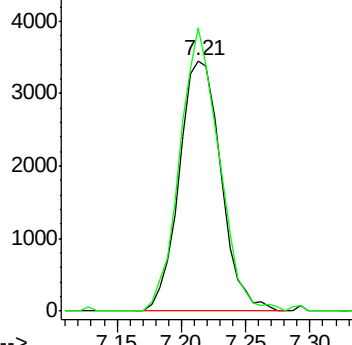
130 100

95 113.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.669 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008666.D

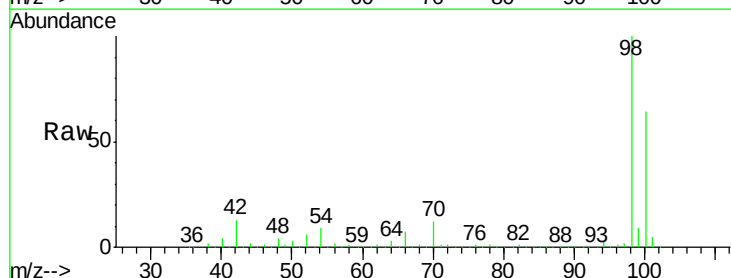
Acq: 05 Apr 2019 03:46

Tgt Ion: 98 Resp: 451623

Ion Ratio Lower Upper

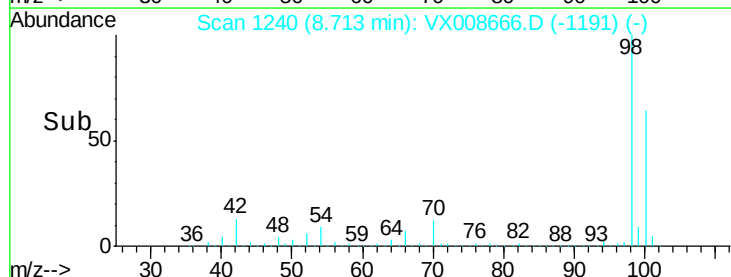
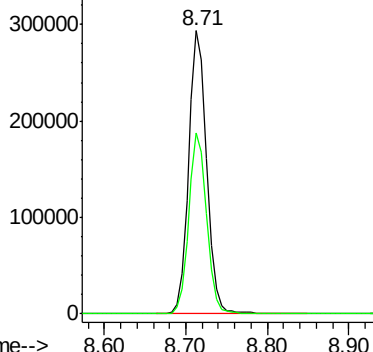
98 100

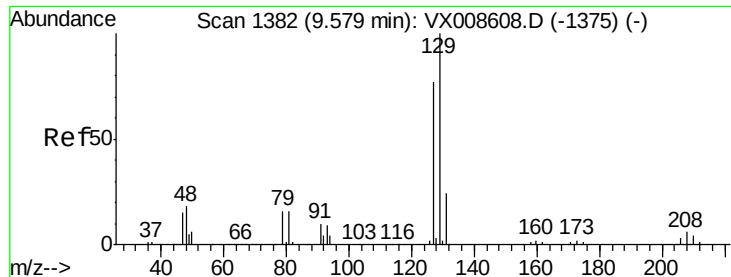
100 63.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.233 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

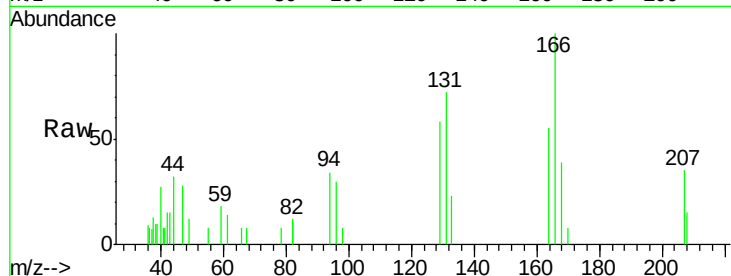
ST006MW184-190403

Tgt Ion:129 Resp: 605

Ion Ratio Lower Upper

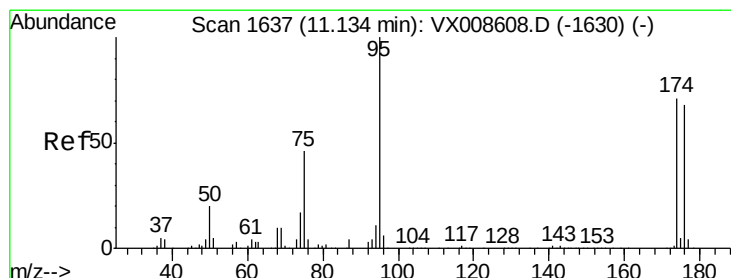
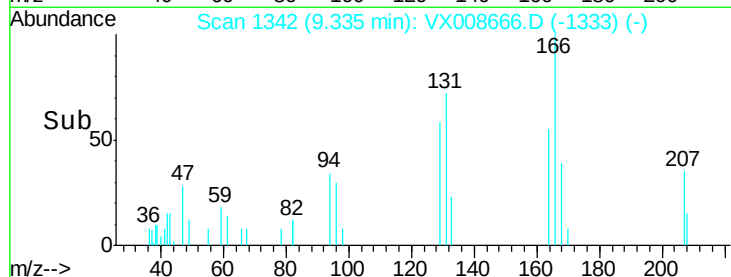
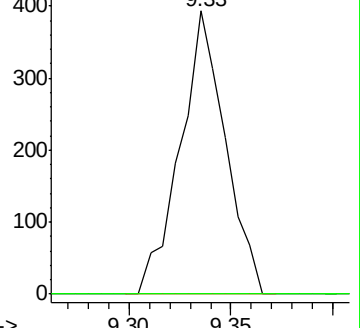
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 47.162 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

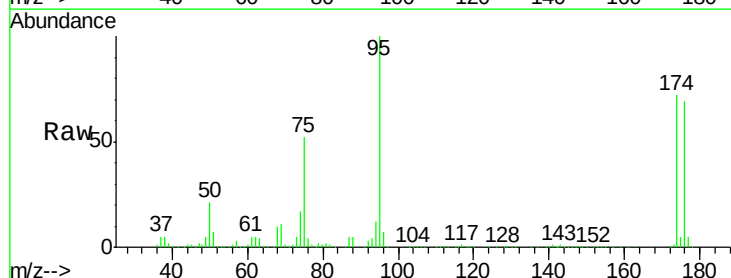
Tgt Ion: 95 Resp: 152069

Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.8

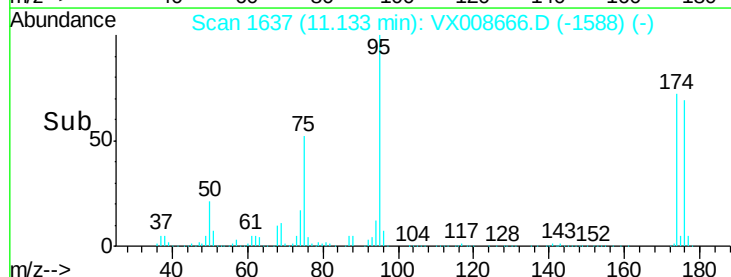
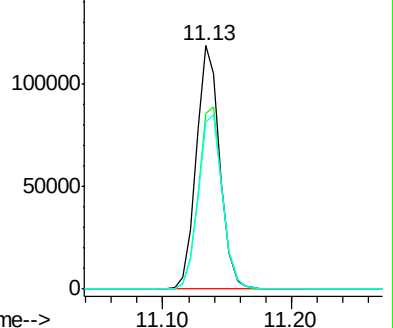
176 74.0 0.0 145.8

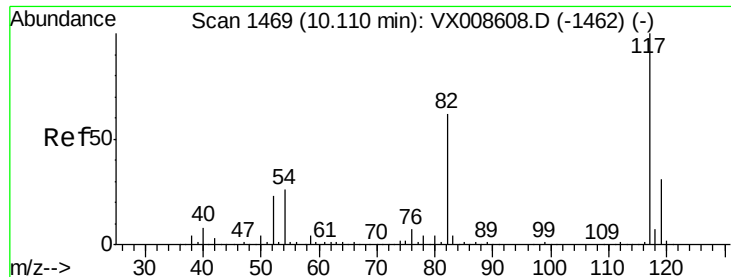


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

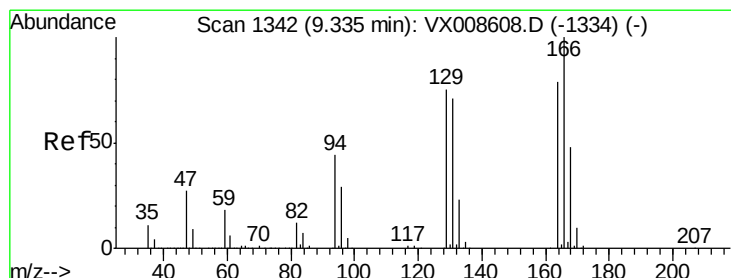
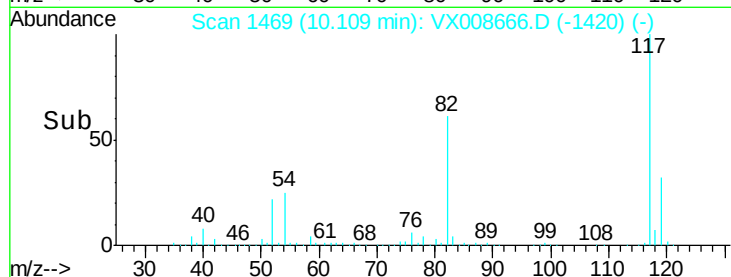
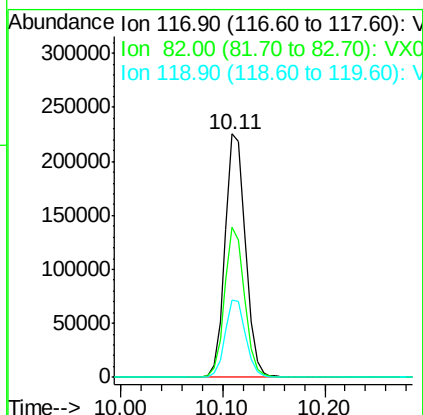
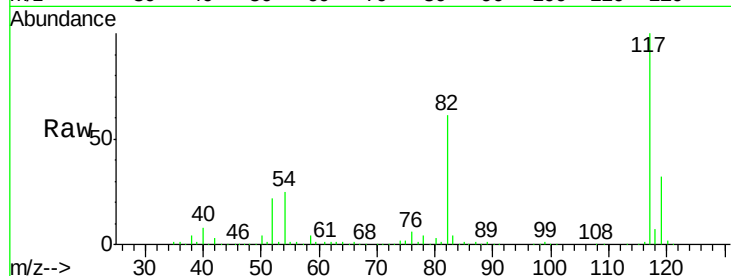




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008666.D
Acq: 05 Apr 2019 03:46

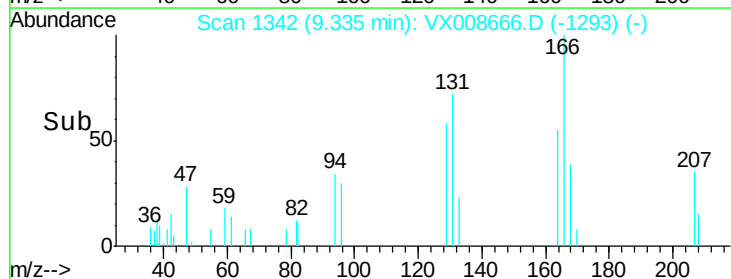
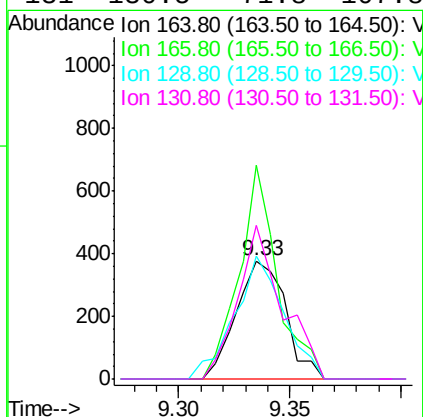
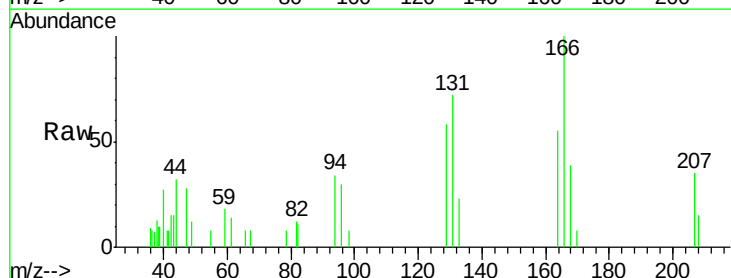
Instrument :
MSVOA_X
ClientSampleId :
ST006MW184-190403

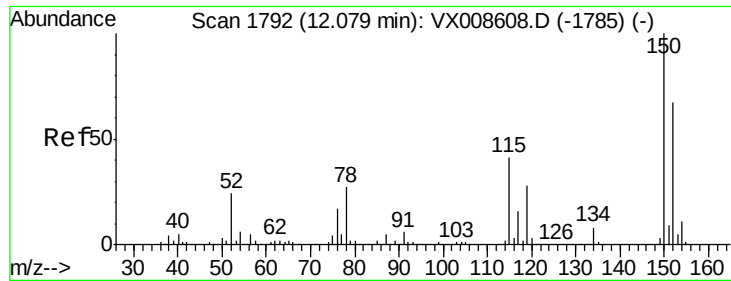
Tgt Ion:117 Resp: 312916
Ion Ratio Lower Upper
117 100
82 61.4 49.6 74.4
119 31.9 25.0 37.4



#64
Tetrachloroethene
Concen: 0.251 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008666.D
Acq: 05 Apr 2019 03:46

Tgt Ion:164 Resp: 582
Ion Ratio Lower Upper
164 100
166 180.9 101.0 151.6#
129 104.2 75.8 113.8
131 130.5 71.8 107.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

ST006MW184-190403

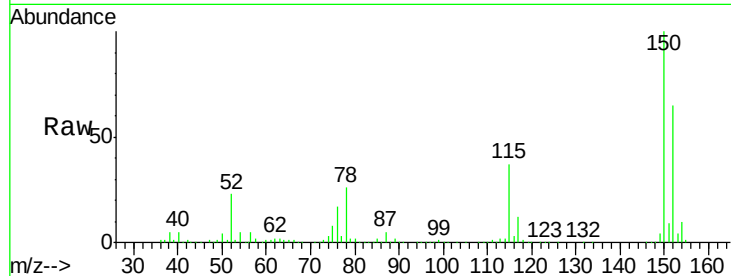
Tgt Ion:152 Resp: 131039

Ion Ratio Lower Upper

152 100

115 60.1 43.5 130.5

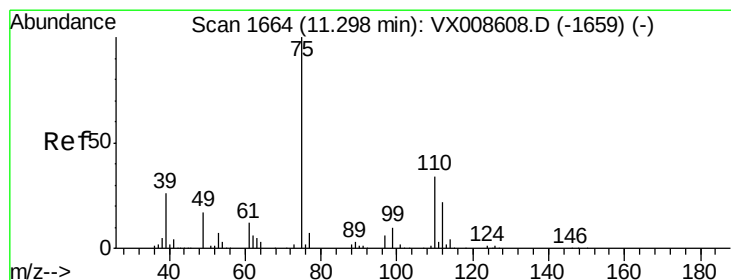
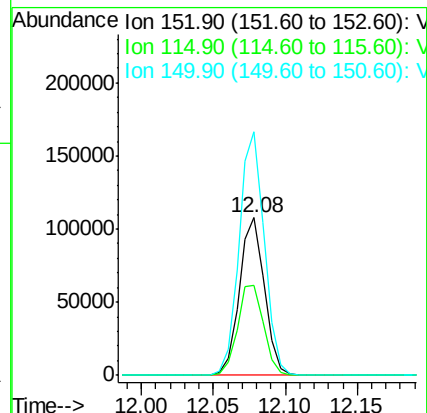
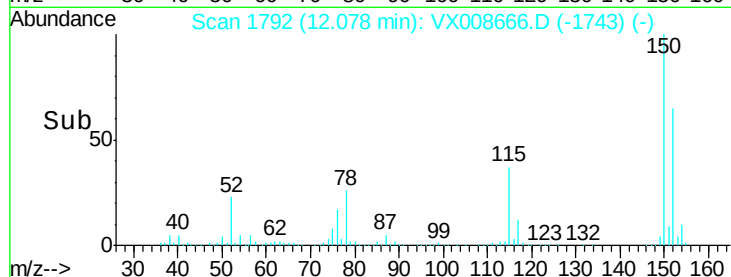
150 155.7 0.0 348.8



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: 21.602 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.17 min

Lab File: VX008666.D

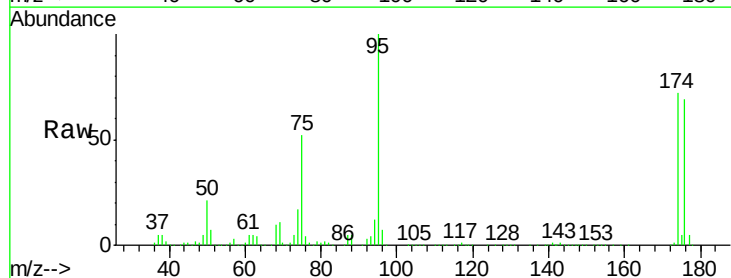
Acq: 05 Apr 2019 03:46

Tgt Ion: 75 Resp: 77763

Ion Ratio Lower Upper

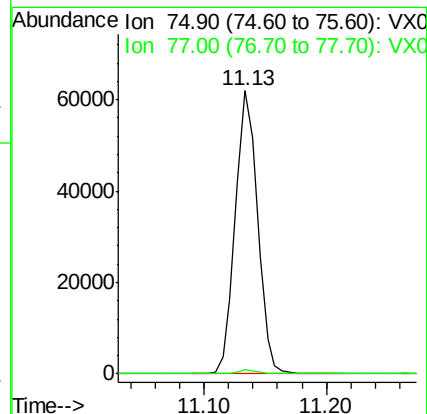
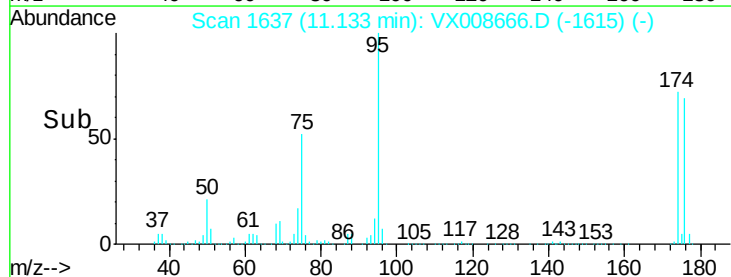
75 100

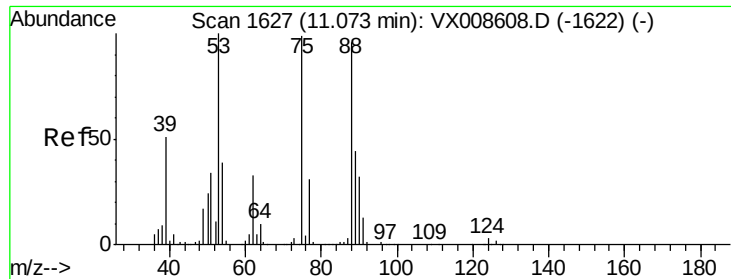
77 1.3 22.3 66.8#



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: 59.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008666.D

Acq: 05 Apr 2019 03:46

Instrument :

MSVOA_X

ClientSampleId :

ST006MW184-190403

Tgt Ion: 75 Resp: 77763

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#

