

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX040419\
 Data File : VX008655.D
 Acq On : 04 Apr 2019 23:30
 Operator : JC/SP
 Sample : K2274-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB02-190402

Quant Time: Apr 05 07:13:03 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	213025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354280	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128667	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	146342	47.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.20%		
35) Dibromofluoromethane	5.50	113	108173	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.52%		
50) Toluene-d8	8.71	98	442404	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.10%		
62) 4-Bromofluorobenzene	11.13	95	148875	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.10%		

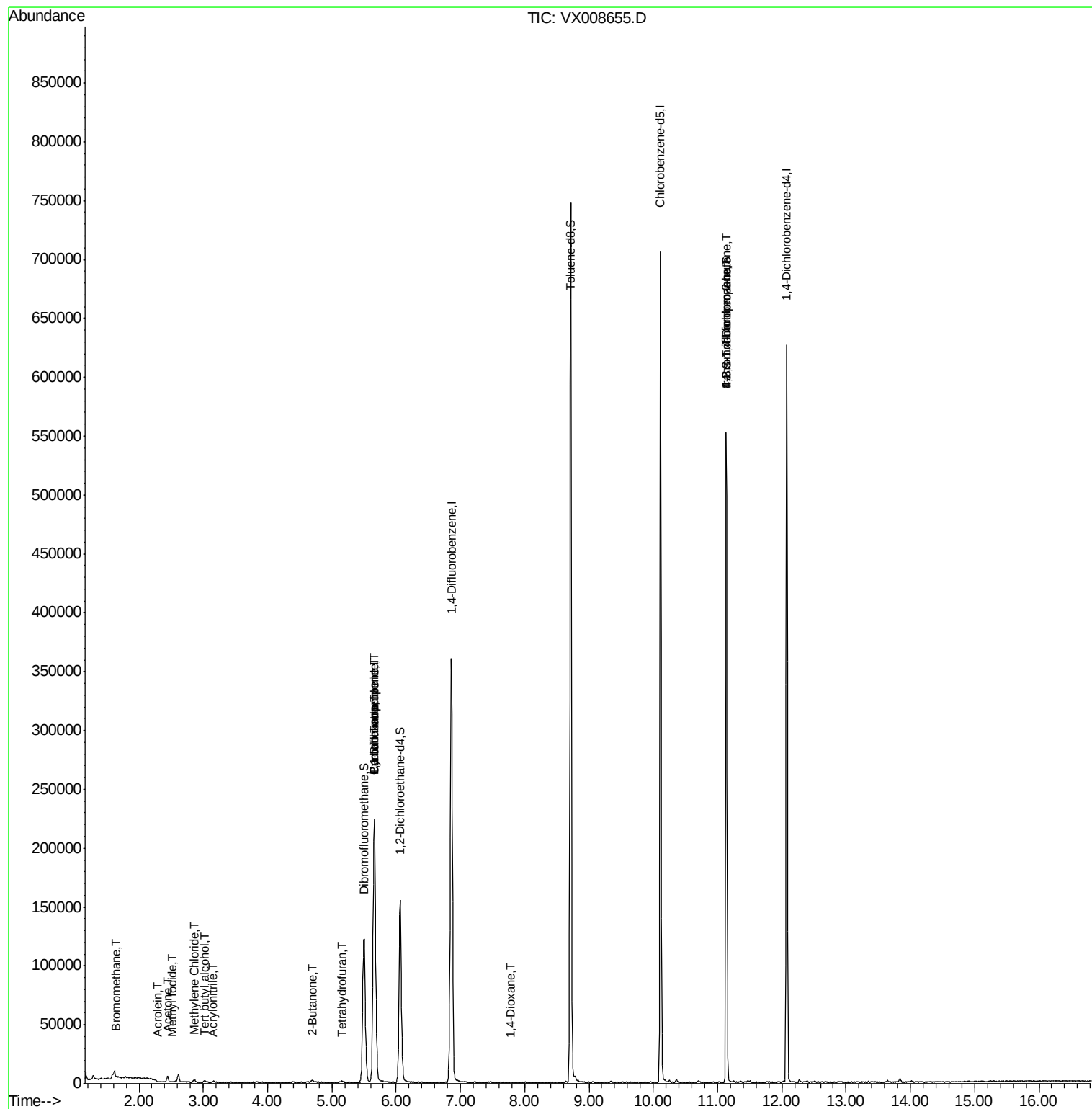
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	580	Below Cal	#	47
5) Bromomethane	1.64	94	758	2.332	ug/l #	70
6) Chloroethane	1.65	64	2305	Below Cal	#	56
10) Methyl Iodide	2.52	142	648	4.280	ug/l #	93
11) Tert butyl alcohol	3.01	59	1251	1.720	ug/l #	83
13) Acrolein	2.29	56	160	0.444	ug/l	86
15) Acrylonitrile	3.15	53	615	0.319	ug/l	97
16) Acetone	2.45	43	5477	3.060	ug/l	98
17) Carbon Disulfide	2.57	76	1780	Below Cal	#	88
20) Methylene Chloride	2.86	84	984	0.328	ug/l	92
25) 2-Butanone	4.68	43	1570	0.555	ug/l	97
28) Bromochloromethane	5.03	49	189	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	1610	0.858	ug/l #	89
31) Cyclohexane	5.67	56	5008	0.933	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17374	4.486	ug/l #	51
38) Carbon Tetrachloride	5.66	117	20694	6.456	ug/l #	17
49) 1,4-Dioxane	7.77	88	19	0.248	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	75568	21.379	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	75568	58.934	ug/l #	9

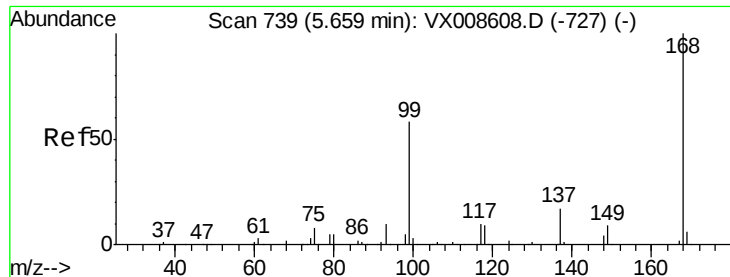
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008655.D
Acq On : 04 Apr 2019 23:30
Operator : JC/SP
Sample : K2274-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB02-190402

Quant Time: Apr 05 07:13:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

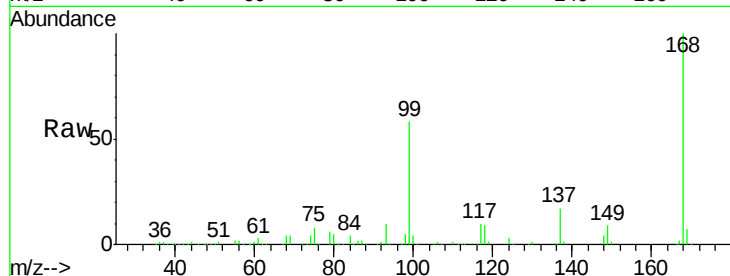
Z3-TB02-190402

Tgt Ion:168 Resp: 213025

Ion Ratio Lower Upper

168 100

99 58.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

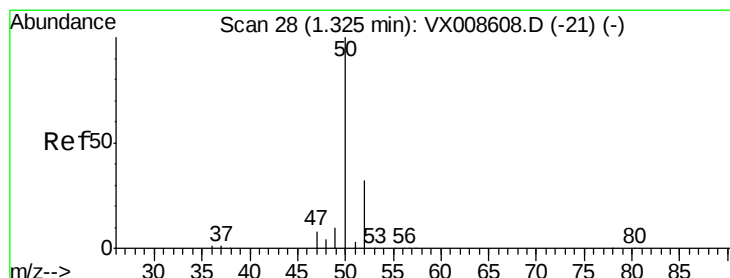
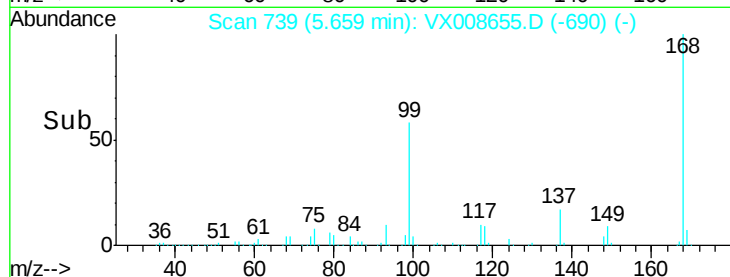
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008655.D

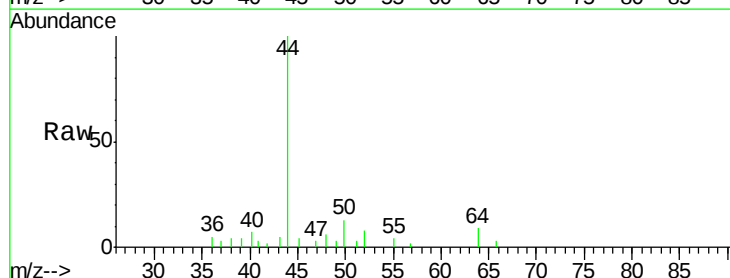
Acq: 04 Apr 2019 23:30

Tgt Ion: 50 Resp: 580

Ion Ratio Lower Upper

50 100

52 62.2 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

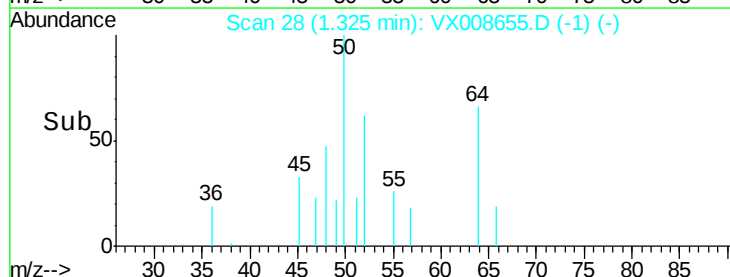
300

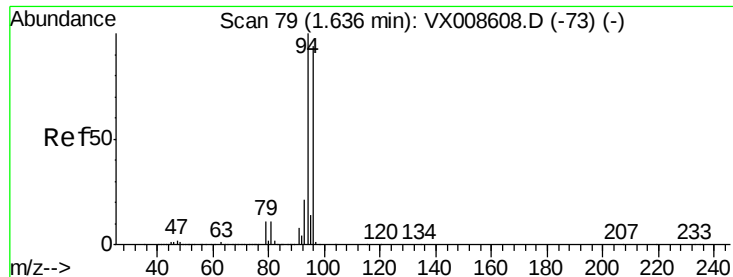
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.332 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

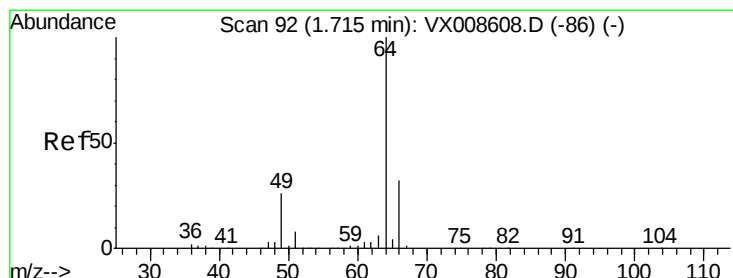
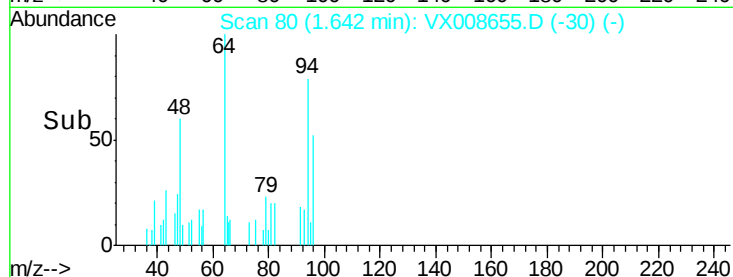
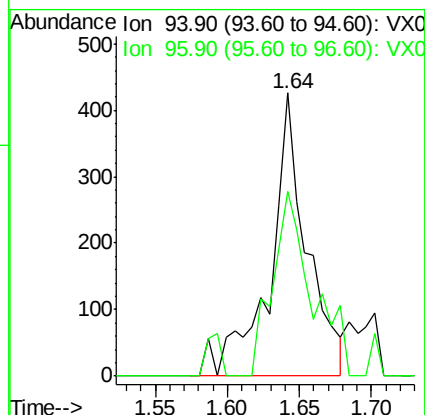
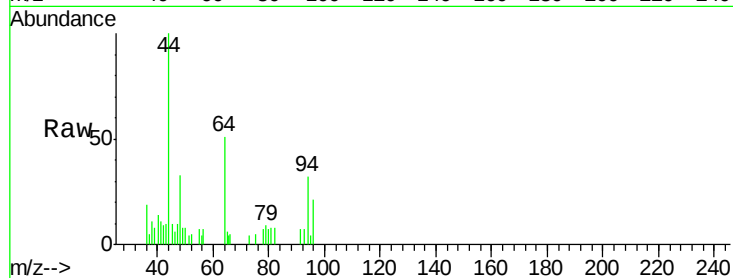
Z3-TB02-190402

Tgt Ion: 94 Resp: 758

Ion Ratio Lower Upper

94 100

96 65.3 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. -0.06 min

Lab File: VX008655.D

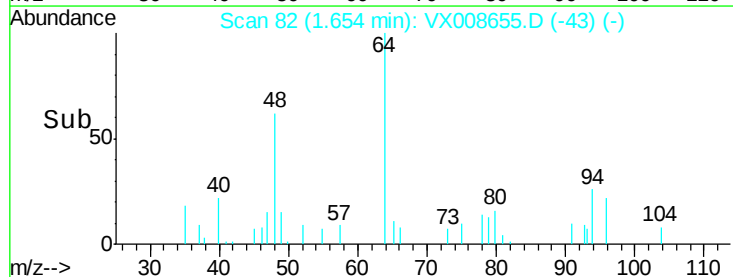
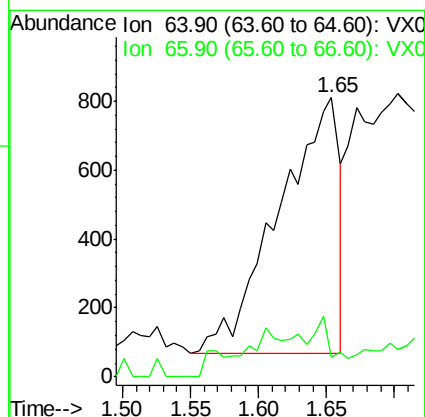
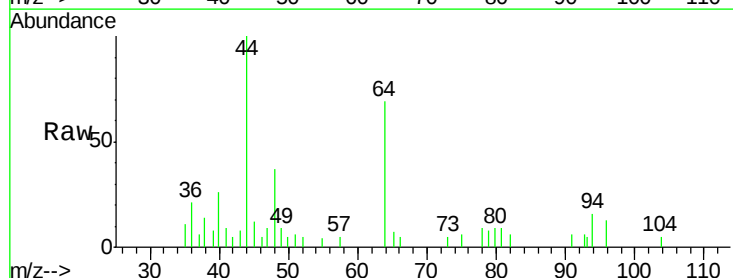
Acq: 04 Apr 2019 23:30

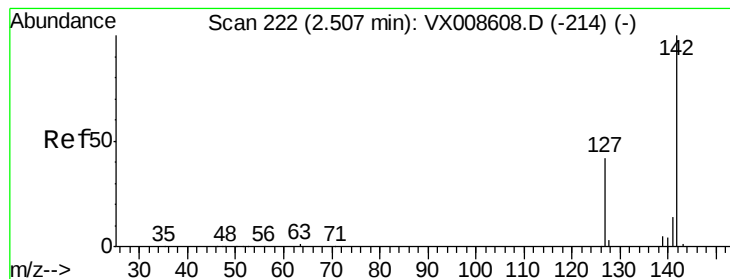
Tgt Ion: 64 Resp: 2305

Ion Ratio Lower Upper

64 100

66 7.5 25.4 38.0#

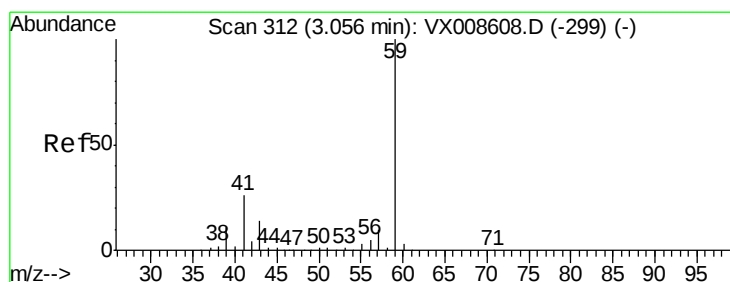
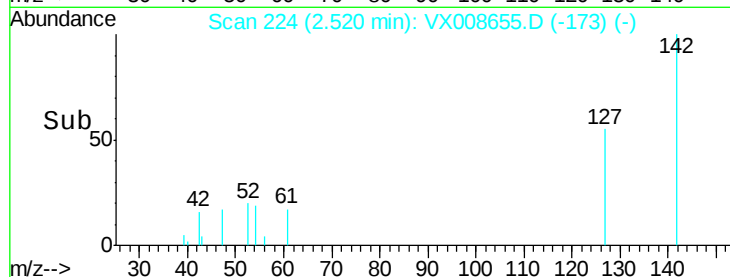
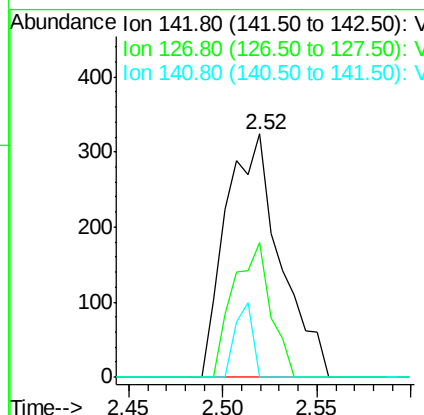
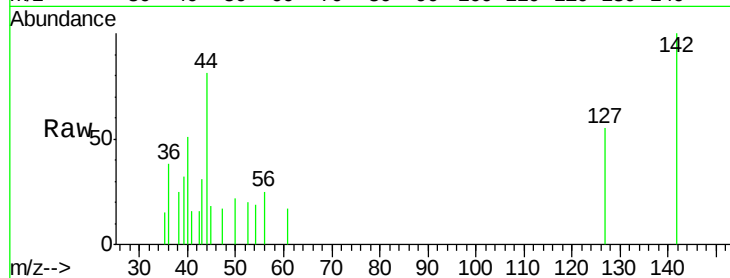




#10
Methyl Iodide
Concen: 4.280 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008655.D
Acq: 04 Apr 2019 23:30

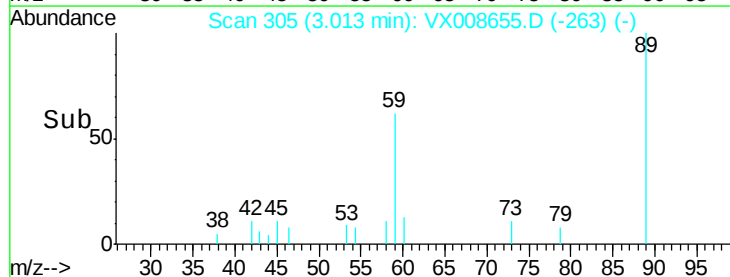
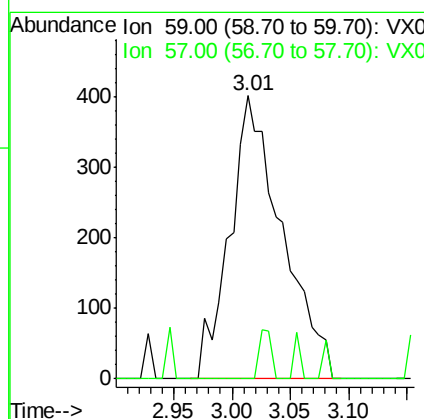
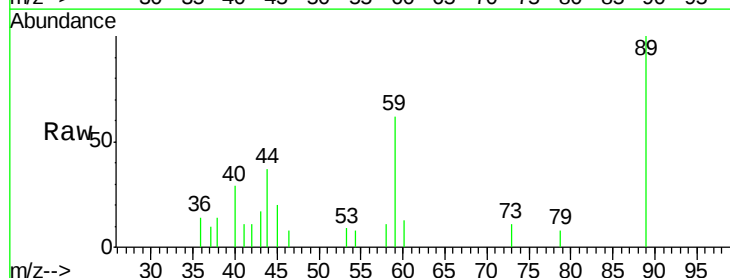
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB02-190402

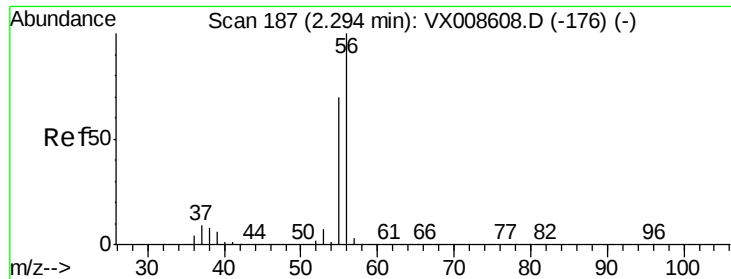
Tgt Ion: 142 Resp: 648
Ion Ratio Lower Upper
142 100
127 38.1 33.0 49.6
141 9.7 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.720 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX008655.D
Acq: 04 Apr 2019 23:30

Tgt Ion: 59 Resp: 1251
Ion Ratio Lower Upper
59 100
57 4.0 8.3 12.5#





#13

Acrolein

Concen: 0.444 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

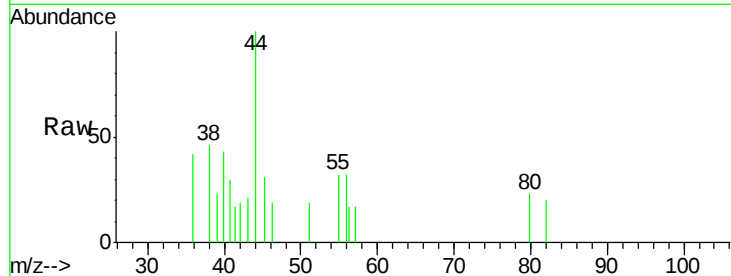
Z3-TB02-190402

Tgt Ion: 56 Resp: 160

Ion Ratio Lower Upper

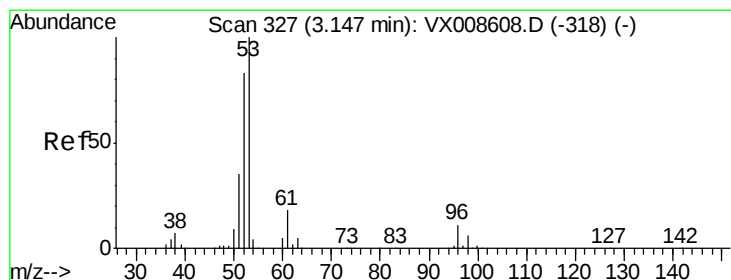
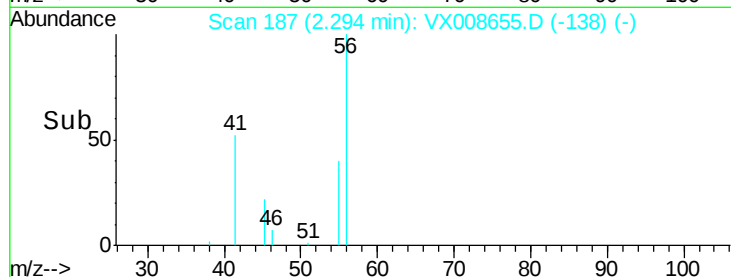
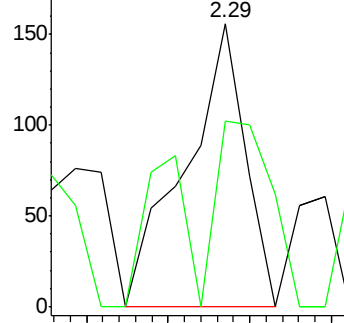
56 100

55 60.6 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.319 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

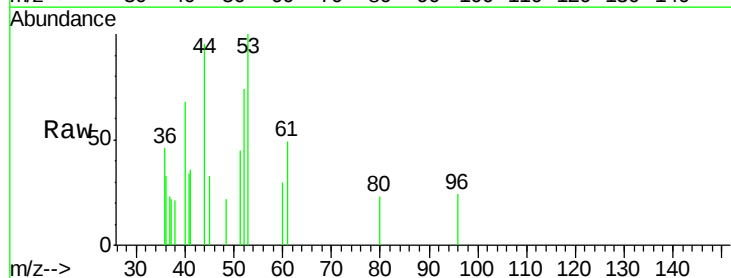
Tgt Ion: 53 Resp: 615

Ion Ratio Lower Upper

53 100

52 82.6 66.5 99.7

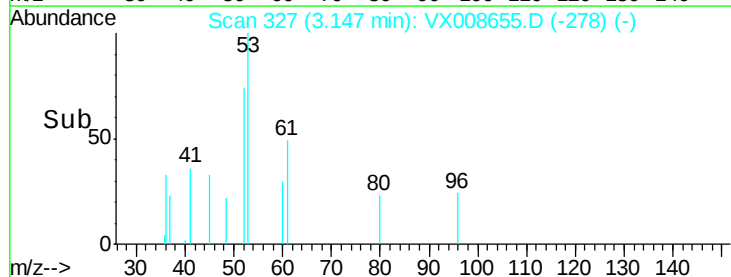
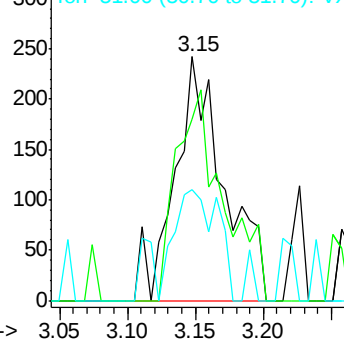
51 40.2 28.6 42.8

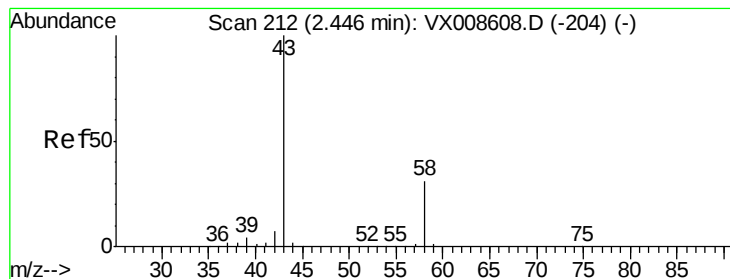


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 3.060 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

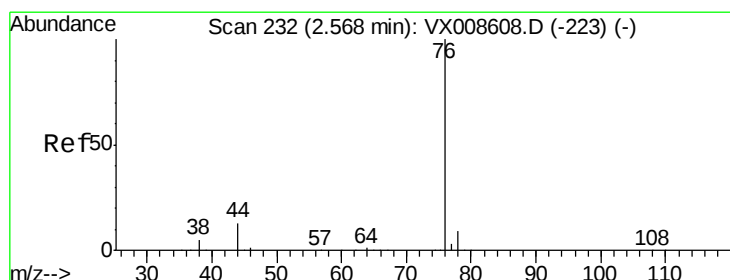
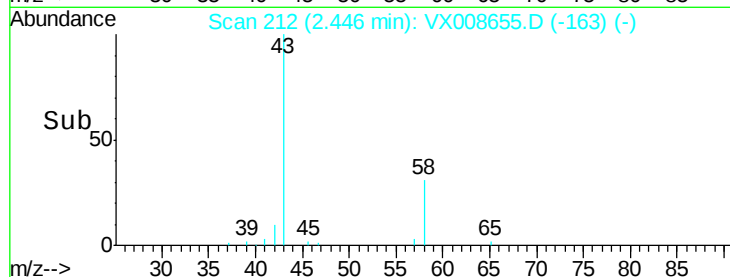
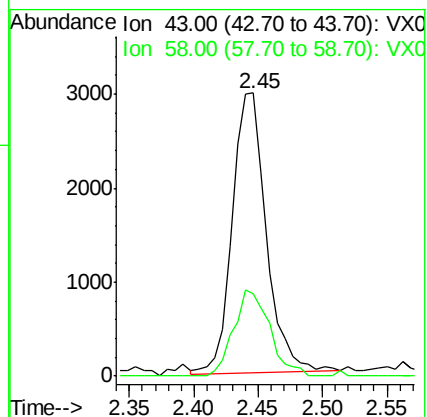
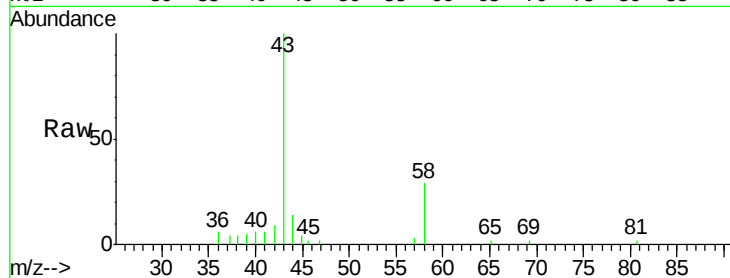
Z3-TB02-190402

Tgt Ion: 43 Resp: 5477

Ion Ratio Lower Upper

43 100

58 30.0 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008655.D

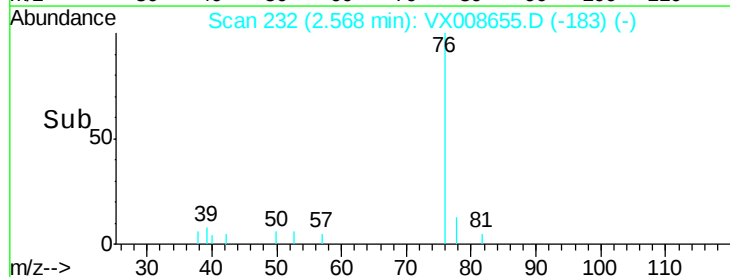
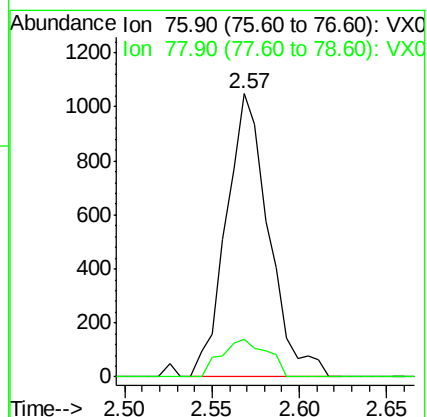
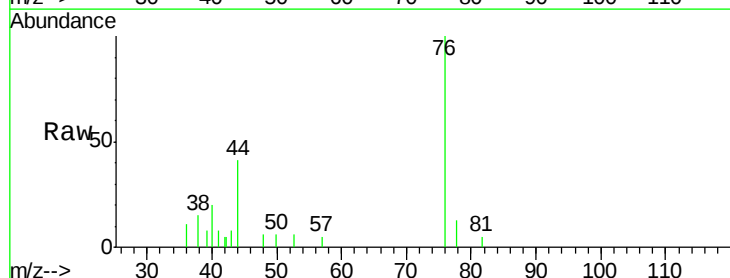
Acq: 04 Apr 2019 23:30

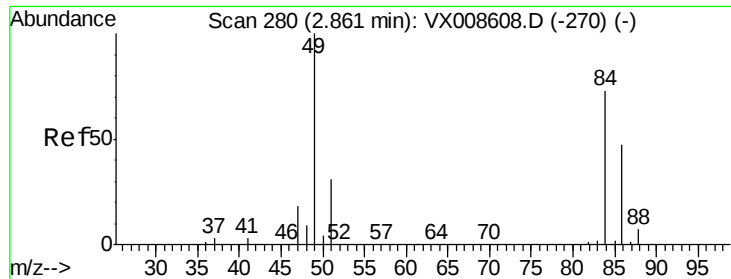
Tgt Ion: 76 Resp: 1780

Ion Ratio Lower Upper

76 100

78 13.4 7.1 10.7#

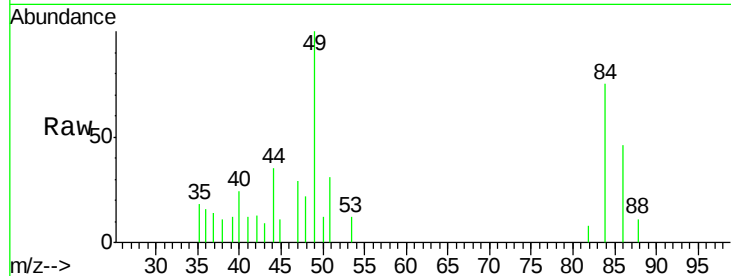




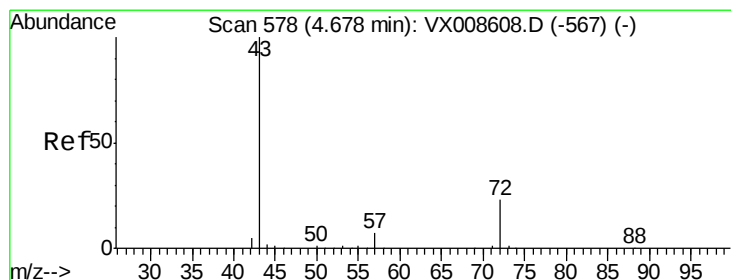
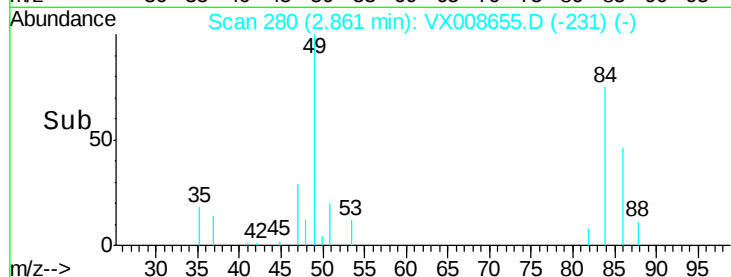
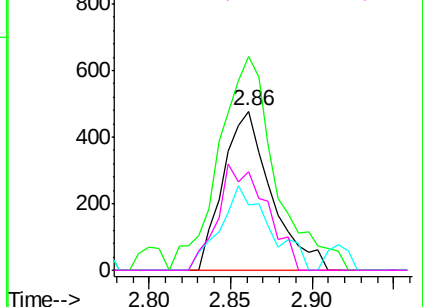
#20
Methylene Chloride
Concen: 0.328 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008655.D
Acq: 04 Apr 2019 23:30

Instrument :
MSVOA_X
ClientSampleId :
Z3-TB02-190402

Tgt Ion: 84 Resp: 984
Ion Ratio Lower Upper
84 100
49 121.7 109.7 164.5
51 41.3 33.6 50.4
86 62.2 51.4 77.2

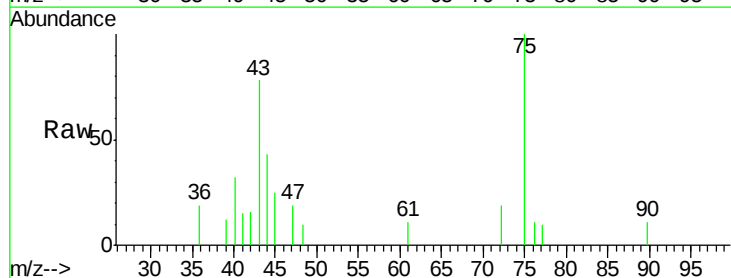


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

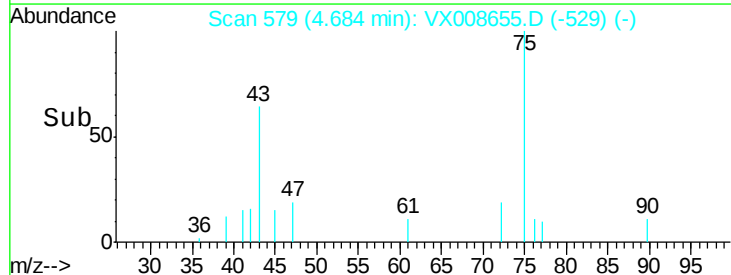
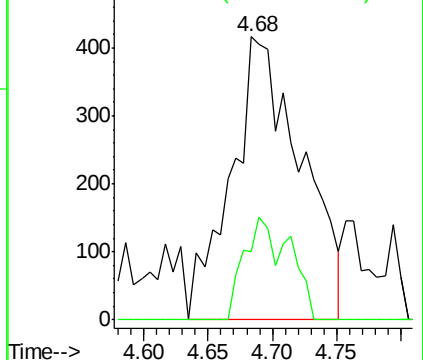


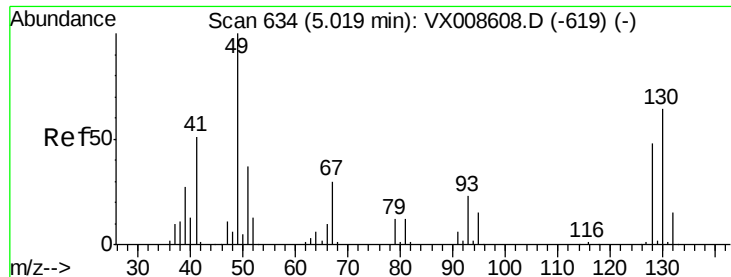
#25
2-Butanone
Concen: 0.555 ug/l
RT: 4.68 min Scan# 579
Delta R.T. 0.01 min
Lab File: VX008655.D
Acq: 04 Apr 2019 23:30

Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
72 24.2 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB02-190402

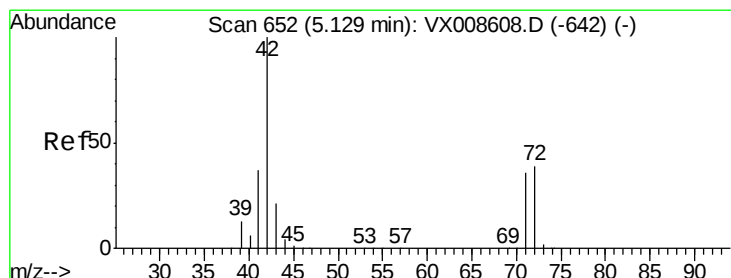
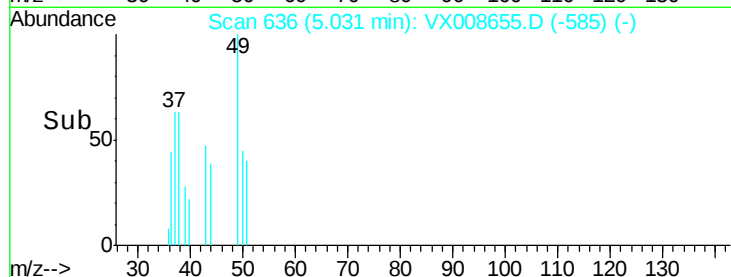
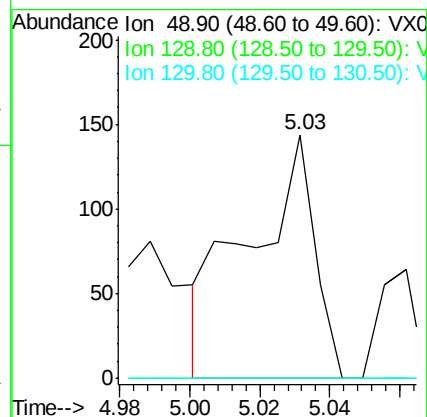
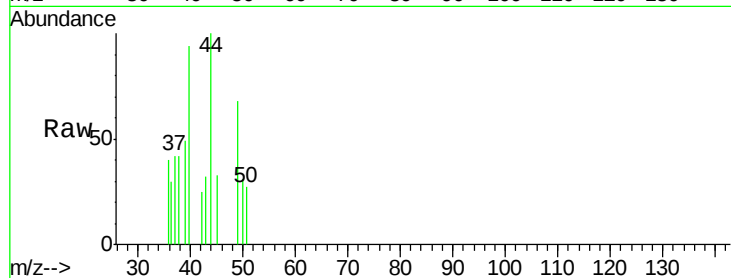
Tgt Ion: 49 Resp: 189

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



#29

Tetrahydrofuran

Concen: 0.858 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

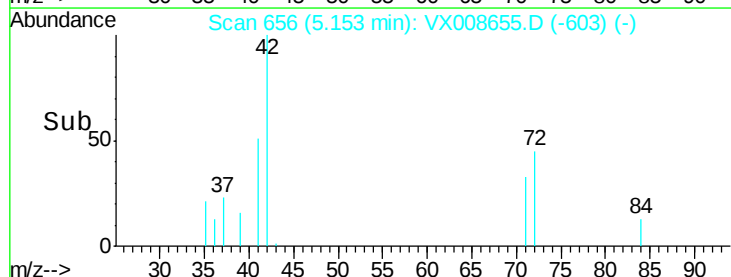
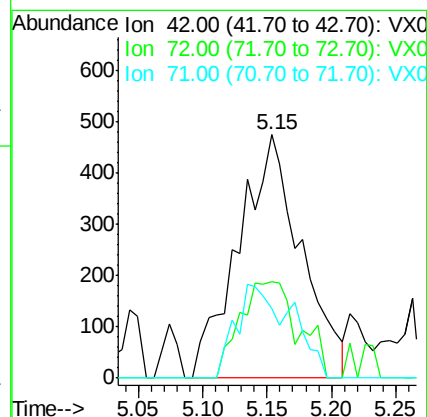
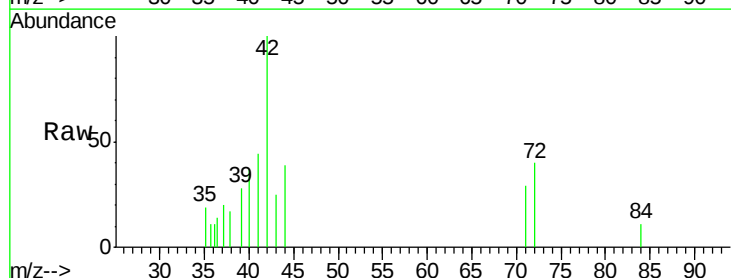
Tgt Ion: 42 Resp: 1610

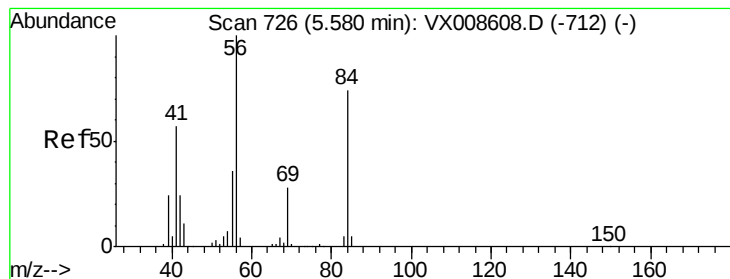
Ion Ratio Lower Upper

42 100

72 37.1 30.5 45.7

71 23.3 28.6 43.0#





#31

Cyclohexane

Concen: 0.933 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB02-190402

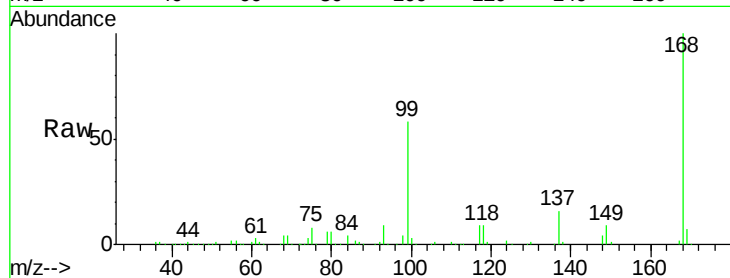
Tgt Ion: 56 Resp: 5008

Ion Ratio Lower Upper

56 100

69 190.0 22.6 33.8#

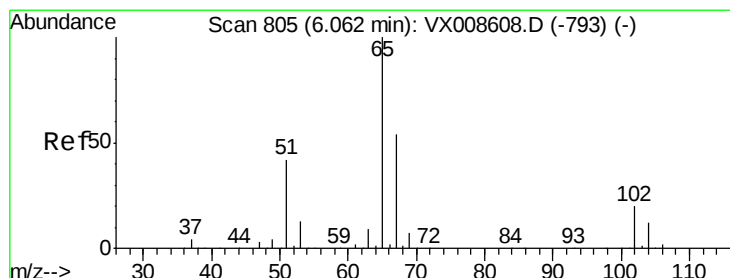
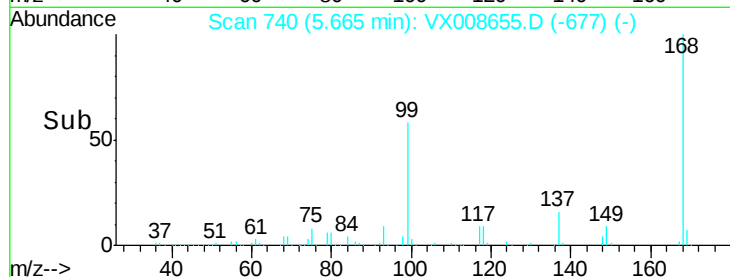
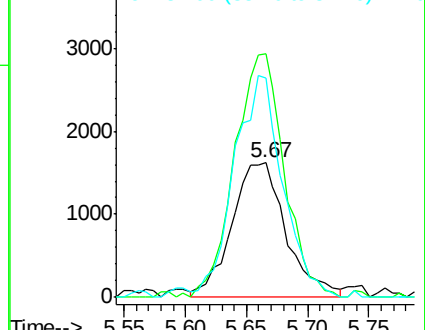
84 171.3 59.3 88.9#



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: 47.099 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008655.D

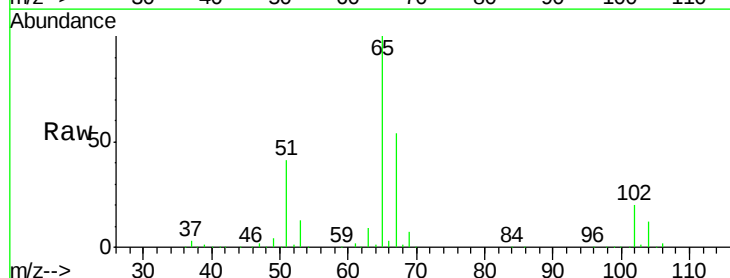
Acq: 04 Apr 2019 23:30

Tgt Ion: 65 Resp: 146342

Ion Ratio Lower Upper

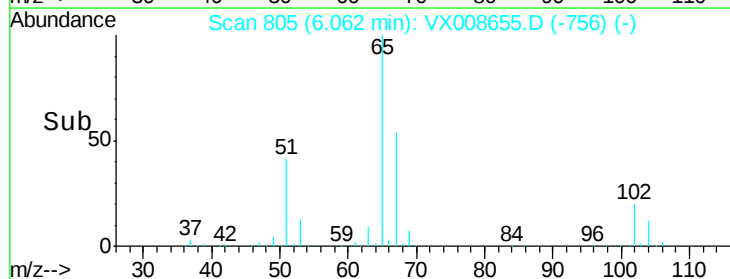
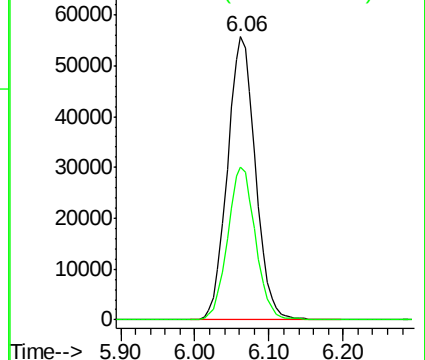
65 100

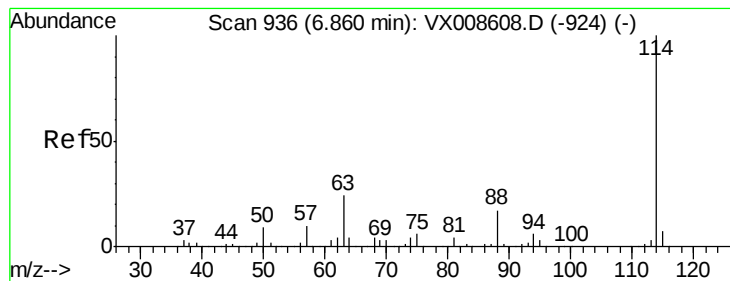
67 53.6 0.0 107.2



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: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB02-190402

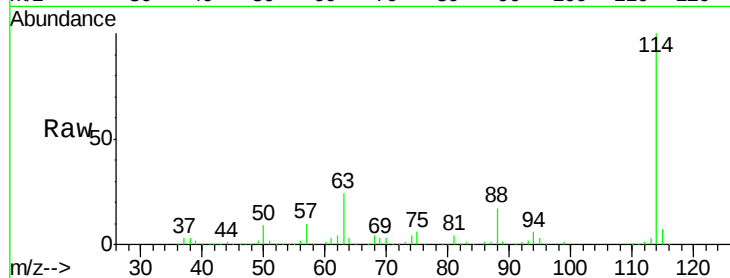
Tgt Ion:114 Resp: 354280

Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.2

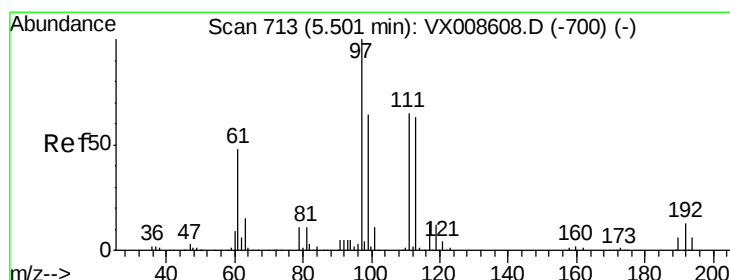
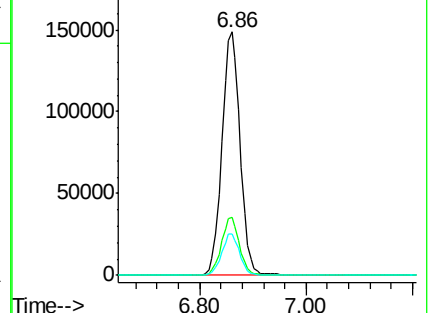
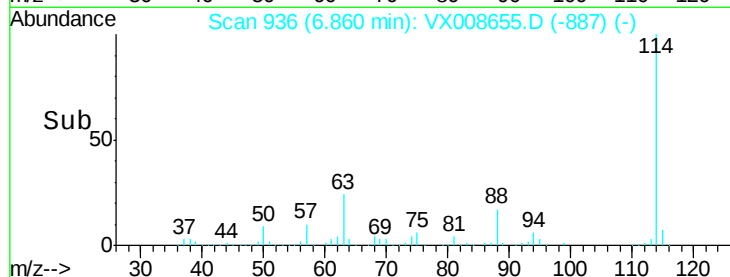
88 17.0 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.756 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

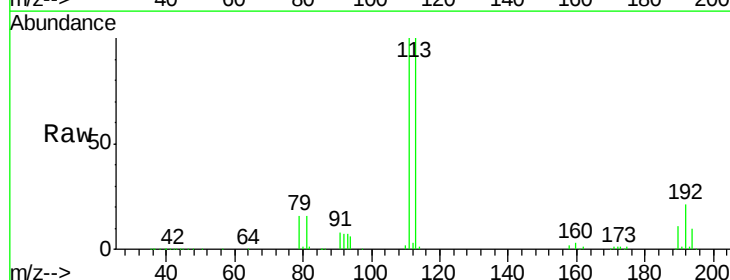
Tgt Ion:113 Resp: 108173

Ion Ratio Lower Upper

113 100

111 102.2 83.4 125.2

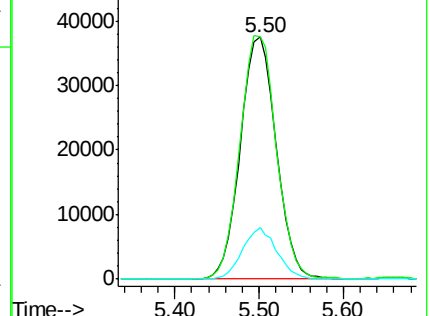
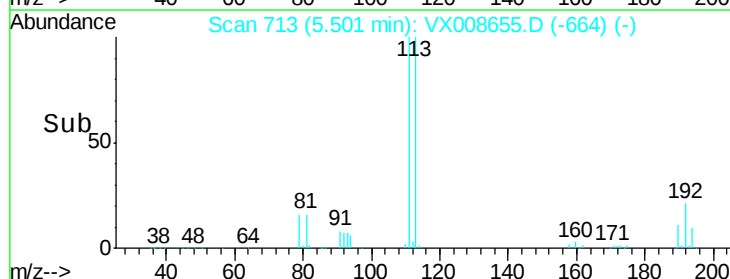
192 20.4 16.1 24.1

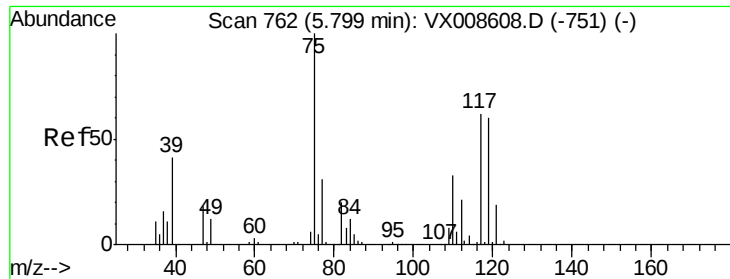


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

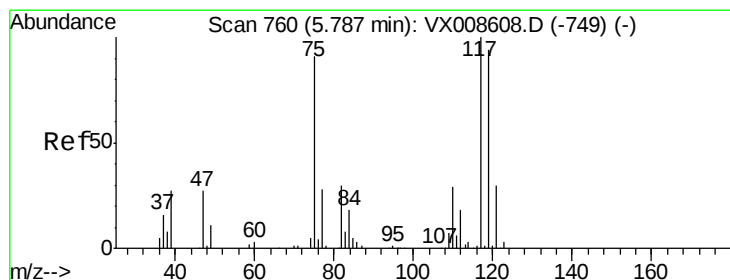
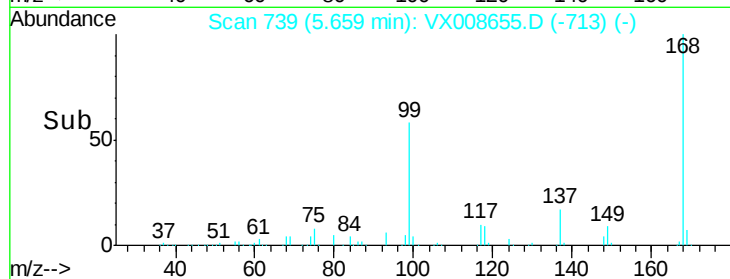
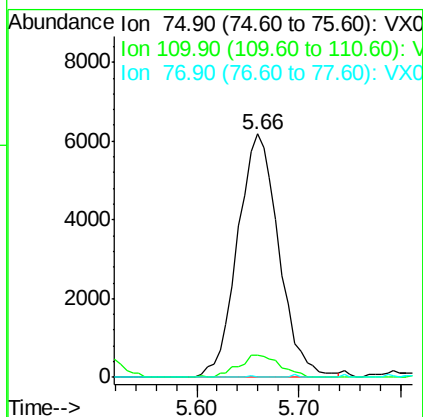
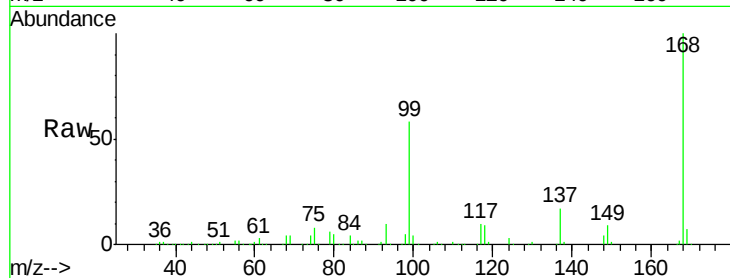




#36
 1,1-Dichloropropene
 Concen: 4.486 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008655.D
 Acq: 04 Apr 2019 23:30

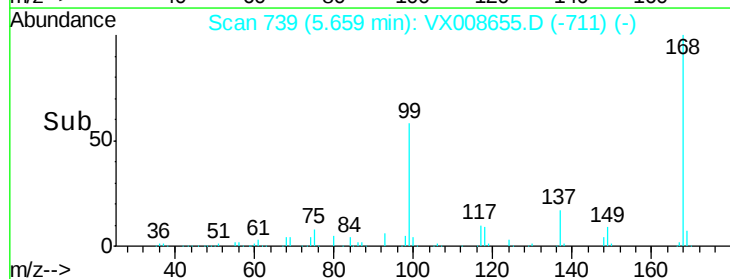
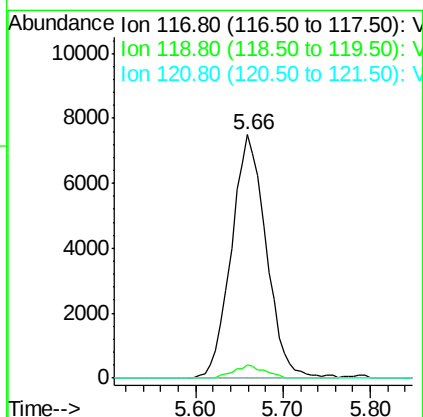
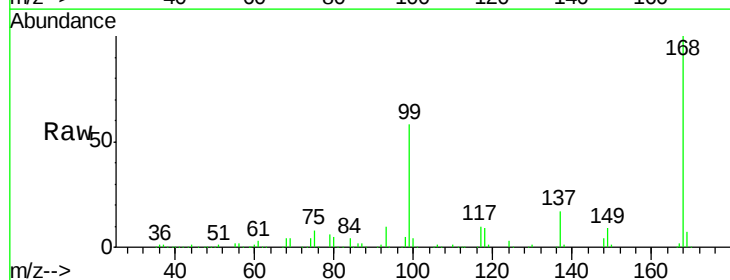
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-TB02-190402

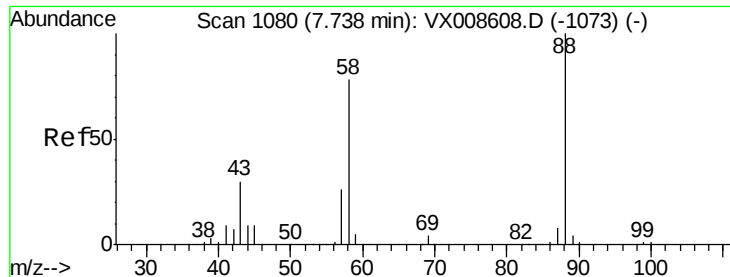
Tgt Ion: 75 Resp: 17374
 Ion Ratio Lower Upper
 75 100
 110 9.1 16.4 49.2#
 77 0.1 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.456 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008655.D
 Acq: 04 Apr 2019 23:30

Tgt Ion: 117 Resp: 20694
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.0 112.6#
 121 0.0 24.3 36.5#

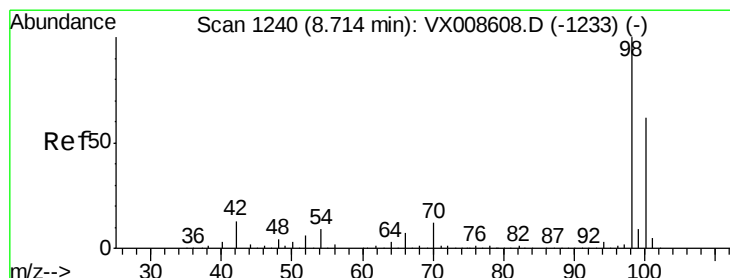
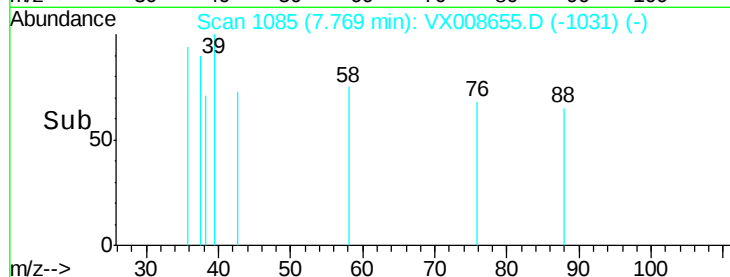
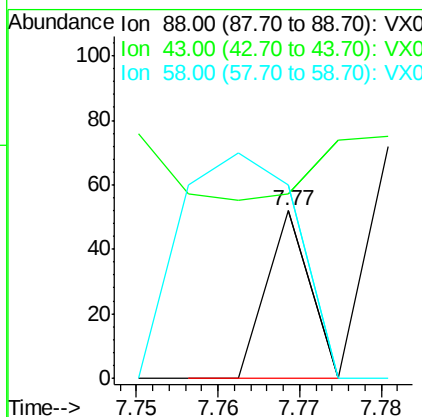
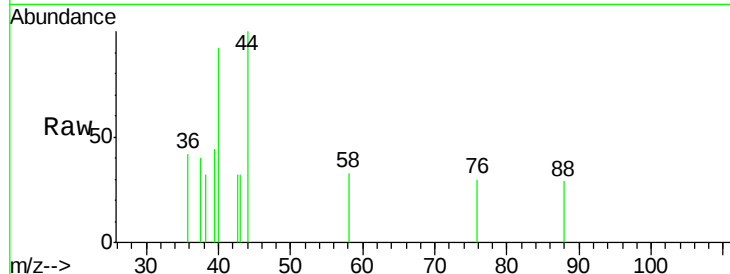




#49
1,4-Dioxane
Concen: 0.248 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.03 min
Lab File: VX008655.D
Acq: 04 Apr 2019 23:30

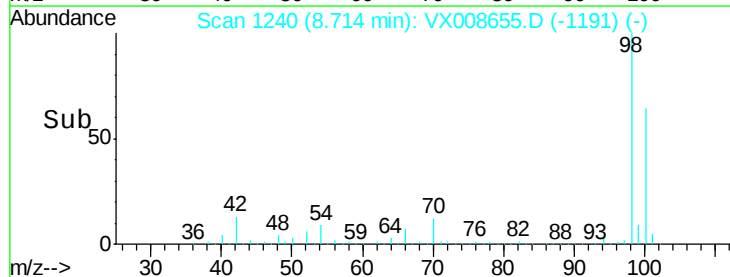
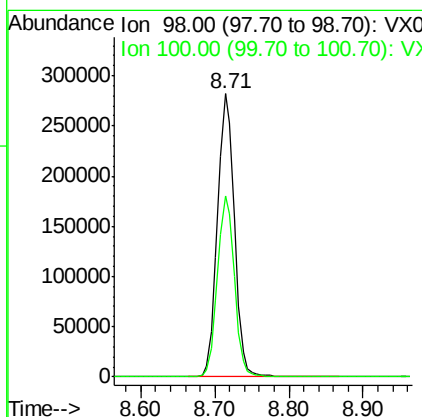
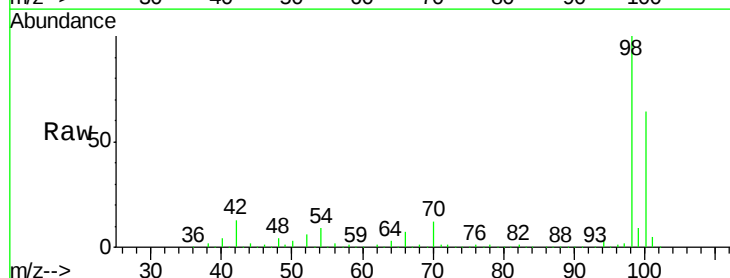
Instrument :
MSVOA_X
ClientSampleId :
Z3-TB02-190402

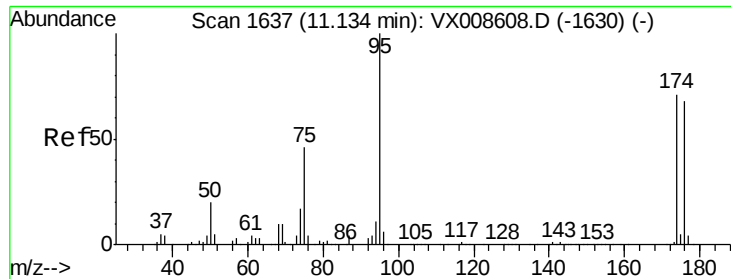
Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 28.6 43.0#
58 368.4 62.2 93.2#



#50
Toluene-d8
Concen: 49.052 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008655.D
Acq: 04 Apr 2019 23:30

Tgt Ion: 98 Resp: 442404
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 46.548 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB02-190402

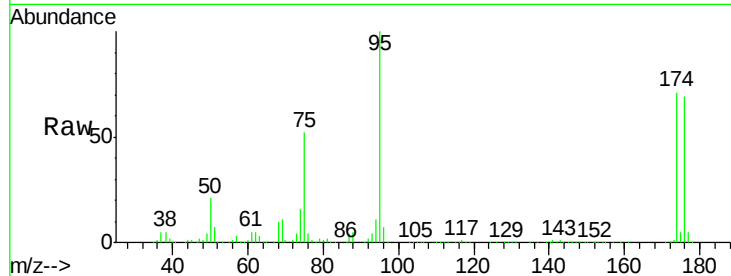
Tgt Ion: 95 Resp: 148875

Ion Ratio Lower Upper

95 100

174 76.1 0.0 151.8

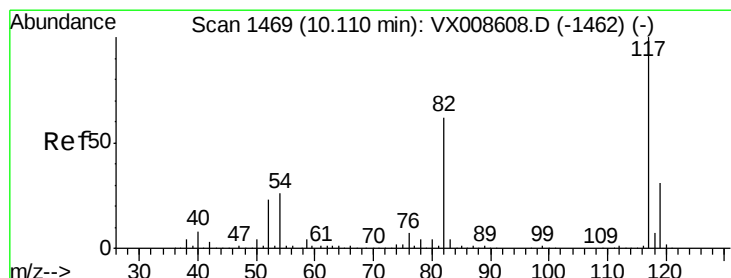
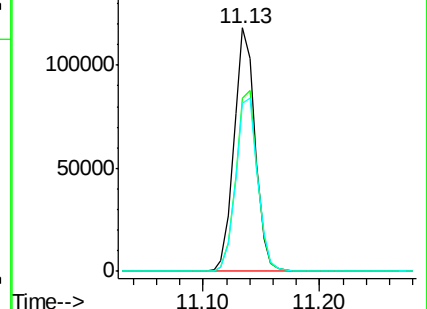
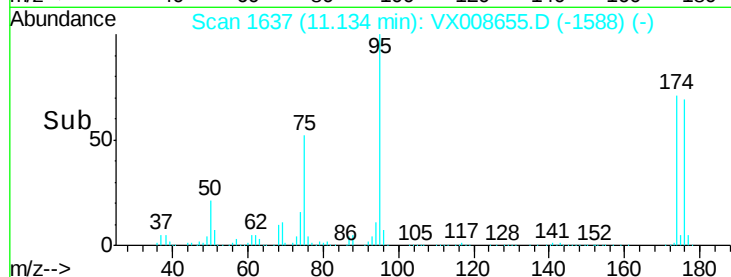
176 74.1 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

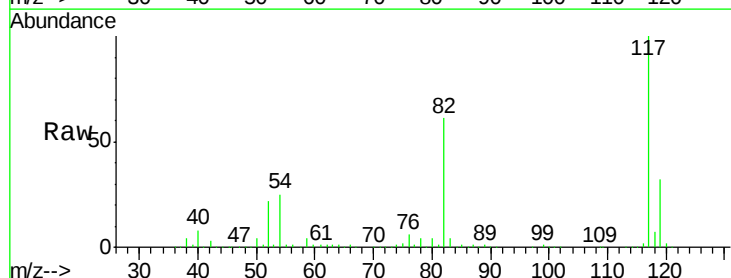
Tgt Ion: 117 Resp: 305790

Ion Ratio Lower Upper

117 100

82 61.1 49.6 74.4

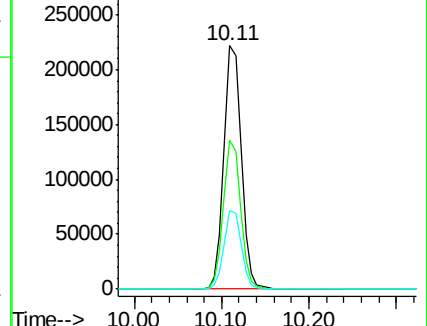
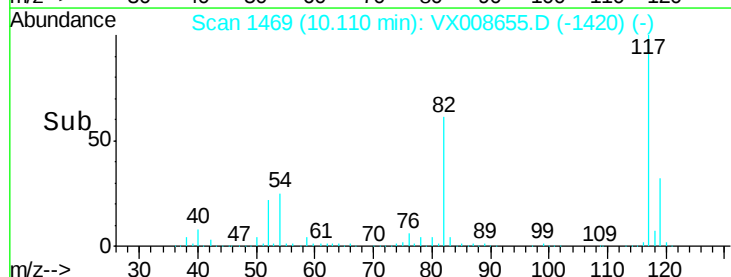
119 32.3 25.0 37.4

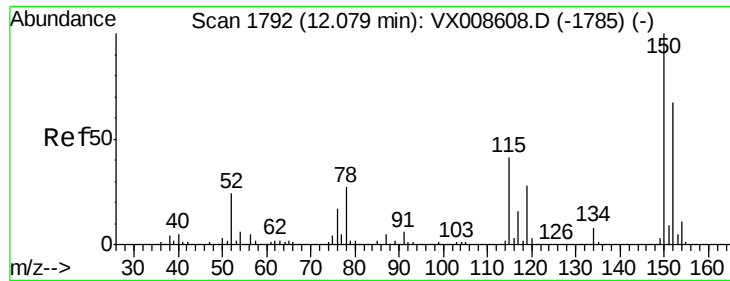


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB02-190402

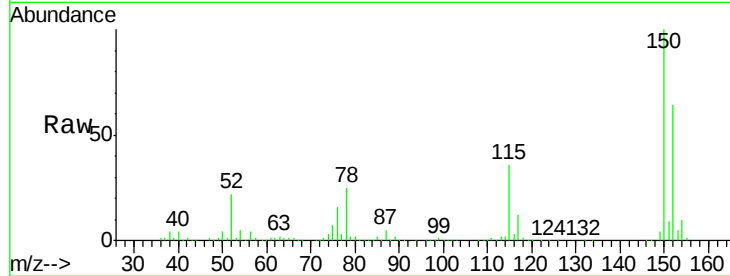
Tgt Ion:152 Resp: 128667

Ion Ratio Lower Upper

152 100

115 60.1 43.5 130.5

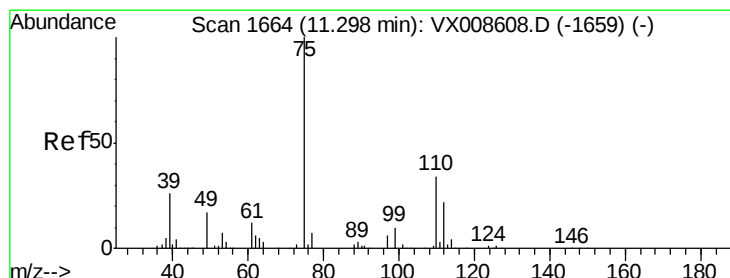
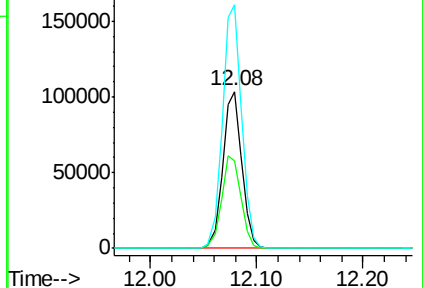
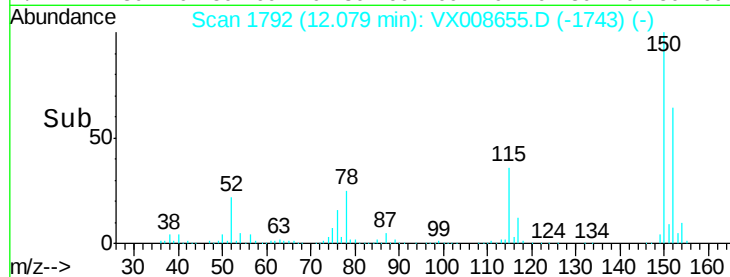
150 157.3 0.0 348.8



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: 21.379 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008655.D

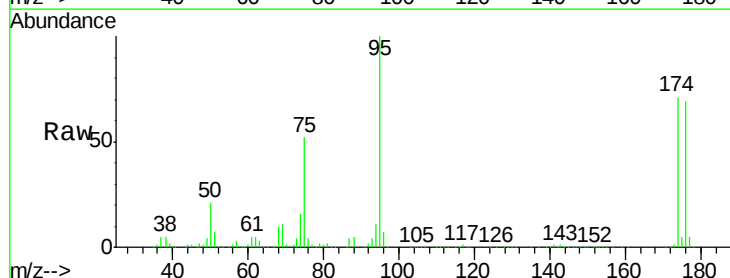
Acq: 04 Apr 2019 23:30

Tgt Ion: 75 Resp: 75568

Ion Ratio Lower Upper

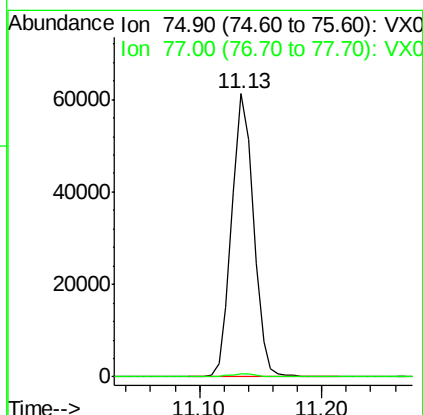
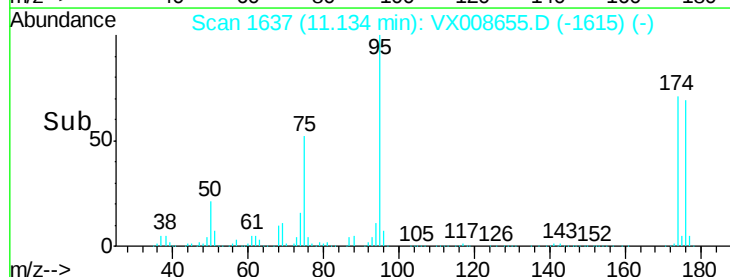
75 100

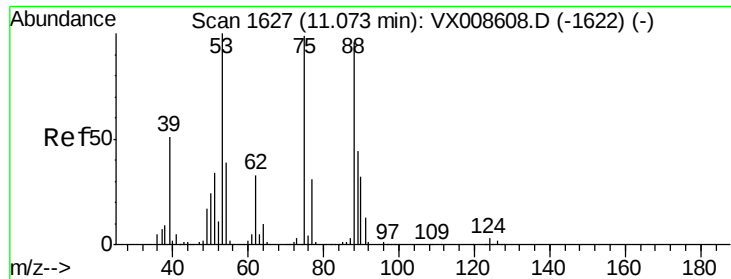
77 1.2 22.3 66.8#



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: 58.934 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008655.D

Acq: 04 Apr 2019 23:30

Instrument :

MSVOA_X

ClientSampleId :

Z3-TB02-190402

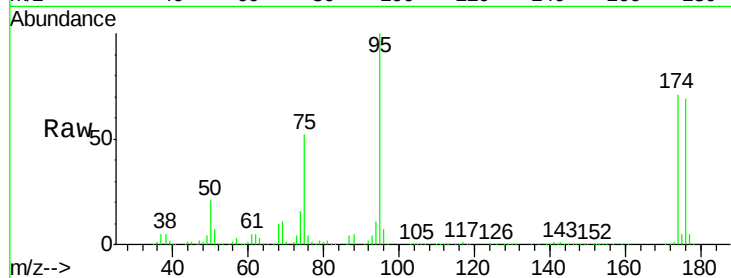
Tgt Ion: 75 Resp: 75568

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

