

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
 Data File : VX008652.D
 Acq On : 04 Apr 2019 22:20
 Operator : JC/SP
 Sample : VX0404WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBL02

Quant Time: Apr 05 07:11:52 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	210503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350013	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129940	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	144021	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
35) Dibromofluoromethane	5.50	113	107810	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	8.71	98	442381	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	149182	47.21	ug/l	0.00
Spiked Amount			Recovery	=	94.42%	

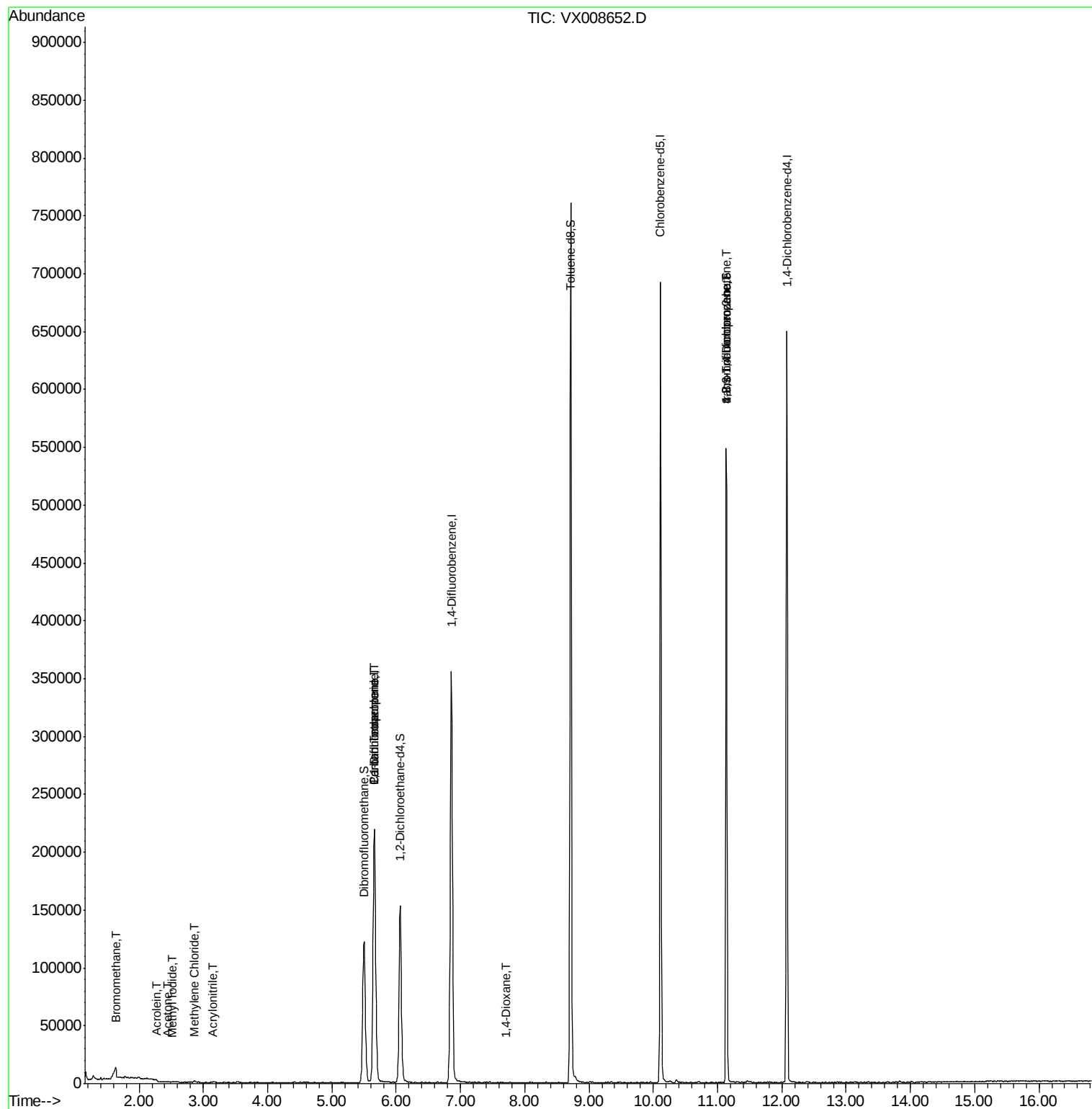
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	392	Below Cal		100
5) Bromomethane	1.64	94	500	2.183 ug/l		96
6) Chloroethane	1.70	64	339	Below Cal	#	55
10) Methyl Iodide	2.52	142	524	4.230 ug/l	#	87
13) Acrolein	2.28	56	79	0.222 ug/l	#	13
15) Acrylonitrile	3.15	53	406	0.213 ug/l		95
16) Acetone	2.43	43	552	0.312 ug/l	#	79
17) Carbon Disulfide	2.57	76	1177	Below Cal	#	87
20) Methylene Chloride	2.85	84	594	0.201 ug/l	#	88
28) Bromochloromethane	5.02	49	91	Below Cal	#	22
36) 1,1-Dichloropropene	5.66	75	17079	4.464 ug/l	#	51
38) Carbon Tetrachloride	5.66	117	20528	6.483 ug/l	#	16
49) 1,4-Dioxane	7.71	88	23	0.303 ug/l	#	1
76) 1,2,3-Trichloropropane	11.13	75	76120	21.325 ug/l	#	34
81) trans-1,4-Dichloro-2-buten	11.13	75	76120	58.782 ug/l	#	9

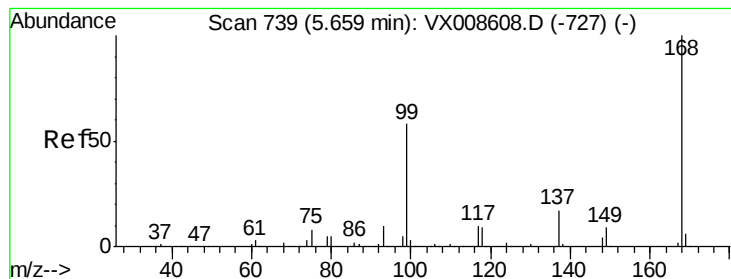
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
VX0404WBL02

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QLast Update : Thu Apr 04 04:47:41 2019
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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: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

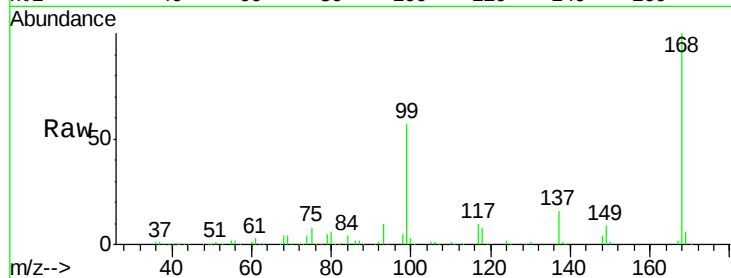
VX0404WBL02

Tgt Ion:168 Resp: 210503

Ion Ratio Lower Upper

168 100

99 56.8 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

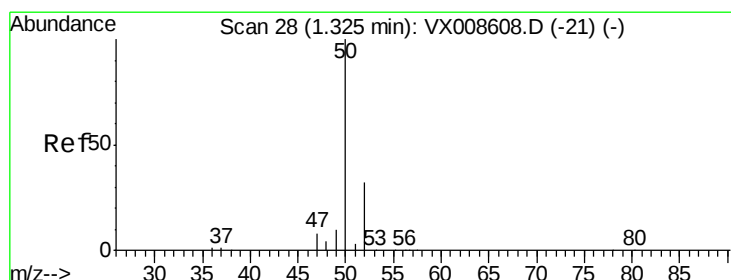
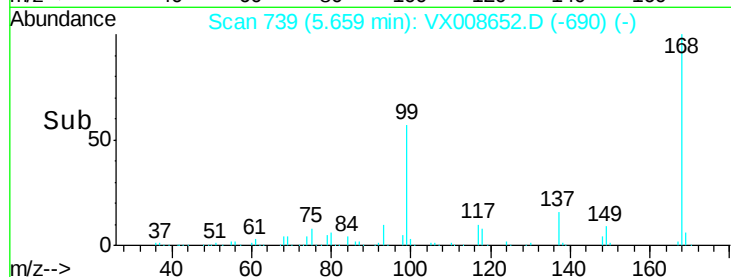
40000

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: VX008652.D

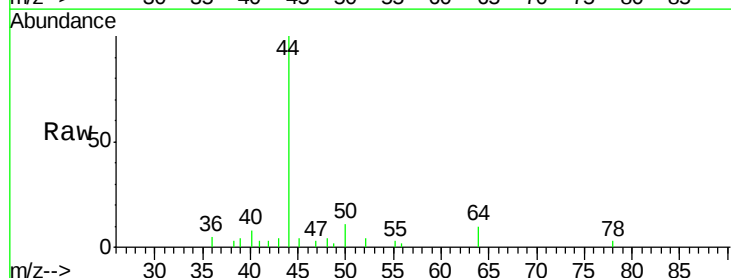
Acq: 04 Apr 2019 22:20

Tgt Ion: 50 Resp: 392

Ion Ratio Lower Upper

50 100

52 32.4 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

250

200

150

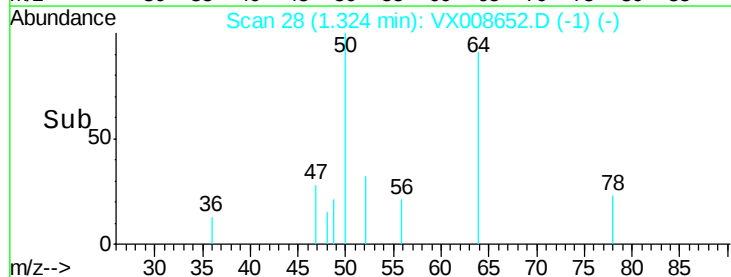
100

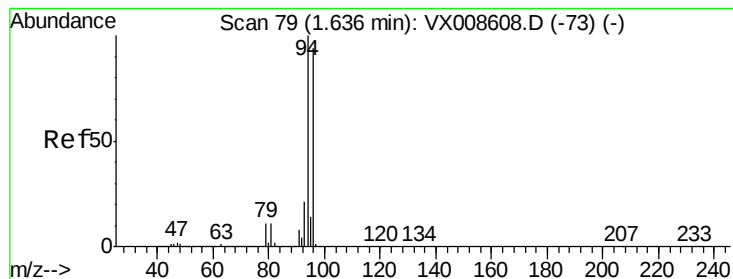
50

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 2.183 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

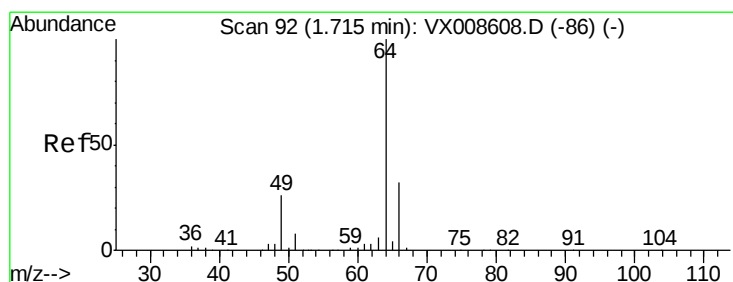
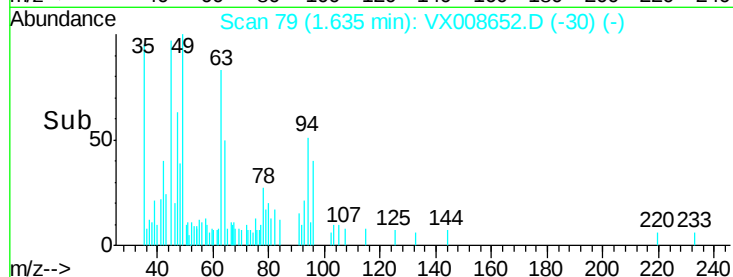
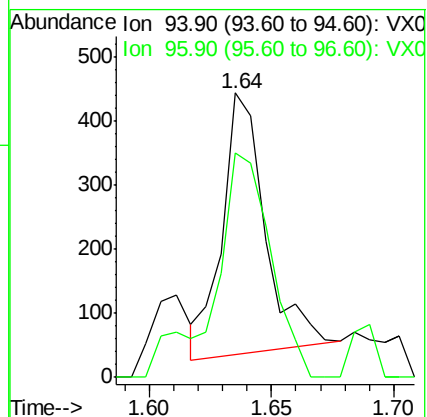
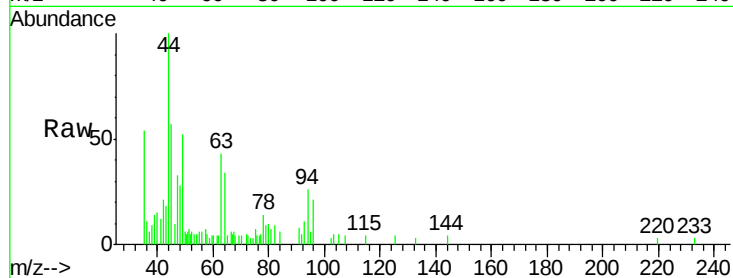
VX0404WBL02

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

94 100

96 90.2 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008652.D

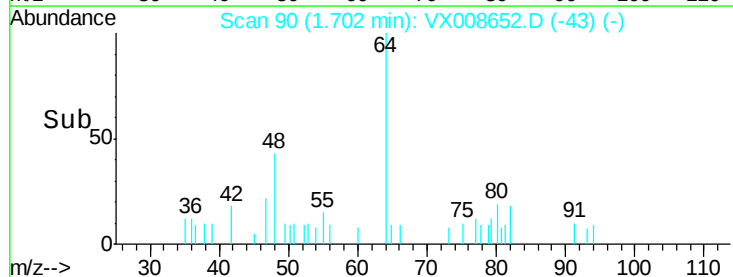
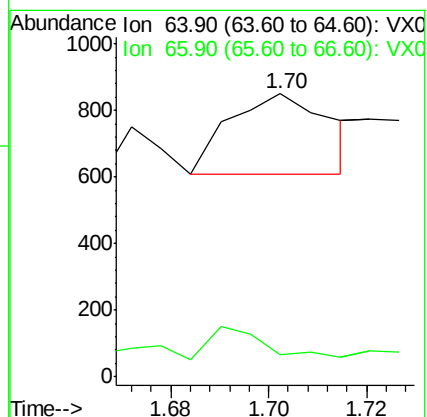
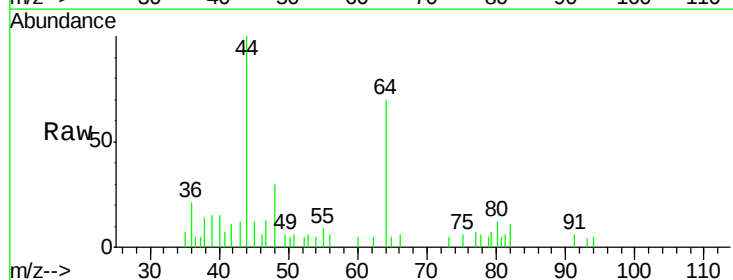
Acq: 04 Apr 2019 22:20

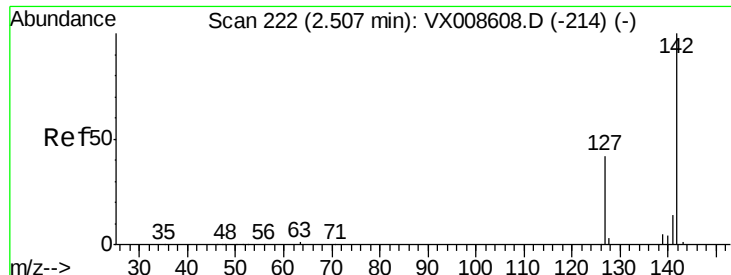
Tgt Ion: 64 Resp: 339

Ion Ratio Lower Upper

64 100

66 6.7 25.4 38.0#

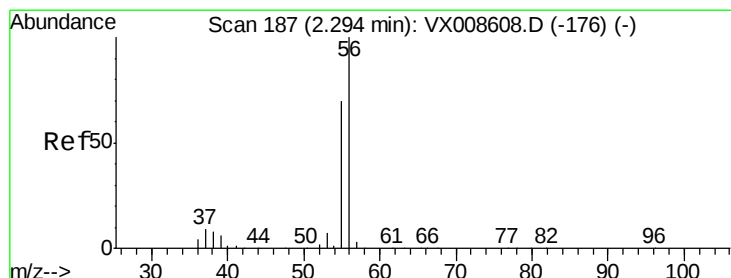
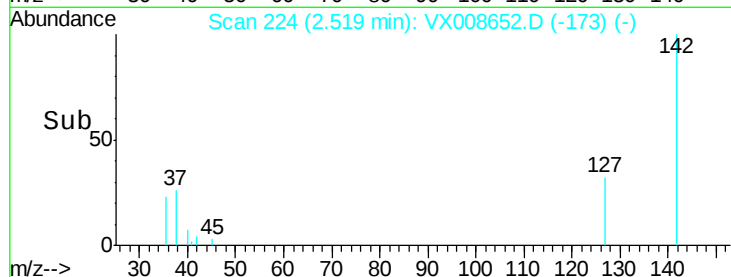
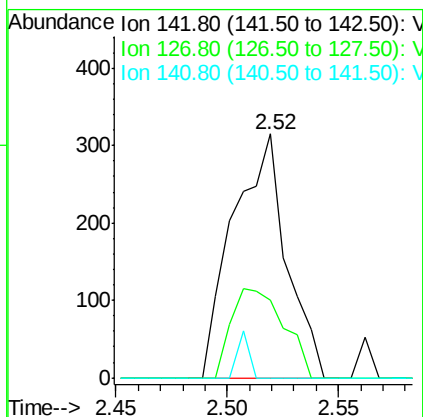
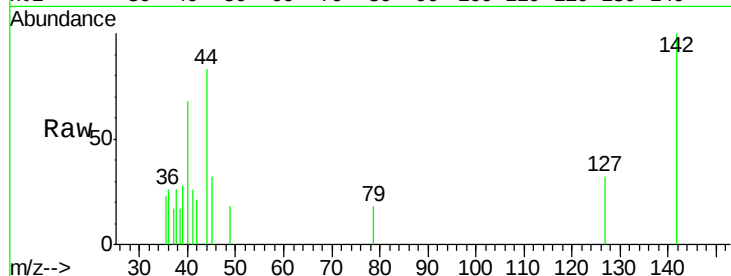




#10
Methyl Iodide
Concen: 4.230 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008652.D
Acq: 04 Apr 2019 22:20

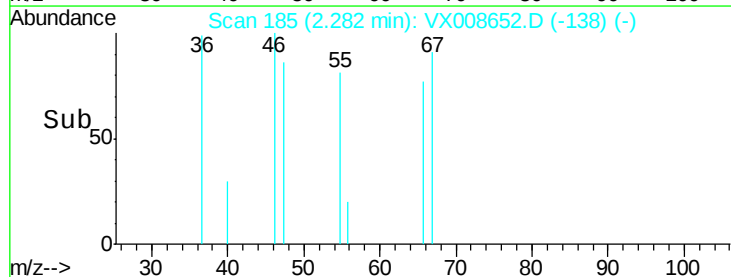
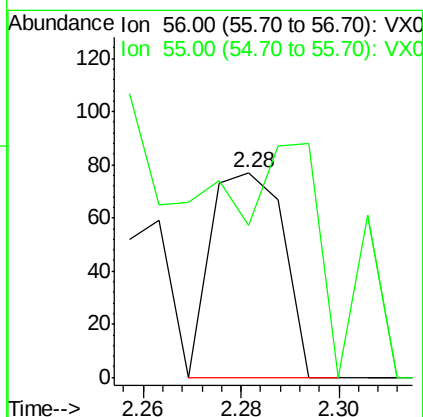
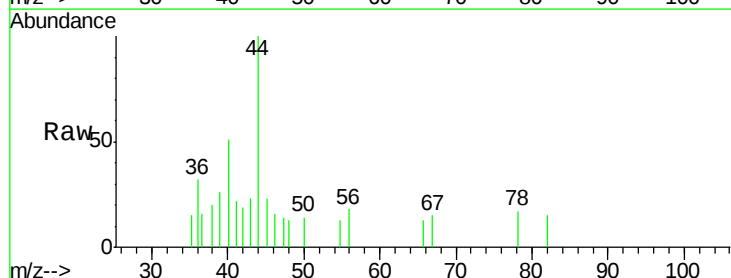
Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL02

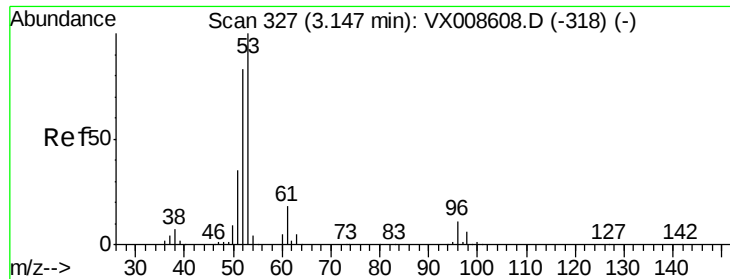
Tgt Ion: 142 Resp: 524
Ion Ratio Lower Upper
142 100
127 35.9 33.0 49.6
141 4.2 11.4 17.2#



#13
Acrolein
Concen: 0.222 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX008652.D
Acq: 04 Apr 2019 22:20

Tgt Ion: 56 Resp: 79
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#





#15

Acrylonitrile

Concen: 0.213 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL02

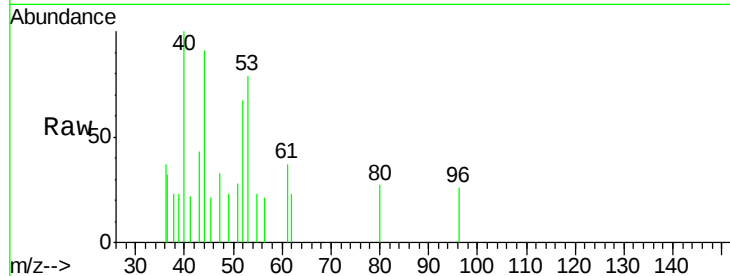
Tgt Ion: 53 Resp: 406

Ion Ratio Lower Upper

53 100

52 85.2 66.5 99.7

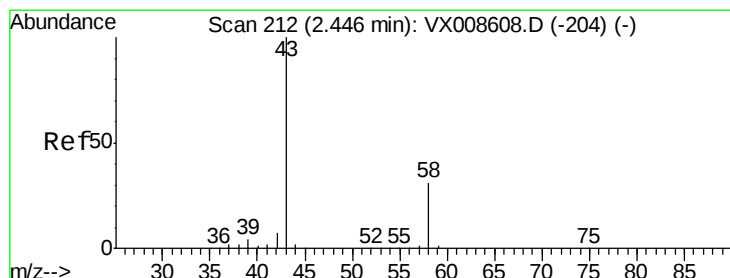
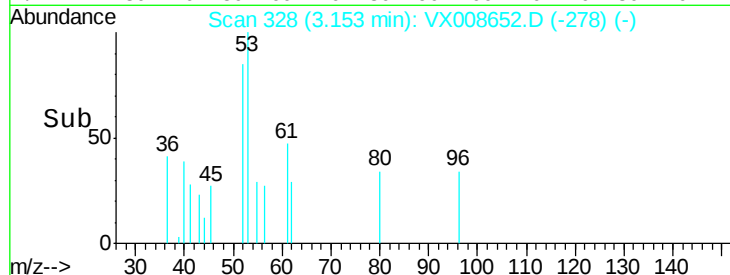
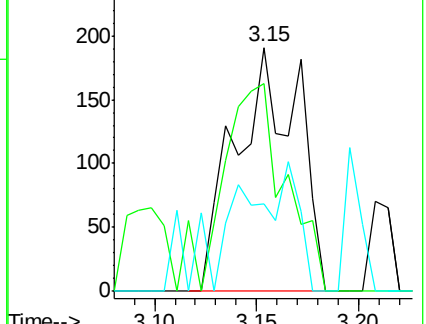
51 29.3 28.6 42.8



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: 0.312 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008652.D

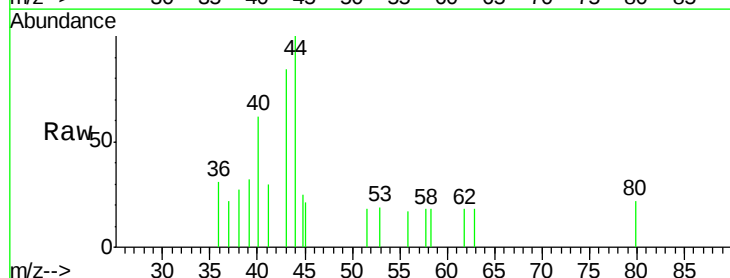
Acq: 04 Apr 2019 22:20

Tgt Ion: 43 Resp: 552

Ion Ratio Lower Upper

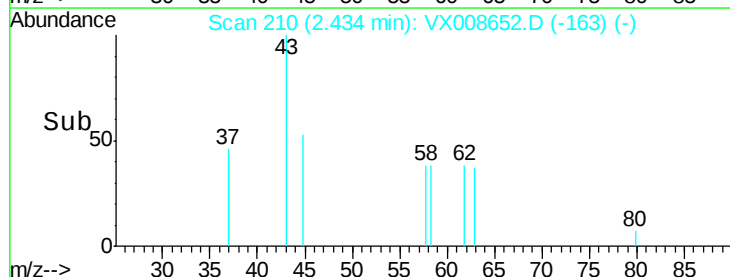
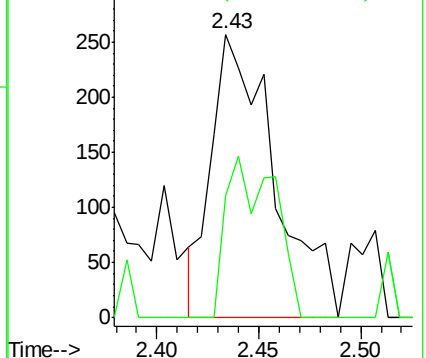
43 100

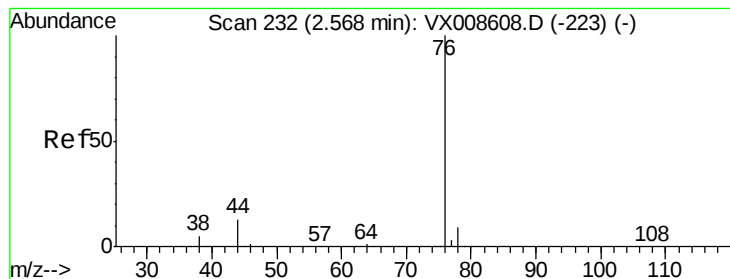
58 42.8 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

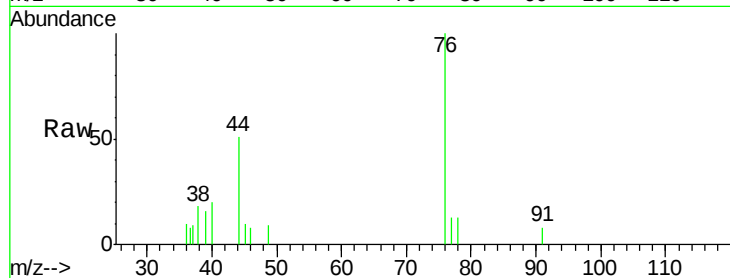
VX0404WBL02

Tgt Ion: 76 Resp: 1177

Ion Ratio Lower Upper

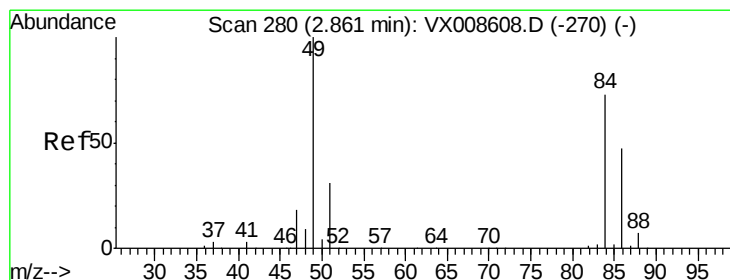
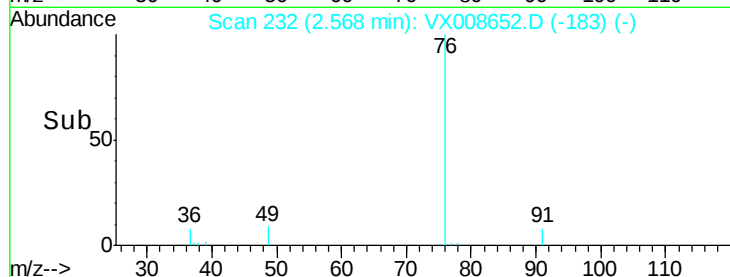
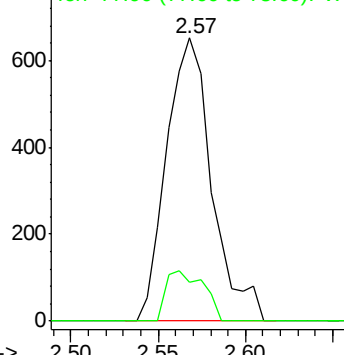
76 100

78 13.5 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.201 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Tgt Ion: 84 Resp: 594

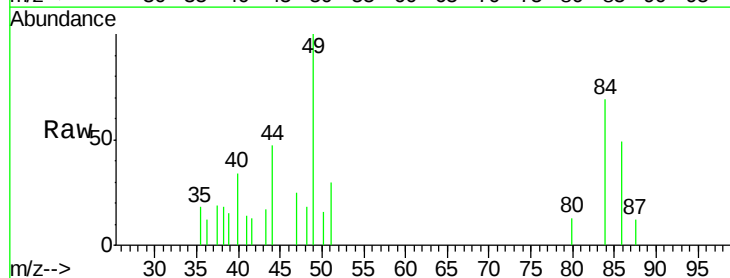
Ion Ratio Lower Upper

84 100

49 145.9 109.7 164.5

51 23.9 33.6 50.4#

86 71.8 51.4 77.2

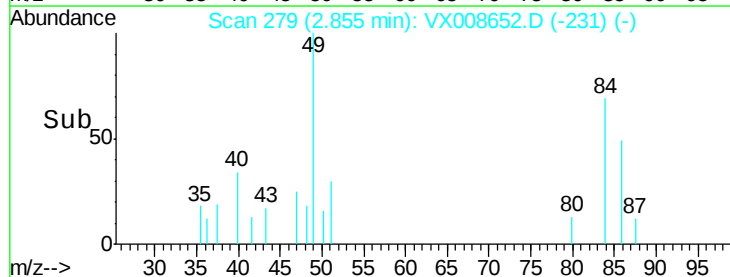
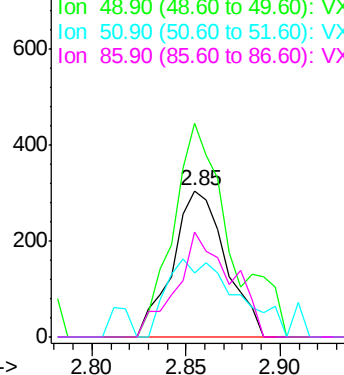


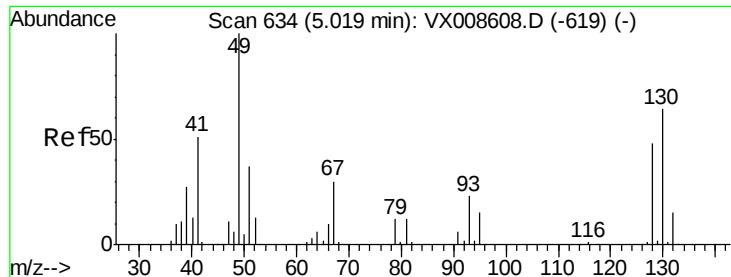
Abundance Ion 83.90 (83.60 to 84.60): VX0

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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

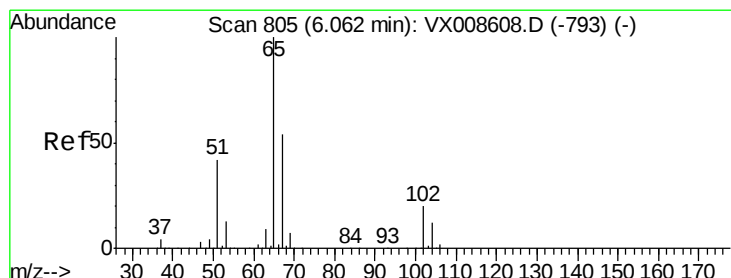
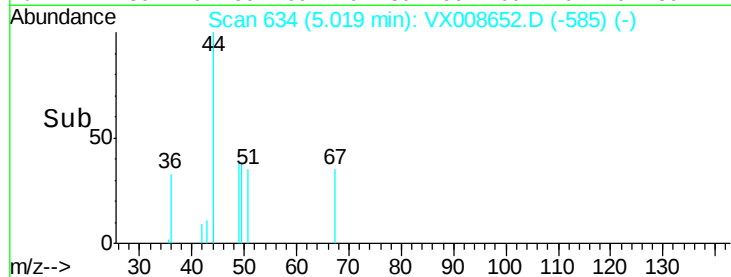
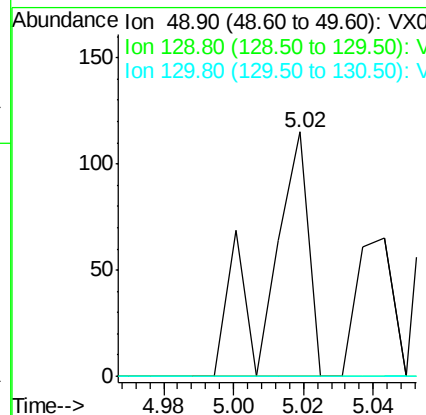
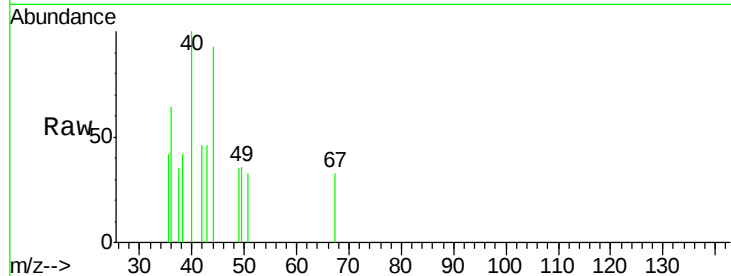
Lab File: VX008652.D

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VX0404WBL02

Tgt Ion: 49 Resp: 91

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	49.3	73.9#



#33

1,2-Dichloroethane-d4

Concen: 46.908 ug/l

RT: 6.06 min Scan# 805

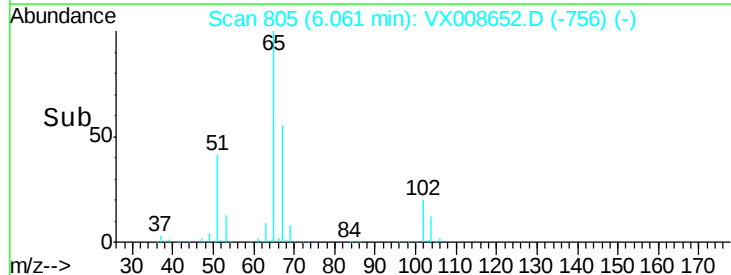
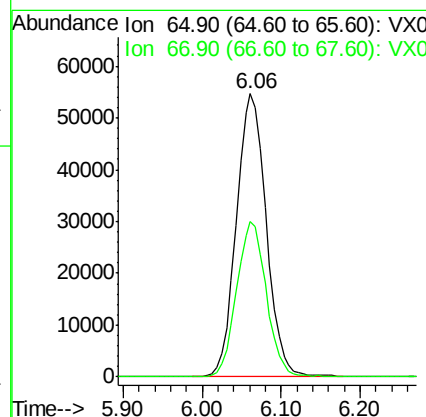
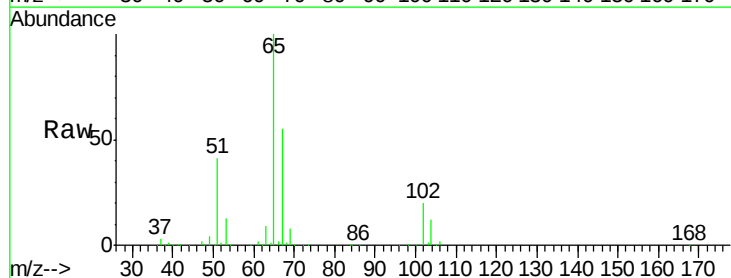
Delta R.T. -0.00 min

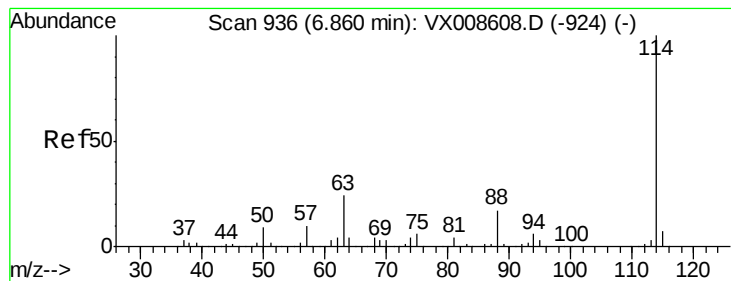
Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Tgt Ion: 65 Resp: 144021

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	107.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL02

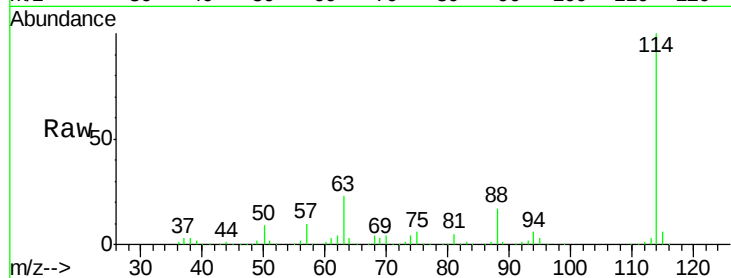
Tgt Ion:114 Resp: 350013

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.2

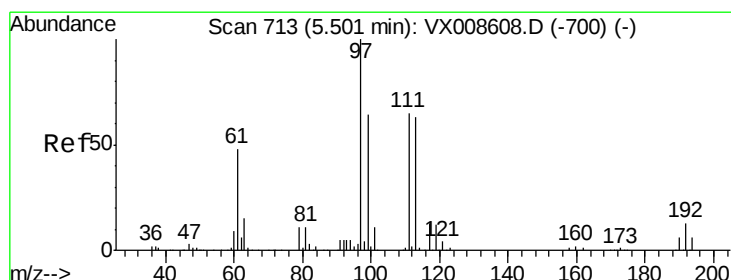
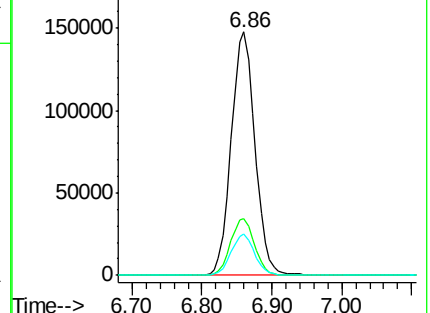
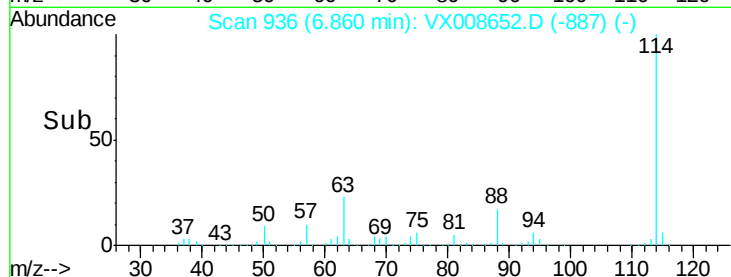
88 17.0 0.0 34.0



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: 48.176 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

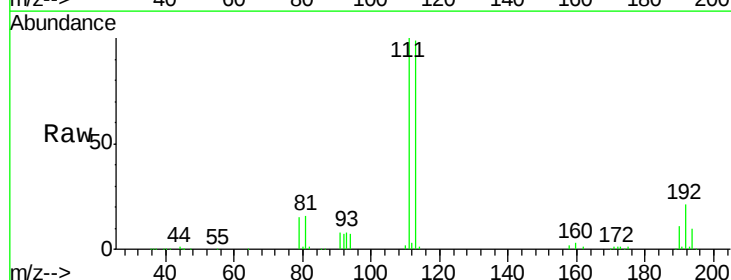
Tgt Ion:113 Resp: 107810

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

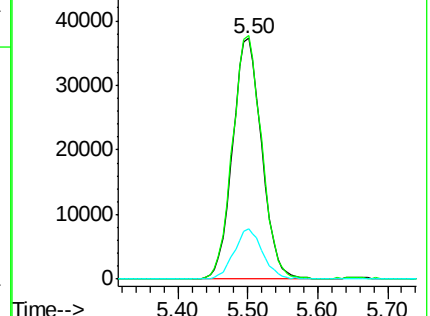
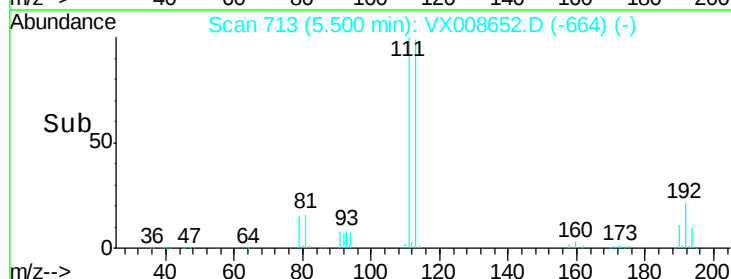
192 20.4 16.1 24.1

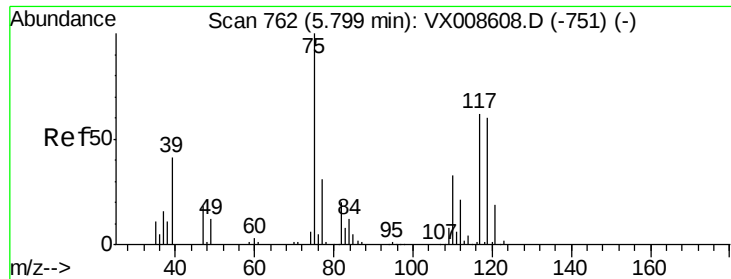


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

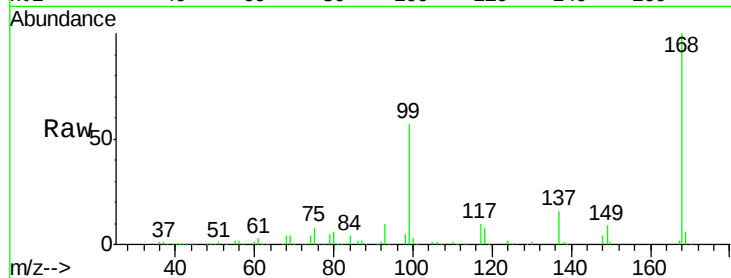




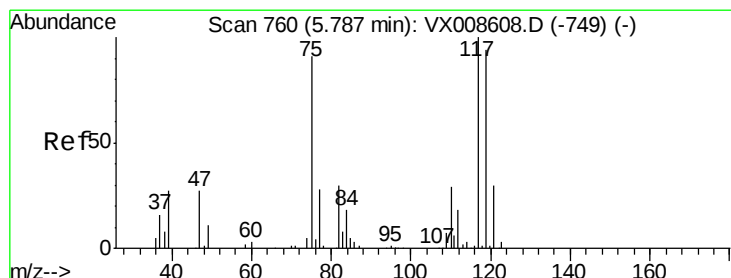
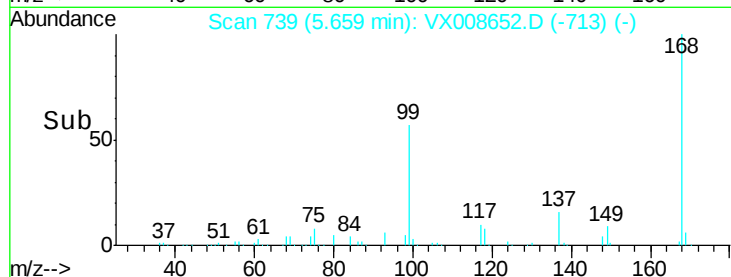
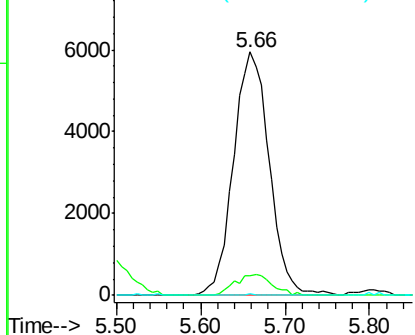
#36
 1,1-Dichloropropene
 Concen: 4.464 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008652.D
 Acq: 04 Apr 2019 22:20

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0404WBL02

Tgt Ion: 75 Resp: 17079
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.4 49.2#
 77 0.1 24.7 37.1#

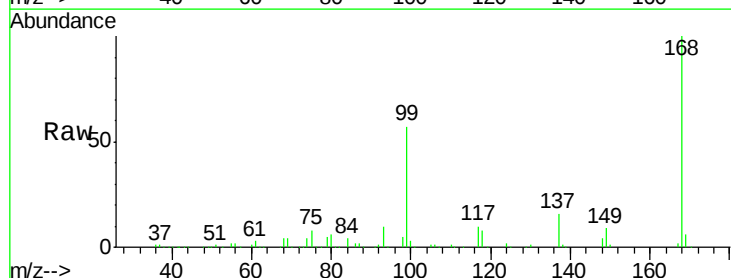


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

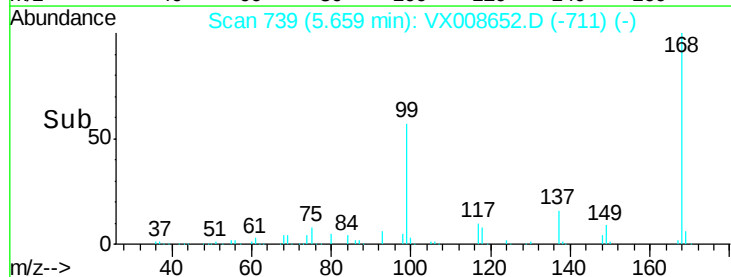
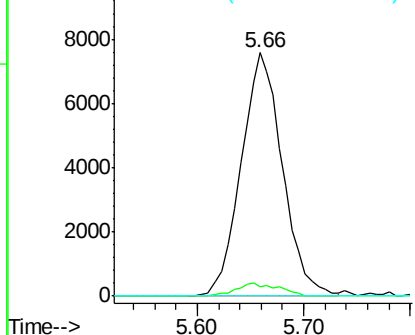


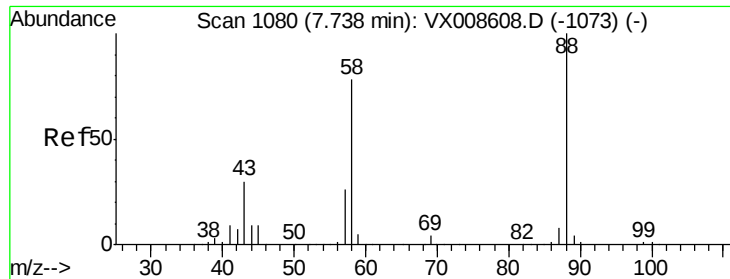
#38
 Carbon Tetrachloride
 Concen: 6.483 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008652.D
 Acq: 04 Apr 2019 22:20

Tgt Ion: 117 Resp: 20528
 Ion Ratio Lower Upper
 117 100
 119 4.0 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

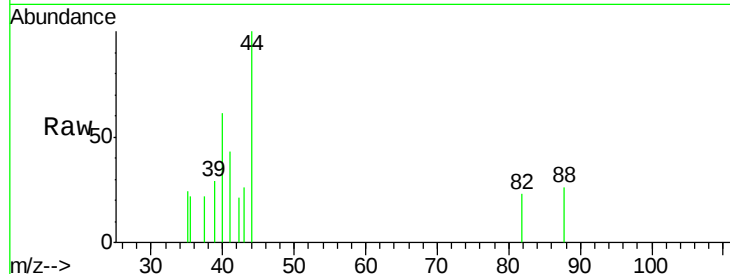




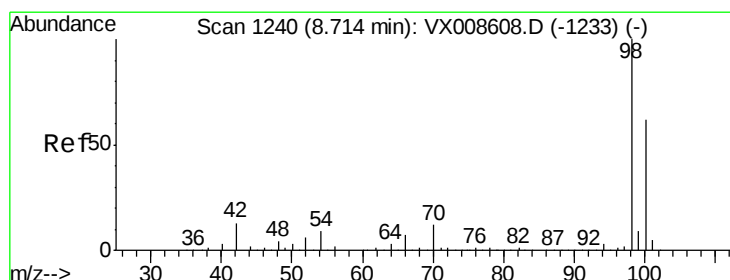
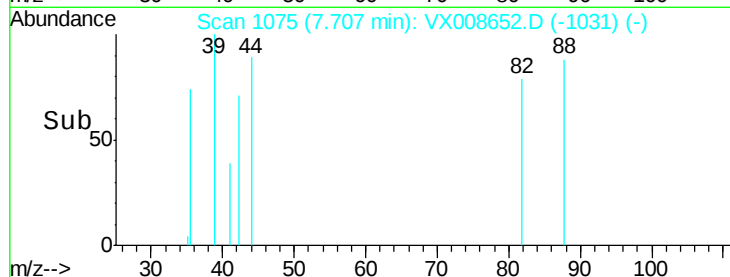
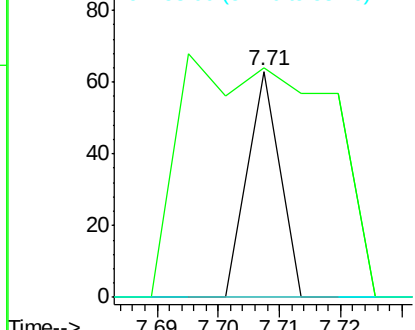
#49
1,4-Dioxane
Concen: 0.303 ug/l
RT: 7.71 min Scan# 1075
Delta R.T. -0.03 min
Lab File: VX008652.D
Acq: 04 Apr 2019 22:20

Instrument :
MSVOA_X
ClientSampleId :
VX0404WBL02

Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 478.3 28.6 43.0#
58 0.0 62.2 93.2#

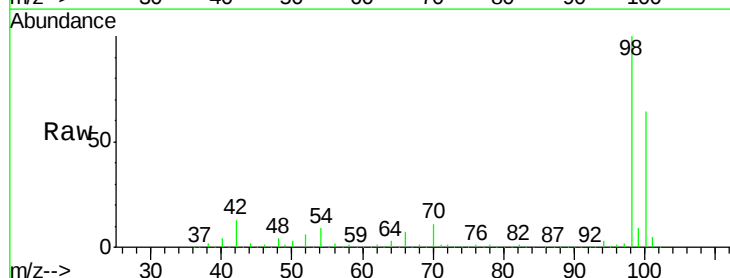


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

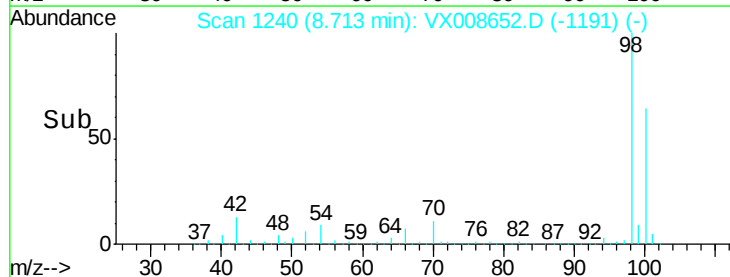
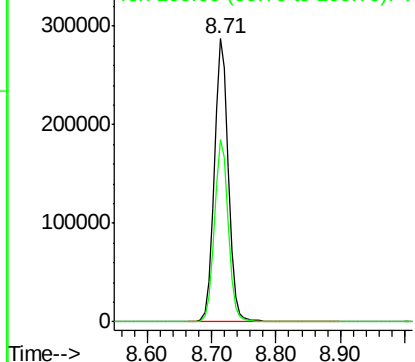


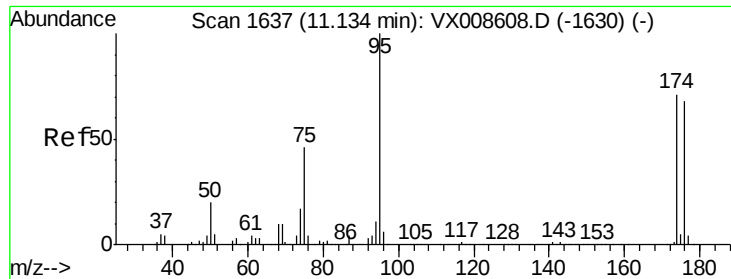
#50
Toluene-d8
Concen: 49.647 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008652.D
Acq: 04 Apr 2019 22:20

Tgt Ion: 98 Resp: 442381
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



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





#62

4-Bromofluorobenzene

Concen: 47.212 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL02

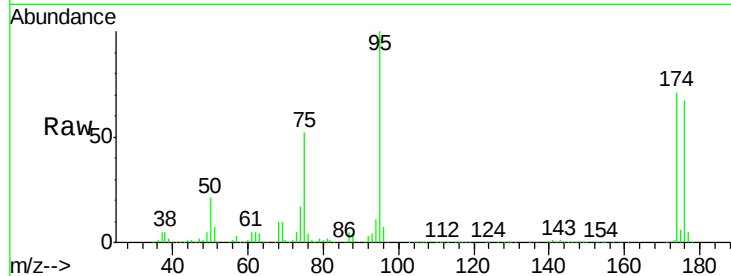
Tgt Ion: 95 Resp: 149182

Ion Ratio Lower Upper

95 100

174 77.2 0.0 151.8

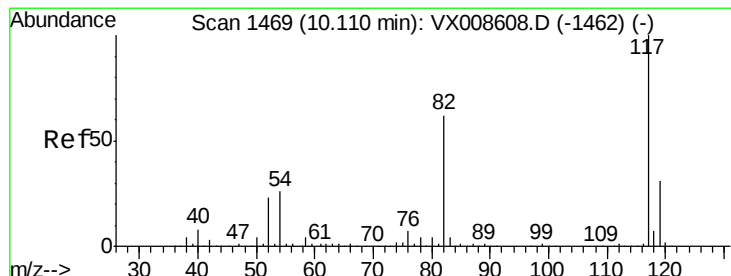
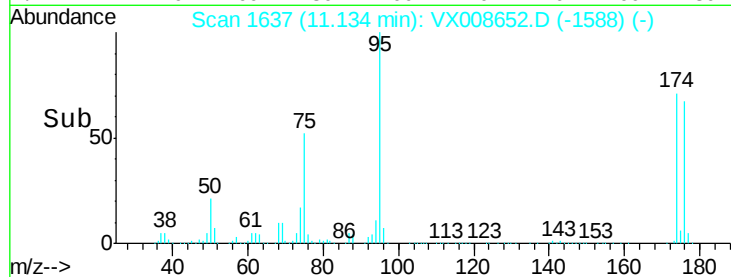
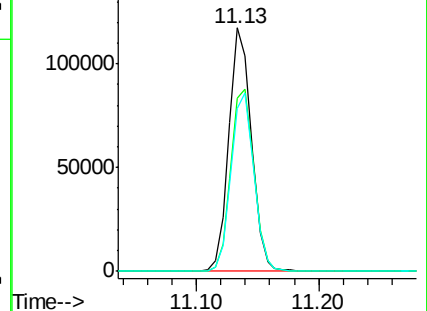
176 74.3 0.0 145.8



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: VX008652.D

Acq: 04 Apr 2019 22:20

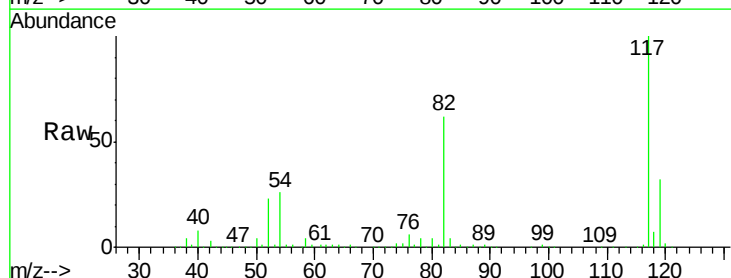
Tgt Ion: 117 Resp: 304982

Ion Ratio Lower Upper

117 100

82 61.9 49.6 74.4

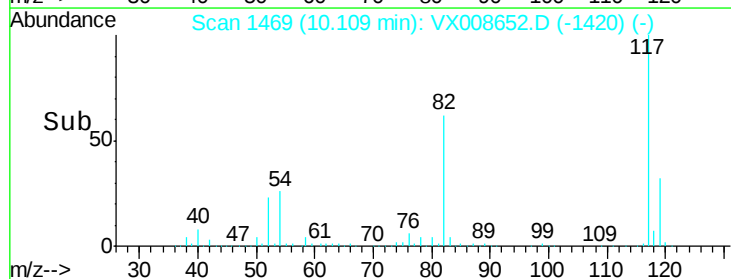
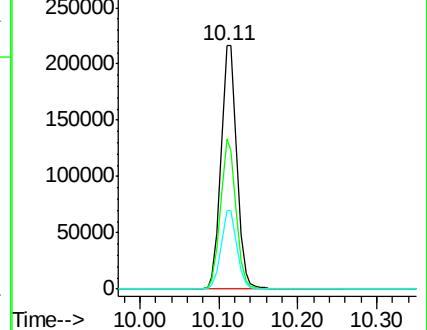
119 32.2 25.0 37.4

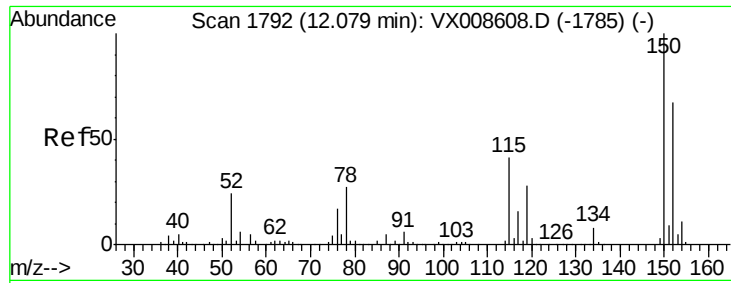


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

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: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL02

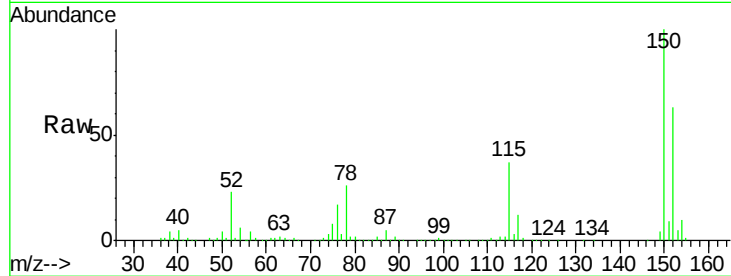
Tgt Ion:152 Resp: 129940

Ion Ratio Lower Upper

152 100

115 59.4 43.5 130.5

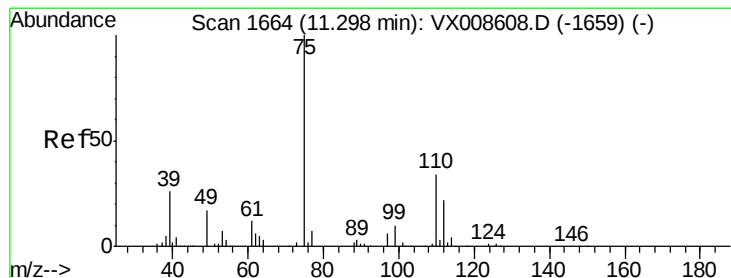
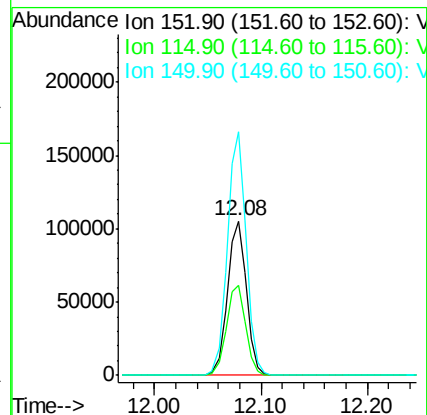
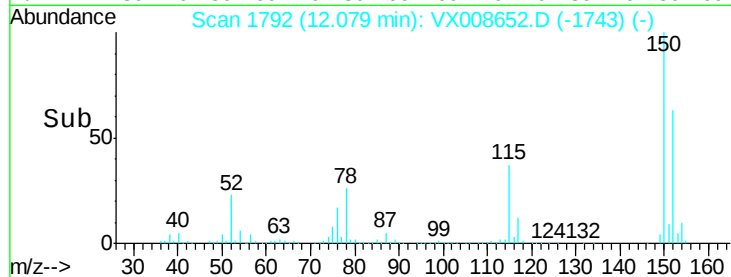
150 156.9 0.0 348.8



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: 21.325 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008652.D

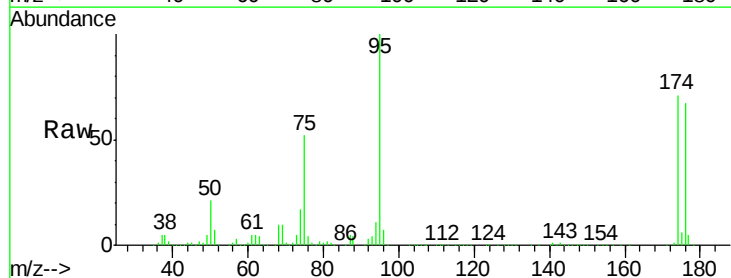
Acq: 04 Apr 2019 22:20

Tgt Ion: 75 Resp: 76120

Ion Ratio Lower Upper

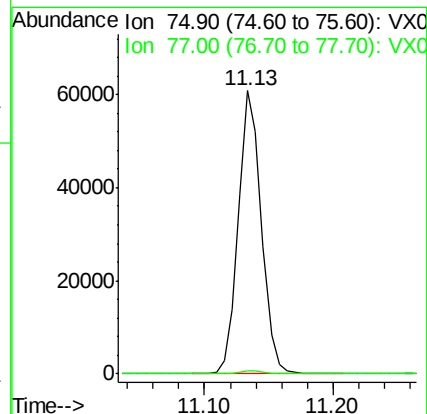
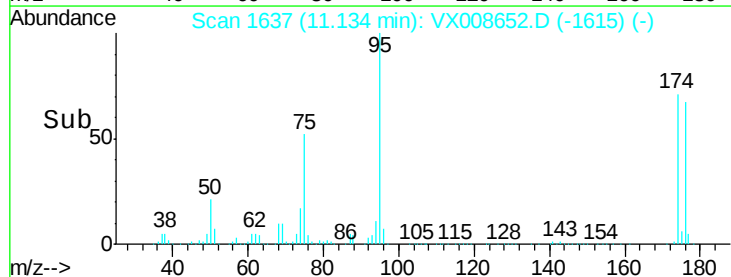
75 100

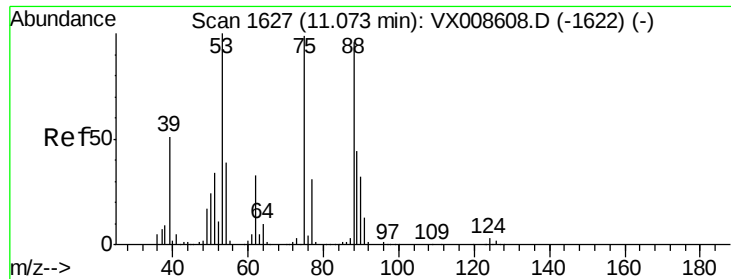
77 1.3 22.3 66.8#



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: 58.782 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008652.D

Acq: 04 Apr 2019 22:20

Instrument :

MSVOA_X

ClientSampleId :

VX0404WBL02

Tgt Ion: 75 Resp: 76120

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#

