

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008875.D
 Acq On : 12 Apr 2019 10:51
 Operator : JC/SP
 Sample : VX0412WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBL01

Quant Time: Apr 13 04:56:06 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	192932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	266840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113799	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	126023	44.78	ug/l	0.00
Spiked Amount			Recovery	=	89.56%	
35) Dibromofluoromethane	5.49	113	92369	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
50) Toluene-d8	8.71	98	383544	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.13	95	127280	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	

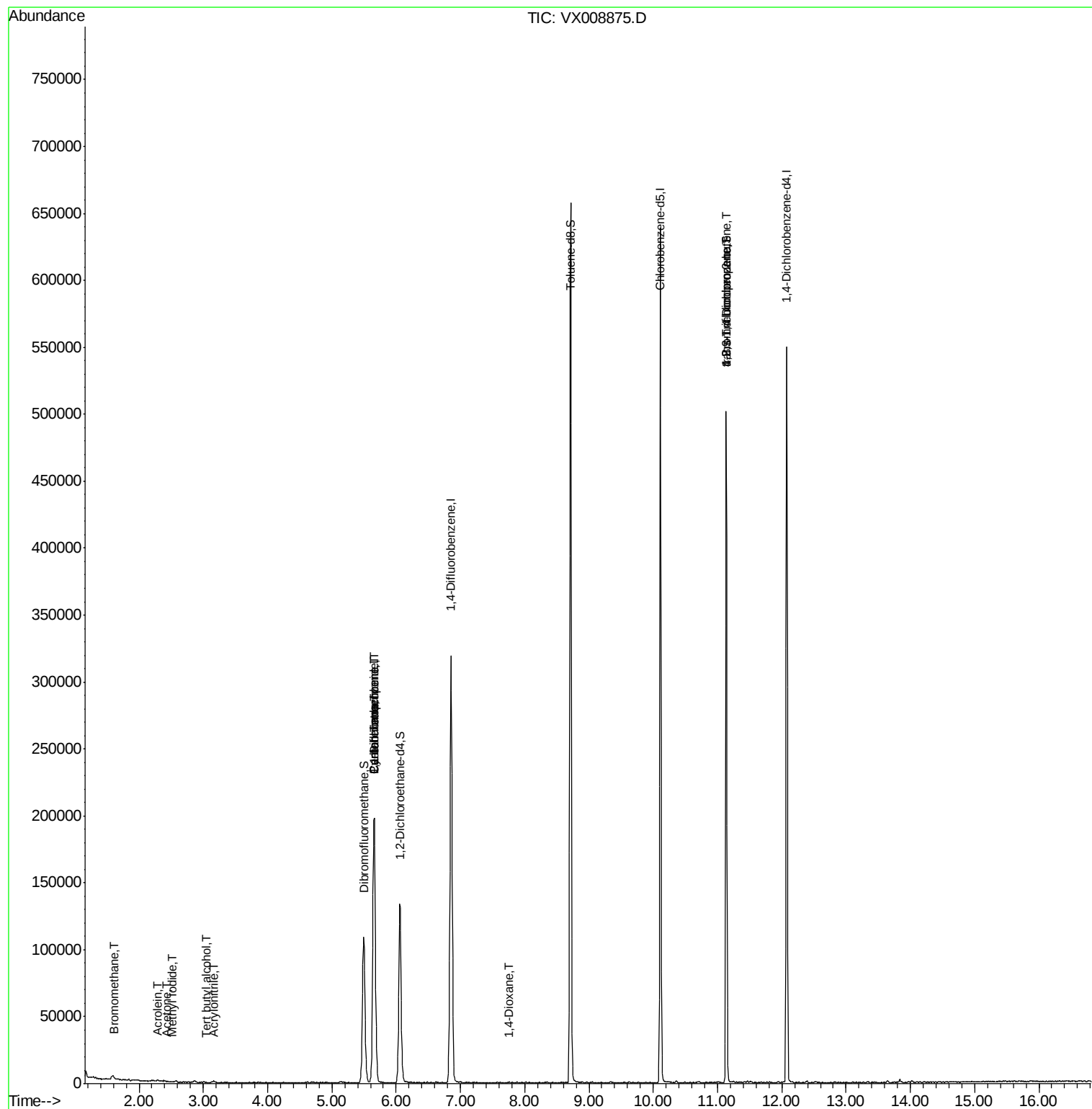
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	448	Below Cal		99
5) Bromomethane	1.62	94	40	1.911 ug/l #		3
6) Chloroethane	1.70	64	55	Below Cal #		43
10) Methyl Iodide	2.52	142	294	4.142 ug/l #		91
11) Tert butyl alcohol	3.04	59	132	0.200 ug/l #		72
13) Acrolein	2.29	56	258	0.790 ug/l #		81
15) Acrylonitrile	3.15	53	586	0.336 ug/l #		81
16) Acetone	2.43	43	481	0.297 ug/l		97
17) Carbon Disulfide	2.57	76	1431	Below Cal #		93
28) Bromochloromethane	5.02	49	78	Below Cal #		22
31) Cyclohexane	5.65	56	4215	0.867 ug/l #		1
36) 1,1-Dichloropropene	5.65	75	15502	4.604 ug/l #		50
38) Carbon Tetrachloride	5.65	117	18152	6.513 ug/l #		16
49) 1,4-Dioxane	7.76	88	24	0.360 ug/l #		1
76) 1,2,3-Trichloropropane	11.13	75	65218	20.862 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	65218	57.507 ug/l #		9

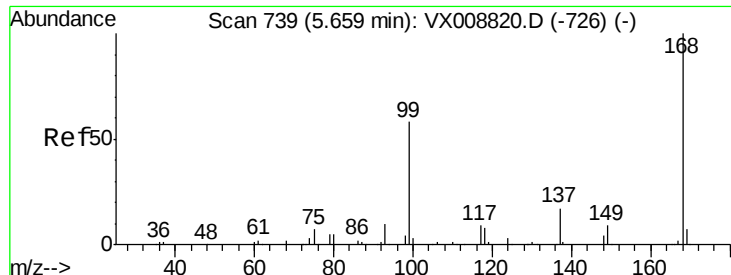
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VX0412WBL01

Quant Time: Apr 13 04:56:06 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: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

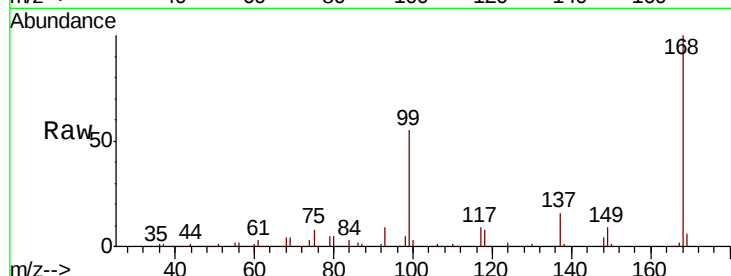
VX0412WBL01

Tot Ion:168 Resp: 192932

Ion Ratio Lower Upper

168 100

99 54.4 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

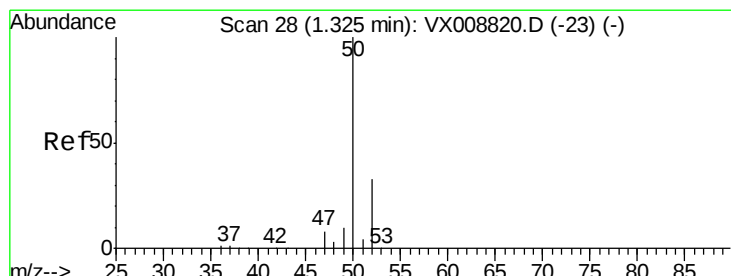
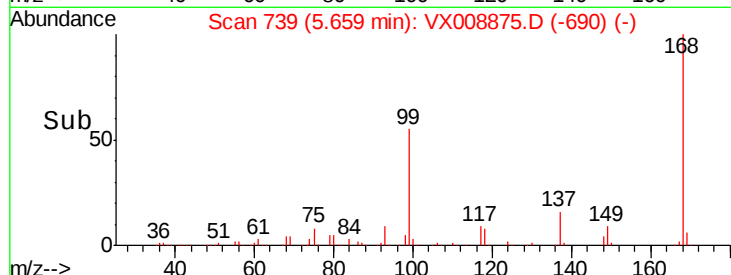
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008875.D

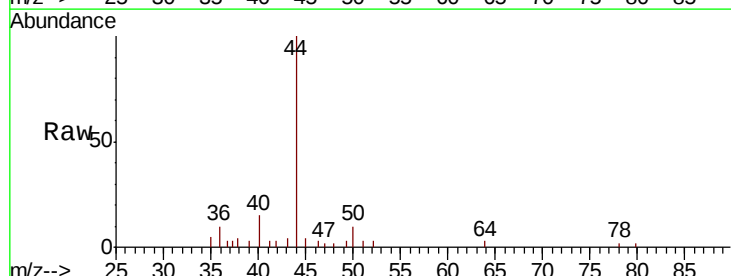
Acq: 12 Apr 2019 10:51

Tgt Ion: 50 Resp: 448

Ion Ratio Lower Upper

50 100

52 31.6 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

300

250

200

150

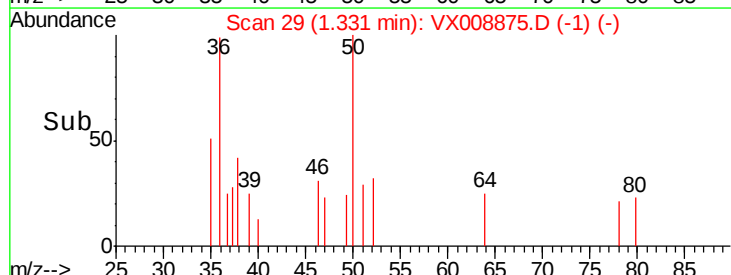
100

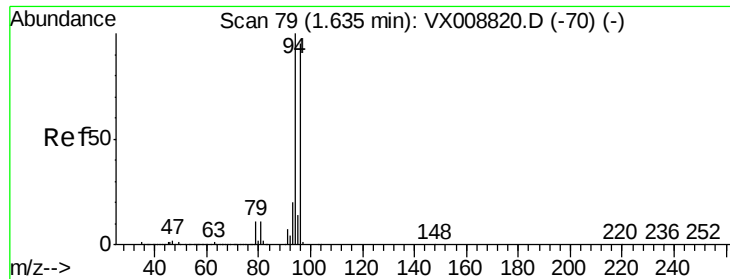
50

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: 1.911 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

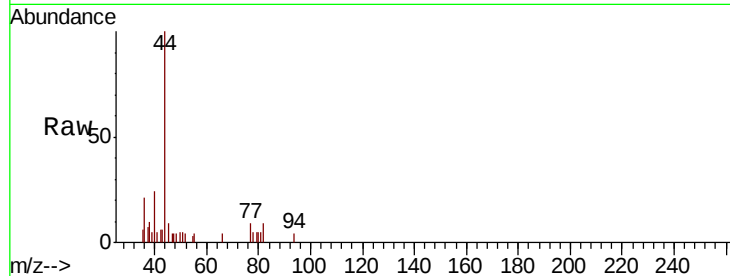
VX0412WBL01

Tot Ion: 94 Resp: 40

Ion Ratio Lower Upper

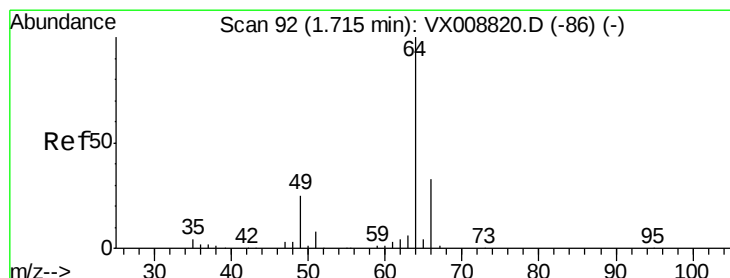
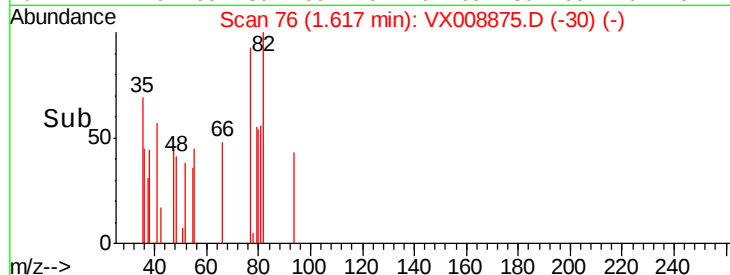
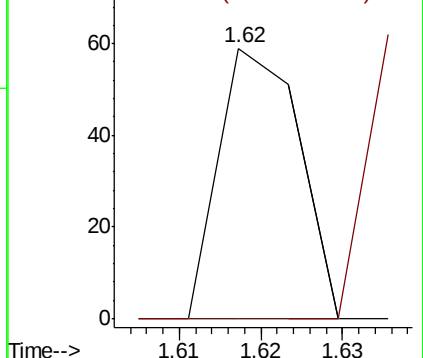
94 100

96 0.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008875.D

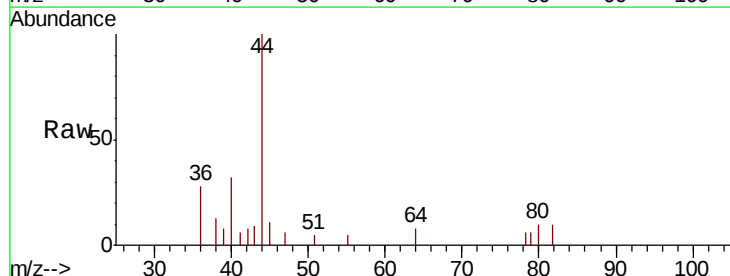
Acq: 12 Apr 2019 10:51

Tgt Ion: 64 Resp: 55

Ion Ratio Lower Upper

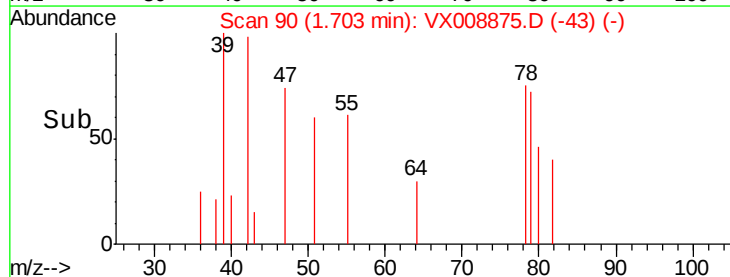
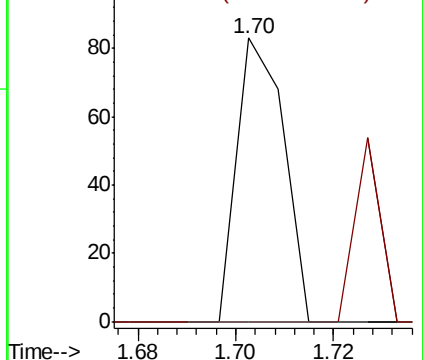
64 100

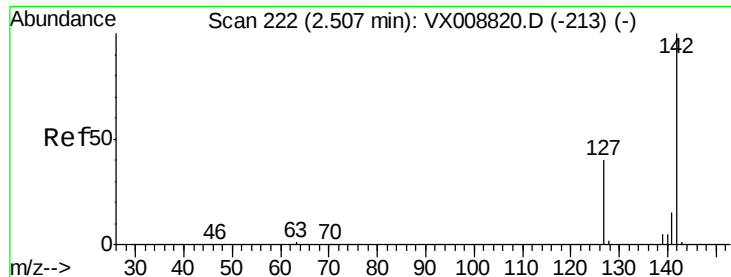
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

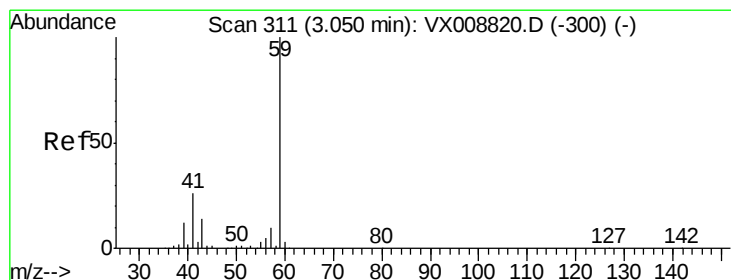
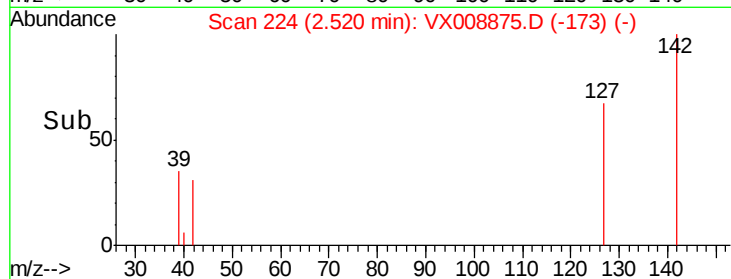
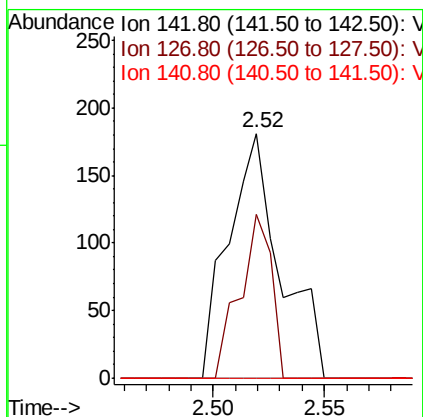
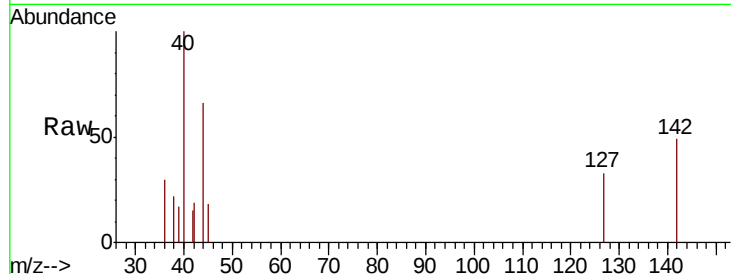




#10
Methvl Iodide
Concen: 4.142 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008875.D
Acq: 12 Apr 2019 10:51

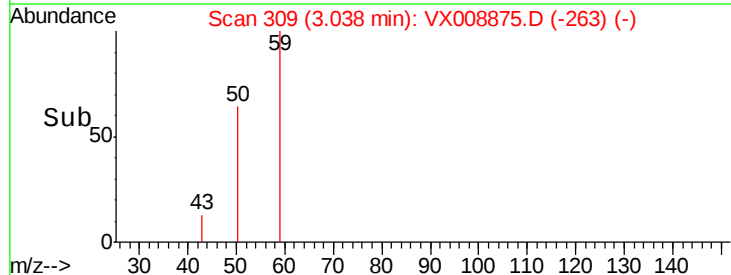
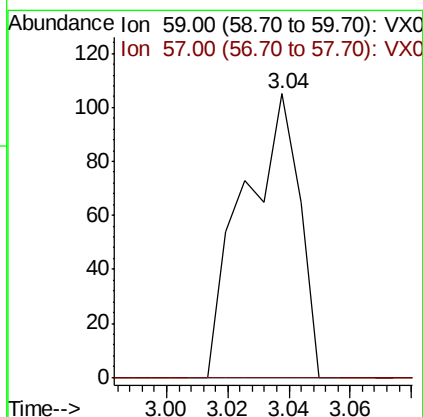
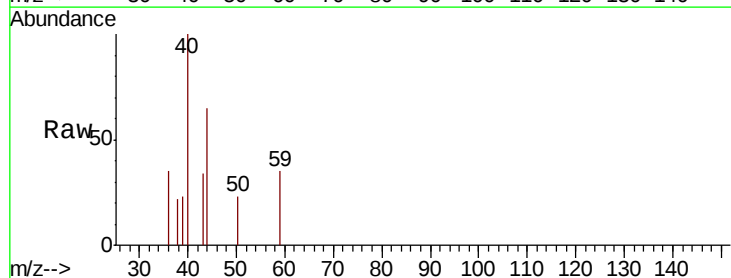
Instrument :
MSVOA_X
ClientSampleId :
VX0412WBL01

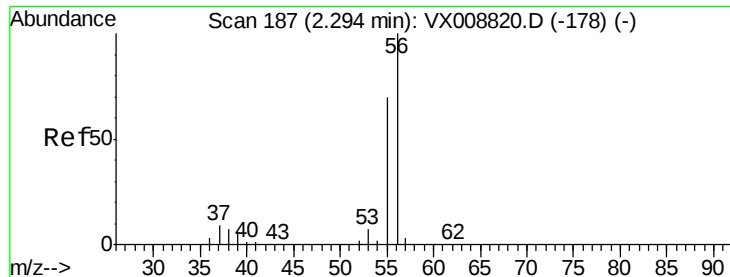
Tot Ion:142 Resp: 294
Ion Ratio Lower Upper
142 100
127 41.2 33.0 49.6
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.200 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008875.D
Acq: 12 Apr 2019 10:51

Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.790 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

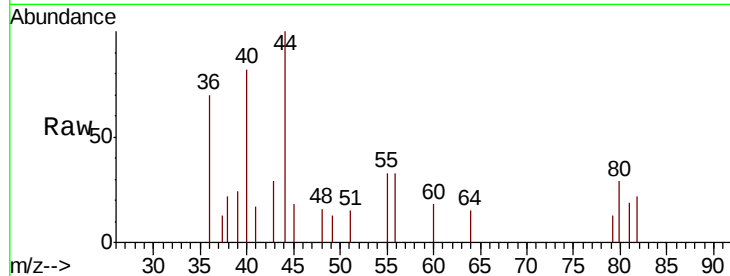
VX0412WBL01

Tot Ion: 56 Resp: 258

Ion Ratio Lower Upper

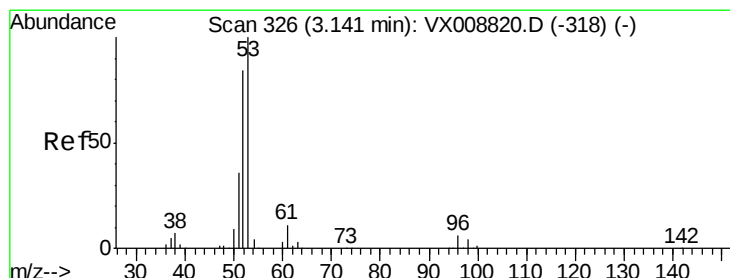
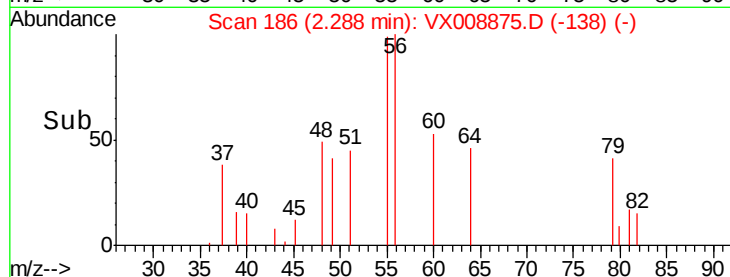
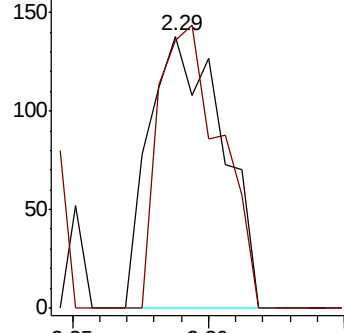
56 100

55 88.4 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: 0.336 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

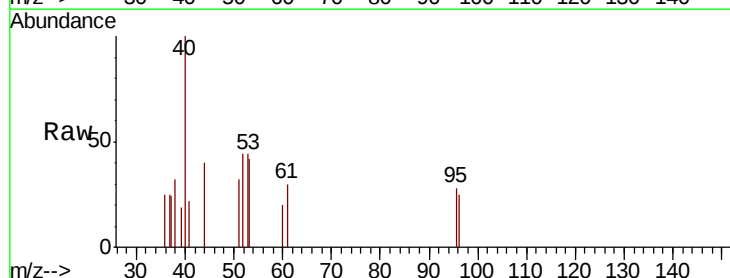
Tgt Ion: 53 Resp: 586

Ion Ratio Lower Upper

53 100

52 70.5 66.5 99.7

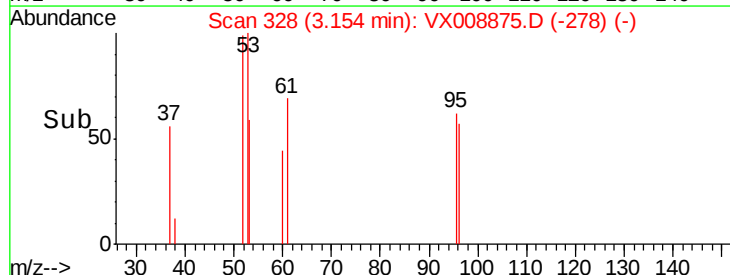
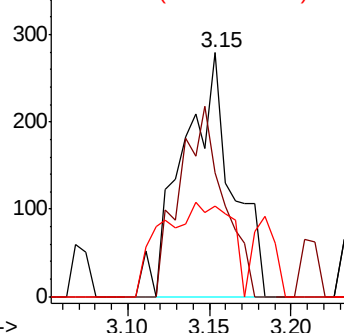
51 54.6 28.6 42.8#

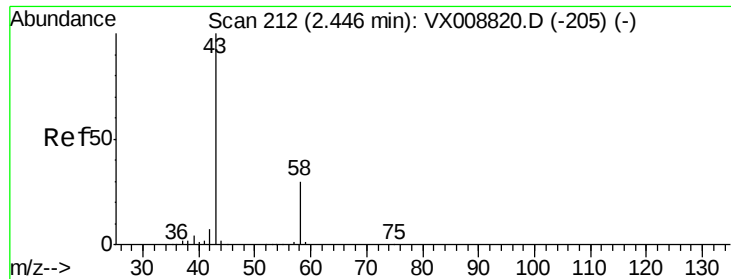


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.297 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampled :

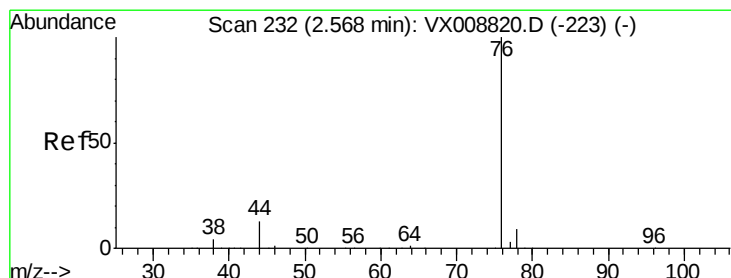
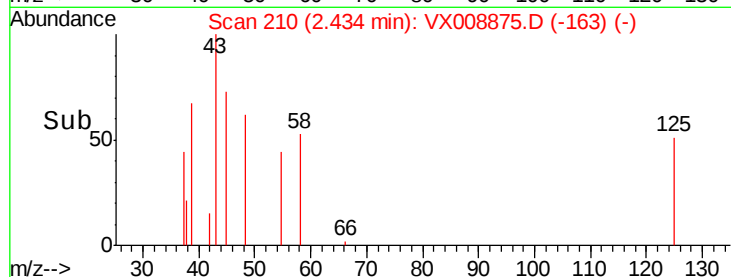
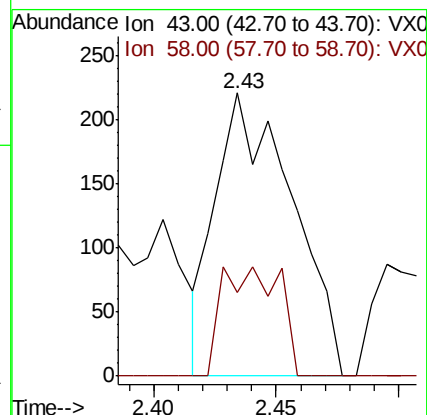
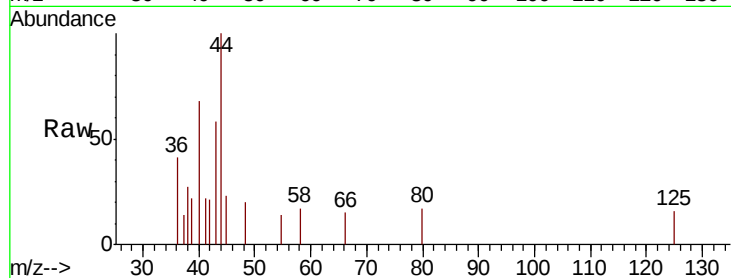
VX0412WBL01

Tot Ion: 43 Resp: 481

Ion Ratio Lower Upper

43 100

58 29.4 24.8 37.2



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008875.D

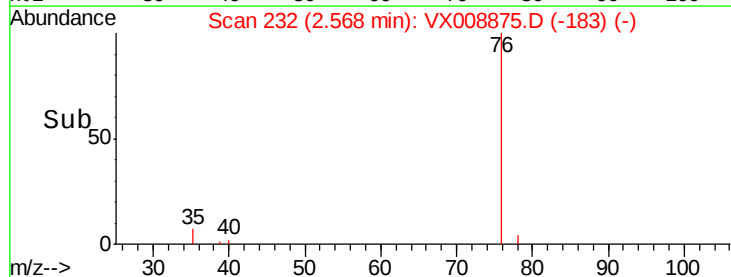
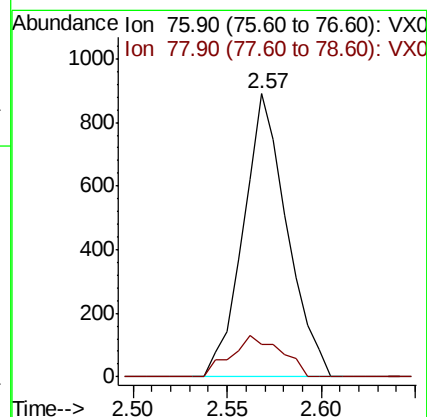
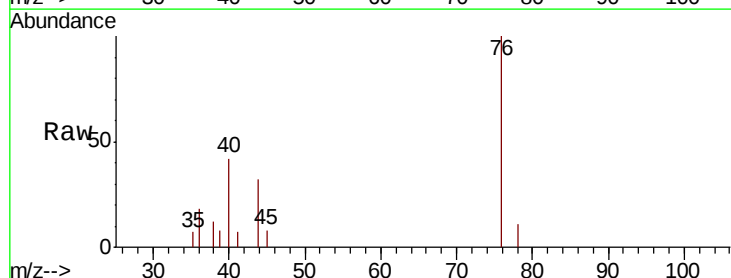
Acq: 12 Apr 2019 10:51

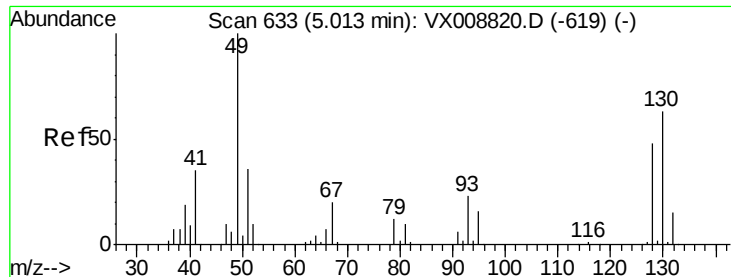
Tgt Ion: 76 Resp: 1431

Ion Ratio Lower Upper

76 100

78 11.3 7.1 10.7#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBL01

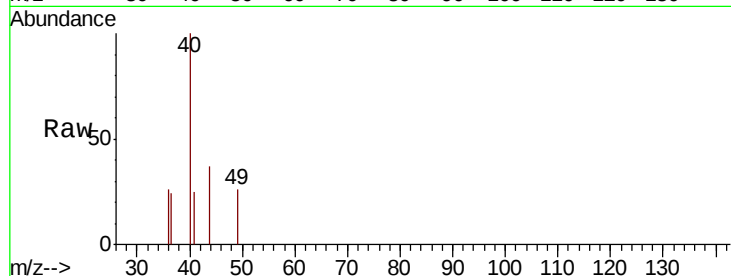
Tot Ion: 49 Resp: 78

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

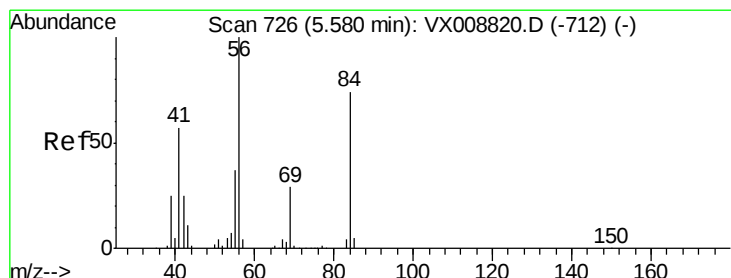
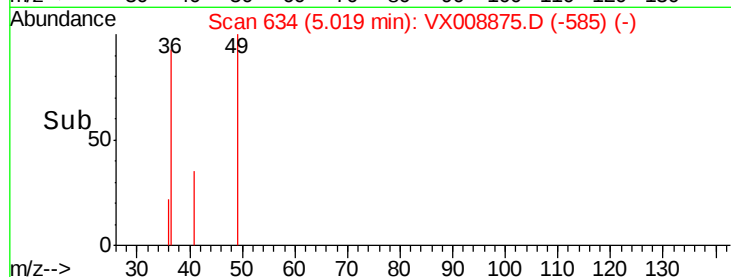
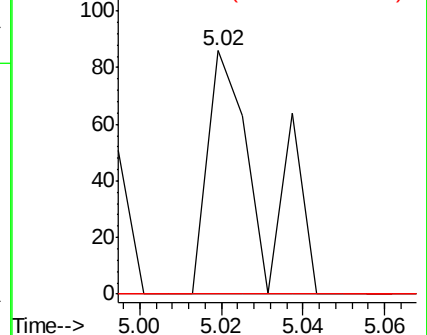
130 0.0 49.3 73.9#



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



#31

Cyclohexane

Concen: 0.867 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

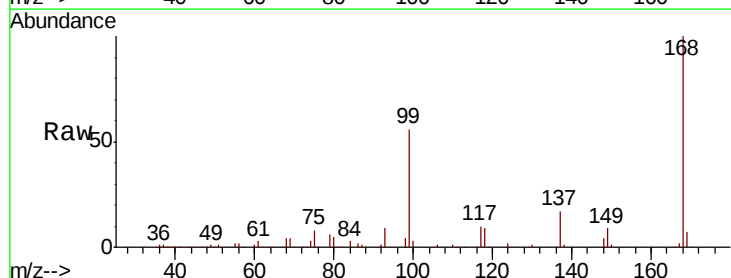
Tgt Ion: 56 Resp: 4215

Ion Ratio Lower Upper

56 100

69 165.0 22.6 33.8#

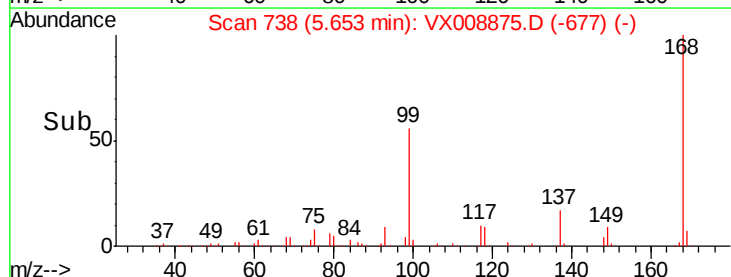
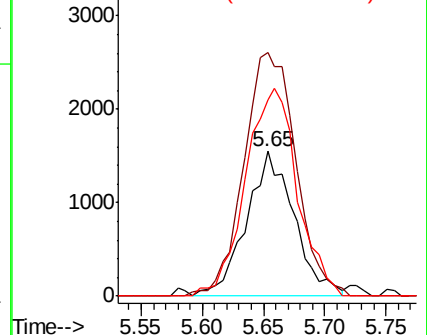
84 136.0 59.3 88.9#

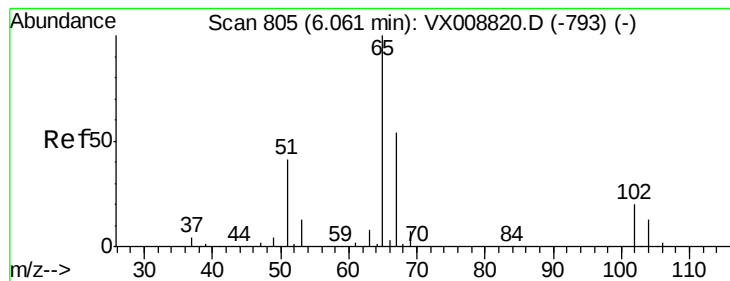


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.784 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

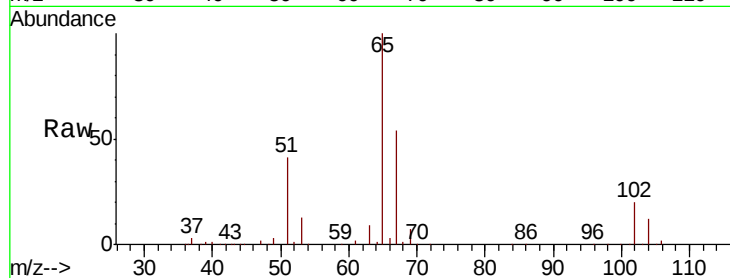
VX0412WBL01

Tot Ion: 65 Resp: 126023

Ion Ratio Lower Upper

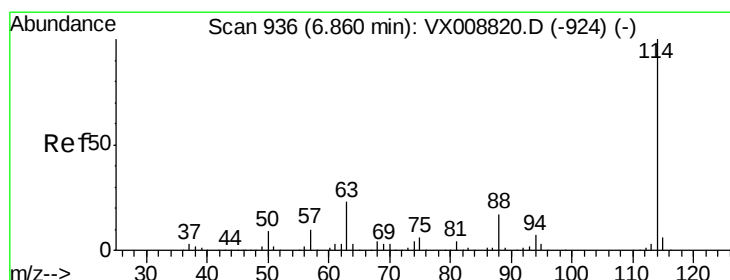
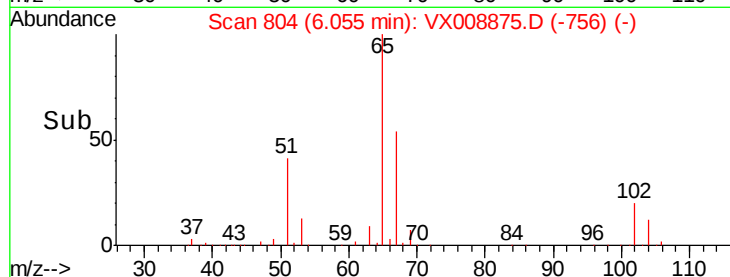
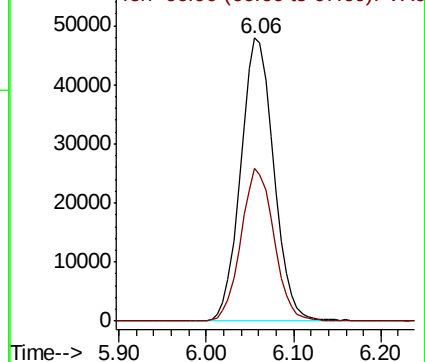
65 100

67 53.9 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: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

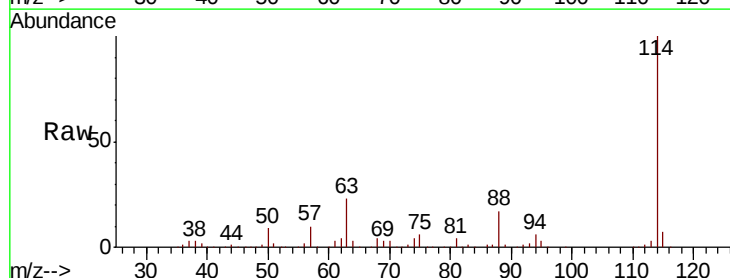
Tgt Ion: 114 Resp: 308039

Ion Ratio Lower Upper

114 100

63 23.5 0.0 47.2

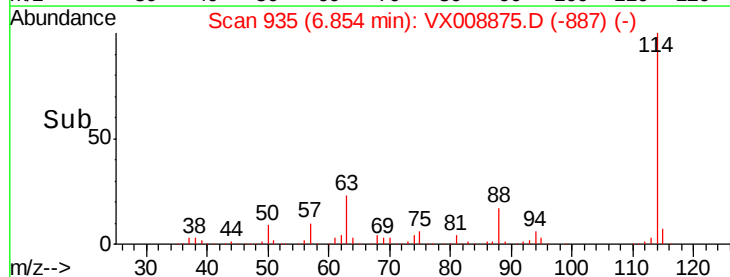
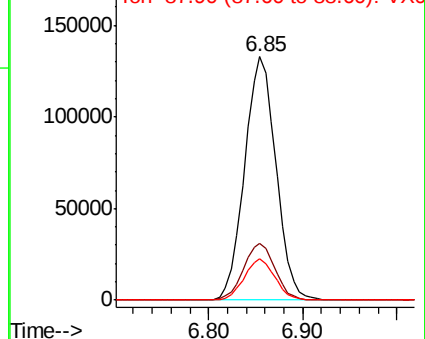
88 16.8 0.0 34.0

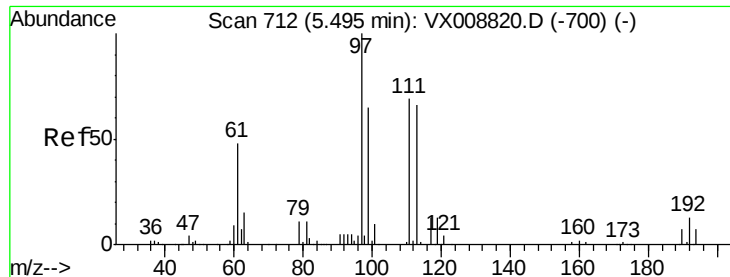


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

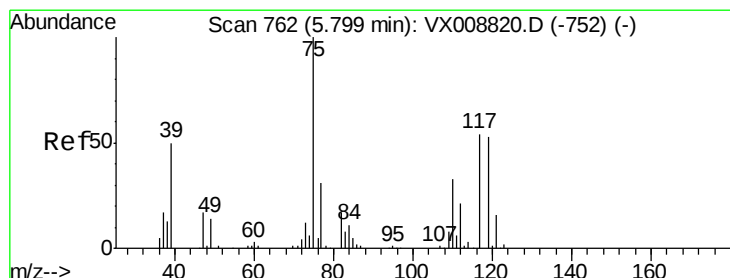
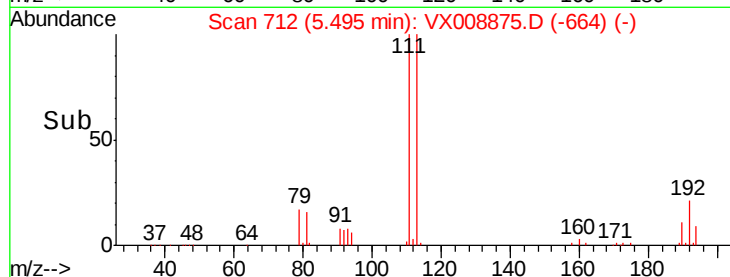
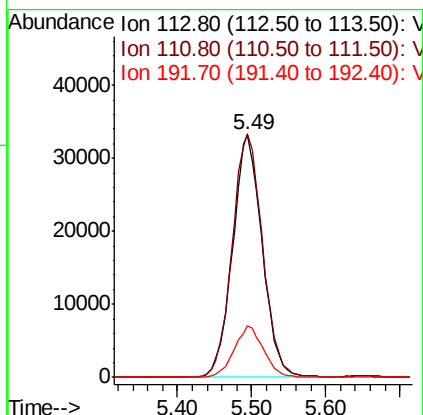
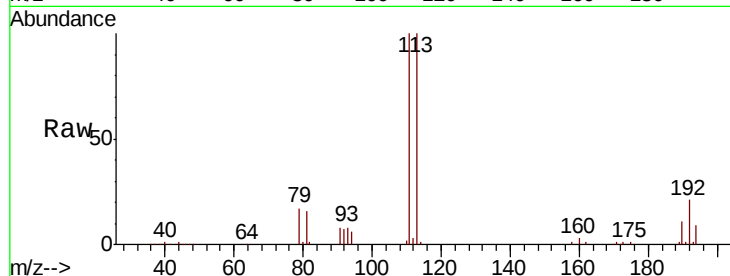




#35
 Dibromofluoromethane
 Concen: 46.900 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008875.D
 Acq: 12 Apr 2019 10:51

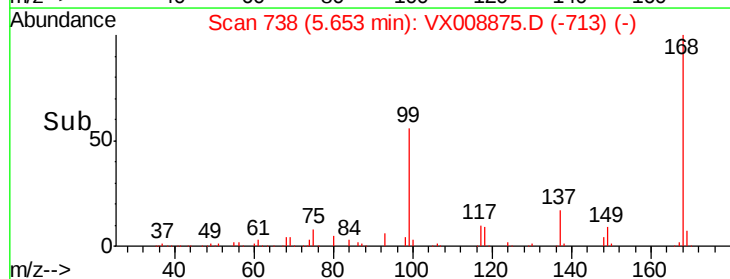
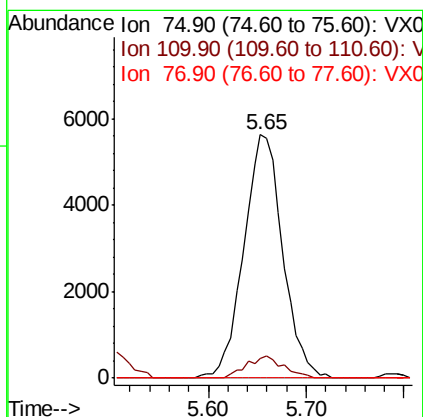
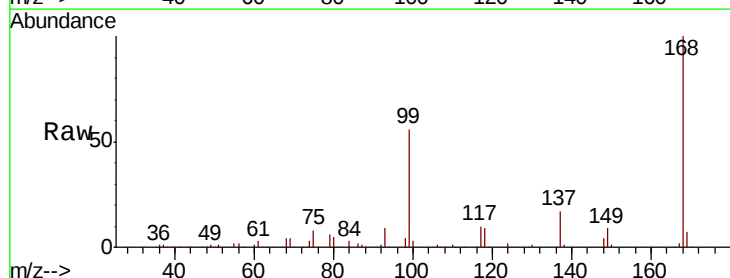
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBL01

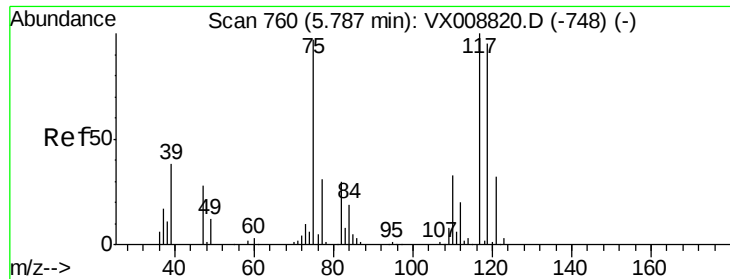
Tot Ion:113 Resp: 92369
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 20.8 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.604 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008875.D
 Acq: 12 Apr 2019 10:51

Tgt Ion: 75 Resp: 15502
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.513 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampleId :

VX0412WBL01

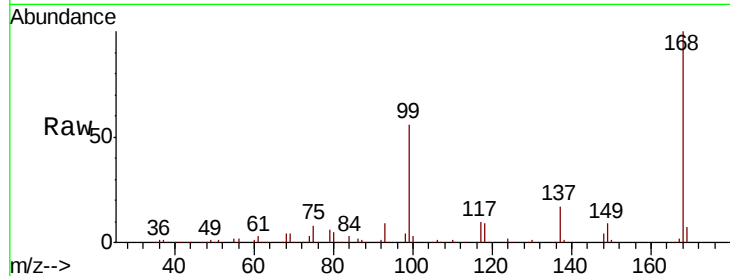
Tot Ion:117 Resp: 18152

Ion Ratio Lower Upper

117 100

119 3.9 75.0 112.6#

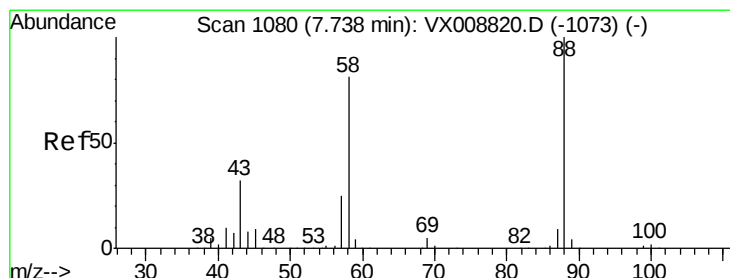
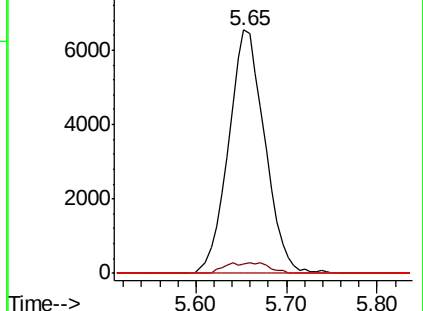
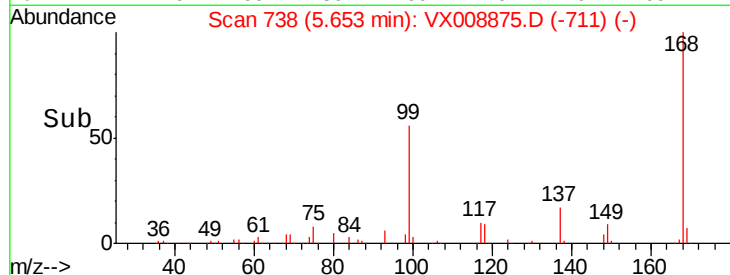
121 0.0 24.3 36.5#



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: 0.360 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

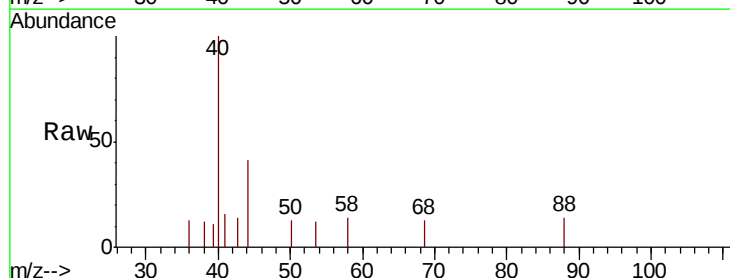
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

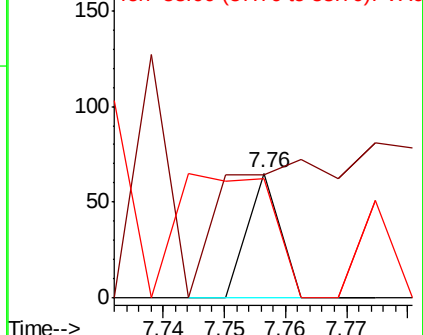
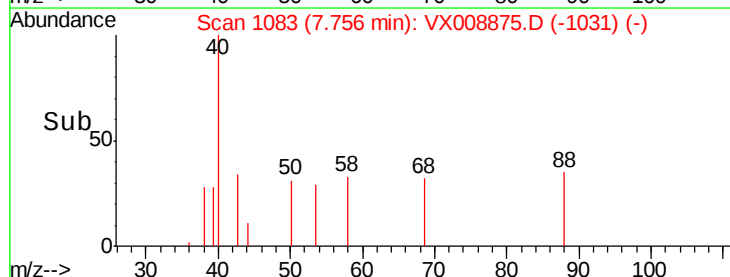
58 287.5 62.2 93.2#

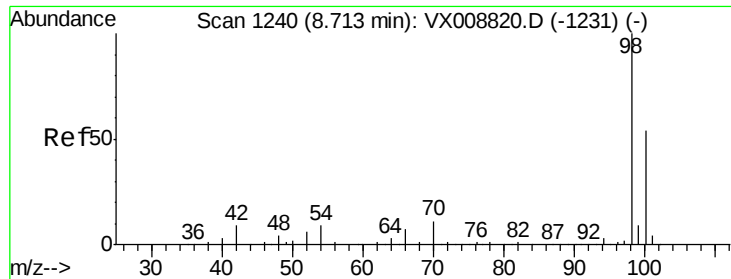


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.909 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

Instrument :

MSVOA_X

ClientSampled :

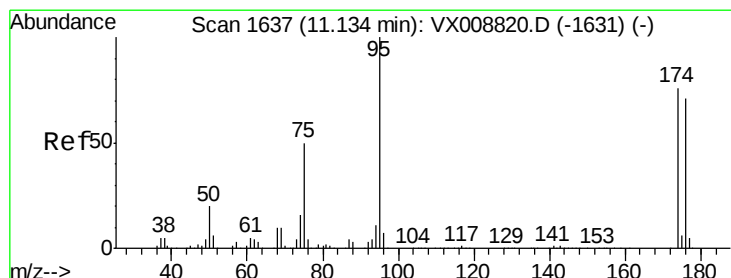
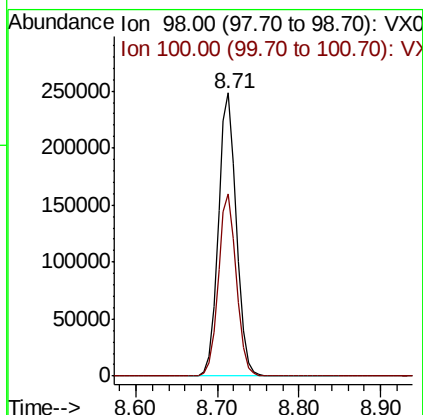
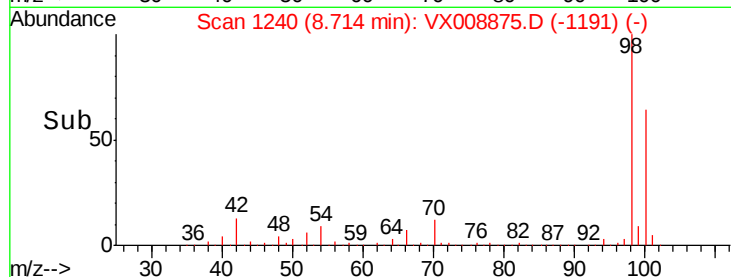
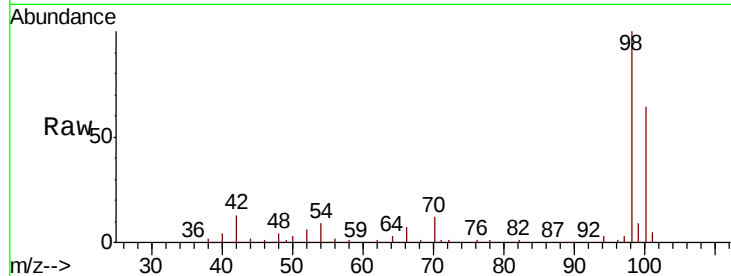
VX0412WBL01

Tot Ion: 98 Resp: 383544

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 45.770 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008875.D

Acq: 12 Apr 2019 10:51

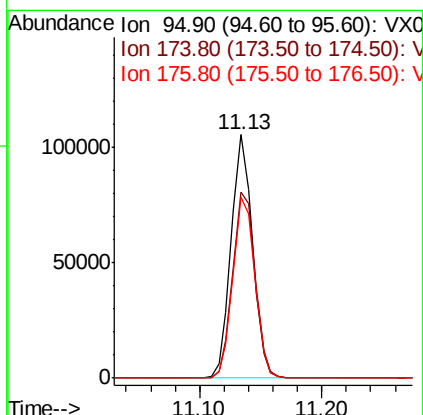
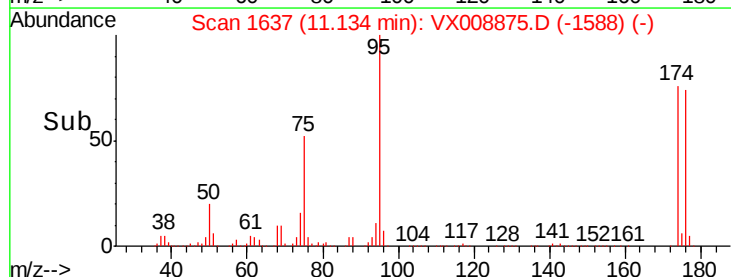
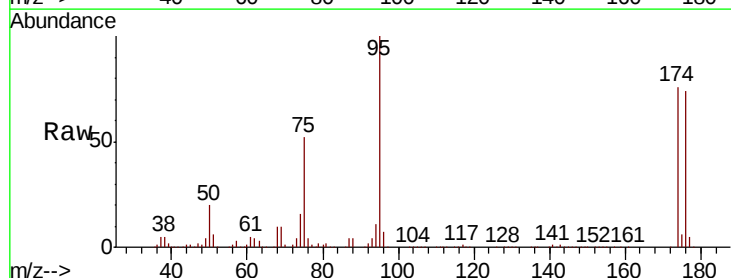
Tgt Ion: 95 Resp: 127280

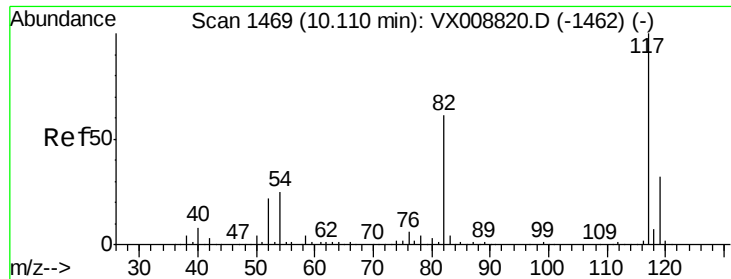
Ion Ratio Lower Upper

95 100

174 80.3 0.0 151.8

176 76.7 0.0 145.8

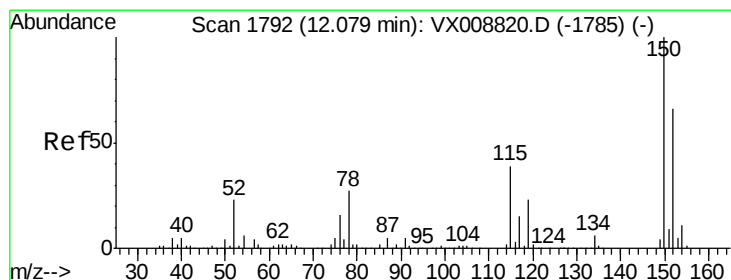
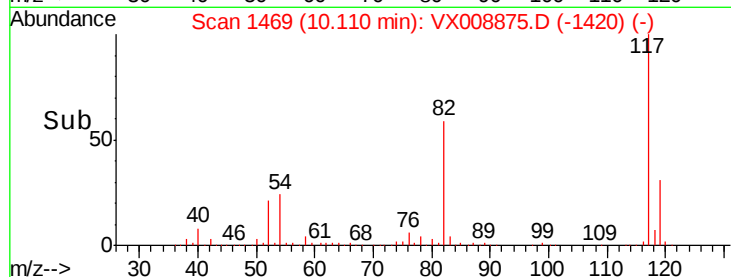
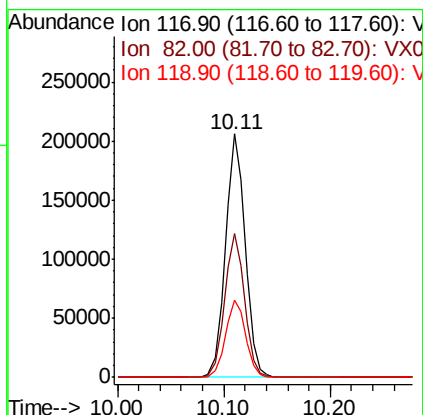
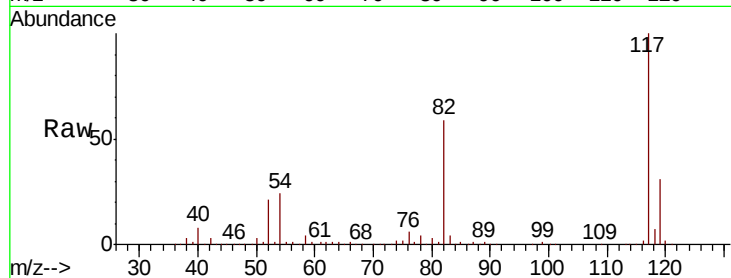




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008875.D
Acq: 12 Apr 2019 10:51

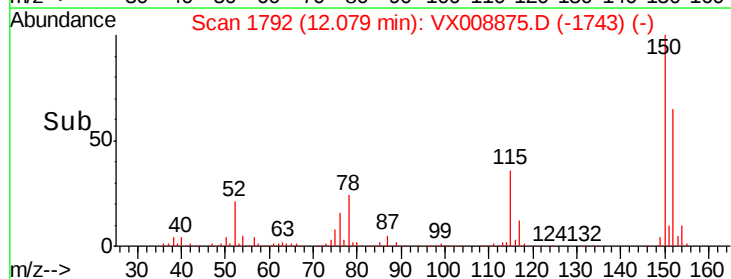
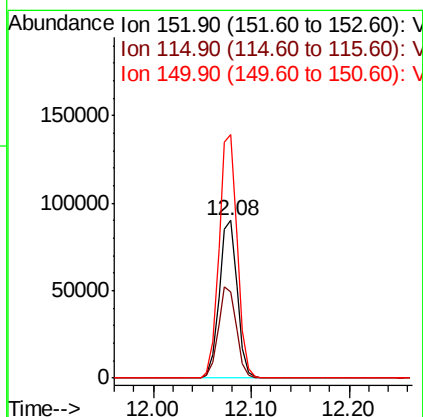
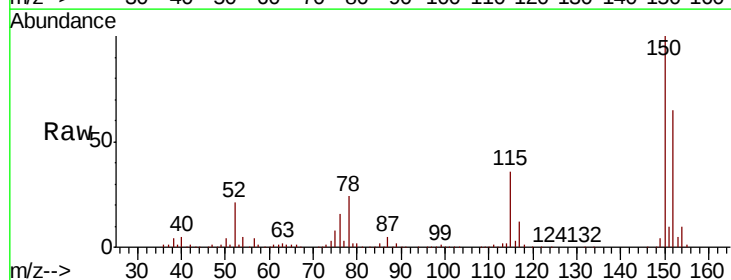
Instrument :
MSVOA_X
ClientSampleId :
VX0412WBL01

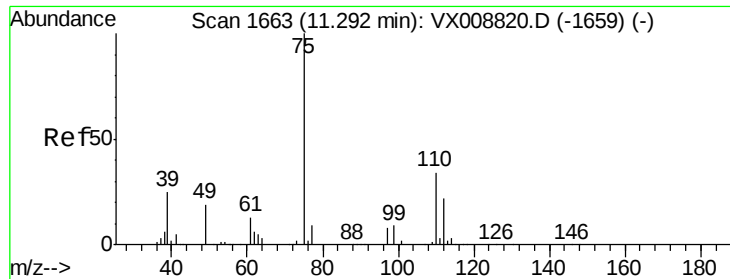
Tot Ion:117 Resp: 266840
Ion Ratio Lower Upper
117 100
82 59.1 49.6 74.4
119 31.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008875.D
Acq: 12 Apr 2019 10:51

Tgt Ion:152 Resp: 113799
Ion Ratio Lower Upper
152 100
115 58.2 43.5 130.5
150 156.3 0.0 348.8

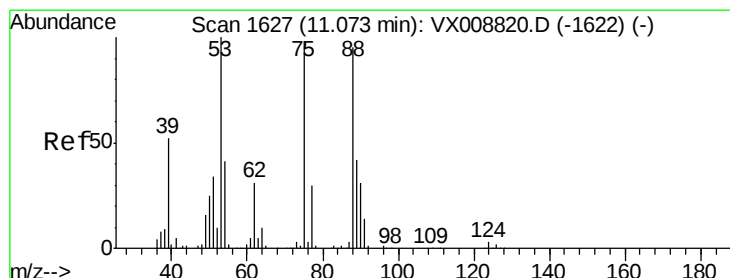
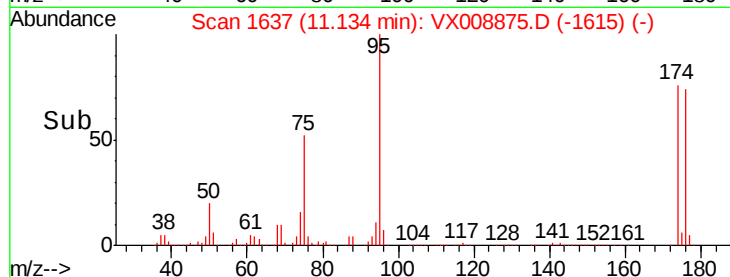
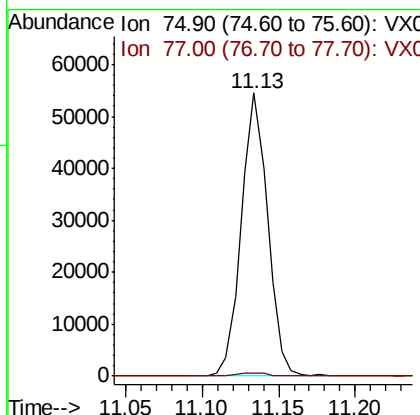
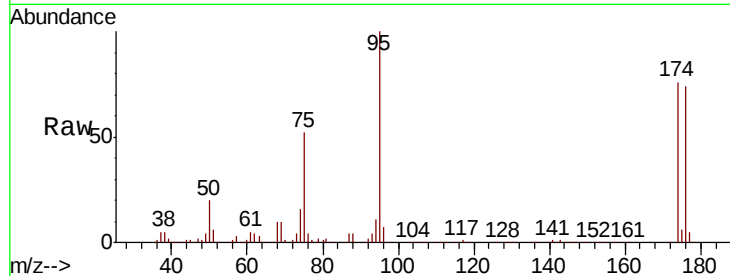




#76
 1,2,3-Trichloropropane
 Concen: 20.862 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008875.D
 Acq: 12 Apr 2019 10:51

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0412WBL01

Tot Ion: 75 Resp: 65218
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.507 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008875.D
 Acq: 12 Apr 2019 10:51

Tgt Ion: 75 Resp: 65218
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.3 121.9#
 89 0.0 35.6 53.4#

