

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008976.D
 Acq On : 16 Apr 2019 10:38
 Operator : JC/SP
 Sample : VX0416WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0416WBL01

Quant Time: Apr 17 04:14:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	238959	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.85	114	377853	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138099	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	153880	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
35) Dibromofluoromethane	5.49	113	114107	47.06	ug/l	0.00
Spiked Amount			Recovery	=	94.12%	
50) Toluene-d8	8.71	98	471234	48.73	ug/l	0.00
Spiked Amount			Recovery	=	97.46%	
62) 4-Bromofluorobenzene	11.13	95	154304	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

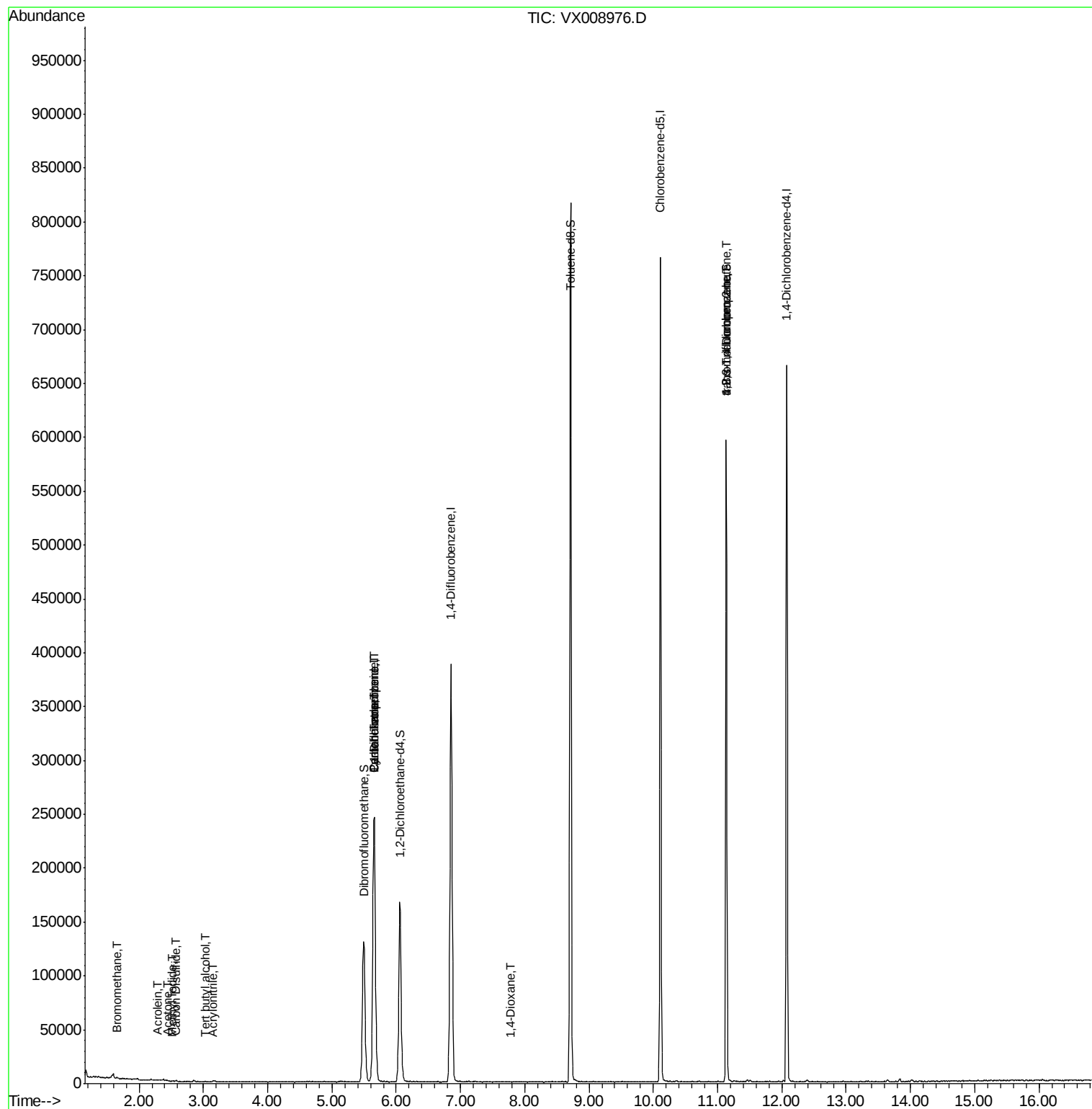
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	571	4.104	ug/l #	67
10) Methyl Iodide	2.52	142	408	4.553	ug/l #	90
11) Tert butyl alcohol	3.04	59	195	0.261	ug/l #	61
13) Acrolein	2.29	56	288	0.446	ug/l #	74
15) Acrylonitrile	3.14	53	669	0.353	ug/l	88
16) Acetone	2.44	43	850	0.487	ug/l #	45
17) Carbon Disulfide	2.57	76	1474	1.443	ug/l #	79
28) Bromochloromethane	5.02	49	106	Below Cal	#	21
31) Cyclohexane	5.65	56	5166	0.963	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	18600	4.760	ug/l #	50
38) Carbon Tetrachloride	5.66	117	21848	6.595	ug/l #	18
49) 1,4-Dioxane	7.79	88	19	0.254	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	79681	23.629	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79681	60.663	ug/l #	11

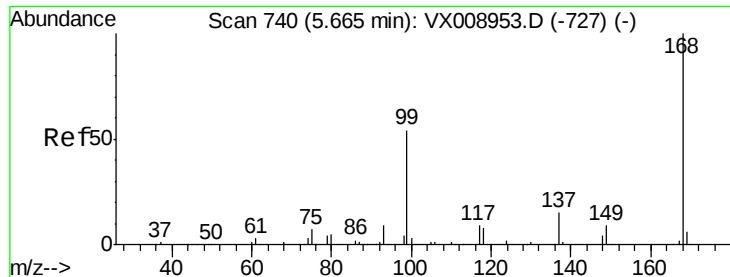
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

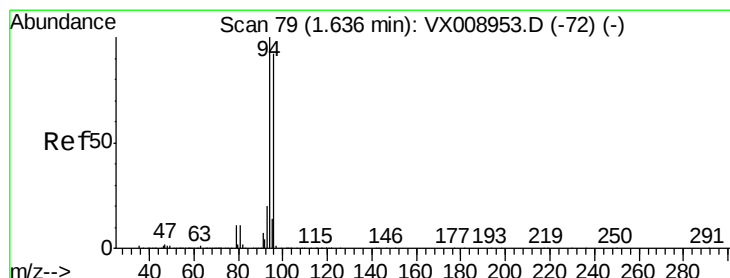
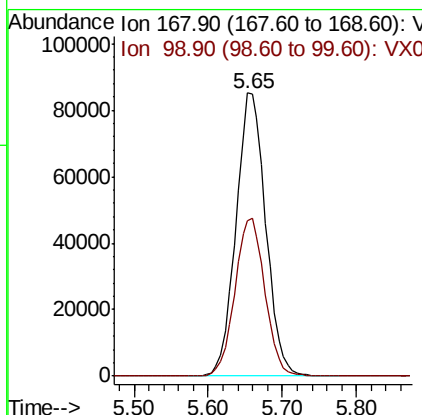
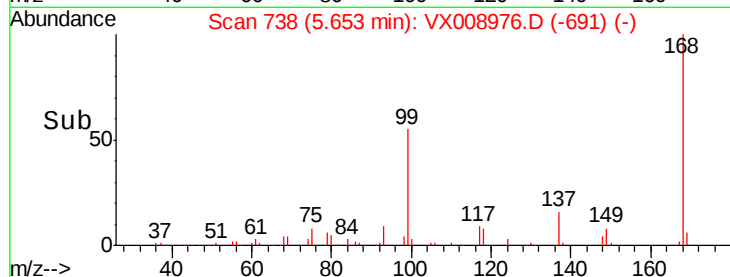
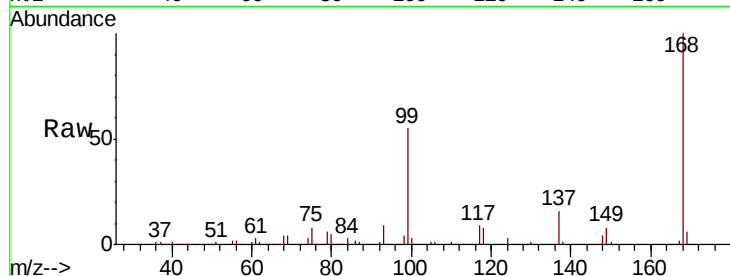
VX0416WBL01

Tot Ion:168 Resp: 238959

Ion Ratio Lower Upper

168 100

99 55.0 43.0 64.6



#5

Bromomethane

Concen: 4.104 ug/l

RT: 1.67 min Scan# 84

Delta R.T. 0.03 min

Lab File: VX008976.D

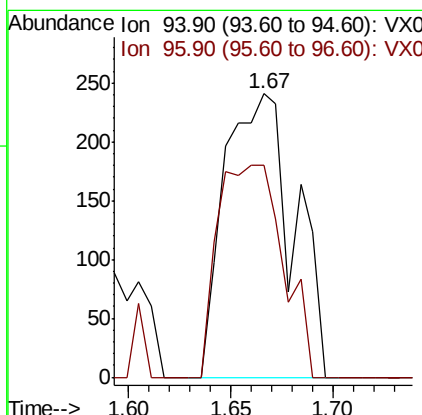
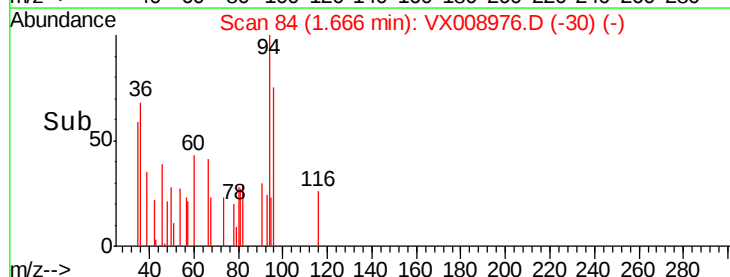
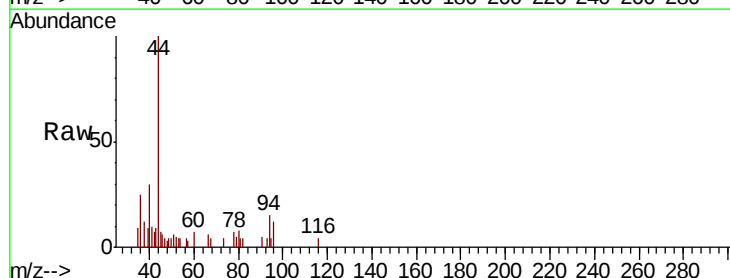
Acq: 16 Apr 2019 10:38

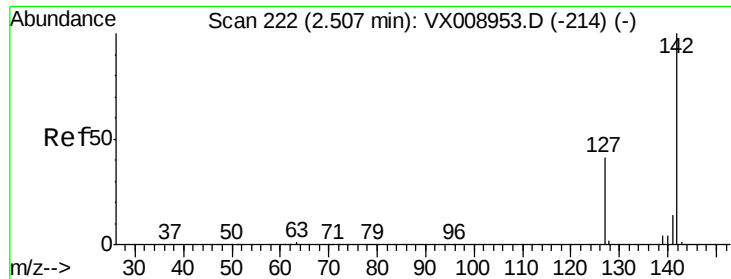
Tgt Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

96 60.8 73.9 110.9#

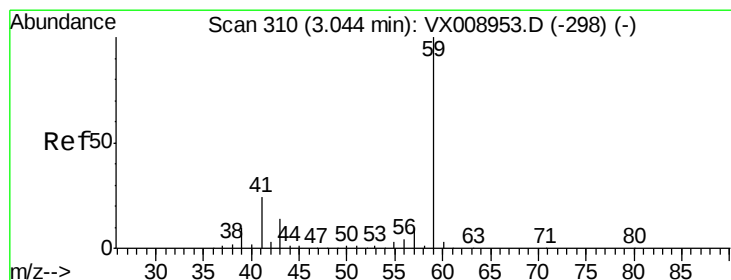
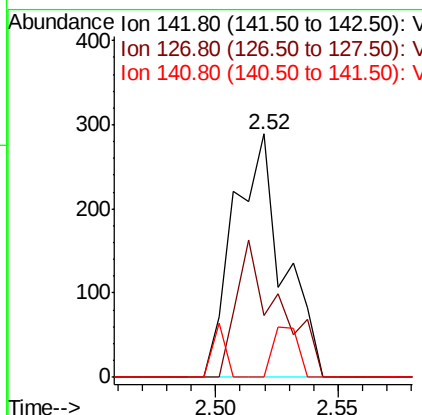
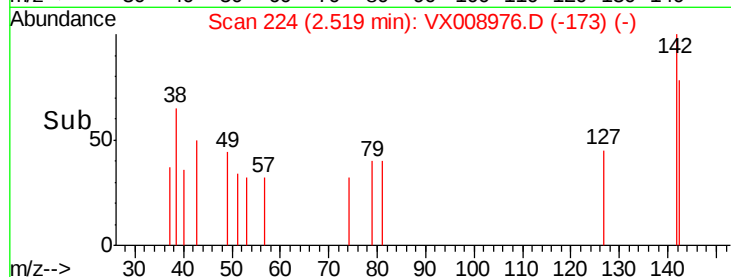
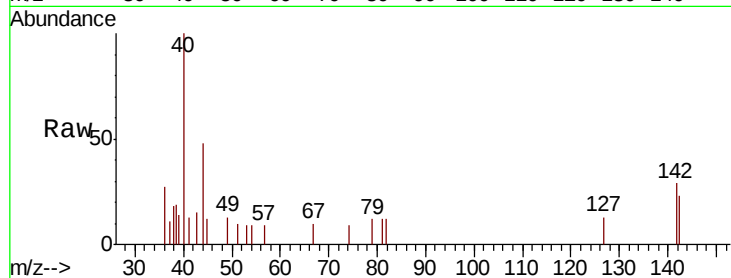




#10
Methvl Iodide
Concen: 4.553 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008976.D
Acq: 16 Apr 2019 10:38

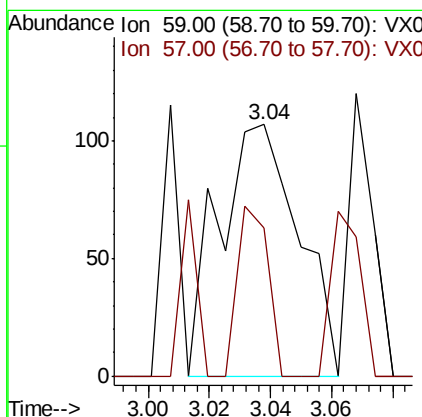
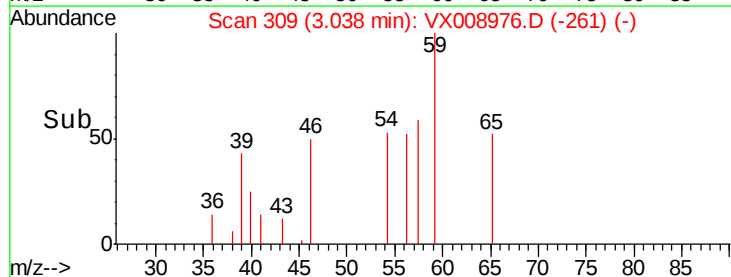
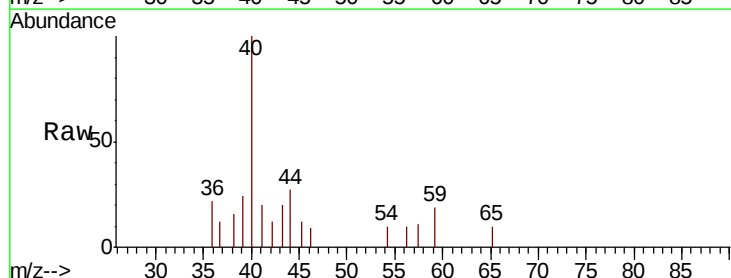
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

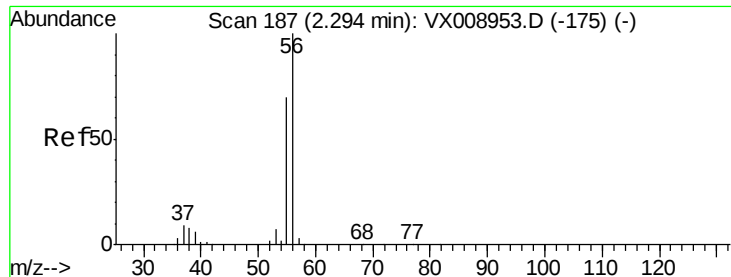
Tot Ion:142 Resp: 408
Ion Ratio Lower Upper
142 100
127 47.5 32.8 49.2
141 10.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.261 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX008976.D
Acq: 16 Apr 2019 10:38

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 25.1 8.4 12.6#





#13

Acrolein

Concen: 0.446 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

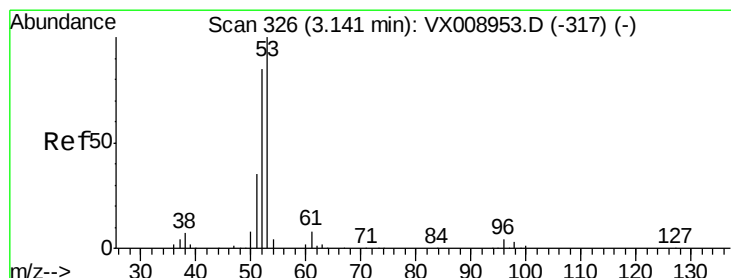
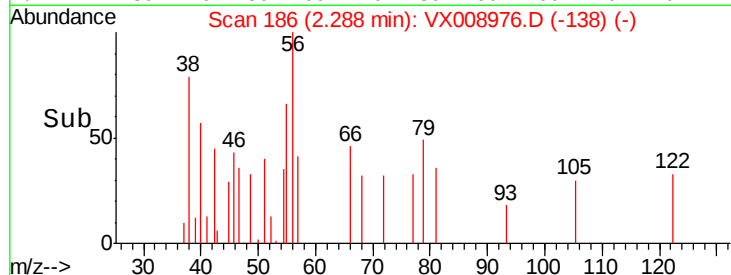
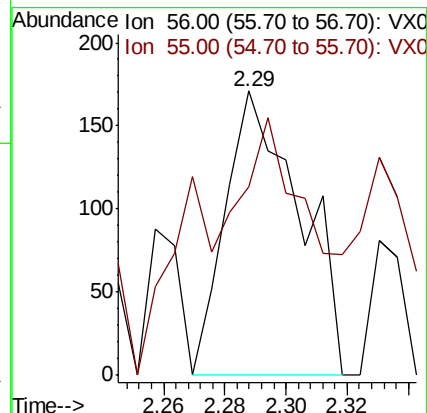
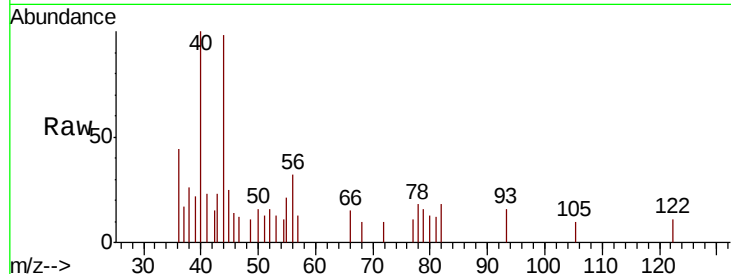
VX0416WBL01

Tot Ion: 56 Resp: 288

Ion Ratio Lower Upper

56 100

55 92.4 56.6 84.8#



#15

Acrylonitrile

Concen: 0.353 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

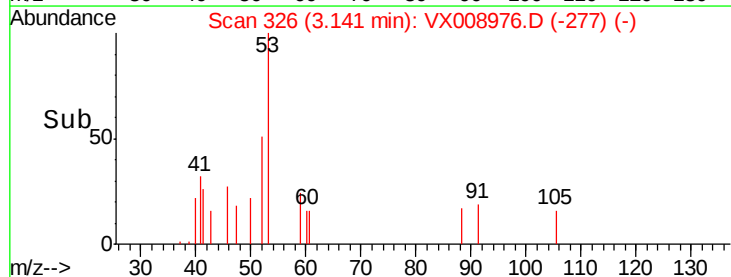
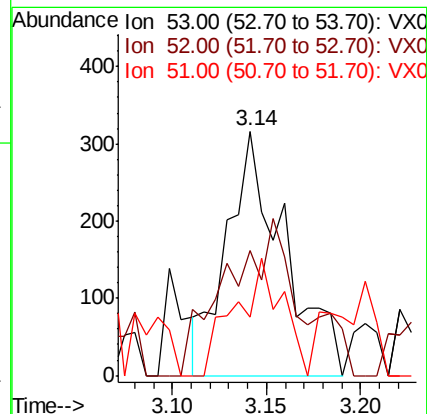
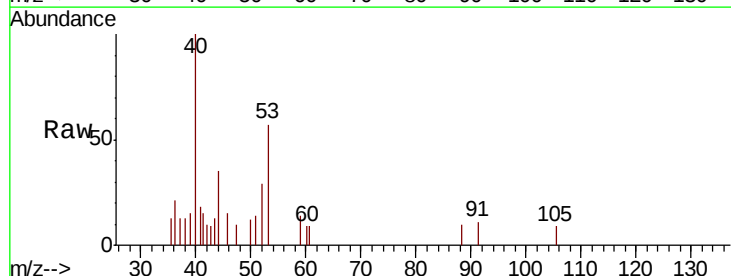
Tgt Ion: 53 Resp: 669

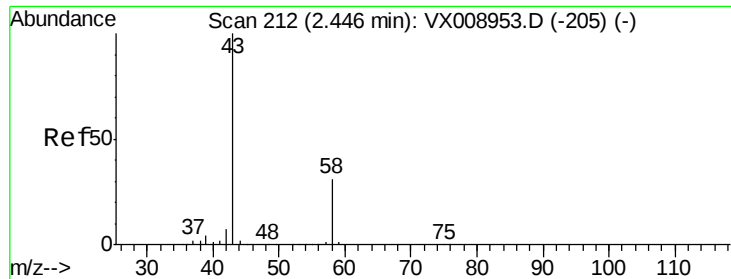
Ion Ratio Lower Upper

53 100

52 71.2 66.6 100.0

51 39.5 28.3 42.5





#16

Acetone

Concen: 0.487 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

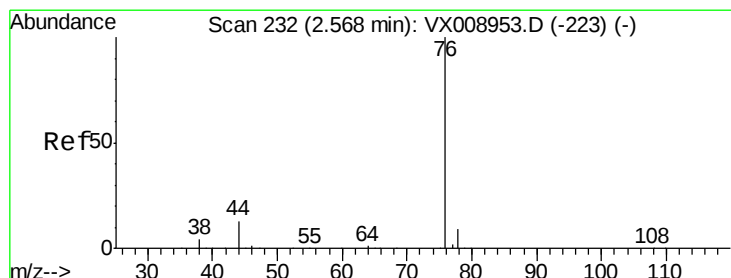
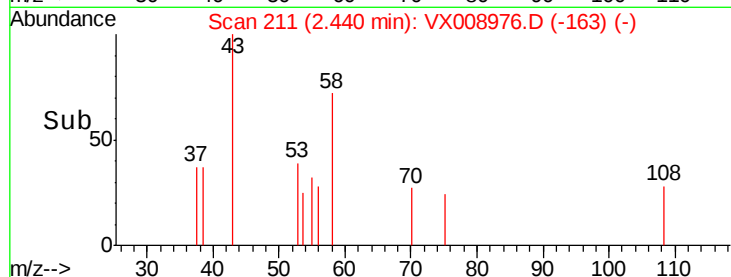
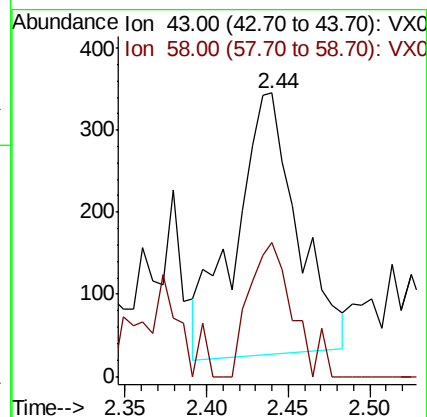
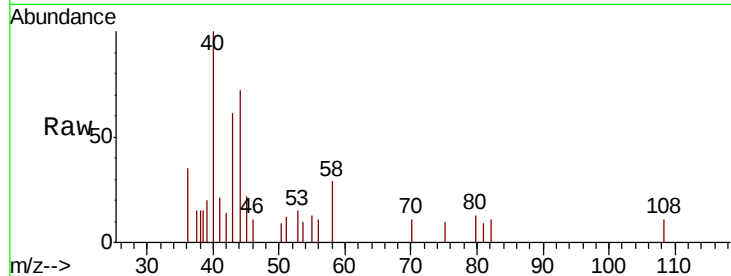
VX0416WBL01

Tot Ion: 43 Resp: 850

Ion Ratio Lower Upper

43 100

58 61.0 24.8 37.2#



#17

Carbon Disulfide

Concen: 1.443 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008976.D

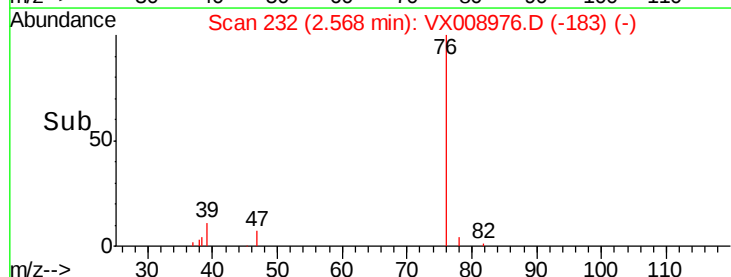
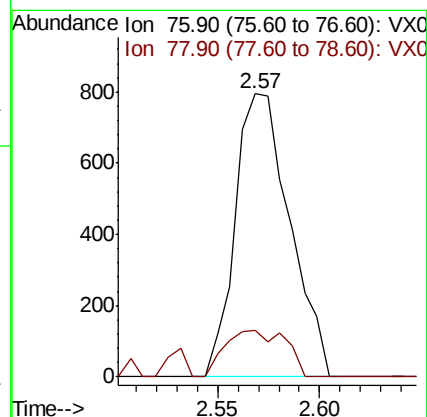
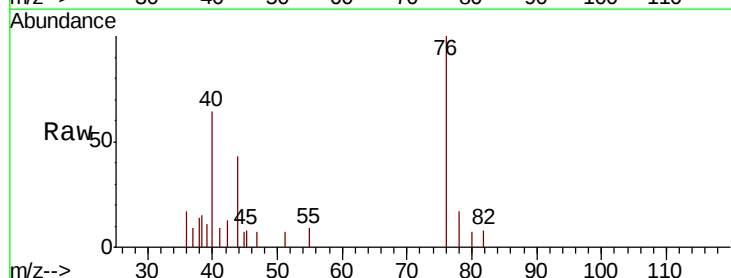
Acq: 16 Apr 2019 10:38

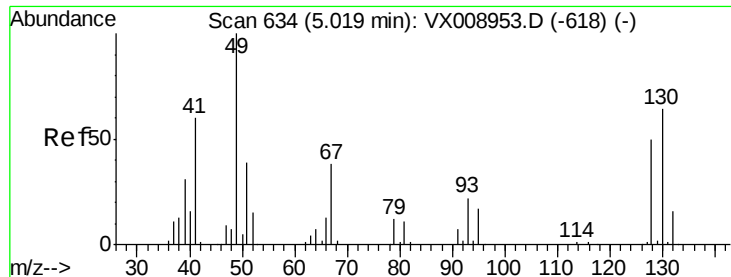
Tgt Ion: 76 Resp: 1474

Ion Ratio Lower Upper

76 100

78 16.6 7.2 10.8#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBL01

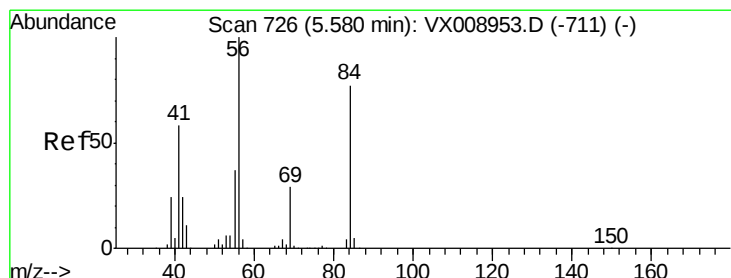
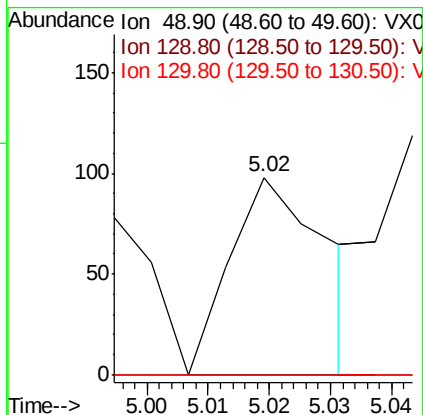
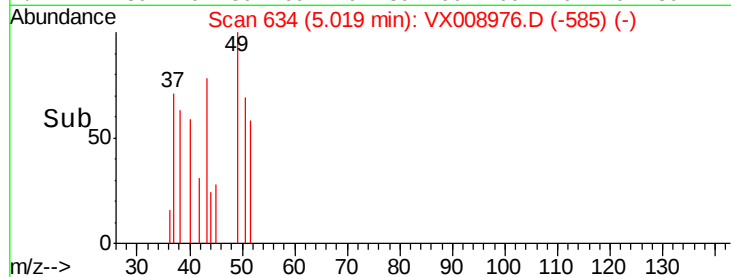
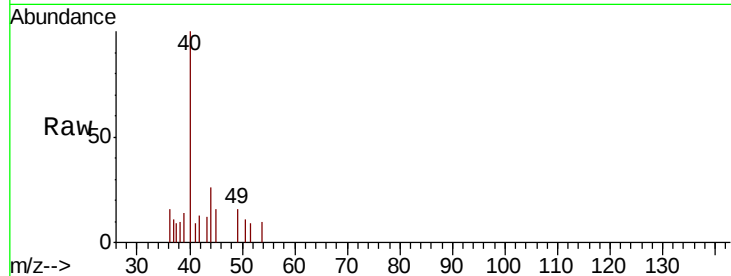
Tot Ion: 49 Resp: 106

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 50.4 75.6#



#31

Cyclohexane

Concen: 0.963 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

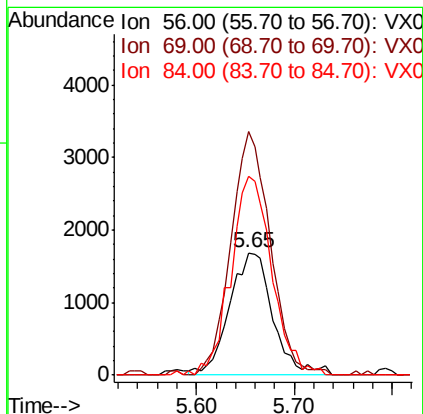
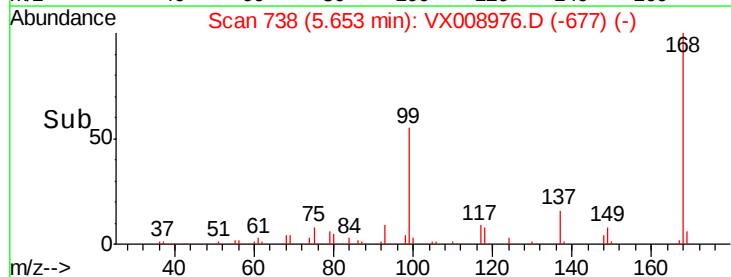
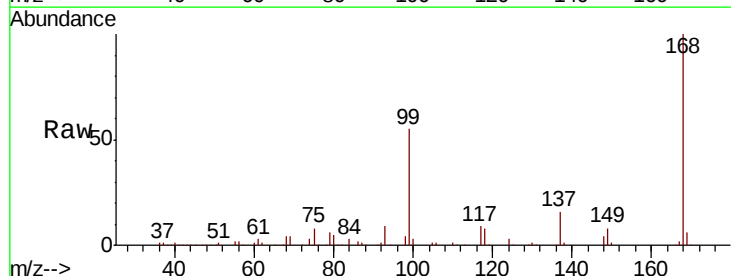
Tgt Ion: 56 Resp: 5166

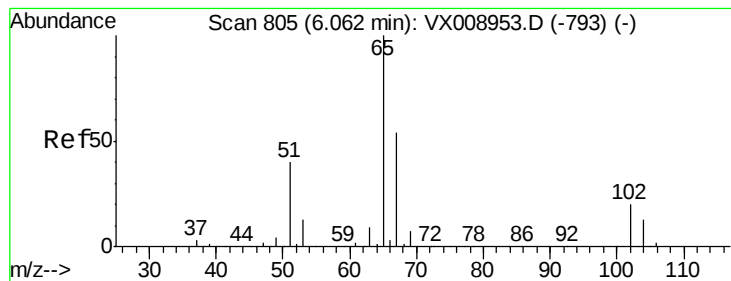
Ion Ratio Lower Upper

56 100

69 199.2 23.3 34.9#

84 162.7 61.7 92.5#





#33

1,2-Dichloroethane-d4

Concen: 45.694 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

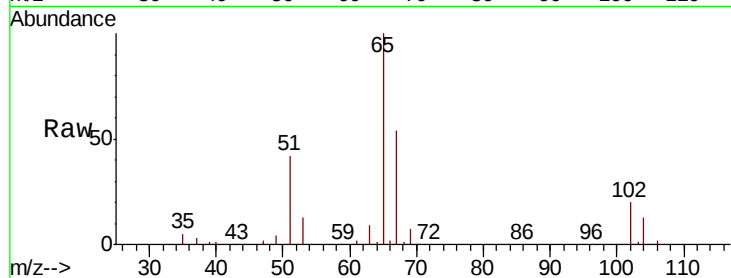
VX0416WBL01

Tot Ion: 65 Resp: 153880

Ion Ratio Lower Upper

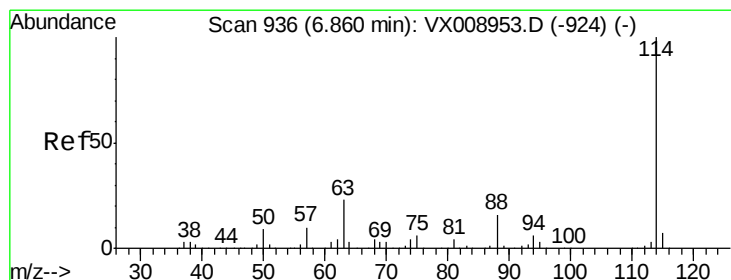
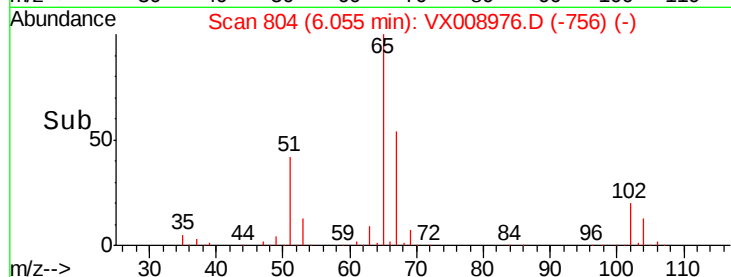
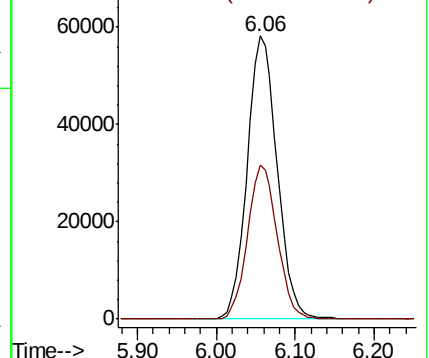
65 100

67 53.8 0.0 108.6



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: VX008976.D

Acq: 16 Apr 2019 10:38

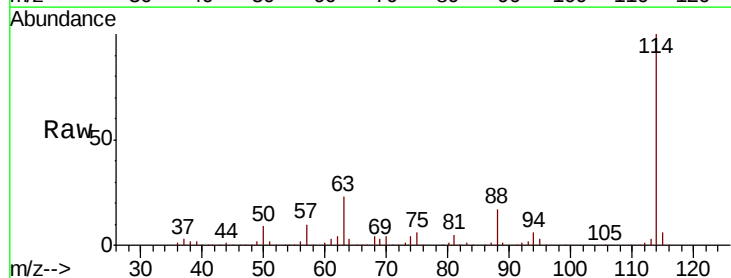
Tgt Ion: 114 Resp: 377853

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.0

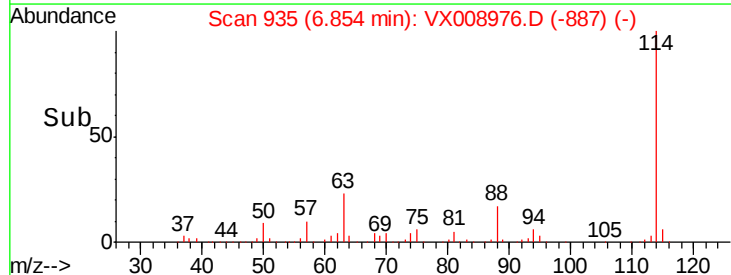
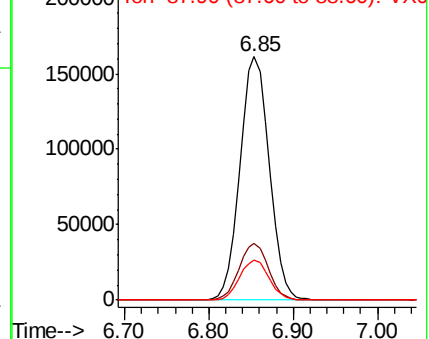
88 16.6 0.0 32.6

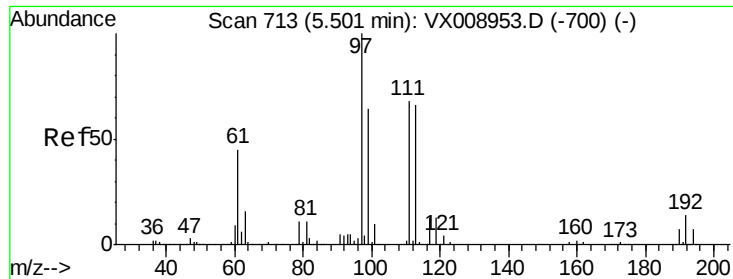


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

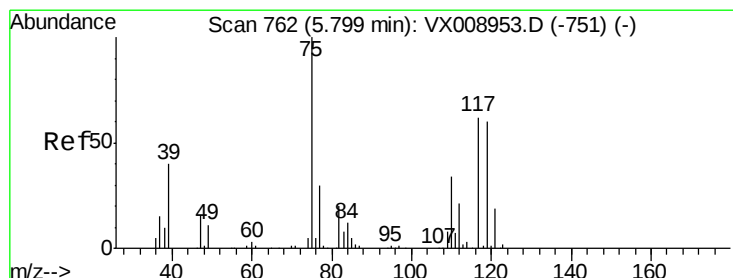
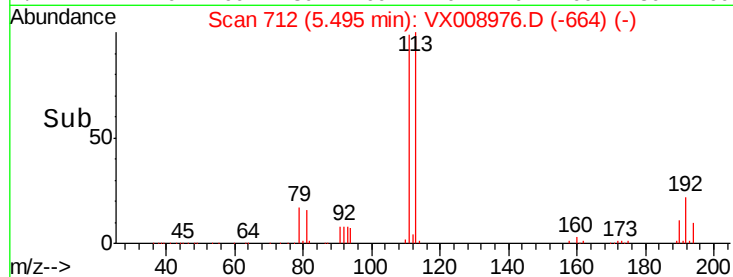
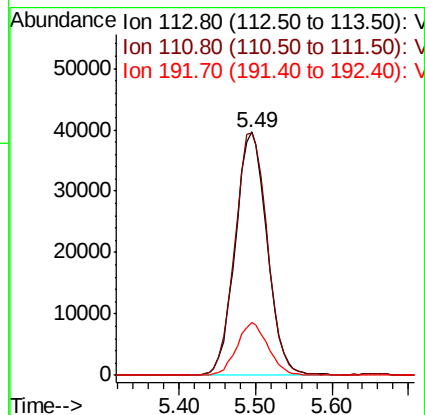
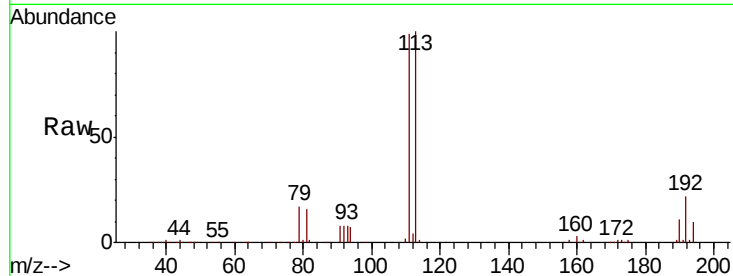




#35
 Dibromofluoromethane
 Concen: 47.055 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008976.D
 Acq: 16 Apr 2019 10:38

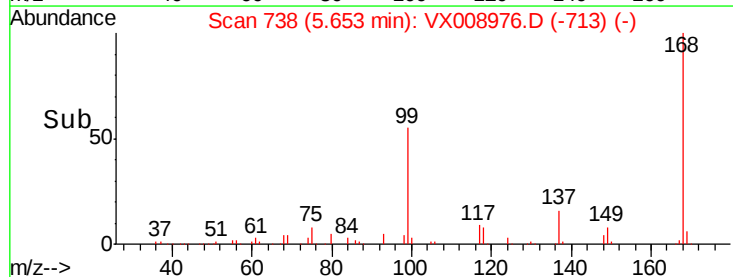
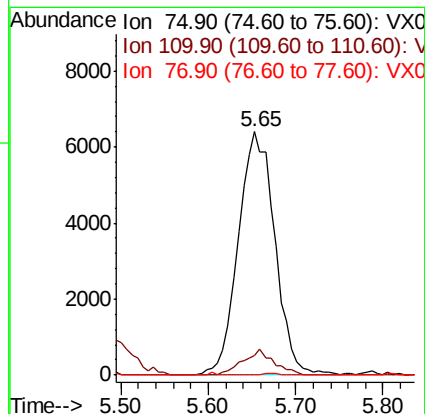
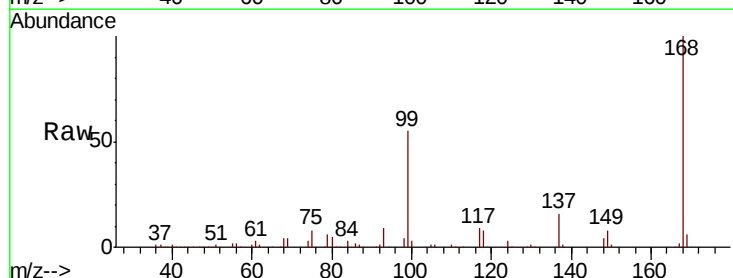
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 VX0416WBL01

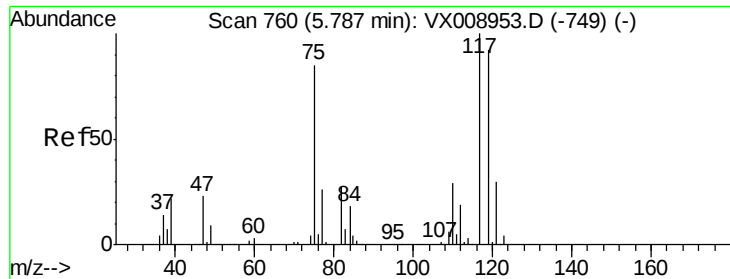
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	21.4	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.760 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008976.D
 Acq: 16 Apr 2019 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.9	50.7#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.595 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX0416WBL01

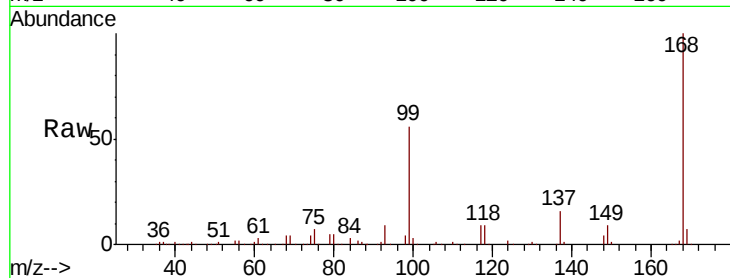
Tot Ion:117 Resp: 21848

Ion Ratio Lower Upper

117 100

119 5.3 73.8 110.8#

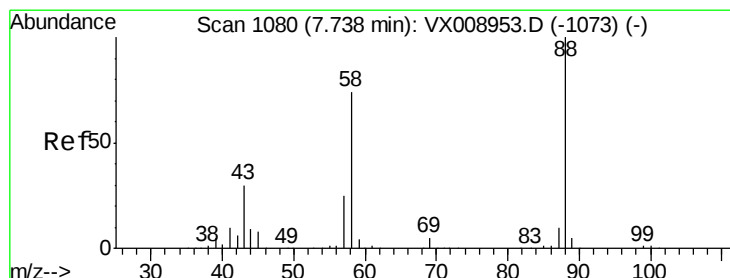
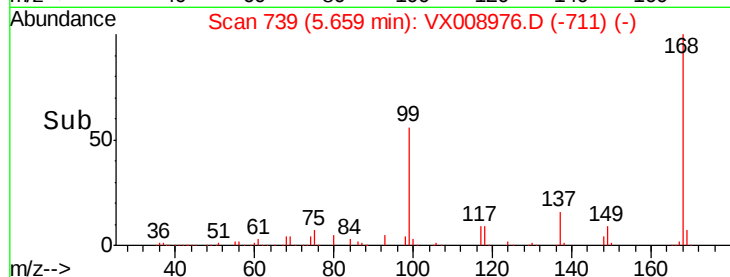
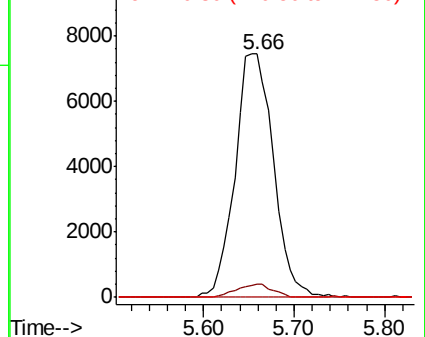
121 0.0 23.6 35.4#



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: 0.254 ug/l

RT: 7.79 min Scan# 1088

Delta R.T. 0.05 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

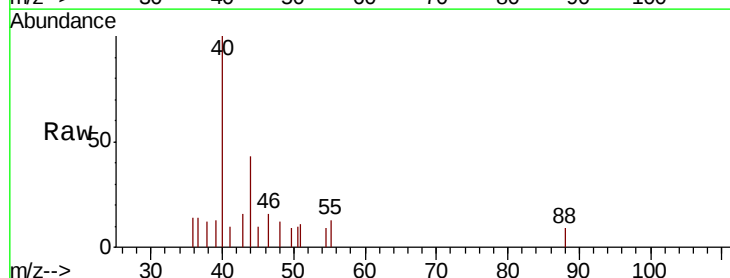
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 300.0 29.3 43.9#

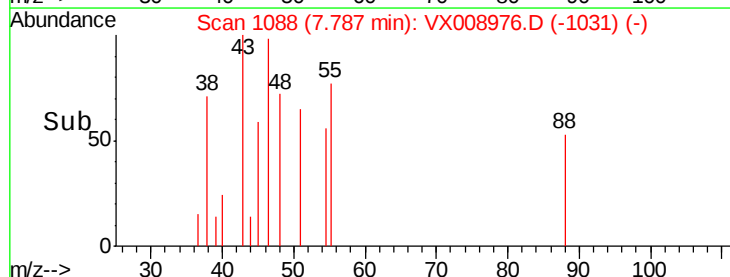
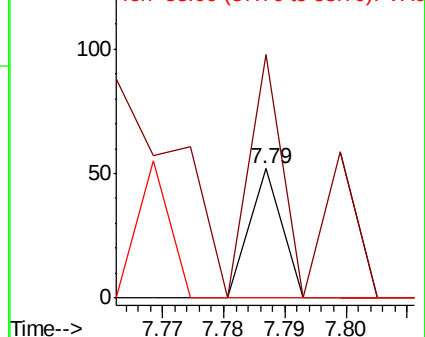
58 105.3 62.6 93.8#

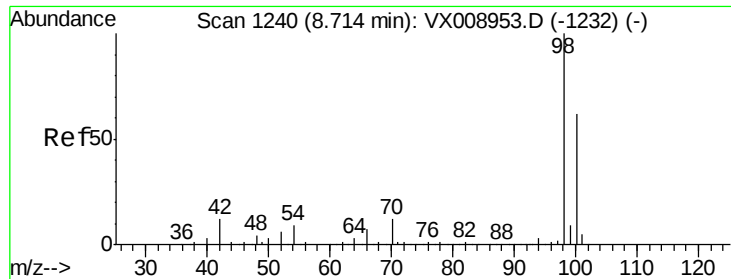


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

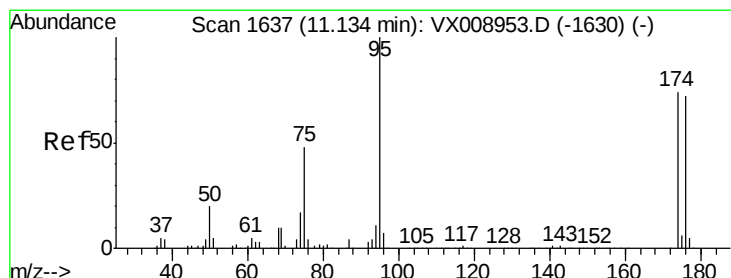
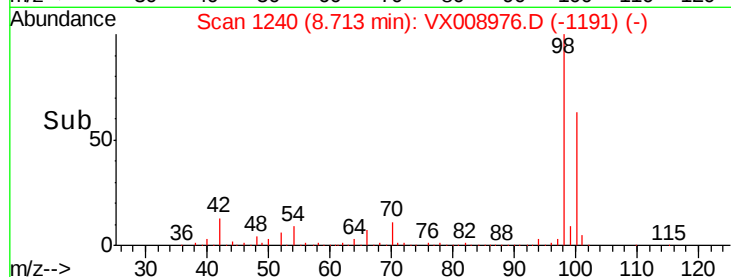
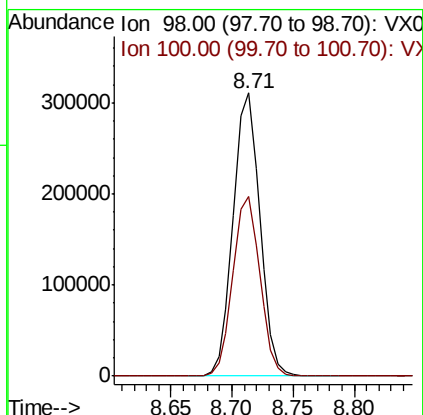
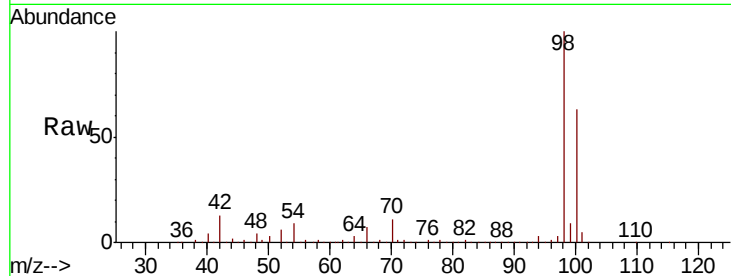




#50
Toluene-d8
Concen: 48.727 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008976.D
Acq: 16 Apr 2019 10:38

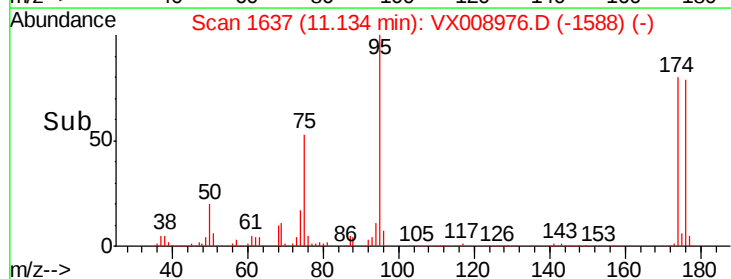
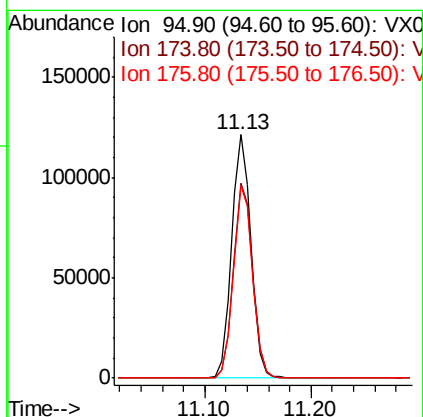
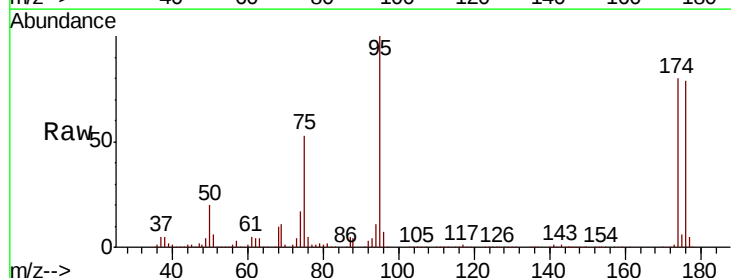
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

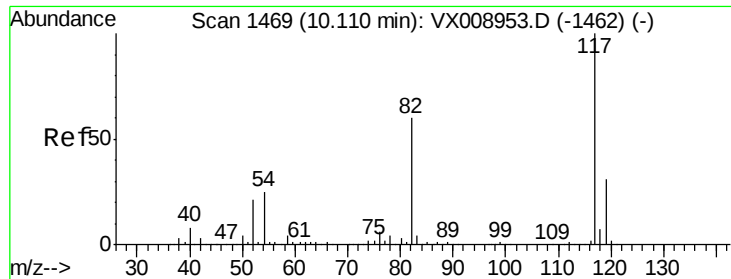
Tot Ion: 98 Resp: 471234
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.199 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008976.D
Acq: 16 Apr 2019 10:38

Tgt Ion: 95 Resp: 154304
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.6
176 78.6 0.0 154.8

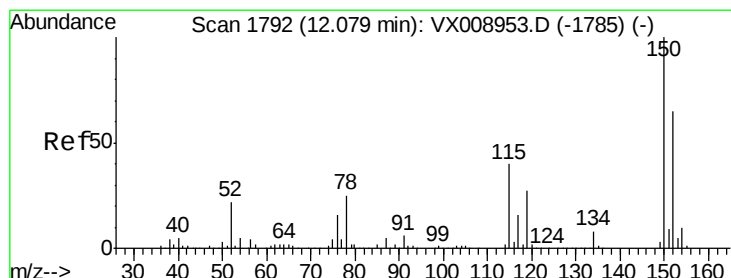
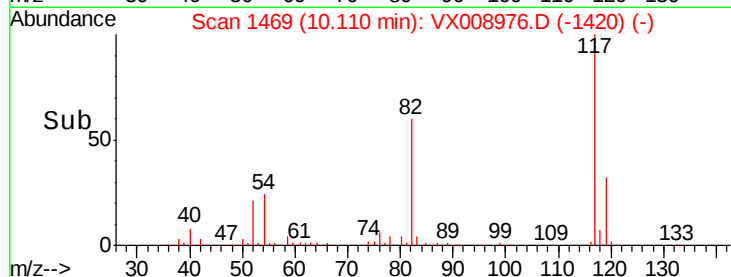
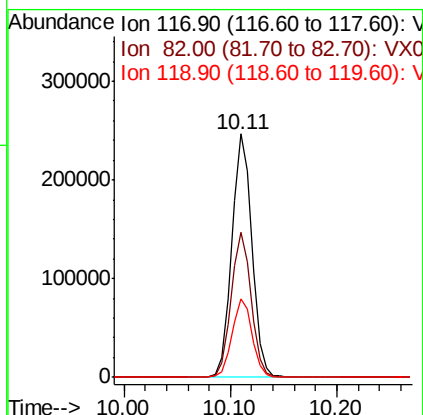
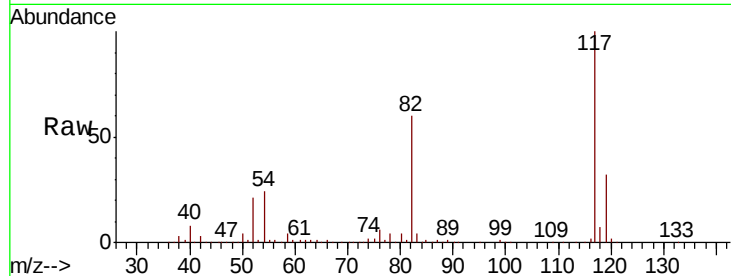




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008976.D
Acq: 16 Apr 2019 10:38

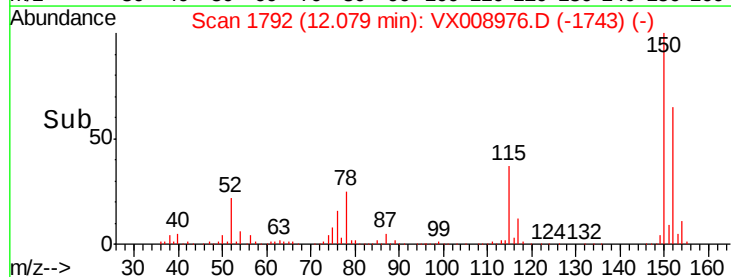
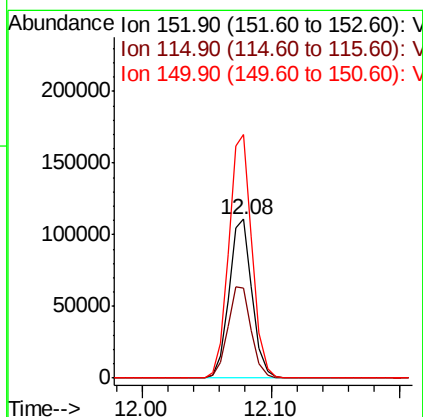
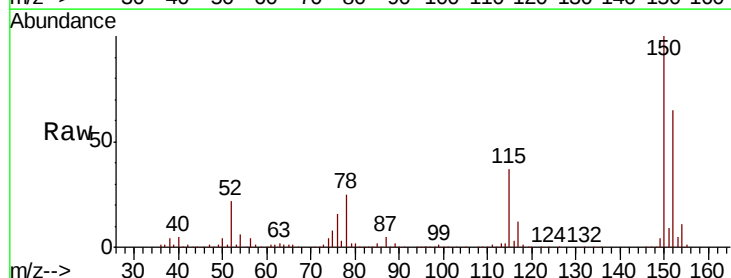
Instrument :
MSVOA_X
ClientSampleId :
VX0416WBL01

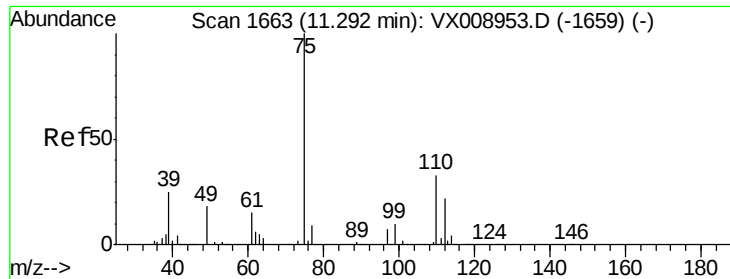
Tot Ion:117 Resp: 327500
Ion Ratio Lower Upper
117 100
82 59.7 48.2 72.4
119 32.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008976.D
Acq: 16 Apr 2019 10:38

Tgt Ion:152 Resp: 138099
Ion Ratio Lower Upper
152 100
115 58.8 41.4 124.2
150 155.5 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.629 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

Instrument :

MSVOA_X

ClientSampleId :

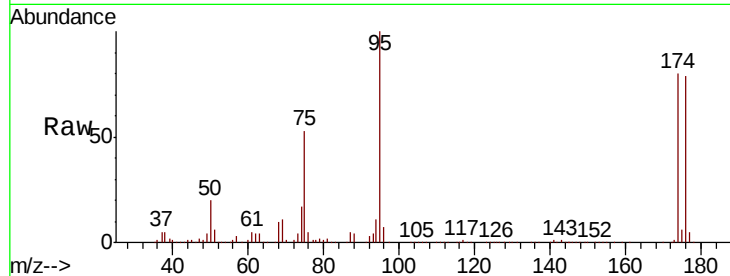
VX0416WBL01

Tot Ion: 75 Resp: 79681

Ion Ratio Lower Upper

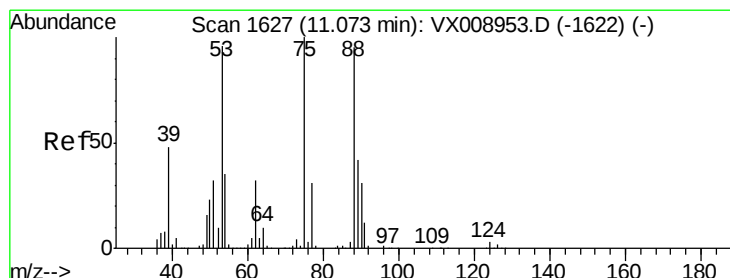
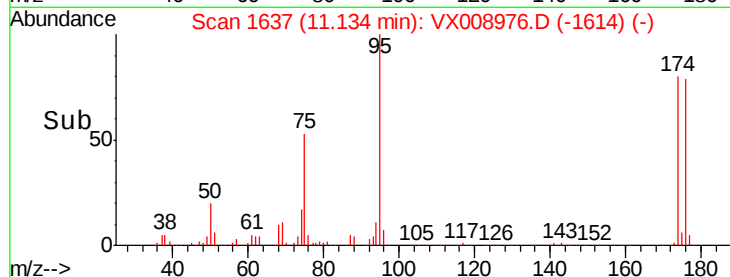
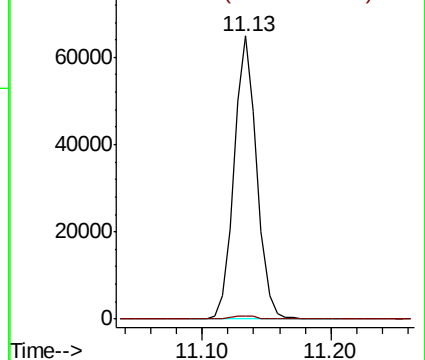
75 100

77 1.3 22.7 68.0#



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: 60.663 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008976.D

Acq: 16 Apr 2019 10:38

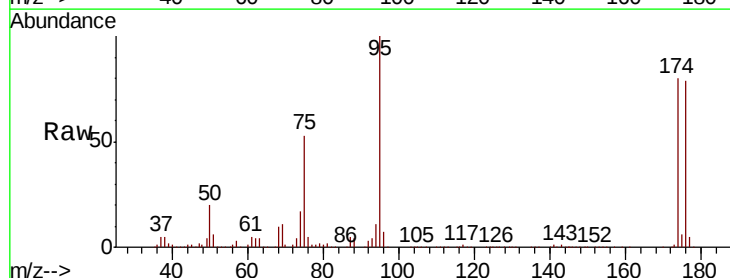
Tgt Ion: 75 Resp: 79681

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#



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

