

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\
 Data File : VX014544.D
 Acq On : 10 Jan 2020 17:55
 Operator : JC/SP
 Sample : L1080-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: Jan 10 23:36:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 15:54:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	482181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	745424	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	677844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	307588	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	269412	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
35) Dibromofluoromethane	5.49	113	225080	49.88	ug/l	0.00
Spiked Amount			Recovery	=	99.76%	
50) Toluene-d8	8.71	98	883071	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	303324	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	

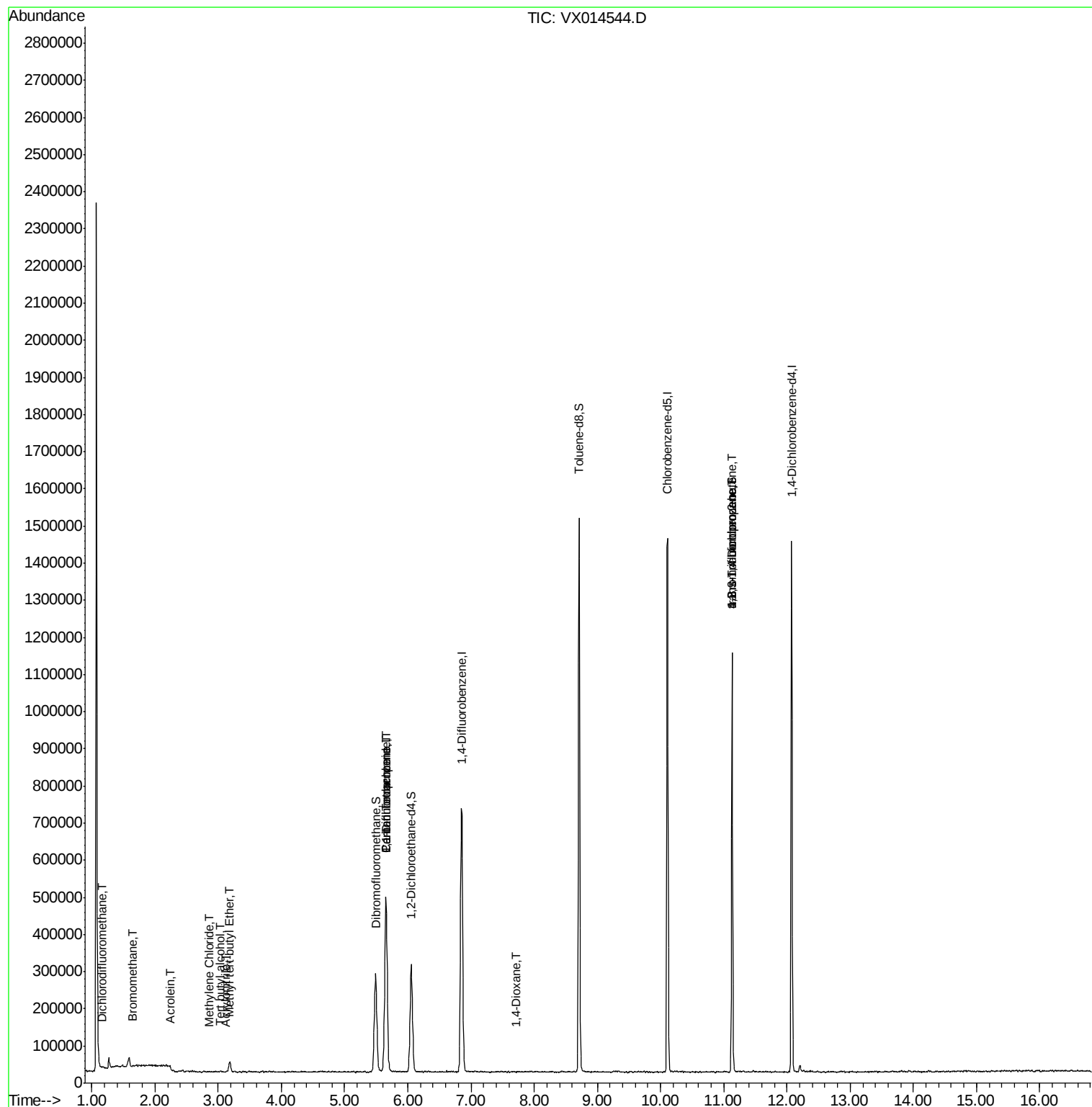
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	281	0.299	ug/l #	54
5) Bromomethane	1.65	94	1246	0.274	ug/l #	71
6) Chloroethane	1.74	64	858	Below Cal	#	81
11) Tert butyl alcohol	3.03	59	1789	1.592	ug/l #	72
13) Acrolein	2.25	56	515	0.572	ug/l	94
15) Acrylonitrile	3.12	53	615	0.227	ug/l #	71
16) Acetone	2.43	43	5007	Below Cal		100
19) Methyl tert-butyl Ether	3.18	73	33757	2.208	ug/l	96
20) Methylene Chloride	2.86	84	1112	0.205	ug/l #	69
36) 1,1-Dichloropropene	5.65	75	32619	4.653	ug/l #	51
38) Carbon Tetrachloride	5.65	117	41243	6.393	ug/l #	18
49) 1,4-Dioxane	7.72	88	210	1.682	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	147494	23.176	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	147494	61.273	ug/l #	12
88) 1,4-Dichlorobenzene	12.09	146	715	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	13.46	180	191	Below Cal		75
96) 1,2,3-Trichlorobenzene	14.02	180	94	Below Cal	#	1

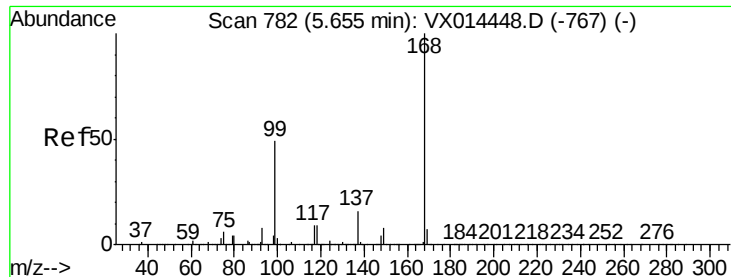
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011020\
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Quant Time: Jan 10 23:36:53 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X010720W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 07 15:54:41 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

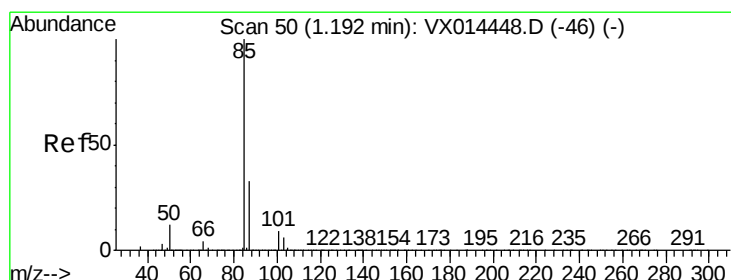
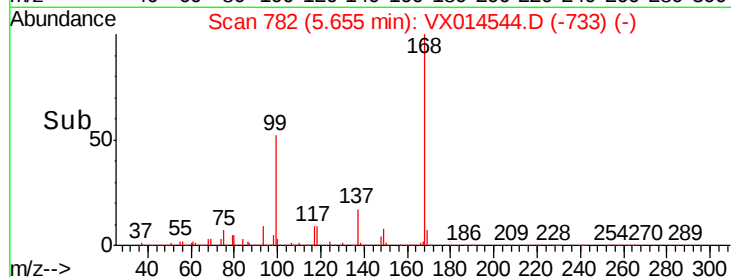
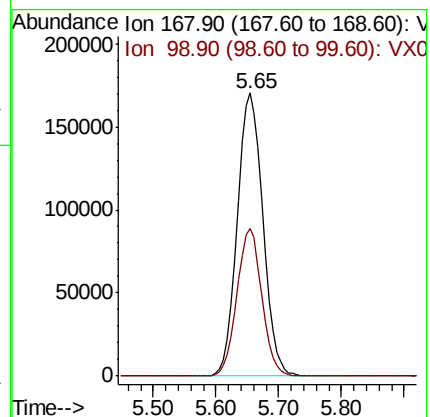
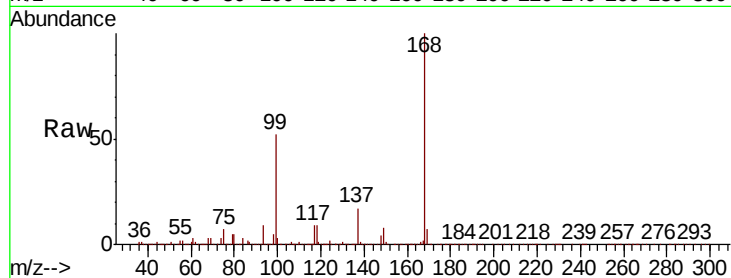
MW-3

Tot Ion:168 Resp: 482181

Ion Ratio Lower Upper

168 100

99 52.0 39.2 58.8



#2

Dichlorodifluoromethane

Concen: 0.299 ug/l

RT: 1.17 min Scan# 47

Delta R.T. -0.02 min

Lab File: VX014544.D

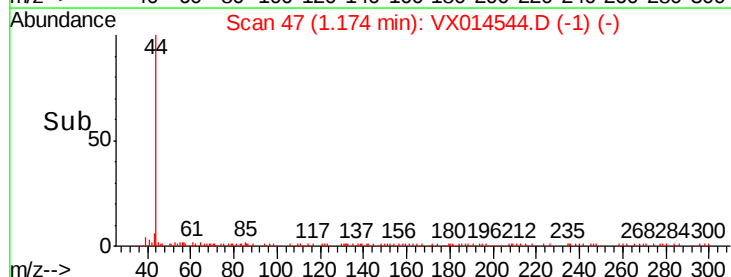
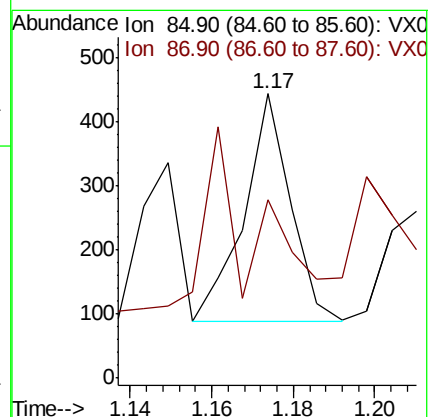
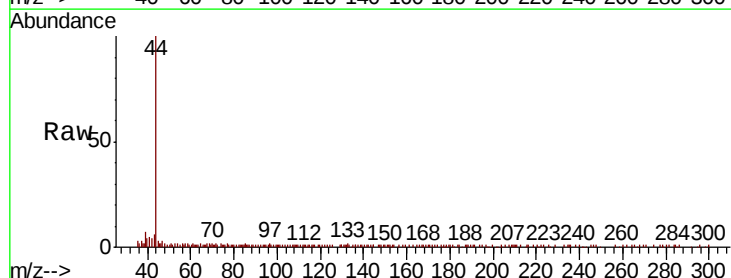
Acq: 10 Jan 2020 17:55

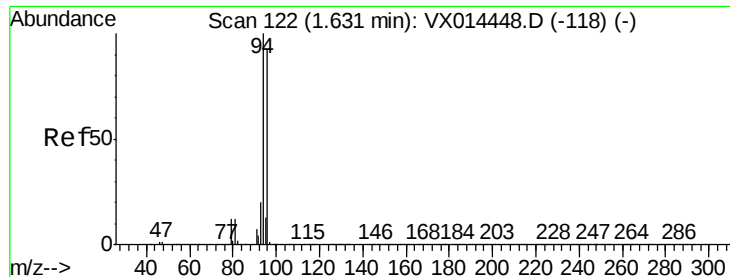
Tgt Ion: 85 Resp: 281

Ion Ratio Lower Upper

85 100

87 6.8 16.5 49.5#





#5

Bromomethane

Concen: 0.274 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

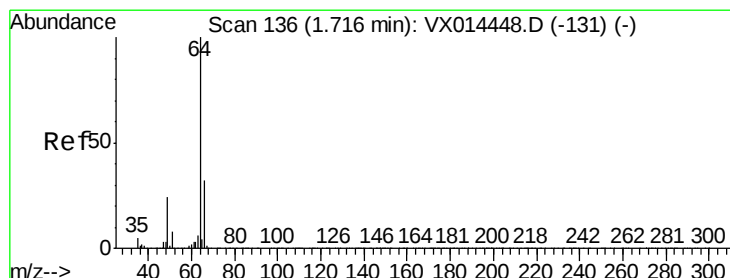
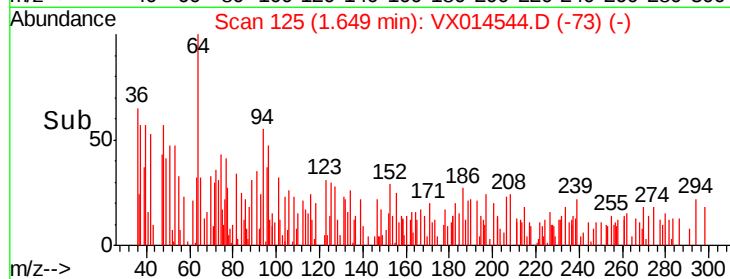
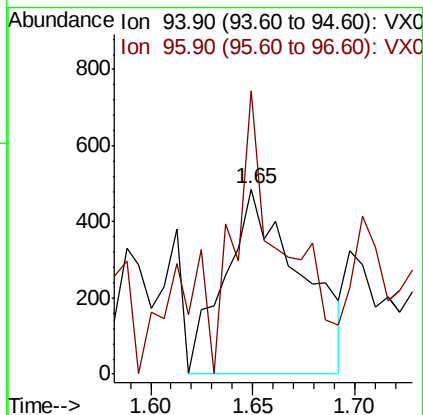
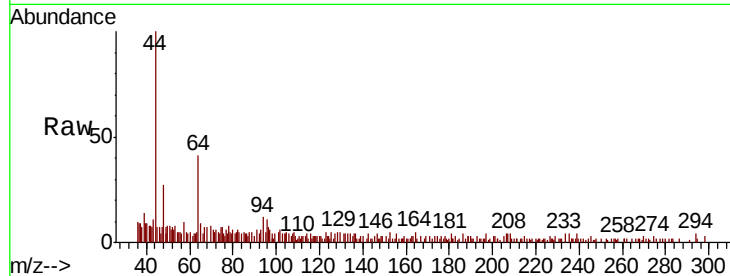
MW-3

Tot Ion: 94 Resp: 1246

Ion Ratio Lower Upper

94 100

96 120.8 74.2 111.2#



#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 140

Delta R.T. 0.02 min

Lab File: VX014544.D

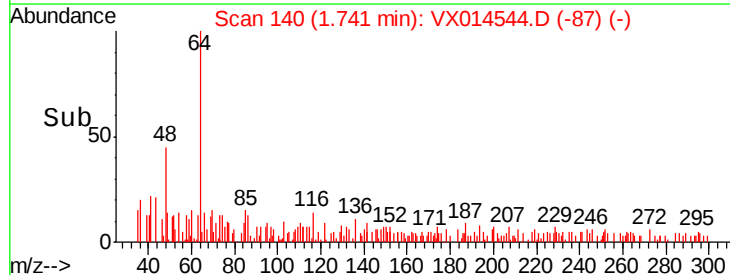
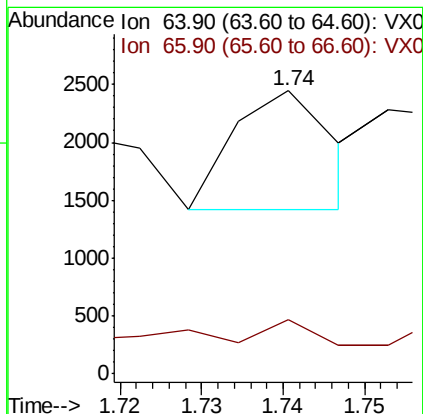
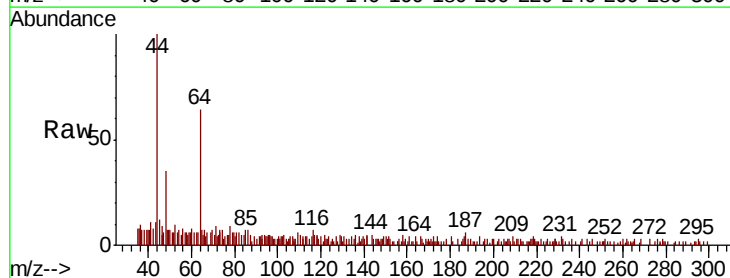
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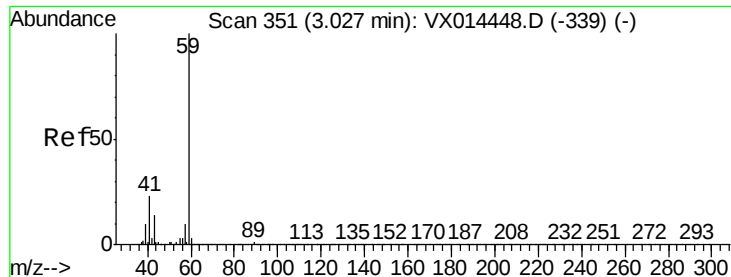
Tgt Ion: 64 Resp: 858

Ion Ratio Lower Upper

64 100

66 20.9 25.3 37.9#



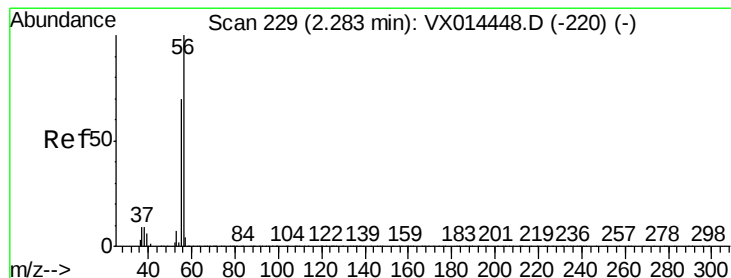
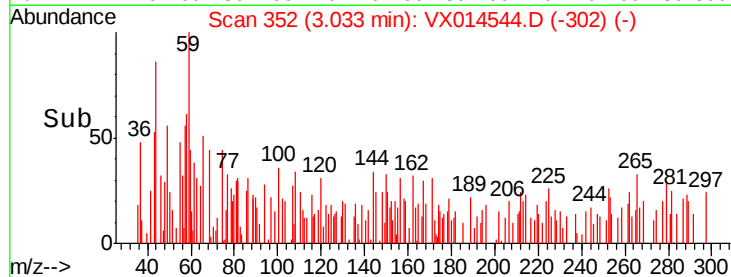
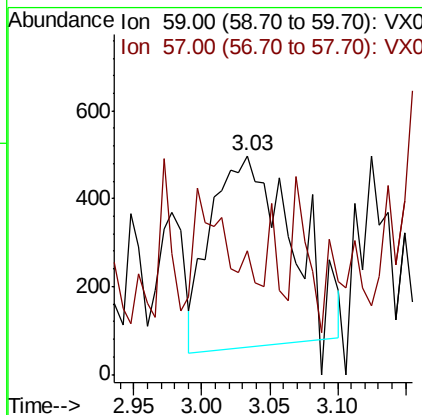
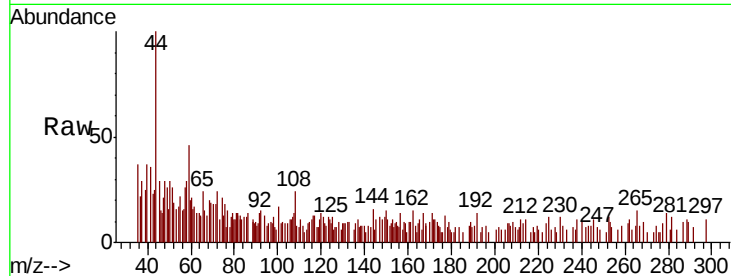


#11

Tert butyl alcohol
 Concen: 1.592 ug/l
 RT: 3.03 min Scan# 352
 Delta R.T. 0.01 min
 Lab File: VX014544.D
 Acq: 10 Jan 2020 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

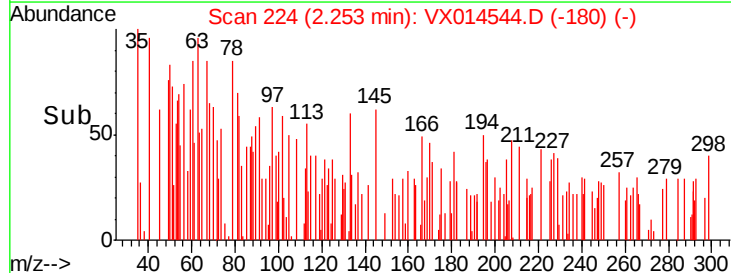
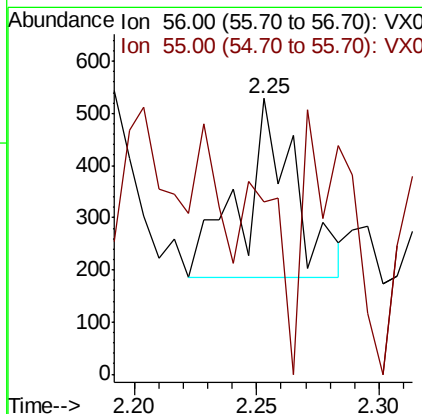
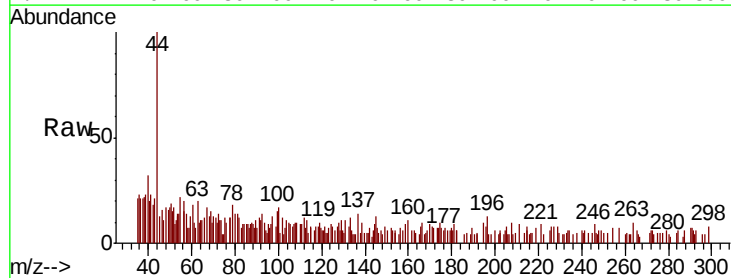
Tot Ion: 59 Resp: 1789
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

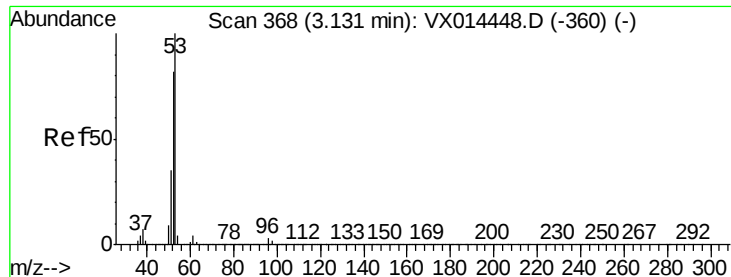


#13

Acrolein
 Concen: 0.572 ug/l
 RT: 2.25 min Scan# 224
 Delta R.T. -0.03 min
 Lab File: VX014544.D
 Acq: 10 Jan 2020 17:55

Tgt Ion: 56 Resp: 515
 Ion Ratio Lower Upper
 56 100
 55 73.8 55.0 82.6





#15

Acrylonitrile

Concen: 0.227 ug/l

RT: 3.12 min Scan# 366

Delta R.T. -0.01 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

MW-3

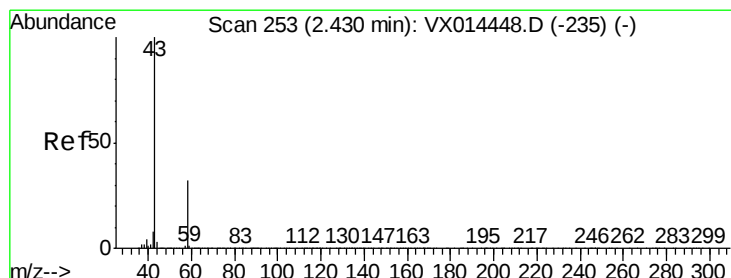
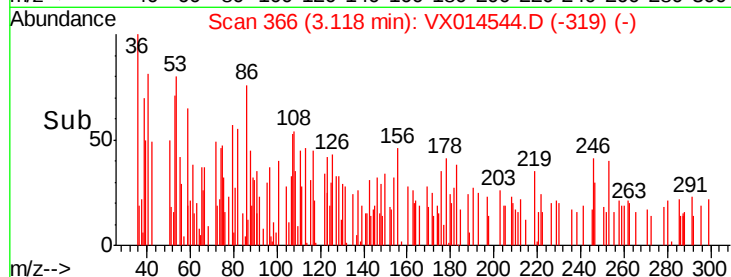
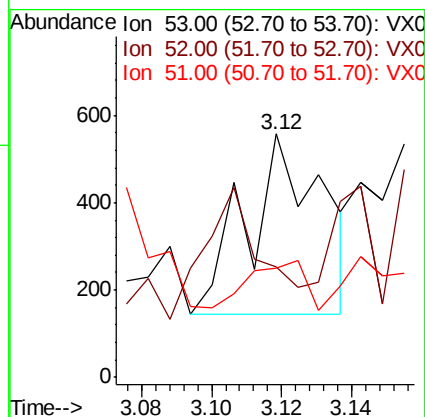
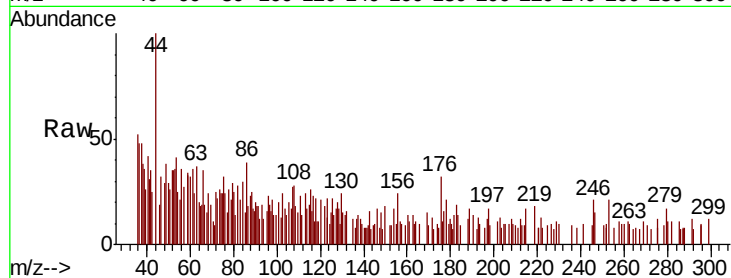
Tot Ion: 53 Resp: 615

Ion Ratio Lower Upper

53 100

52 56.3 67.0 100.4#

51 20.2 28.5 42.7#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014544.D

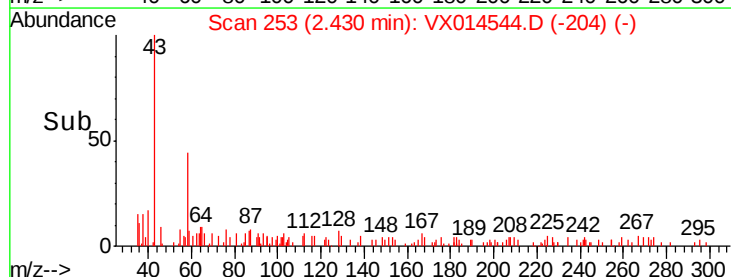
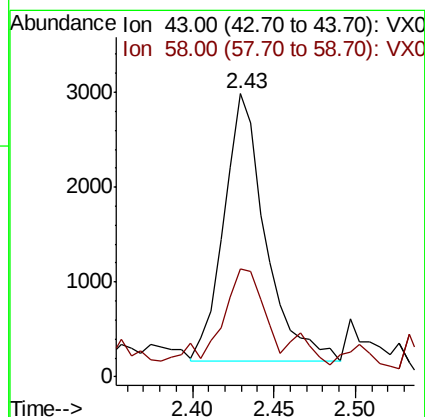
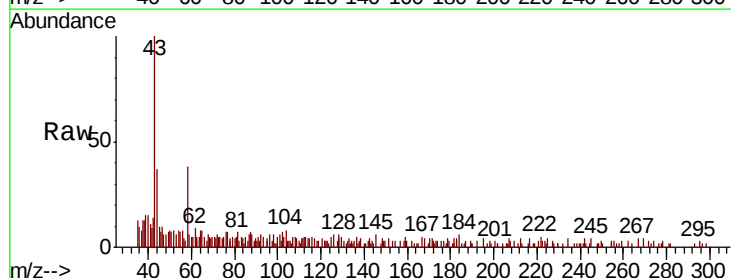
Acq: 10 Jan 2020 17:55

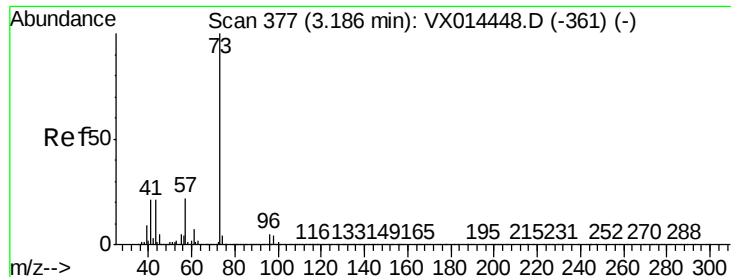
Tgt Ion: 43 Resp: 5007

Ion Ratio Lower Upper

43 100

58 31.8 25.4 38.0



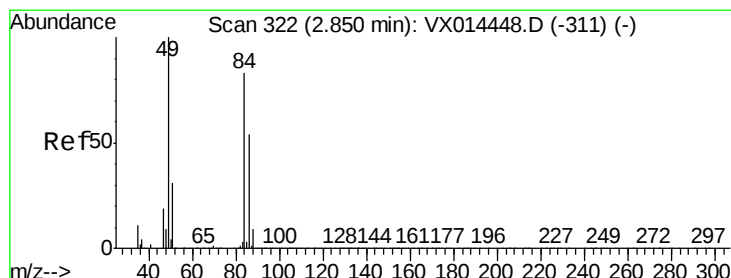
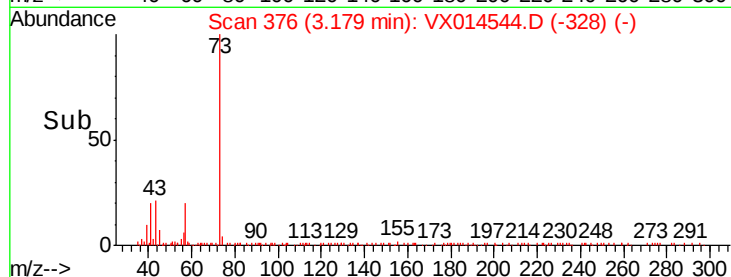
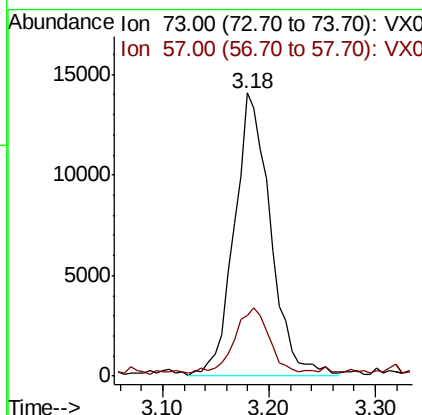
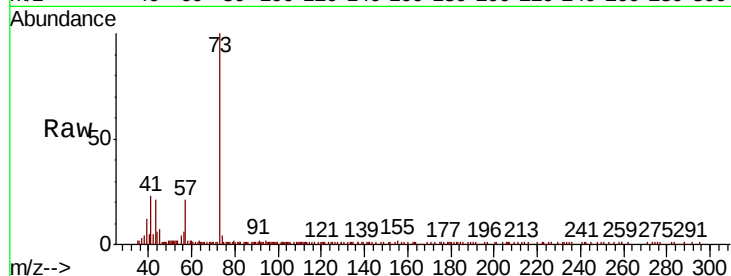


#19

Methyl tert-butyl Ether
 Concen: 2.208 ug/l
 RT: 3.18 min Scan# 376
 Delta R.T. -0.01 min
 Lab File: VX014544.D
 Acq: 10 Jan 2020 17:55

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

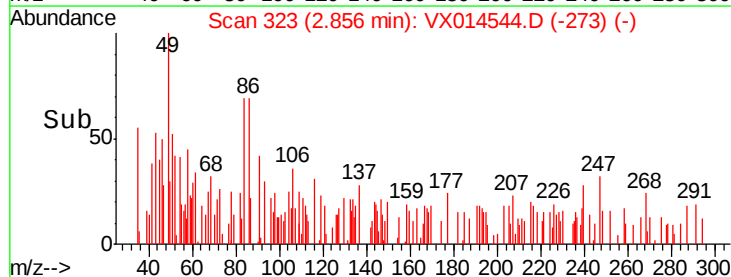
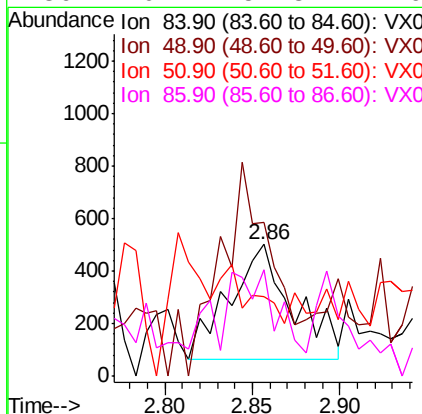
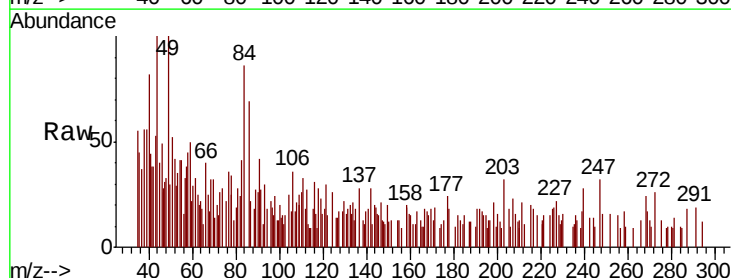
Tot Ion: 73 Resp: 33757
 Ion Ratio Lower Upper
 73 100
 57 20.3 17.8 26.8

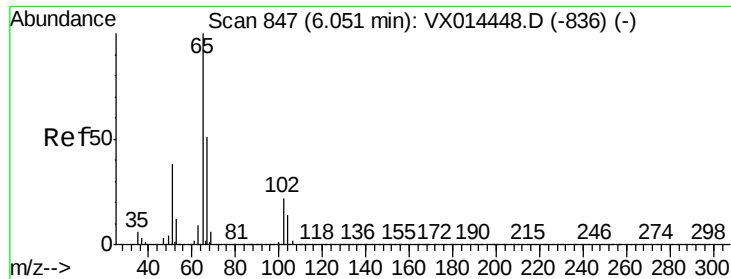


#20

Methylene Chloride
 Concen: 0.205 ug/l
 RT: 2.86 min Scan# 323
 Delta R.T. 0.01 min
 Lab File: VX014544.D
 Acq: 10 Jan 2020 17:55

Tgt Ion: 84 Resp: 1112
 Ion Ratio Lower Upper
 84 100
 49 84.7 95.8 143.8#
 51 20.3 30.2 45.4#
 86 40.2 51.8 77.6#

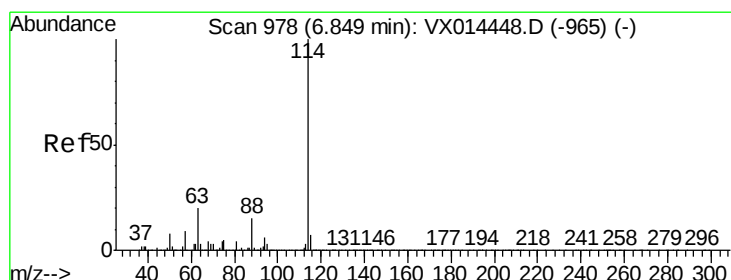
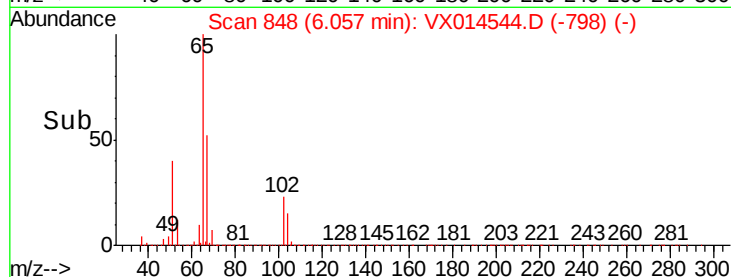
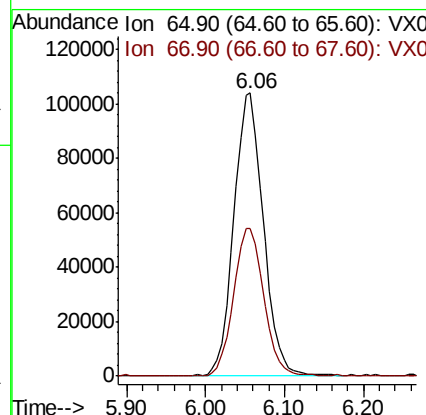
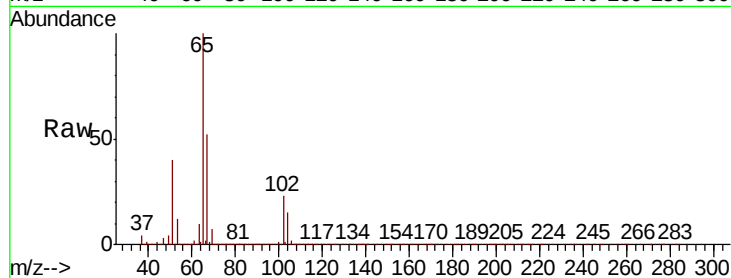




#33
 1,2-Dichloroethane-d4
 Concen: 50.051 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX014544.D
 Acq: 10 Jan 2020 17:55

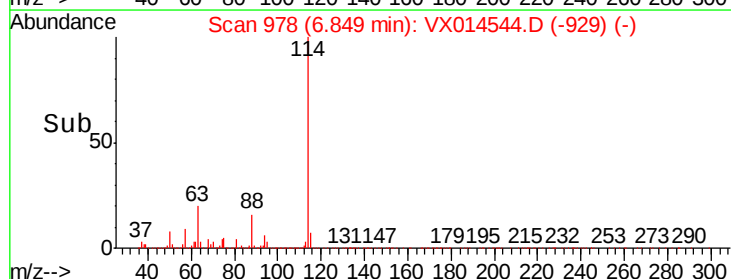
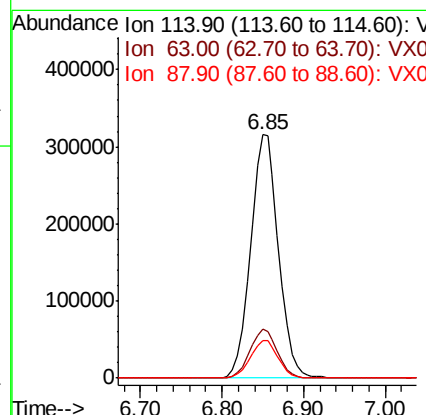
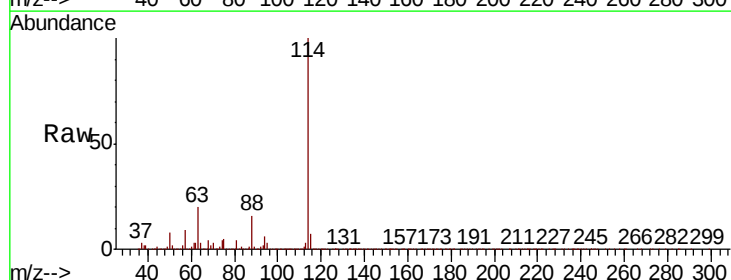
Instrument :
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 ClientSampleId :
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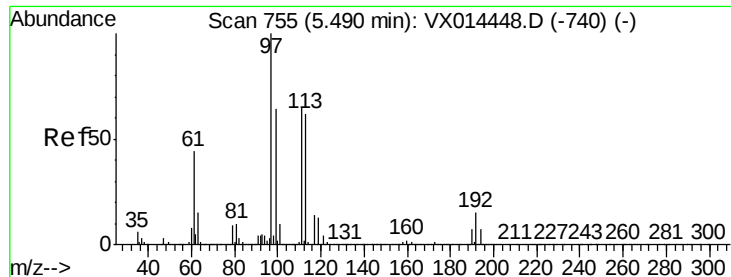
Tot Ion: 65 Resp: 269412
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX014544.D
 Acq: 10 Jan 2020 17:55

Tgt Ion: 114 Resp: 745424
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.6
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.881 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

MW-3

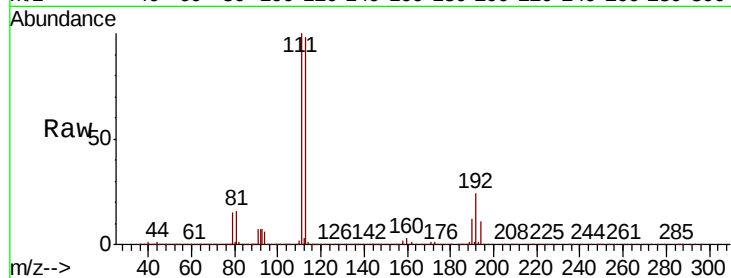
Tot Ion:113 Resp: 225080

Ion Ratio Lower Upper

113 100

111 101.8 81.5 122.3

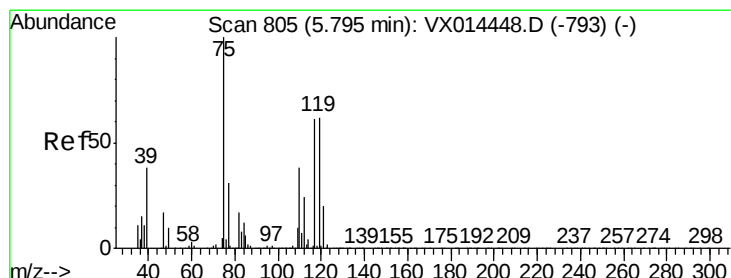
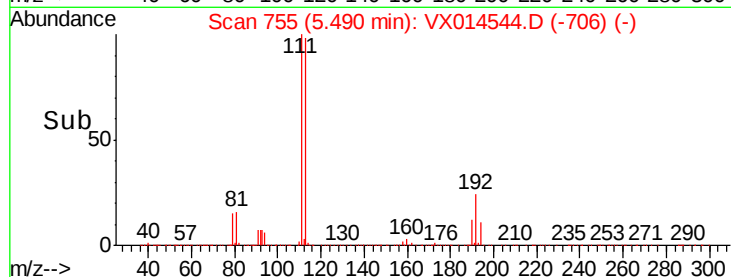
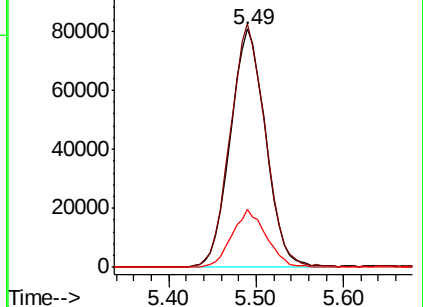
192 23.9 19.2 28.8



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: 4.653 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.14 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

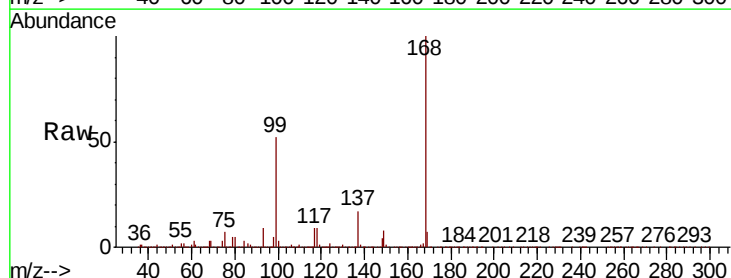
Tgt Ion: 75 Resp: 32619

Ion Ratio Lower Upper

75 100

110 10.5 18.6 55.8#

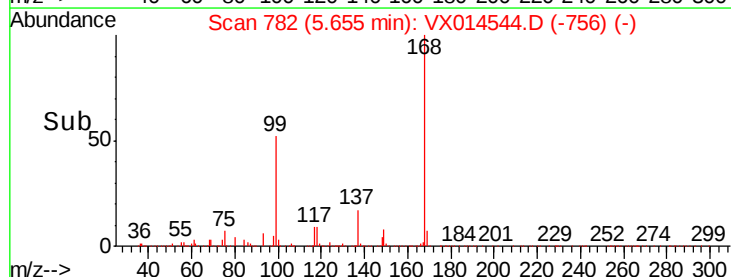
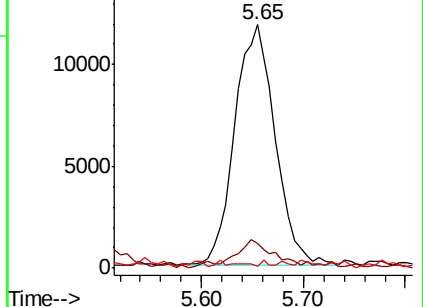
77 0.7 24.5 36.7#

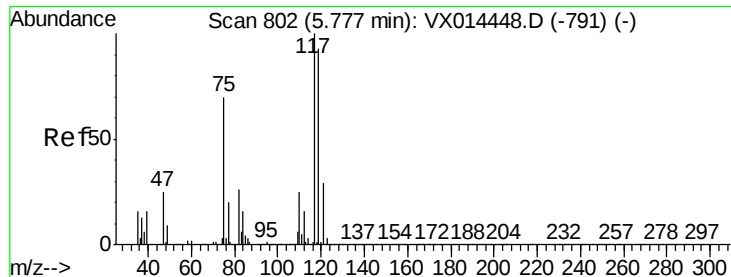


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.393 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

MW-3

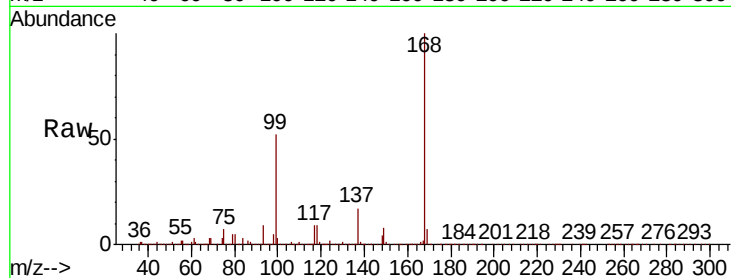
Tot Ion:117 Resp: 41243

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

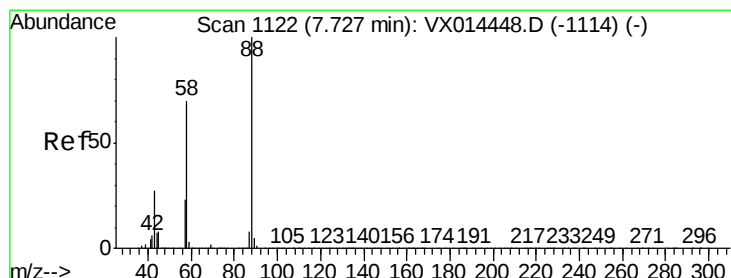
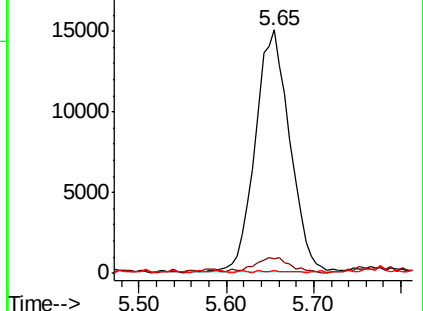
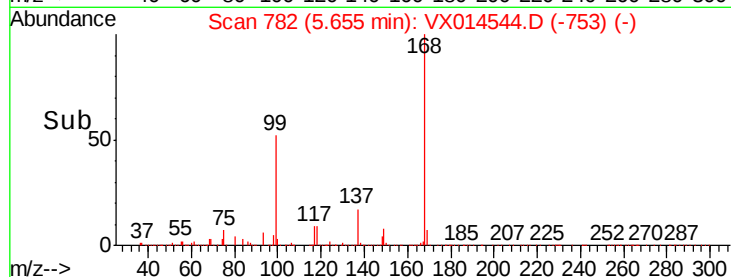
121 0.5 23.4 35.0#



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: 1.682 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

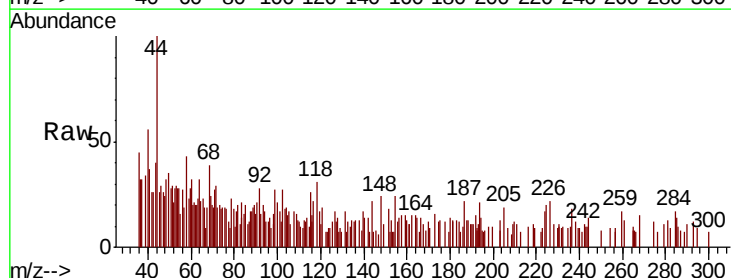
Tgt Ion: 88 Resp: 210

Ion Ratio Lower Upper

88 100

43 330.0 27.4 41.0#

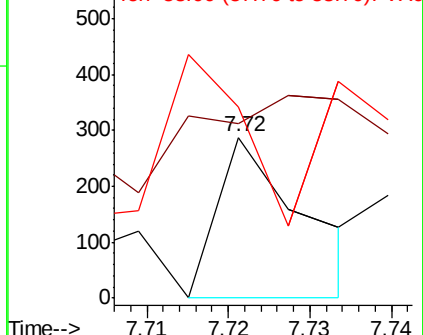
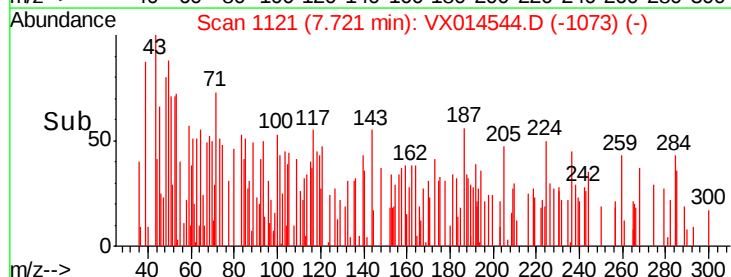
58 124.3 57.1 85.7#

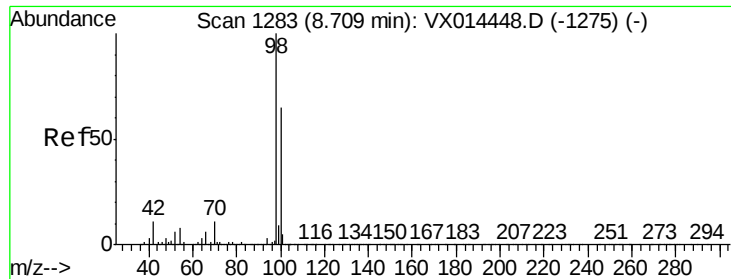


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.429 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampled :

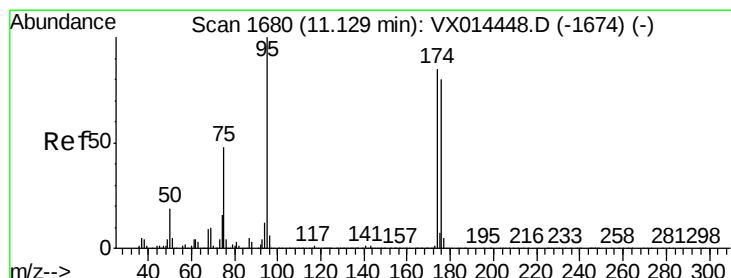
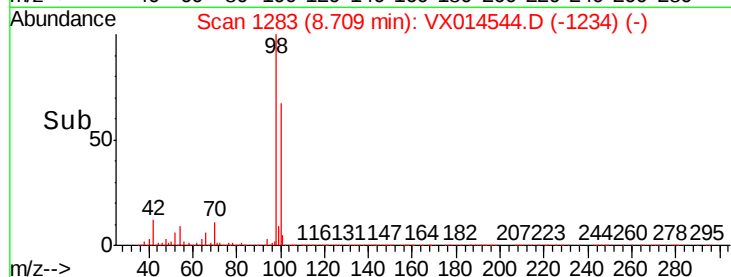
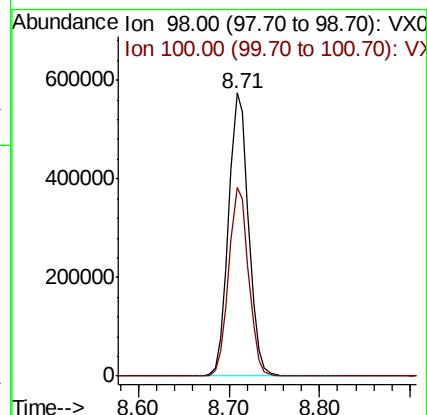
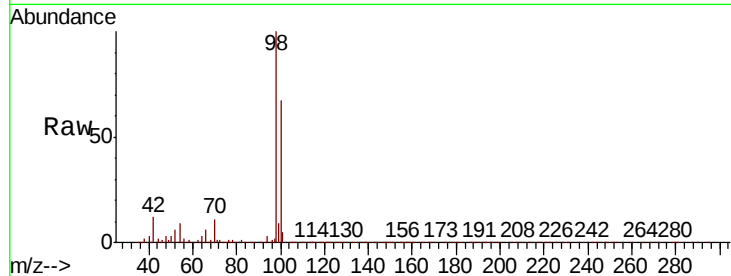
MW-3

Tot Ion: 98 Resp: 883071

Ion Ratio Lower Upper

98 100

100 66.3 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 47.184 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

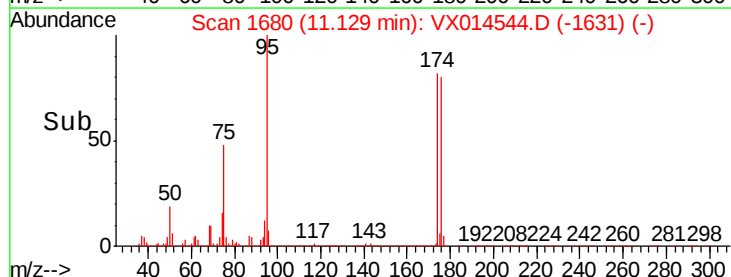
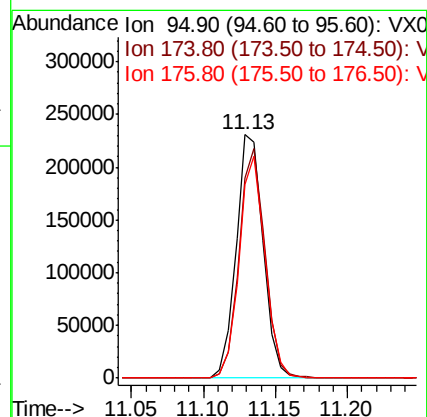
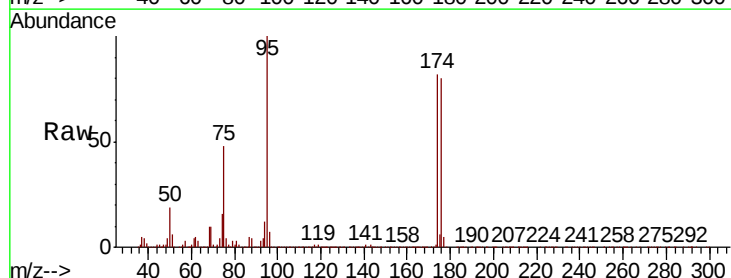
Tgt Ion: 95 Resp: 303324

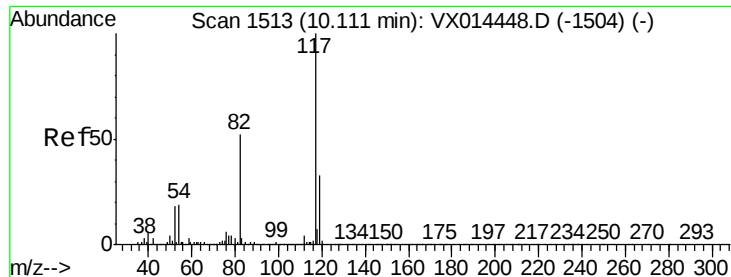
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.8

176 87.5 0.0 172.8

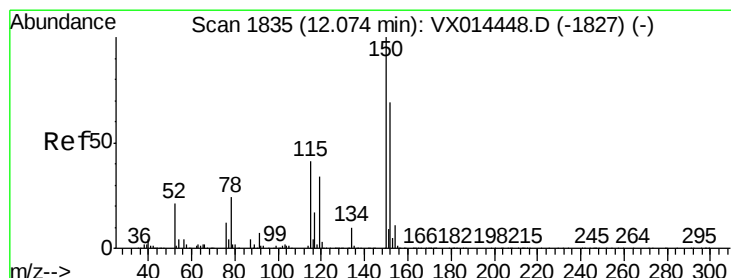
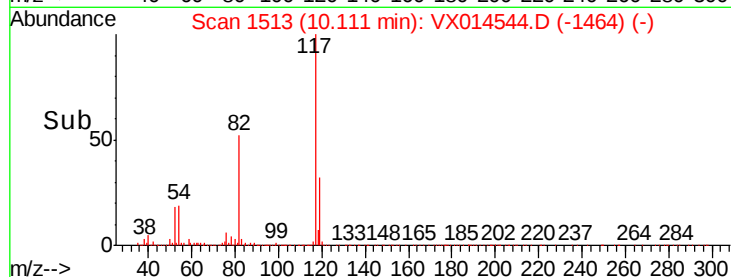
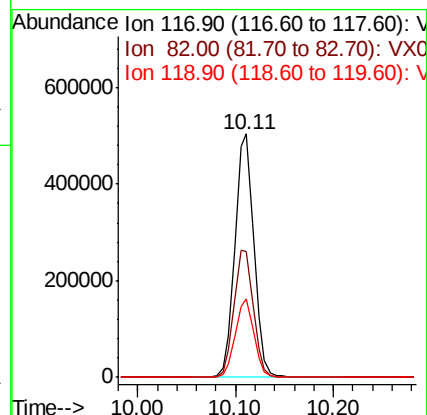
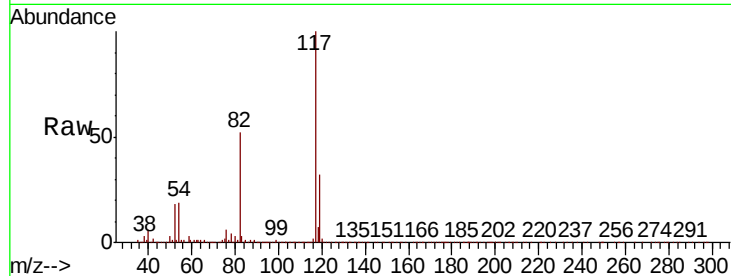




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014544.D
Acq: 10 Jan 2020 17:55

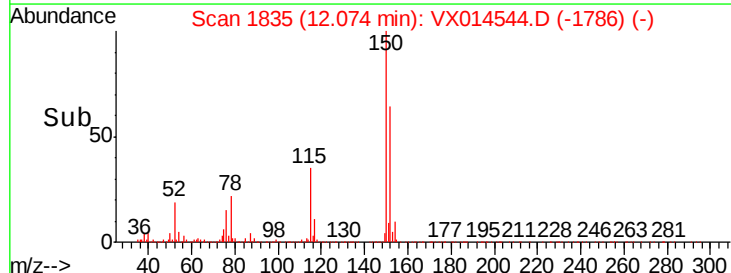
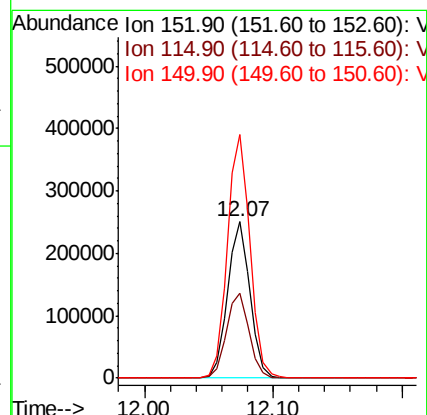
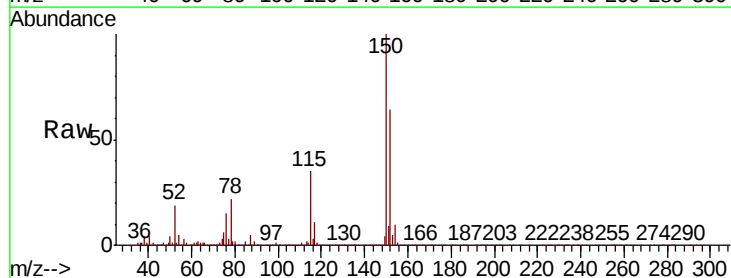
Instrument :
MSVOA_X
ClientSampleId :
MW-3

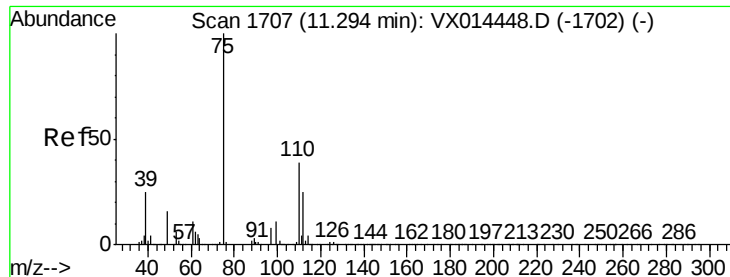
Tot Ion:117 Resp: 677844
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.6
119 32.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014544.D
Acq: 10 Jan 2020 17:55

Tgt Ion:152 Resp: 307588
Ion Ratio Lower Upper
152 100
115 55.0 39.5 118.3
150 156.8 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 23.176 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

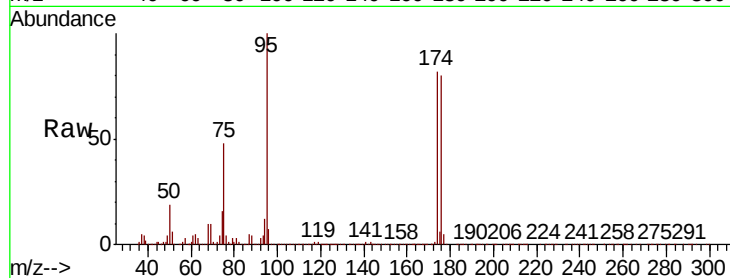
MW-3

Tot Ion: 75 Resp: 147494

Ion Ratio Lower Upper

75 100

77 1.8 21.9 65.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

120000

100000

80000

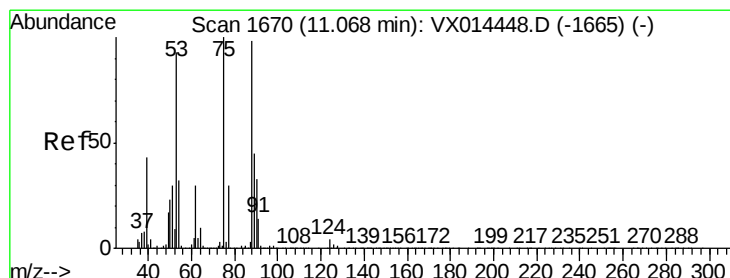
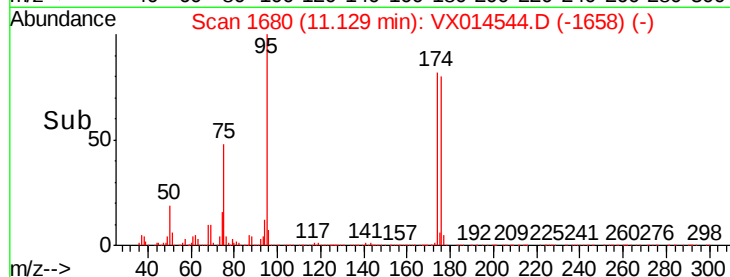
60000

40000

20000

0

Time--> 11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 61.273 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

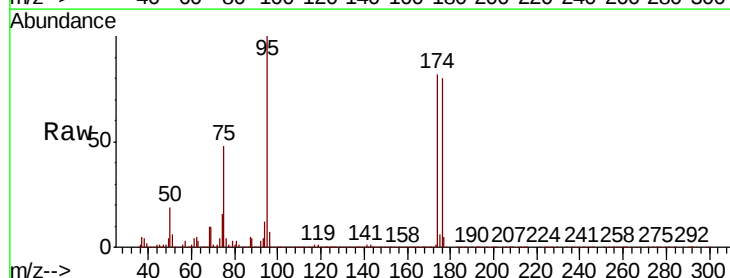
Tgt Ion: 75 Resp: 147494

Ion Ratio Lower Upper

75 100

53 0.5 74.8 112.2#

89 0.0 36.3 54.5#



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

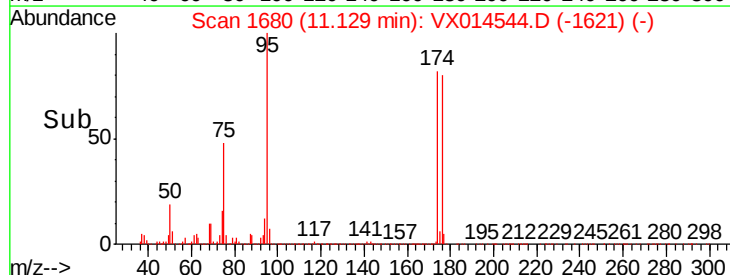
150000

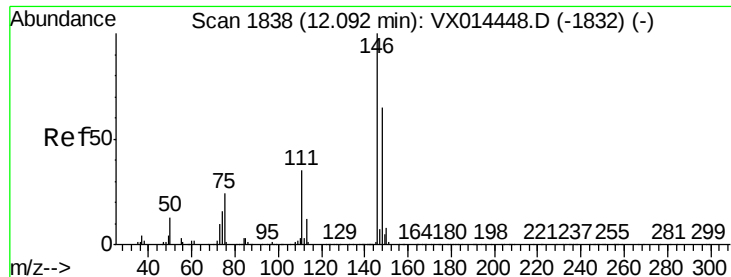
100000

50000

0

Time--> 11.10 11.20





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-3

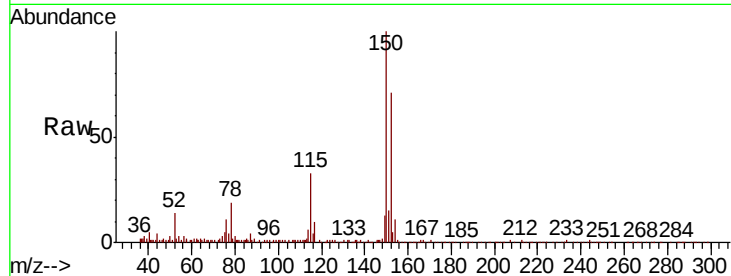
Tot Ion:146 Resp: 715

Ion Ratio Lower Upper

146 100

111 606.9 18.1 54.1#

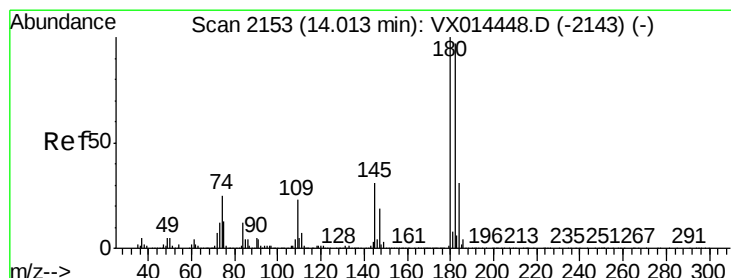
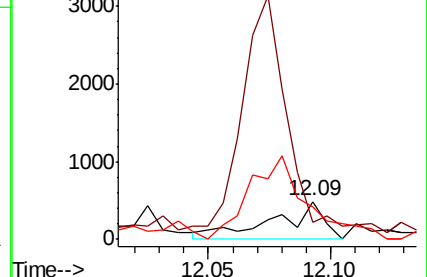
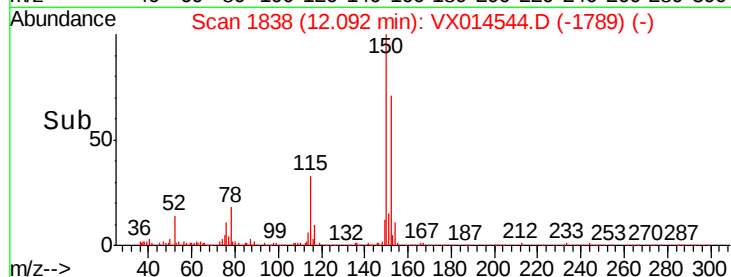
148 250.3 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#96

1,2,3-Trichlorobenzene

Concen: Below Cal

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014544.D

Acq: 10 Jan 2020 17:55

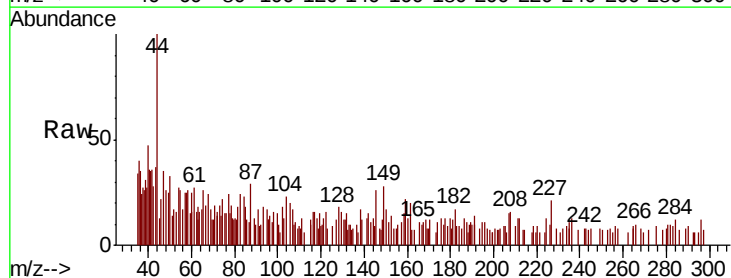
Tgt Ion:180 Resp: 94

Ion Ratio Lower Upper

180 100

182 261.7 47.9 143.6#

145 491.5 14.8 44.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

