

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX020620\
 Data File : VX014839.D
 Acq On : 06 Feb 2020 11:24
 Operator : JC/SP
 Sample : VX0206WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0206WBL01

Quant Time: Feb 06 14:35:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	429504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	671001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	612048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	277345	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	249716	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.49	113	203628	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	
50) Toluene-d8	8.71	98	788062	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	11.13	95	271338	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

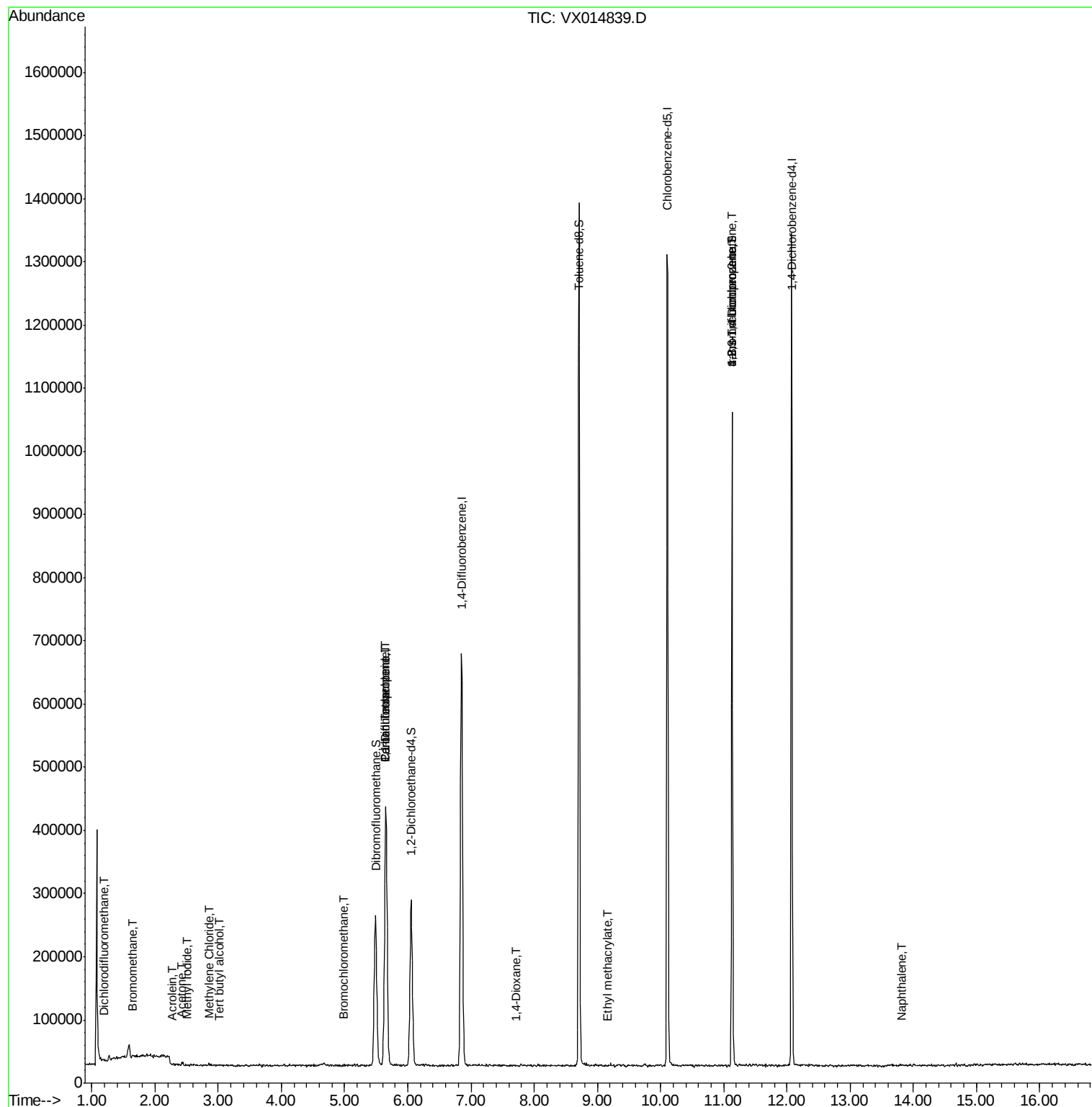
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	494	0.62	ug/l	77
5) Bromomethane	1.64	94	1404	0.33	ug/l	# 76
6) Chloroethane	1.68	64	3412	Below Cal	#	56
10) Methyl Iodide	2.51	142	1442	0.26	ug/l	# 65
11) Tert butyl alcohol	3.02	59	398	0.35	ug/l	# 72
13) Acrolein	2.27	56	765	0.86	ug/l	# 32
16) Acetone	2.43	43	4284	1.71	ug/l	# 88
20) Methylene Chloride	2.85	84	1898	0.37	ug/l	# 78
28) Bromochloromethane	4.98	49	999	0.27	ug/l	# 32
36) 1,1-Dichloropropene	5.65	75	27923	4.48	ug/l	# 53
38) Carbon Tetrachloride	5.65	117	37788	6.35	ug/l	# 16
41) Methacrylonitrile	5.02	41	330	Below Cal	#	26
49) 1,4-Dioxane	7.72	88	61	0.52	ug/l	# 1
56) Ethyl methacrylate	9.16	69	343	1.82	ug/l	# 28
76) 1,2,3-Trichloropropane	11.13	75	134027	20.77	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	11.13	75	134027	59.11	ug/l	# 10
95) Naphthalene	13.82	128	1256	0.99	ug/l	# 59

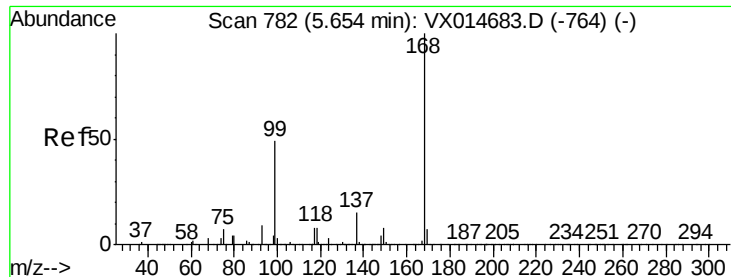
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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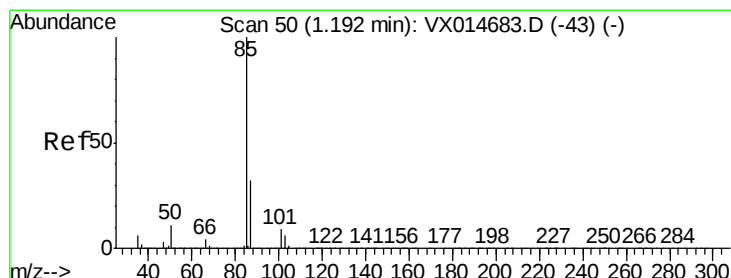
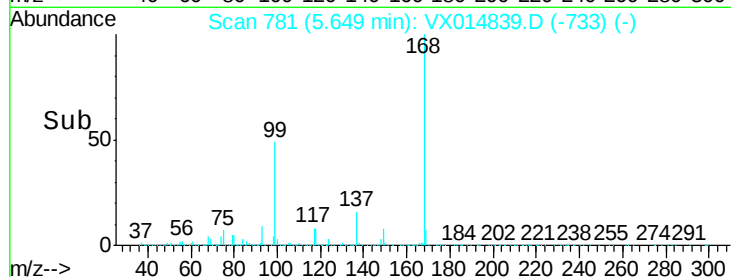
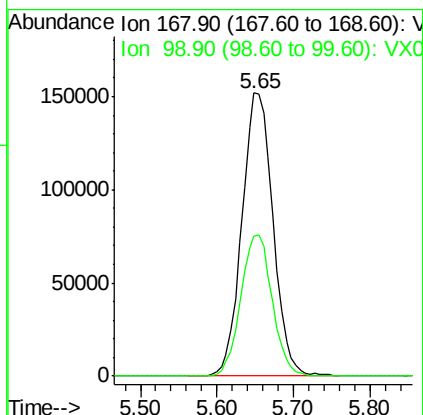
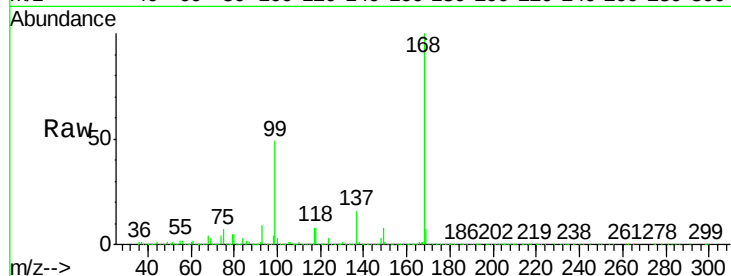


#1

Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.01 min
Lab File: VX014839.D
Acq: 06 Feb 2020 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0206WBL01

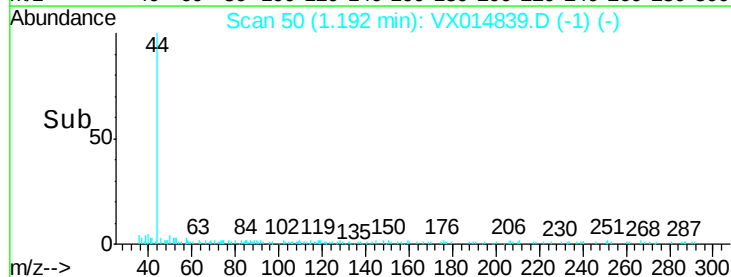
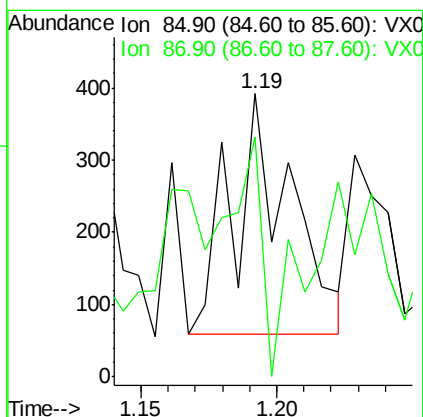
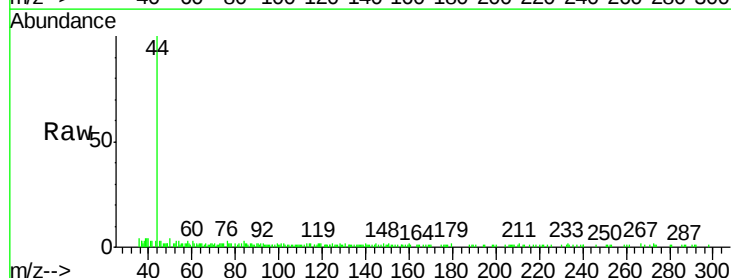
Tgt Ion:168 Resp: 429504
Ion Ratio Lower Upper
168 100
99 49.3 39.8 59.6

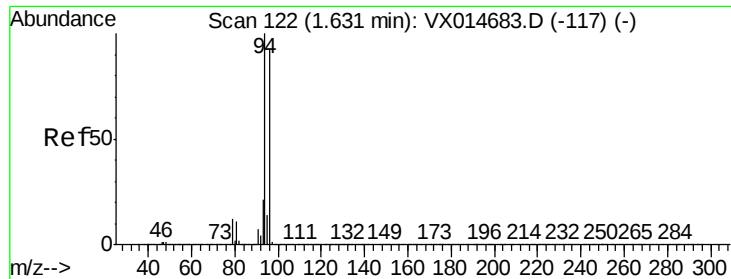


#2

Dichlorodifluoromethane
Concen: 0.62 ug/l
RT: 1.19 min Scan# 50
Delta R.T. 0.00 min
Lab File: VX014839.D
Acq: 06 Feb 2020 11:24

Tgt Ion: 85 Resp: 494
Ion Ratio Lower Upper
85 100
87 19.3 16.2 48.5





#5

Bromomethane

Concen: 0.33 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

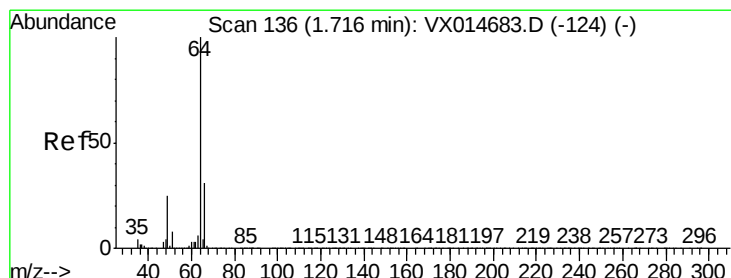
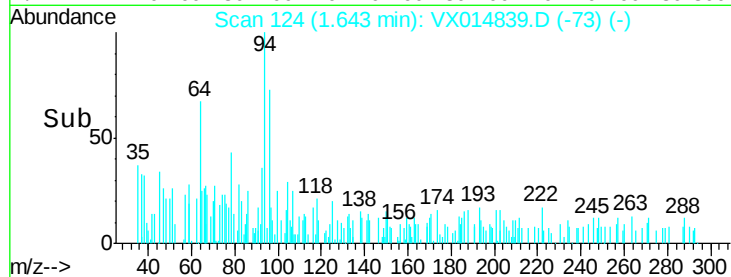
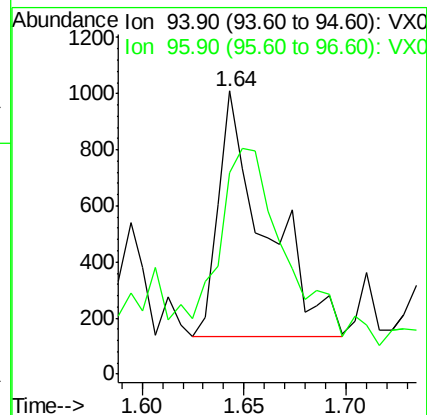
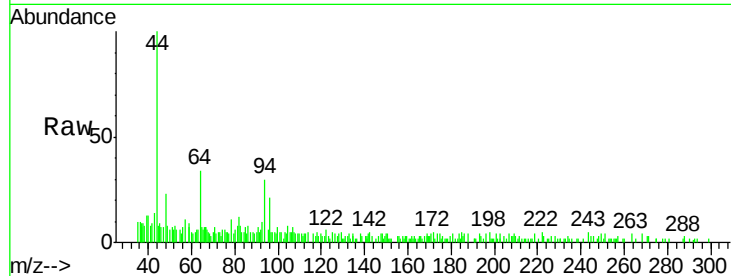
VX0206WBL01

Tgt Ion: 94 Resp: 1404

Ion Ratio Lower Upper

94 100

96 70.0 74.7 112.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 130

Delta R.T. -0.04 min

Lab File: VX014839.D

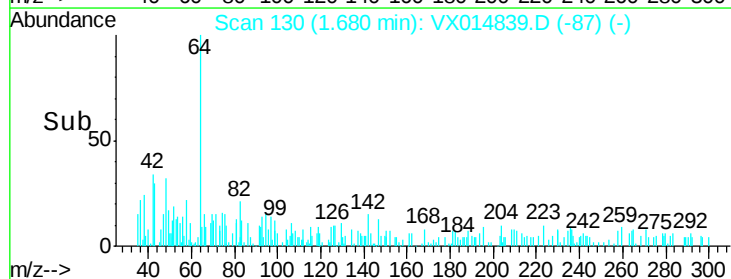
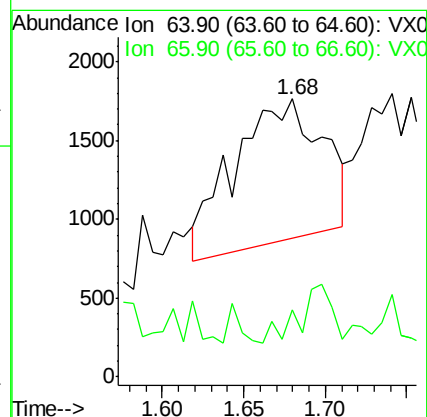
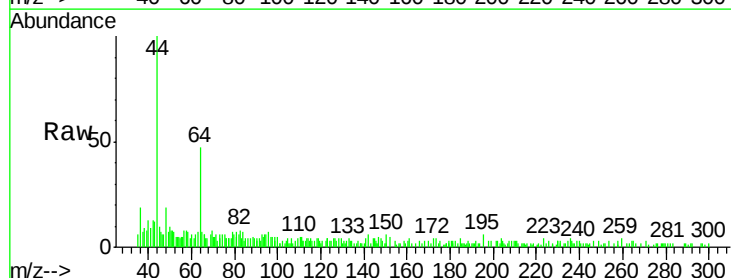
Acq: 06 Feb 2020 11:24

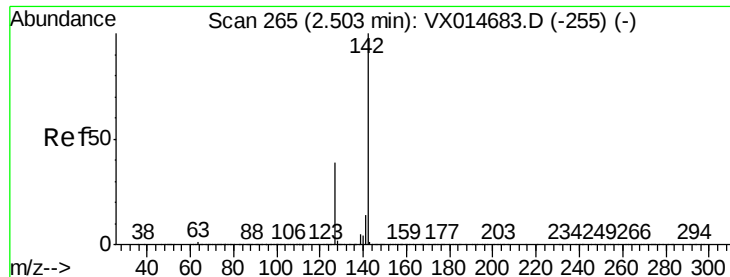
Tgt Ion: 64 Resp: 3412

Ion Ratio Lower Upper

64 100

66 7.4 25.2 37.8#





#10

Methyl Iodide

Concen: 0.26 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBL01

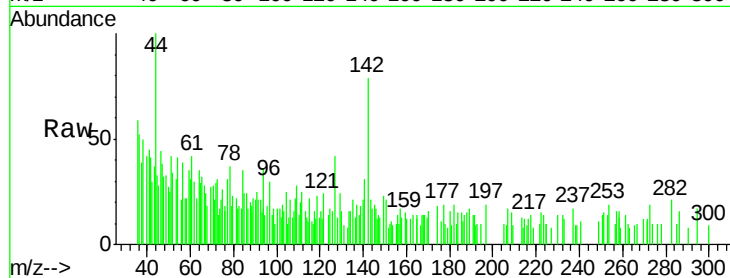
Tgt Ion: 142 Resp: 1442

Ion Ratio Lower Upper

142 100

127 10.5 31.1 46.7#

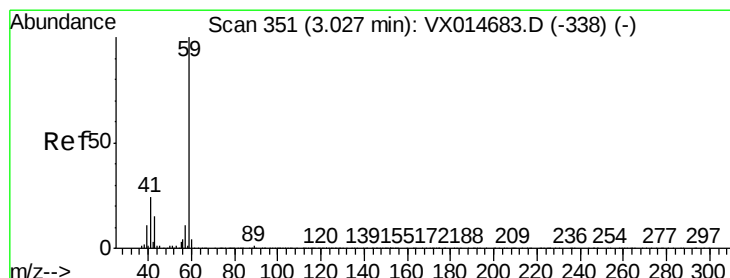
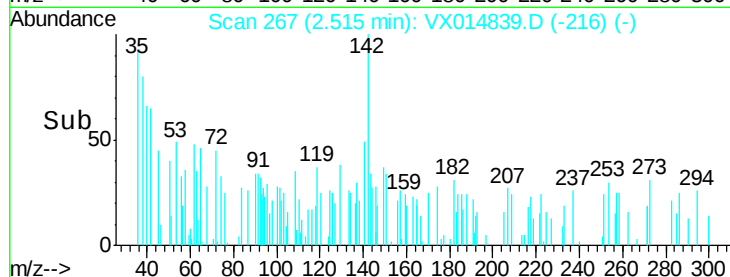
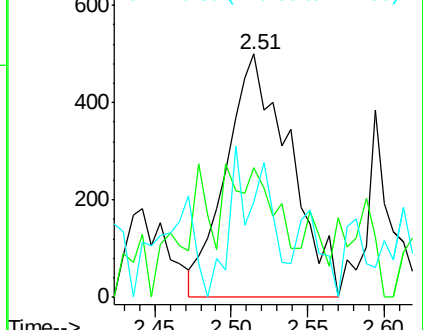
141 15.1 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.35 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014839.D

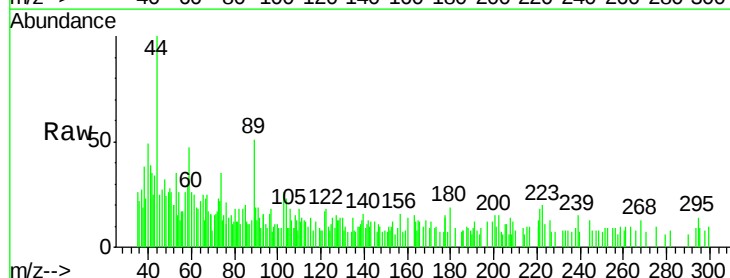
Acq: 06 Feb 2020 11:24

Tgt Ion: 59 Resp: 398

Ion Ratio Lower Upper

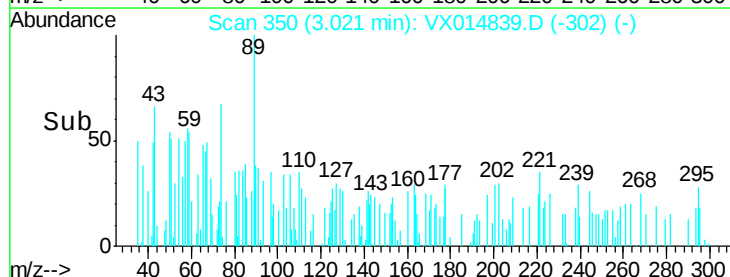
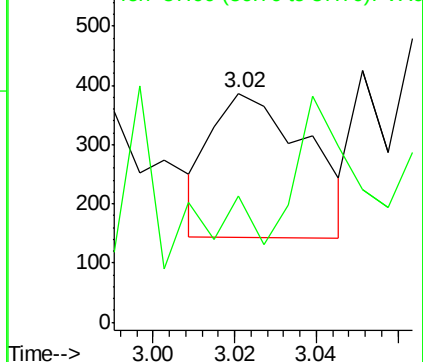
59 100

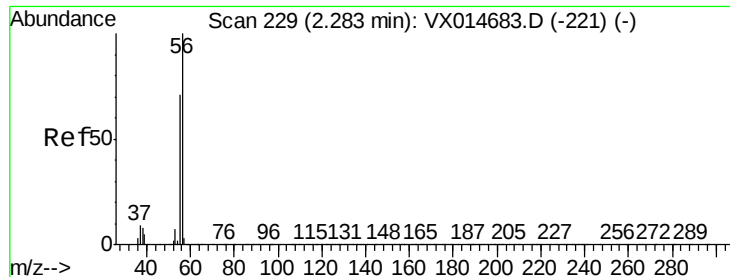
57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.86 ug/l

RT: 2.27 min Scan# 227

Delta R.T. -0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampled :

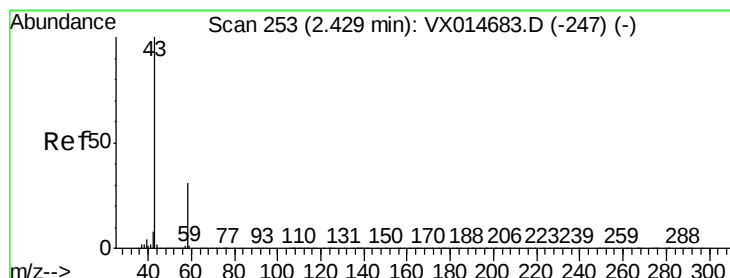
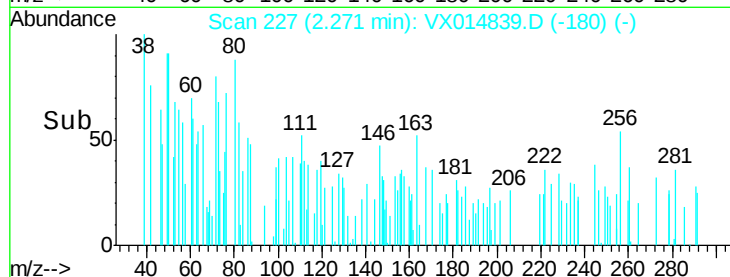
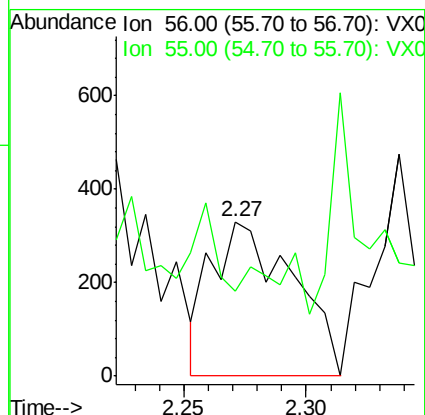
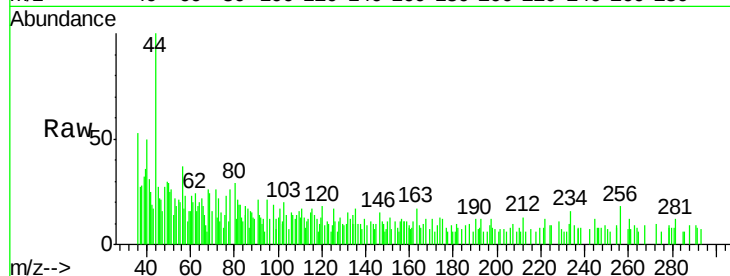
VX0206WBL01

Tgt Ion: 56 Resp: 765

Ion Ratio Lower Upper

56 100

55 14.4 56.6 84.8#



#16

Acetone

Concen: 1.71 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014839.D

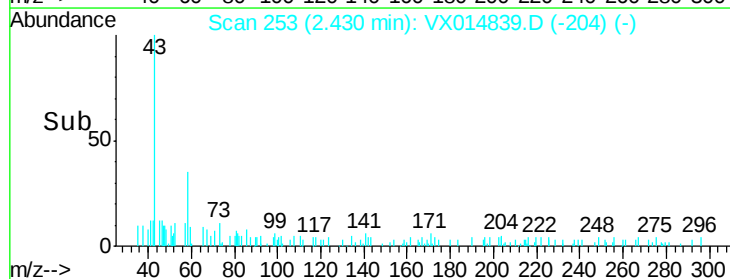
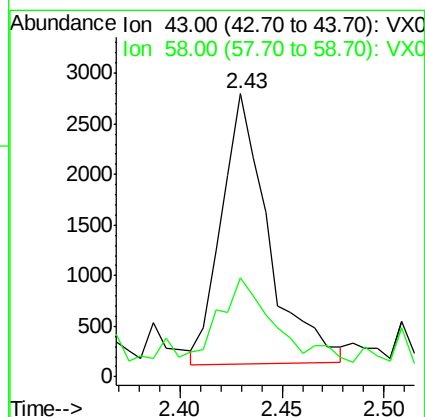
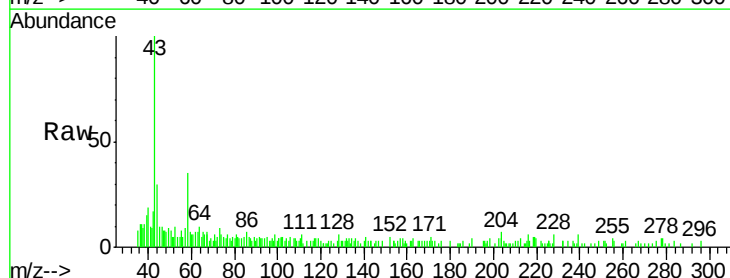
Acq: 06 Feb 2020 11:24

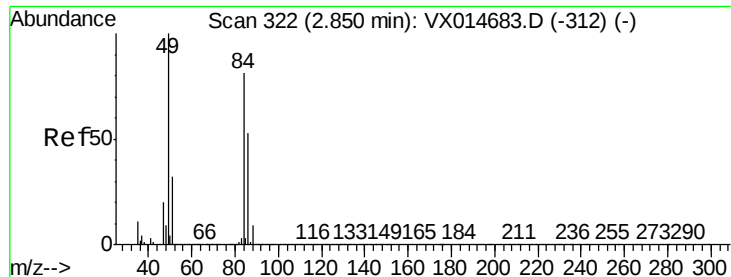
Tgt Ion: 43 Resp: 4284

Ion Ratio Lower Upper

43 100

58 24.2 24.5 36.7#

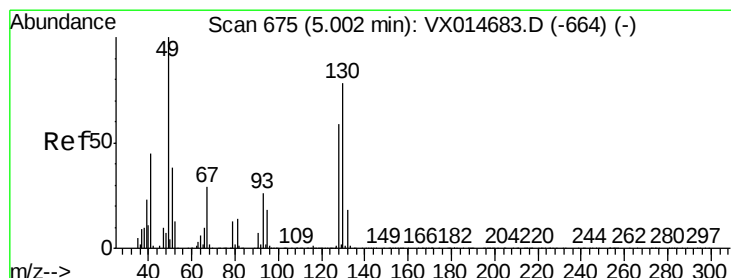
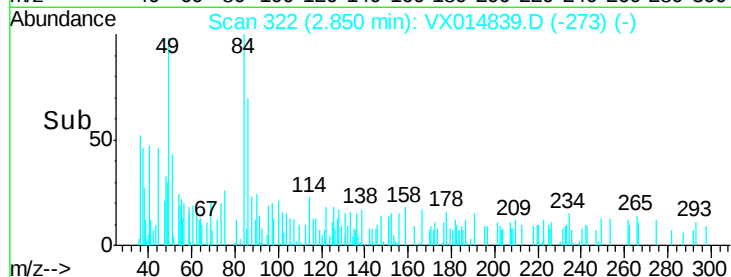
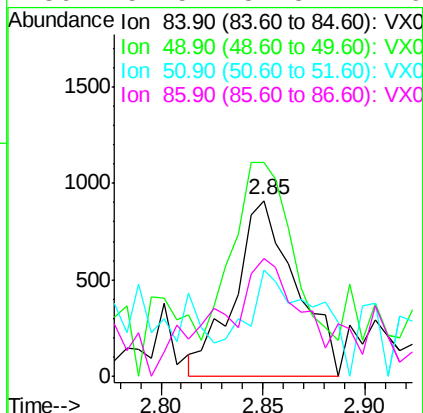
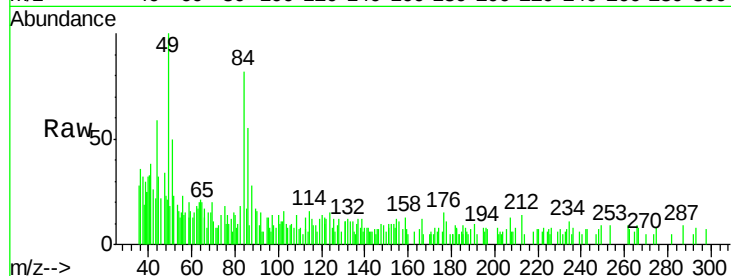




#20
Methylene Chloride
Concen: 0.37 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014839.D
Acq: 06 Feb 2020 11:24

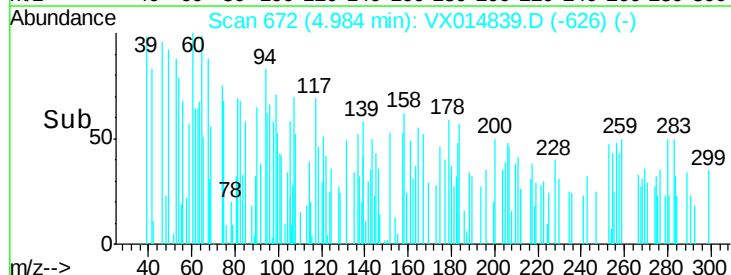
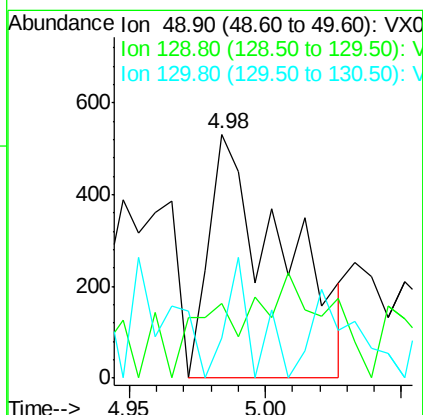
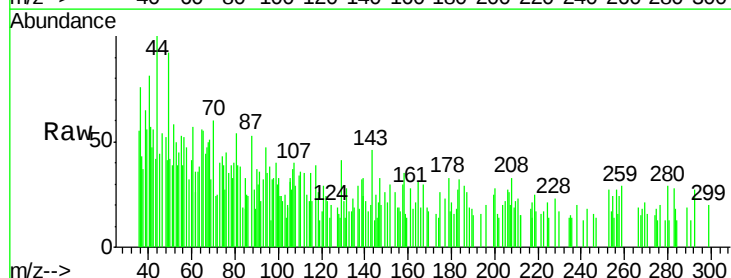
Instrument :
MSVOA_X
ClientSampleId :
VX0206WBL01

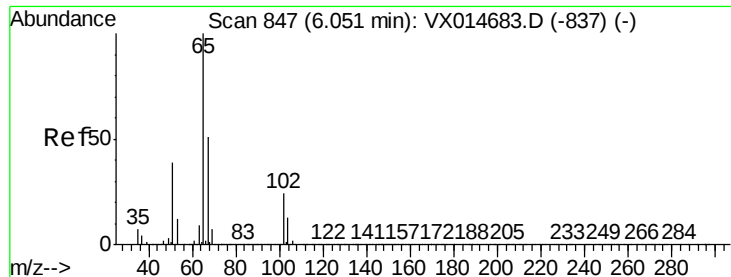
Tgt Ion:	84	Resp:	1898
Ion	Ratio	Lower	Upper
84	100		
49	99.2	98.2	147.4
51	15.2	31.3	46.9#
86	52.5	51.8	77.6



#28
Bromochloromethane
Concen: 0.27 ug/l
RT: 4.98 min Scan# 672
Delta R.T. -0.02 min
Lab File: VX014839.D
Acq: 06 Feb 2020 11:24

Tgt Ion:	49	Resp:	999
Ion	Ratio	Lower	Upper
49	100		
129	24.2	0.0	4.8#
130	18.3	62.4	93.6#





#33

1,2-Dichloroethane-d4

Concen: 49.79 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

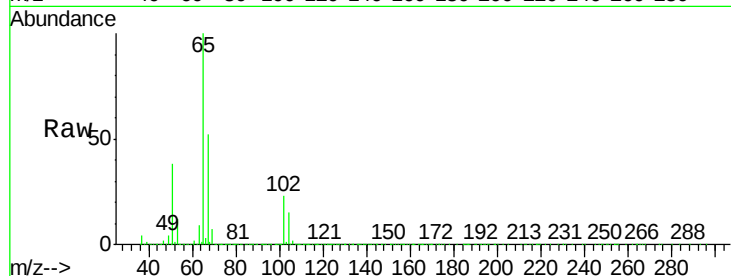
VX0206WBL01

Tgt Ion: 65 Resp: 249716

Ion Ratio Lower Upper

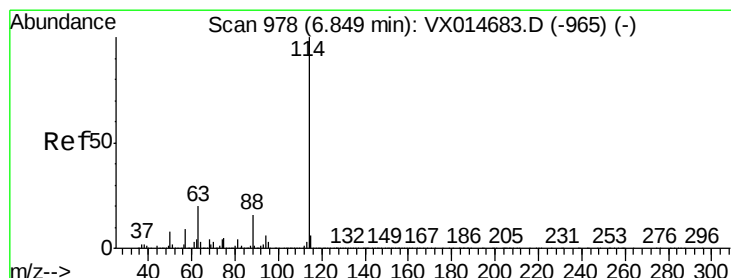
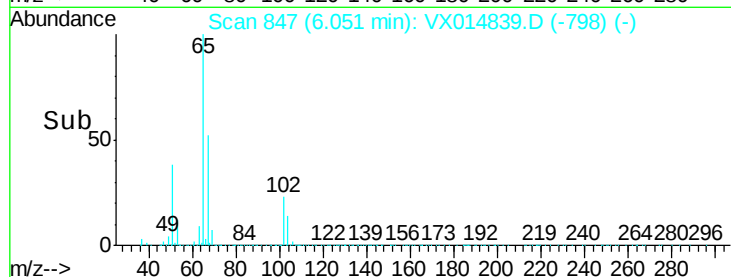
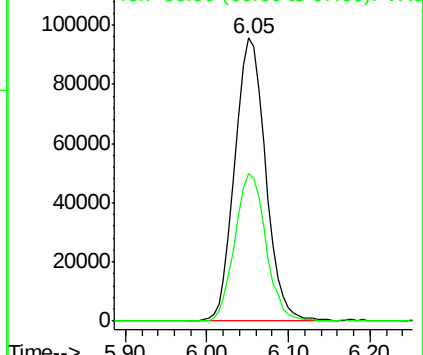
65 100

67 52.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

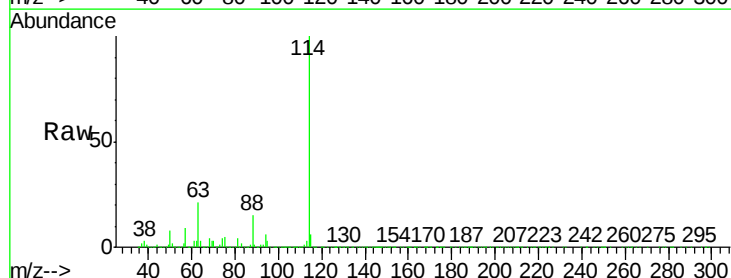
Tgt Ion: 114 Resp: 671001

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.6

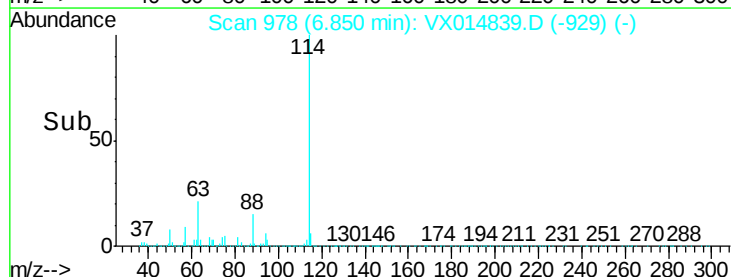
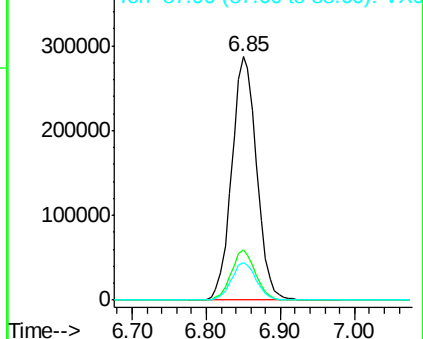
88 15.4 0.0 31.2

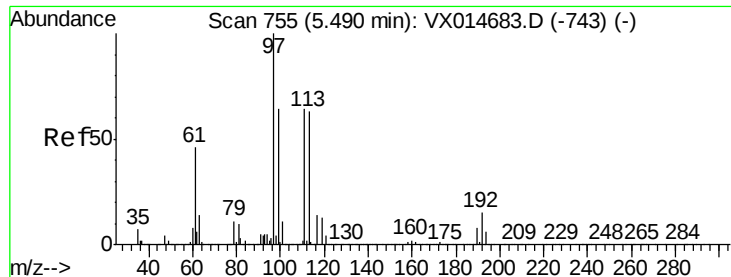


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.09 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBL01

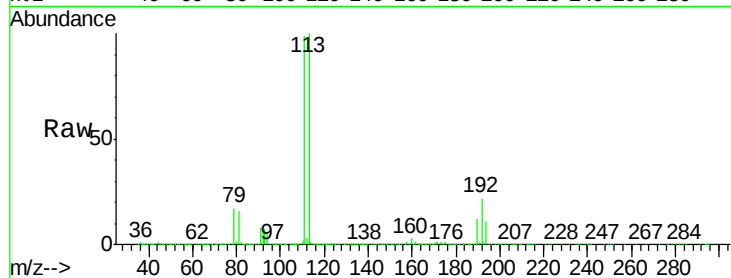
Tgt Ion:113 Resp: 203628

Ion Ratio Lower Upper

113 100

111 103.7 80.7 121.1

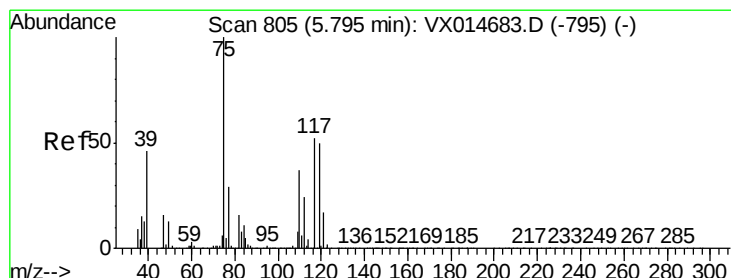
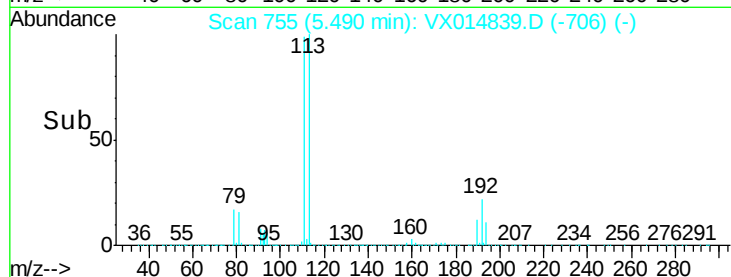
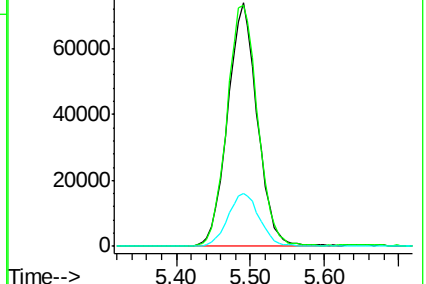
192 23.3 18.5 27.7



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: 4.48 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

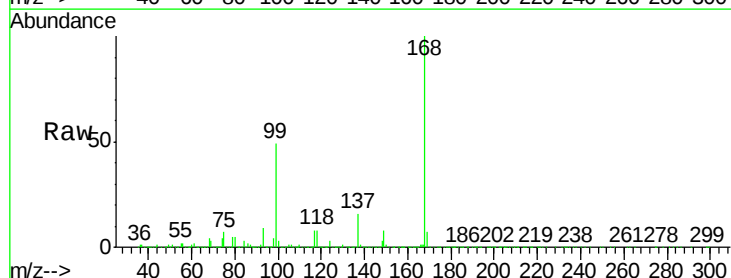
Tgt Ion: 75 Resp: 27923

Ion Ratio Lower Upper

75 100

110 11.8 17.9 53.7#

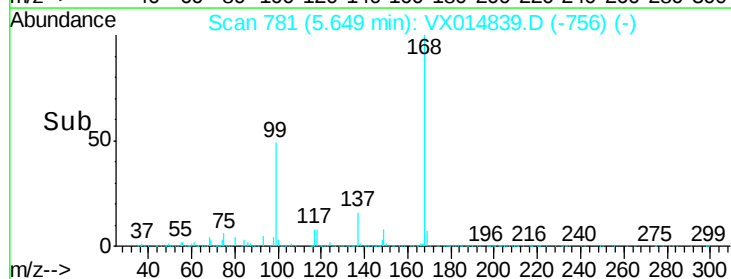
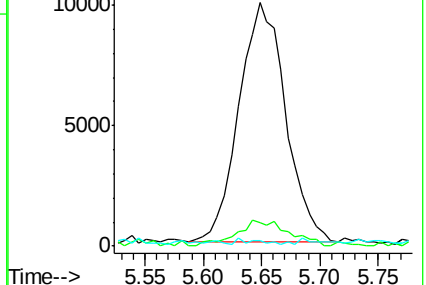
77 0.4 24.1 36.1#

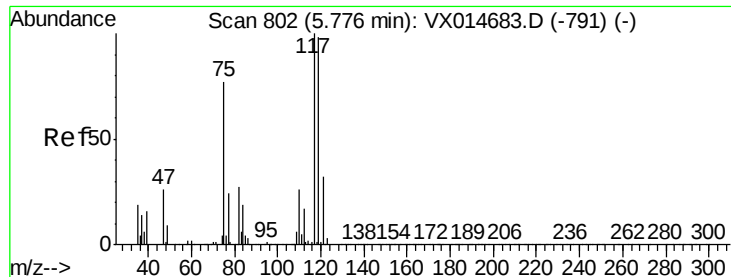


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.35 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampled :

VX0206WBL01

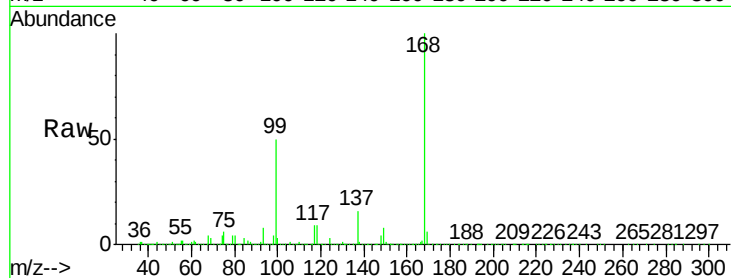
Tgt Ion: 117 Resp: 37788

Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

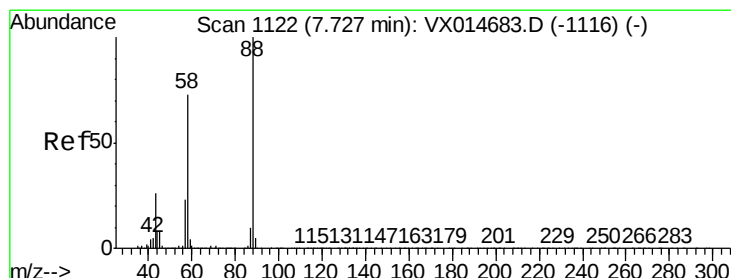
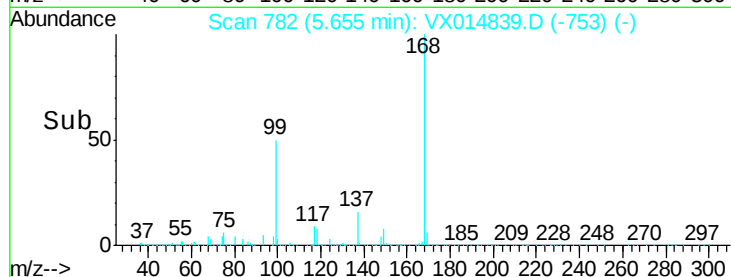
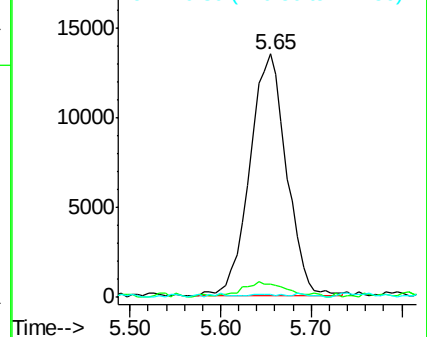
121 0.3 25.4 38.2#



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: 0.52 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

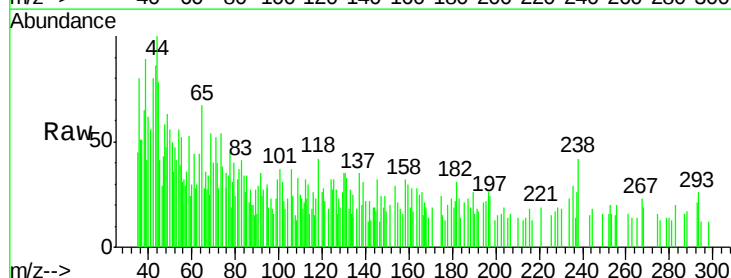
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

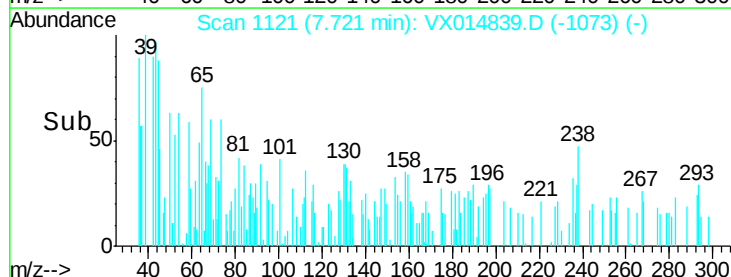
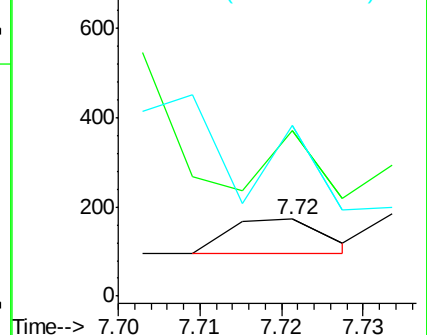
58 172.1 56.6 85.0#

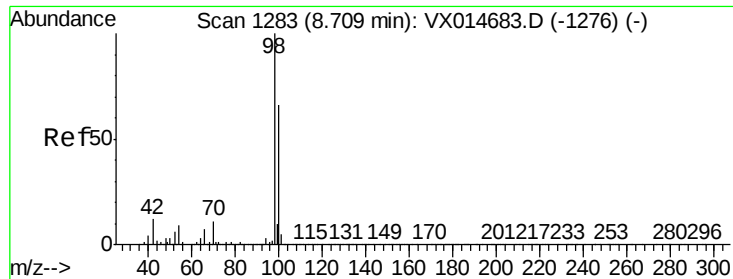


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.42 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

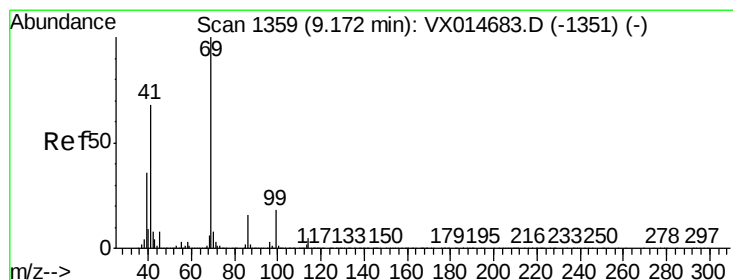
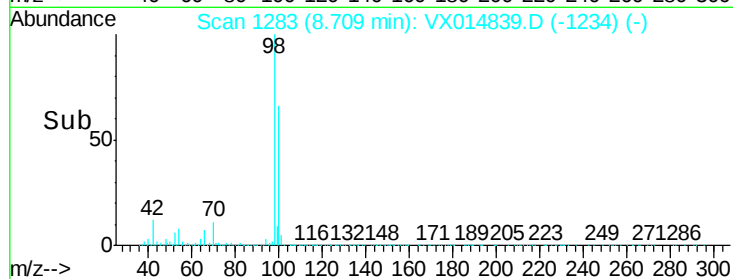
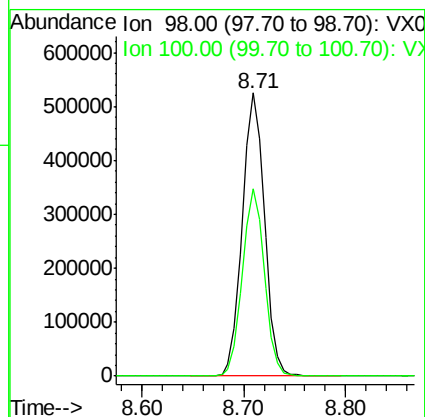
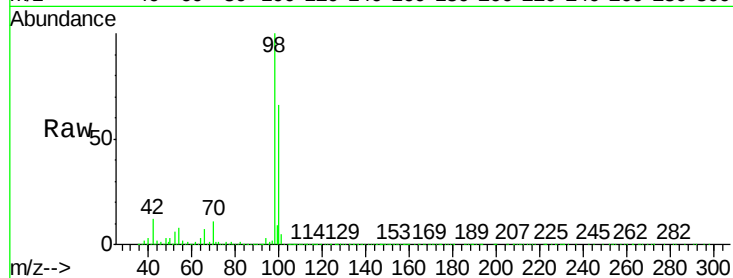
VX0206WBL01

Tgt Ion: 98 Resp: 788062

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.82 ug/l

RT: 9.16 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

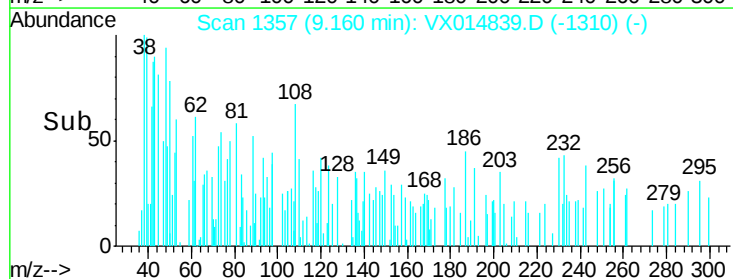
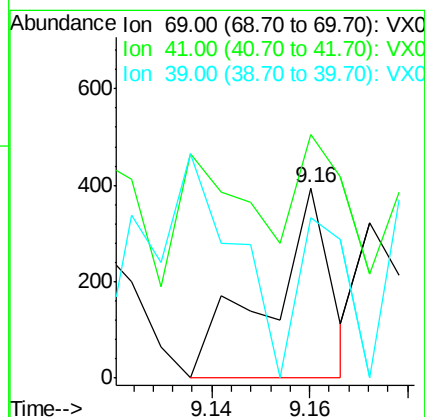
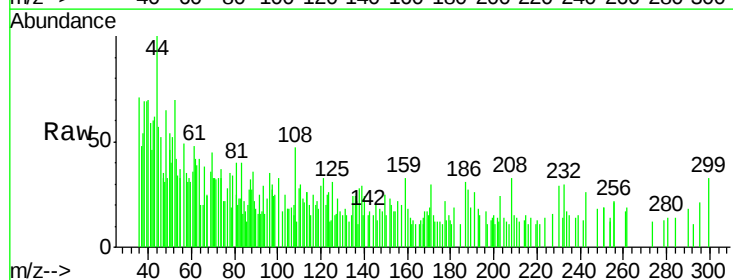
Tgt Ion: 69 Resp: 343

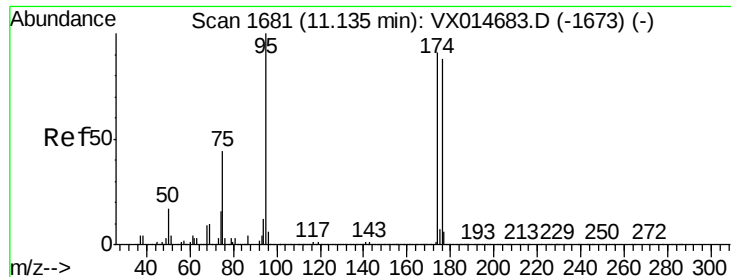
Ion Ratio Lower Upper

69 100

41 0.0 54.9 82.3#

39 66.2 29.3 43.9#





#62

4-Bromofluorobenzene

Concen: 46.80 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBL01

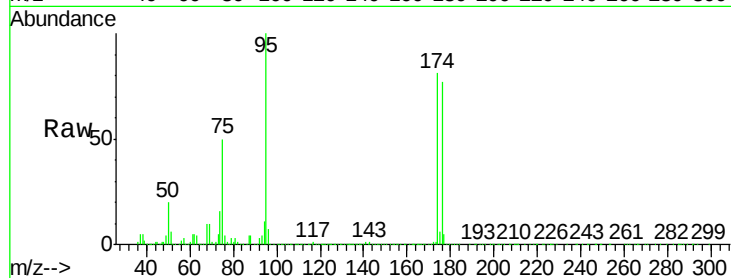
Tgt Ion: 95 Resp: 271338

Ion Ratio Lower Upper

95 100

174 89.3 0.0 176.0

176 87.0 0.0 172.2

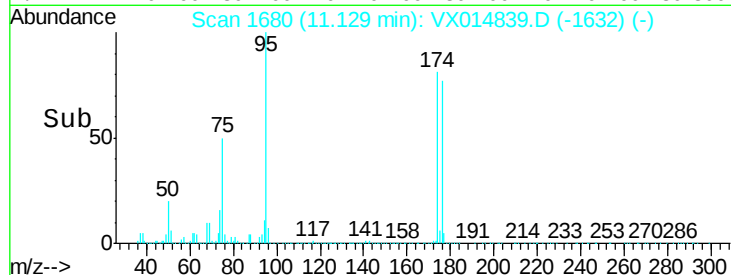


Abundance Ion 94.90 (94.60 to 95.60): VX014839.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014839.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014839.D (-1673) (-)

Time-->



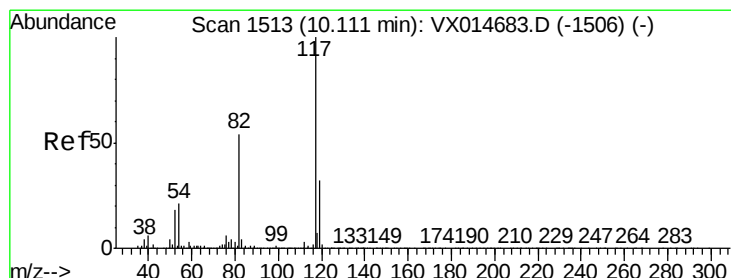
Abundance

Ion 94.90 (94.60 to 95.60): VX014839.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014839.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014839.D (-1673) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

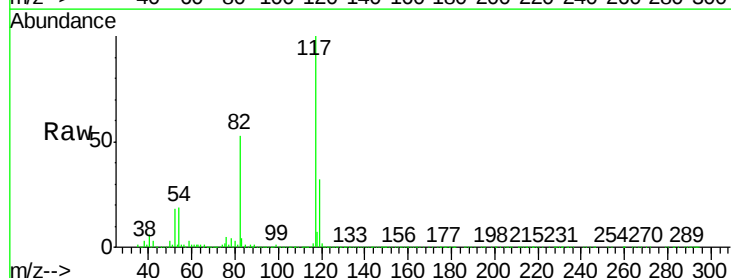
Tgt Ion: 117 Resp: 612048

Ion Ratio Lower Upper

117 100

82 52.5 43.2 64.8

119 32.4 25.8 38.6

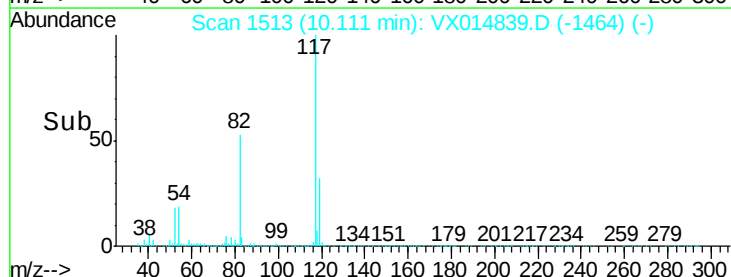


Abundance Ion 116.90 (116.60 to 117.60): VX014839.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014839.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014839.D (-1464) (-)

Time-->



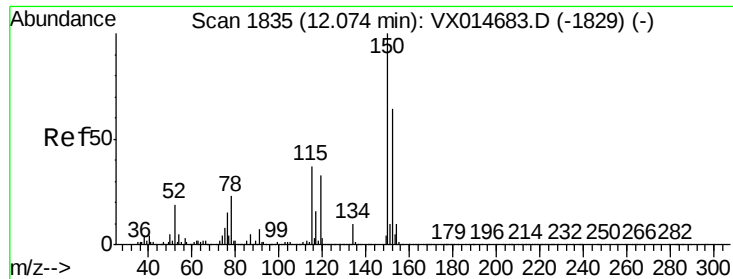
Abundance

Ion 116.90 (116.60 to 117.60): VX014839.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX014839.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX014839.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampleId :

VX0206WBL01

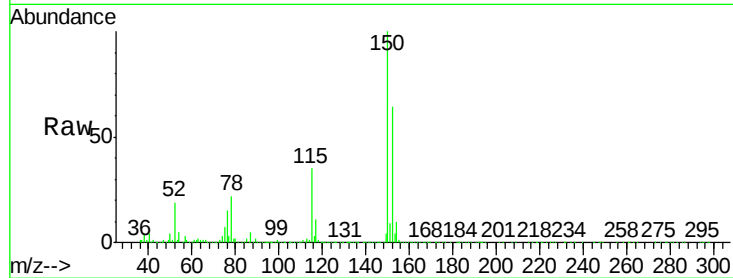
Tgt Ion: 152 Resp: 277345

Ion Ratio Lower Upper

152 100

115 55.2 39.4 118.1

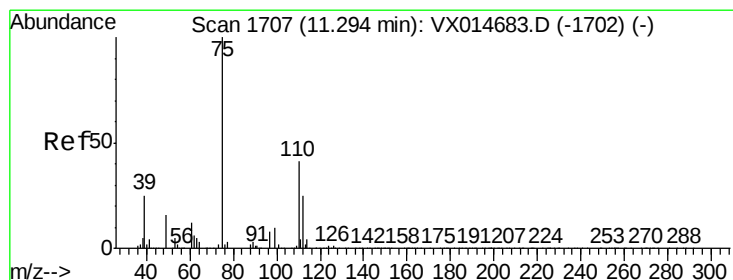
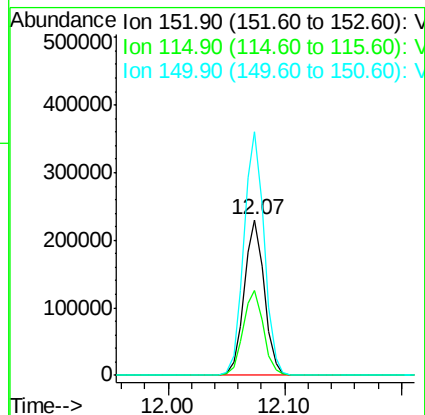
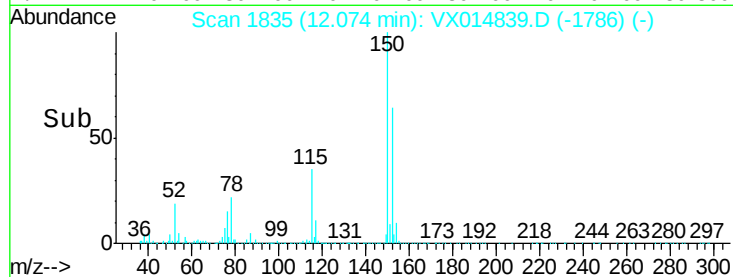
150 158.1 0.0 351.2



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: 20.77 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014839.D

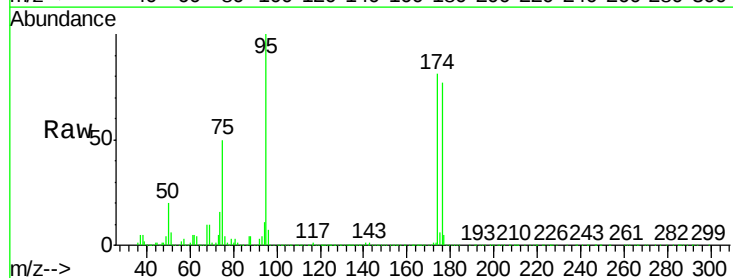
Acq: 06 Feb 2020 11:24

Tgt Ion: 75 Resp: 134027

Ion Ratio Lower Upper

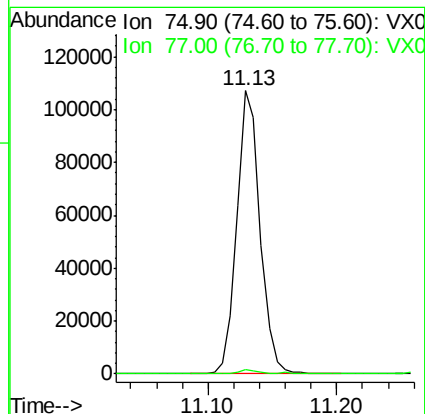
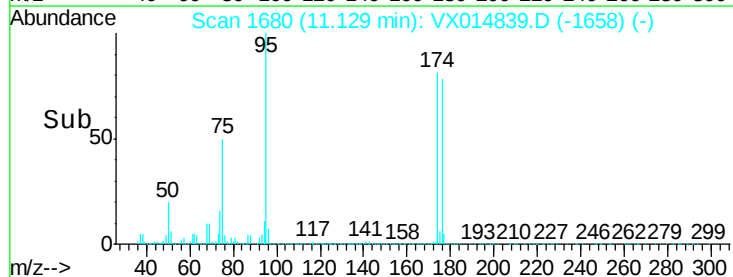
75 100

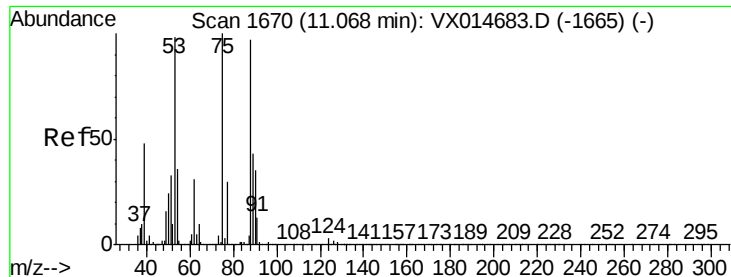
77 1.4 18.7 56.1#



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: 59.11 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

Instrument :

MSVOA_X

ClientSampled :

VX0206WBL01

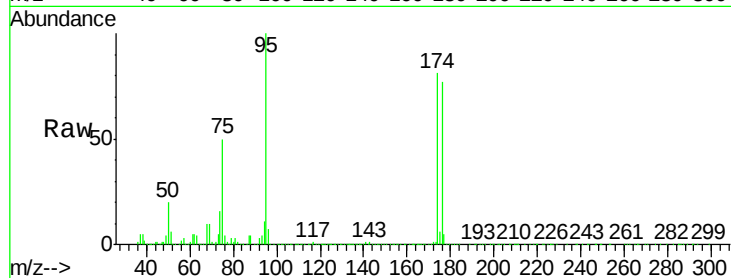
Tgt Ion: 75 Resp: 134027

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

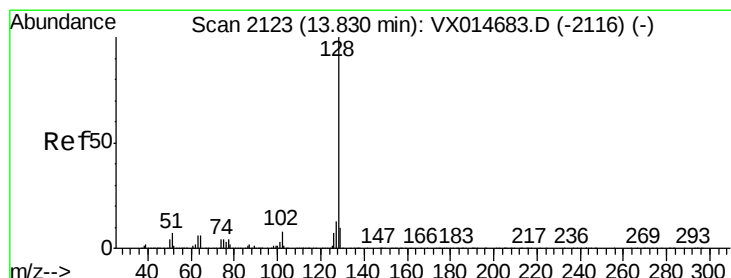
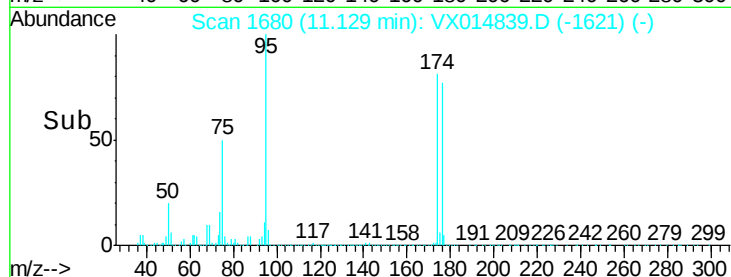
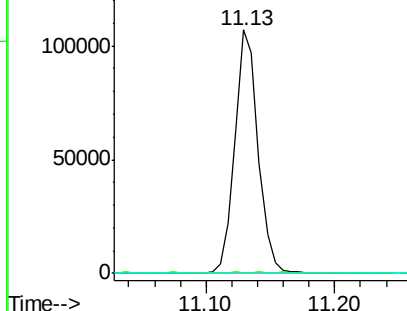
89 0.0 35.4 53.0#



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



#95

Naphthalene

Concen: 0.99 ug/l

RT: 13.82 min Scan# 2122

Delta R.T. -0.01 min

Lab File: VX014839.D

Acq: 06 Feb 2020 11:24

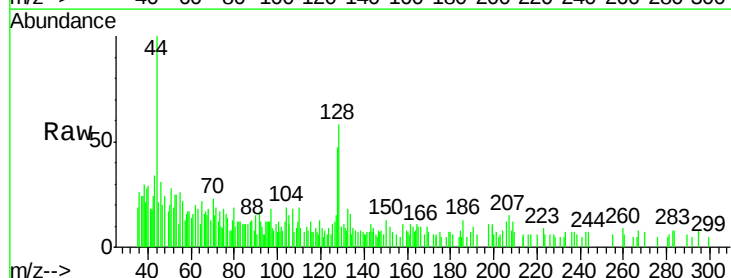
Tgt Ion: 128 Resp: 1256

Ion Ratio Lower Upper

128 100

127 30.8 10.3 15.5#

129 24.6 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

