

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX013020\
 Data File : VX014769.D
 Acq On : 30 Jan 2020 10:53
 Operator : JC/SP
 Sample : VX0130WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 30 17:22:10 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	421620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	668834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	610497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	275301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	251800	51.14	ug/l	0.00
Spiked Amount						
				Recovery	=	102.28%
35) Dibromofluoromethane	5.48	113	207105	49.07	ug/l	0.00
Spiked Amount						
				Recovery	=	98.14%
50) Toluene-d8	8.71	98	796573	49.10	ug/l	0.00
Spiked Amount						
				Recovery	=	98.20%
62) 4-Bromofluorobenzene	11.13	95	265566	45.95	ug/l	0.00
Spiked Amount						
				Recovery	=	91.90%

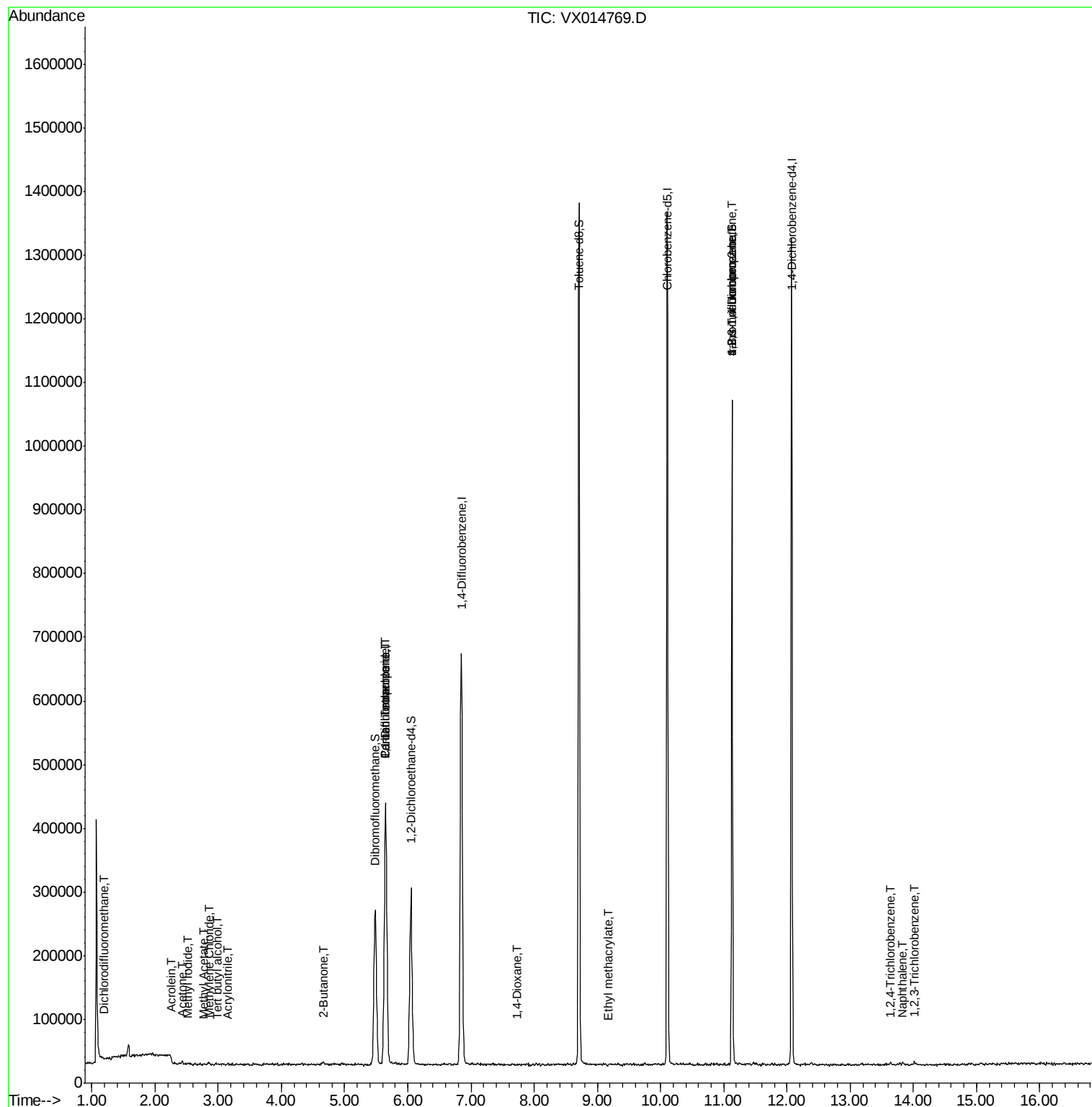
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	343	0.591	ug/l	100
6) Chloroethane	1.71	64	748	Below Cal	#	43
10) Methyl Iodide	2.51	142	1569	0.284	ug/l #	46
11) Tert butyl alcohol	2.99	59	360	0.326	ug/l #	19
13) Acrolein	2.26	56	200	0.229	ug/l #	14
15) Acrylonitrile	3.14	53	835	0.326	ug/l #	68
16) Acetone	2.43	43	5971	2.362	ug/l	90
18) Methyl Acetate	2.76	43	2072	0.269	ug/l #	52
20) Methylene Chloride	2.85	84	1462	0.293	ug/l #	62
25) 2-Butanone	4.67	43	1057	0.273	ug/l #	55
36) 1,1-Dichloropropene	5.64	75	29345	4.722	ug/l #	43
38) Carbon Tetrachloride	5.65	117	36547	6.157	ug/l #	17
41) Methacrylonitrile	5.03	41	58	Below Cal	#	1
49) 1,4-Dioxane	7.74	88	797	6.751	ug/l #	78
56) Ethyl methacrylate	9.18	69	296	1.819	ug/l #	94
76) 1,2,3-Trichloropropane	11.13	75	131529	20.535	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	131529	58.439	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.64	180	1239	0.207	ug/l #	83
95) Naphthalene	13.83	128	3144	1.091	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.02	180	1564	0.258	ug/l	96

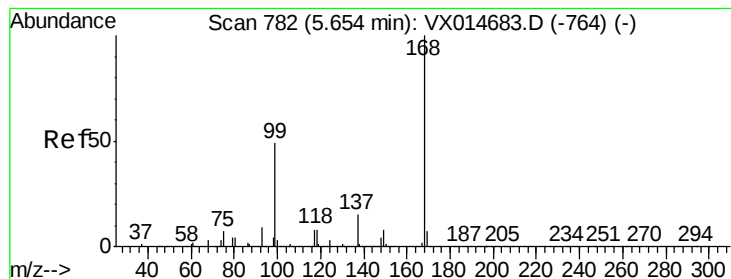
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX013020\
Data File : VX014769.D
Acq On : 30 Jan 2020 10:53
Operator : JC/SP
Sample : VX0130WBL01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jan 30 17:22:10 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

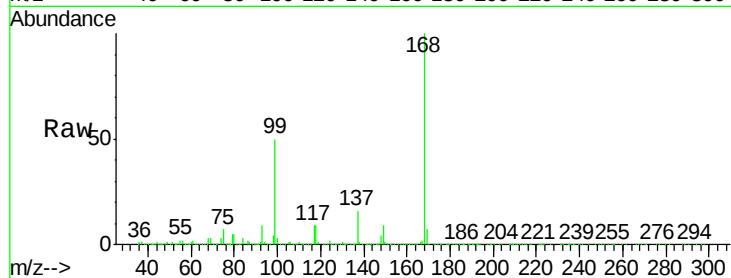
ClientSampleId :

Tot Ion:168 Resp: 421620

Ion Ratio Lower Upper

168 100

99 50.0 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

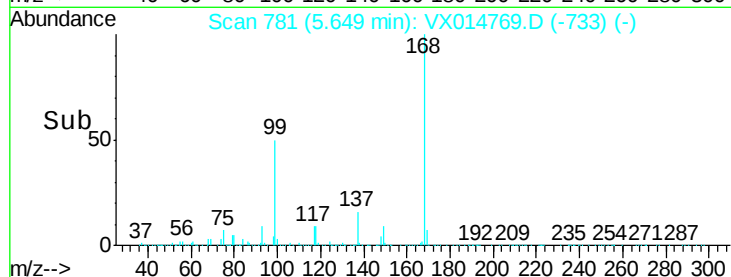
150000

100000

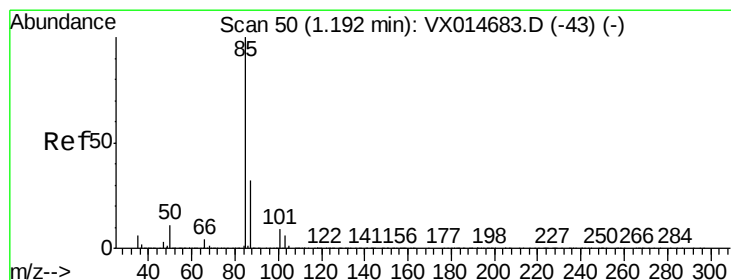
50000

0

5.50 5.60 5.70 5.80



Time-->



#2

Dichlorodifluoromethane

Concen: 0.591 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX014769.D

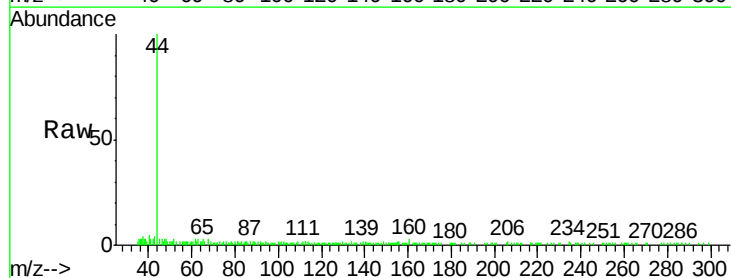
Acq: 30 Jan 2020 10:53

Tgt Ion: 85 Resp: 343

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

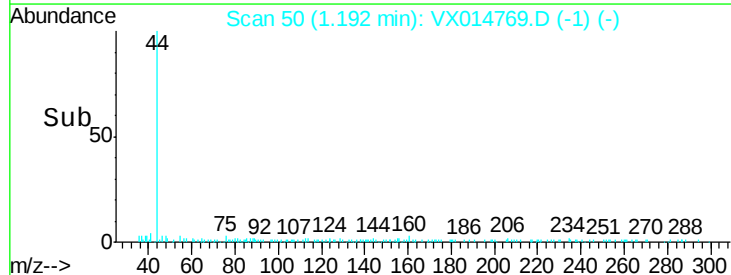
300

200

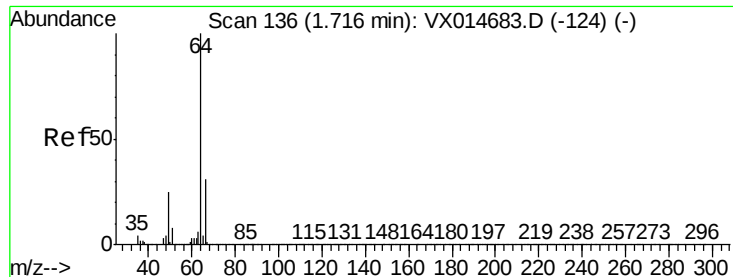
100

0

1.18 1.20 1.22



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

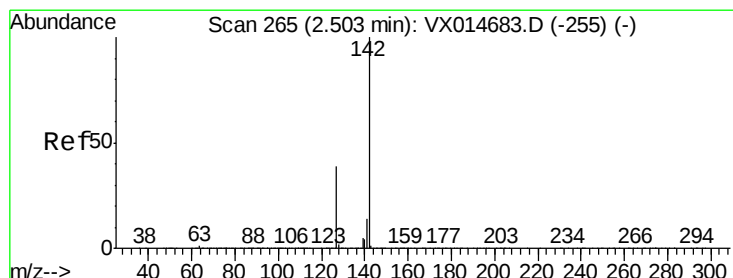
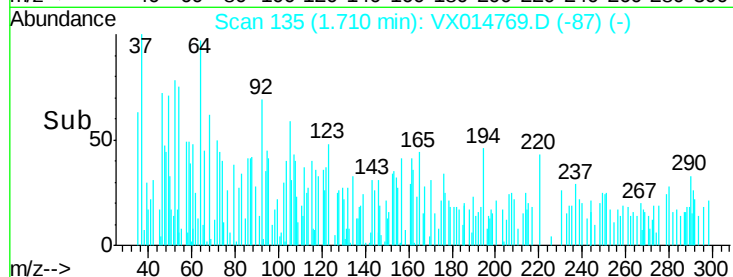
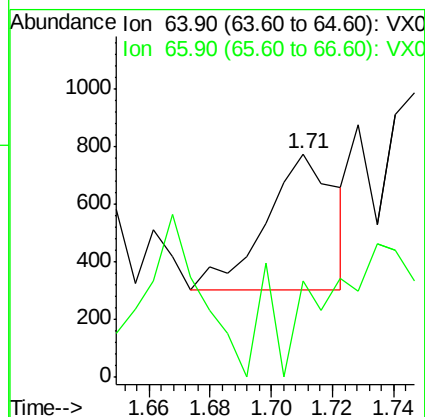
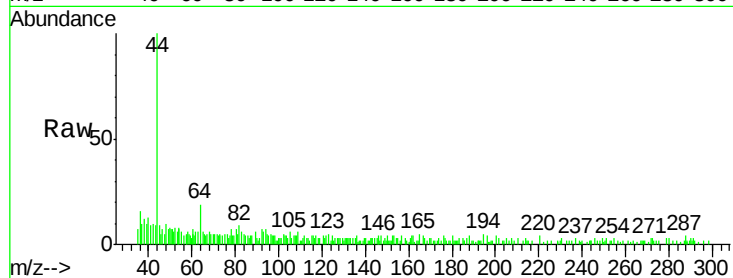
ClientSampled :

Tot Ion: 64 Resp: 748

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#10

Methyl Iodide

Concen: 0.284 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

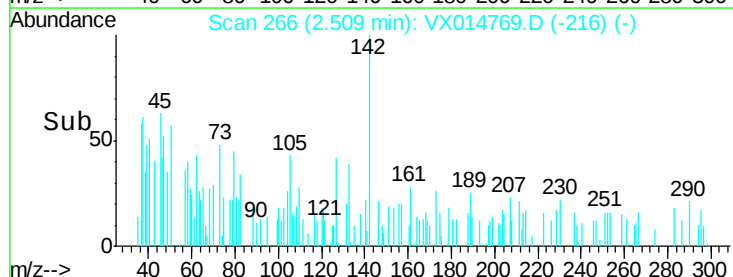
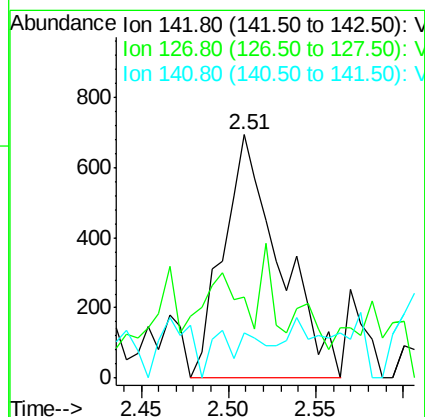
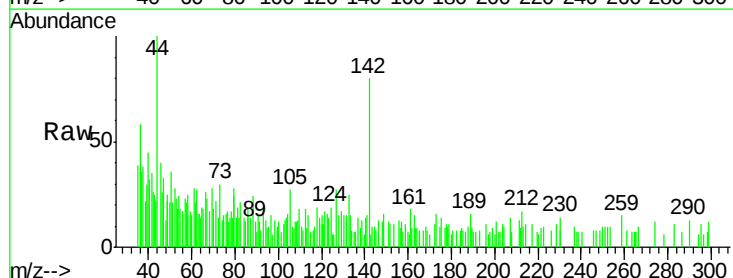
Tgt Ion: 142 Resp: 1569

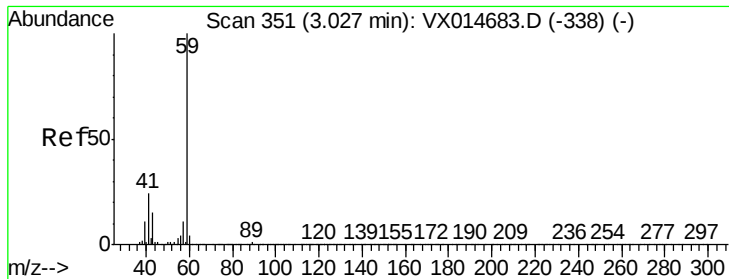
Ion Ratio Lower Upper

142 100

127 0.0 31.1 46.7#

141 3.8 11.3 16.9#



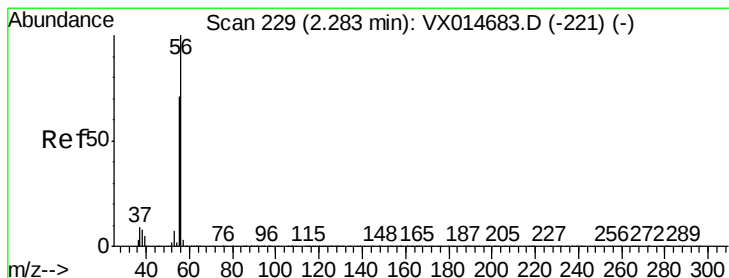
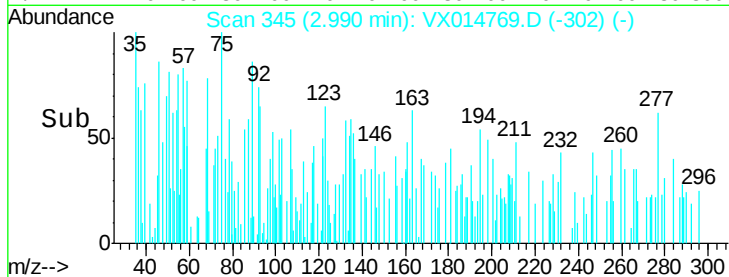
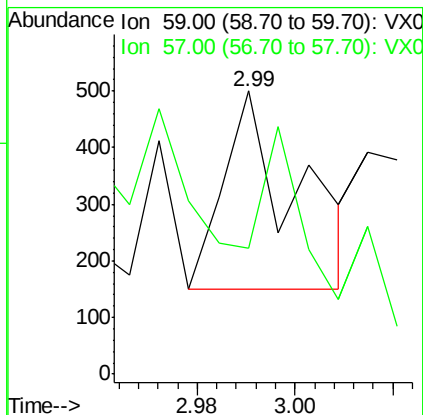
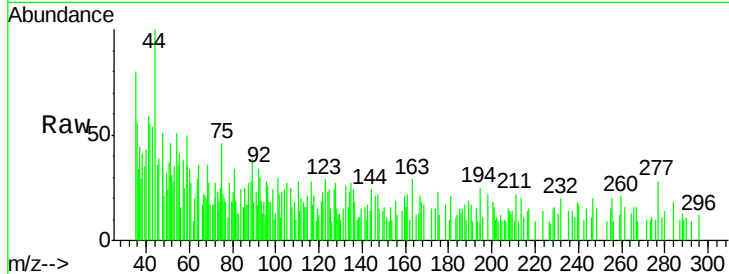


#11

Tert butyl alcohol
 Concen: 0.326 ug/l
 RT: 2.99 min Scan# 345
 Delta R.T. -0.04 min
 Lab File: VX014769.D
 Acq: 30 Jan 2020 10:53

Instrument :
 MSVOA_X
 ClientSampled :

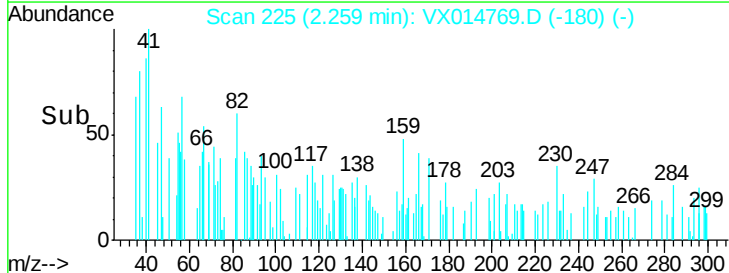
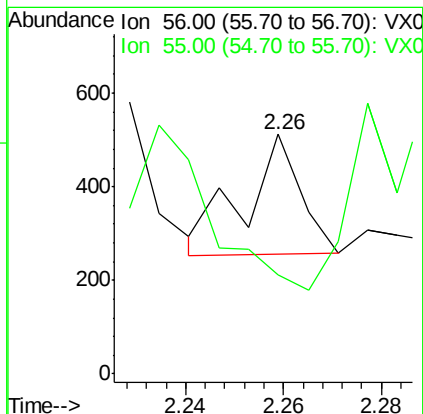
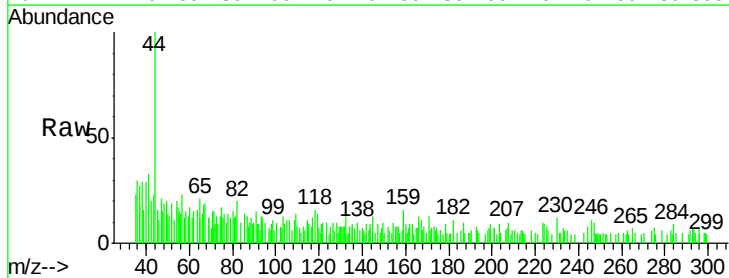
Tot Ion: 59 Resp: 360
 Ion Ratio Lower Upper
 59 100
 57 40.8 8.3 12.5#

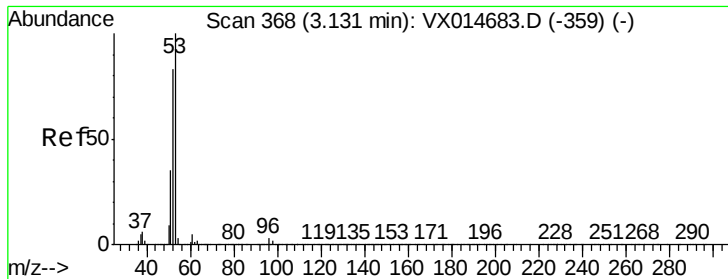


#13

Acrolein
 Concen: 0.229 ug/l
 RT: 2.26 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VX014769.D
 Acq: 30 Jan 2020 10:53

Tgt Ion: 56 Resp: 200
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.6 84.8#





#15

Acrylonitrile

Concen: 0.326 ug/l

RT: 3.14 min Scan# 369

Delta R.T. 0.01 min

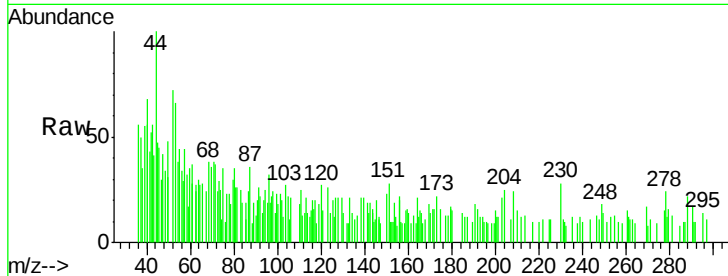
Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

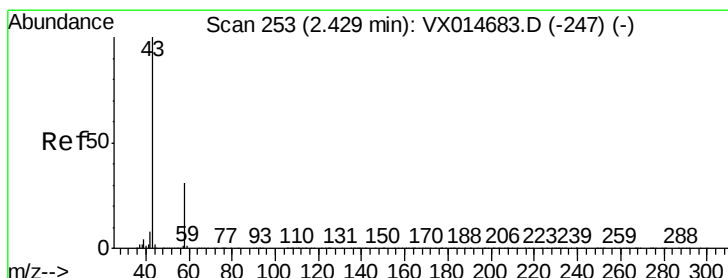
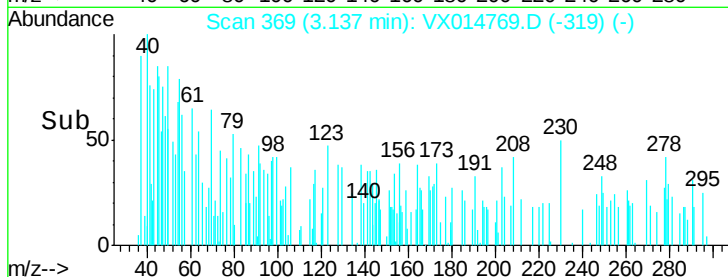
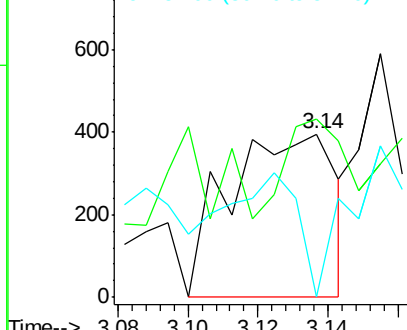
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 53 Resp: 835

Ion	Ratio	Lower	Upper
53	100		
52	52.7	66.4	99.6#
51	53.1	28.7	43.1#



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: 2.362 ug/l

RT: 2.43 min Scan# 253

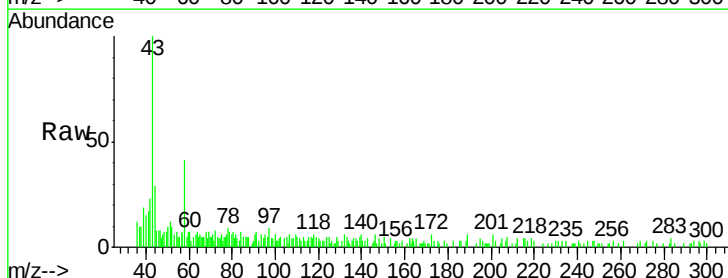
Delta R.T. 0.00 min

Lab File: VX014769.D

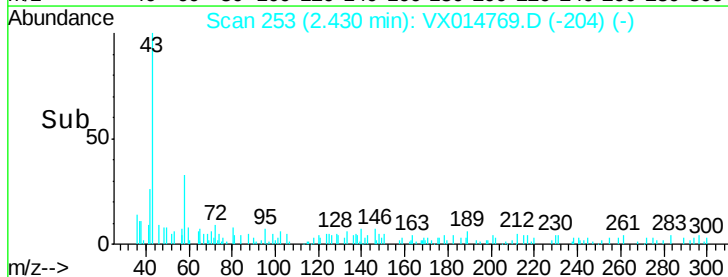
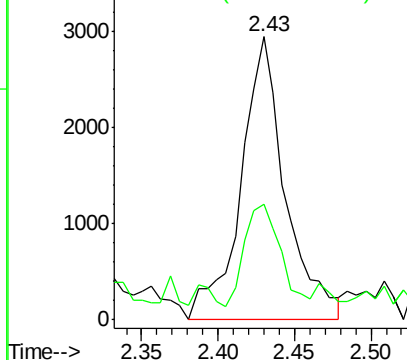
Acq: 30 Jan 2020 10:53

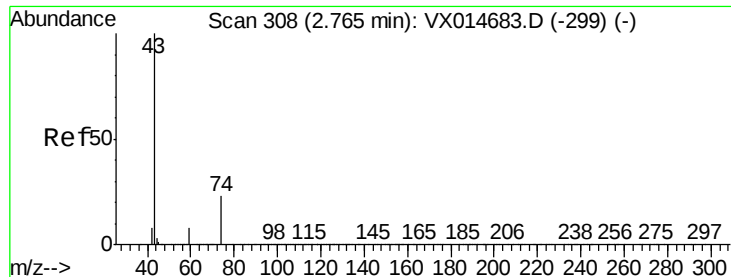
Tgt Ion: 43 Resp: 5971

Ion	Ratio	Lower	Upper
43	100		
58	36.0	24.5	36.7



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

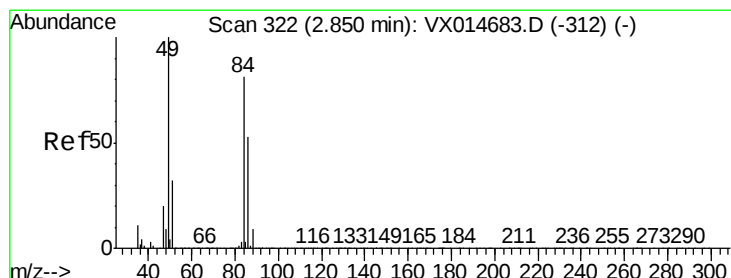
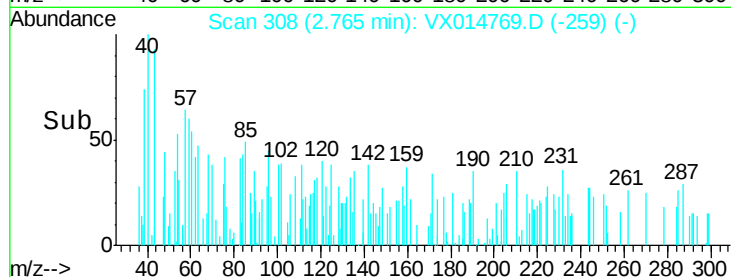
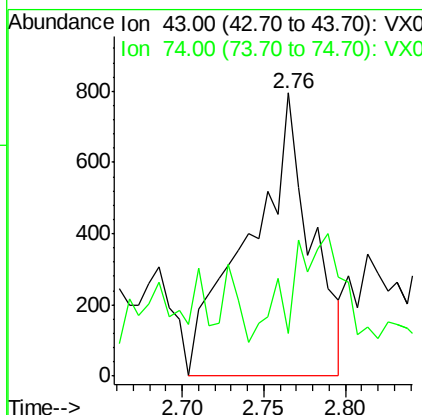
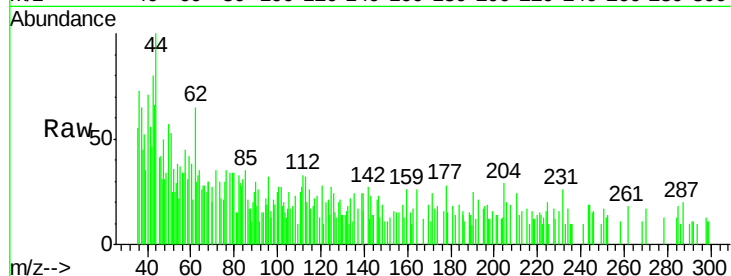




#18
Methyl Acetate
Concen: 0.269 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014769.D
Acq: 30 Jan 2020 10:53

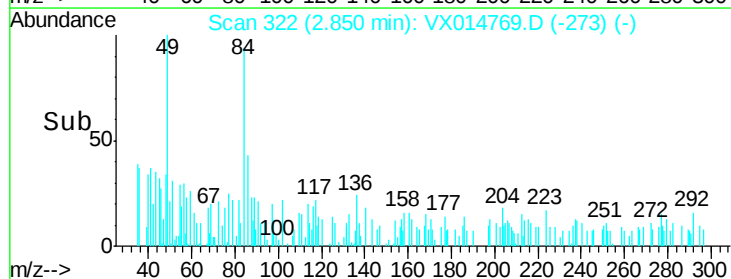
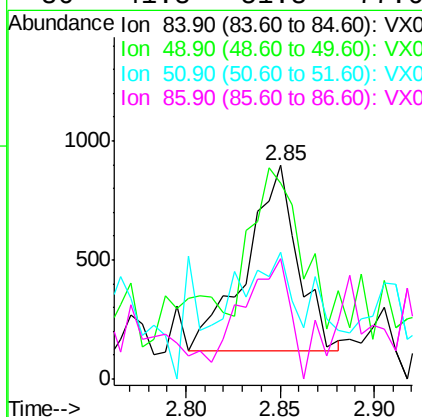
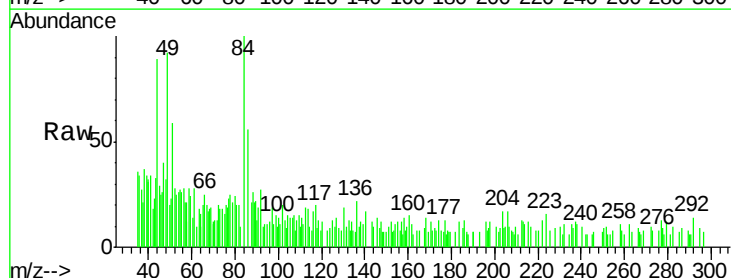
Instrument :
MSVOA_X
ClientSampled :

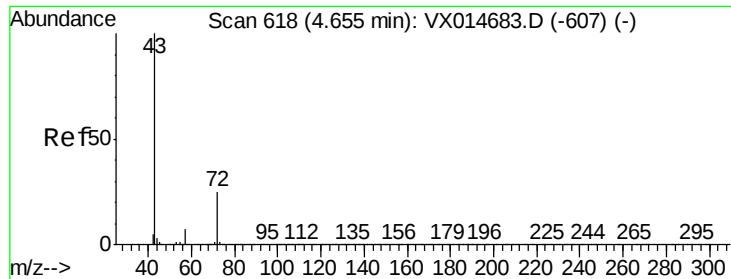
Tot Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
74 0.0 18.5 27.7#



#20
Methylene Chloride
Concen: 0.293 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014769.D
Acq: 30 Jan 2020 10:53

Tgt Ion: 84 Resp: 1462
Ion Ratio Lower Upper
84 100
49 62.1 98.2 147.4#
51 41.9 31.3 46.9
86 41.8 51.8 77.6#

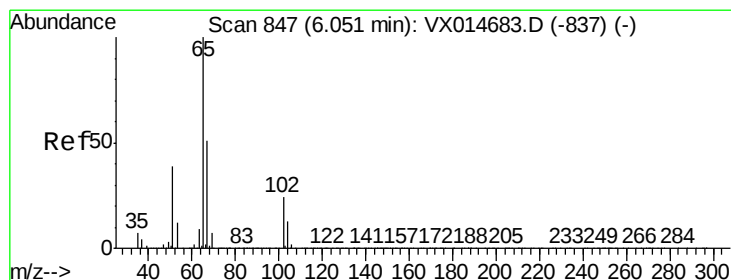
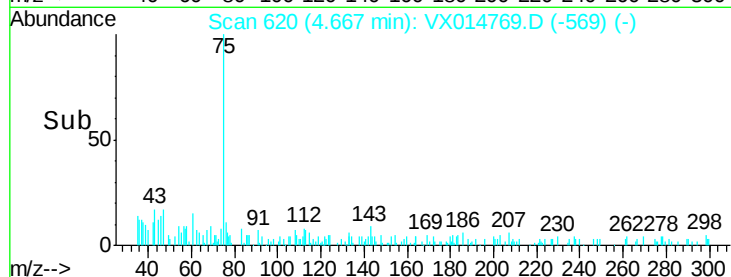
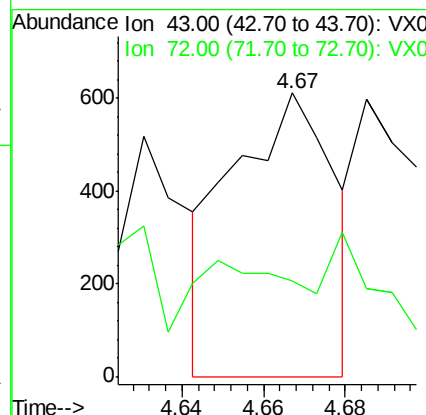
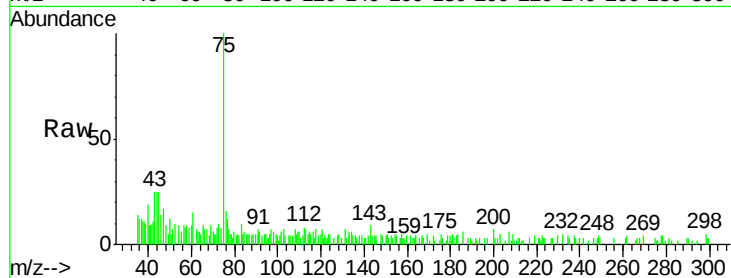




#25
2-Butanone
Concen: 0.273 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014769.D
Acq: 30 Jan 2020 10:53

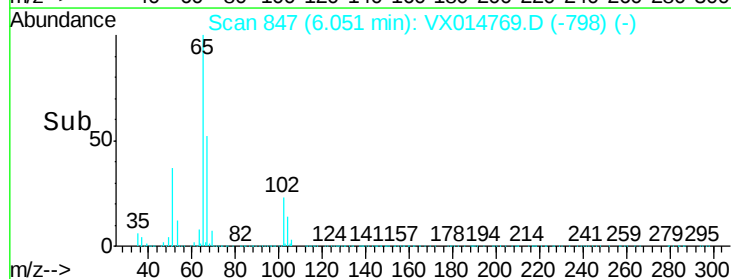
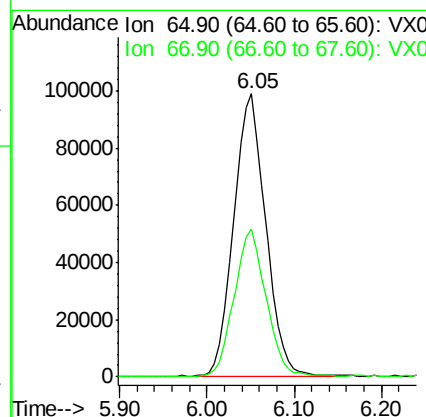
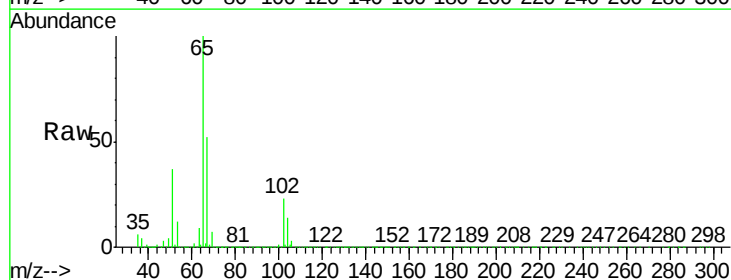
Instrument :
MSVOA_X
ClientSampleId :

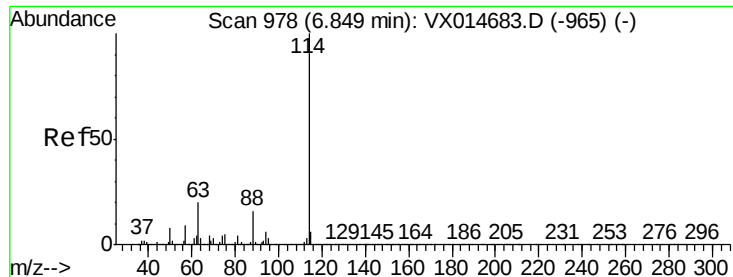
Tot Ion: 43 Resp: 1057
Ion Ratio Lower Upper
43 100
72 2.3 19.9 29.9#



#33
1,2-Dichloroethane-d4
Concen: 51.142 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014769.D
Acq: 30 Jan 2020 10:53

Tgt Ion: 65 Resp: 251800
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

ClientSampleId :

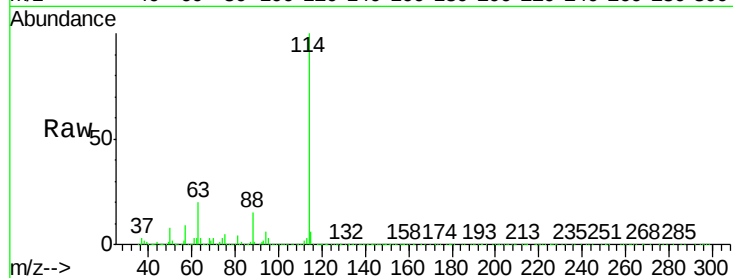
Tot Ion:114 Resp: 668834

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

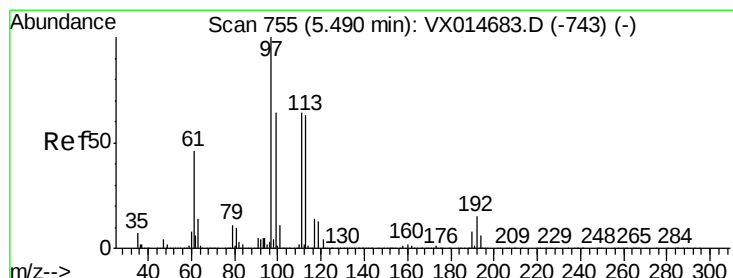
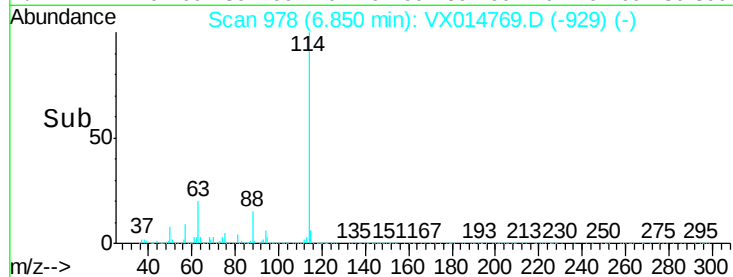
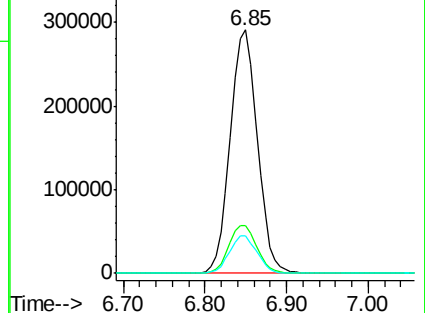
88 15.2 0.0 31.2



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: 49.074 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

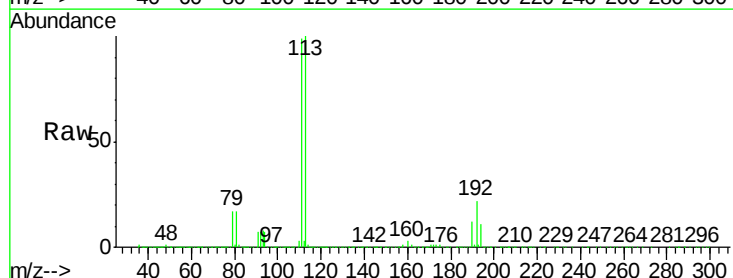
Tgt Ion:113 Resp: 207105

Ion Ratio Lower Upper

113 100

111 103.9 80.7 121.1

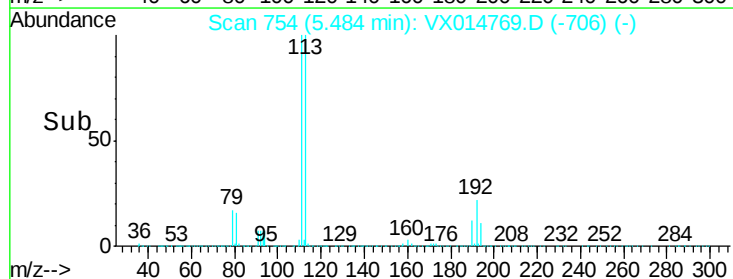
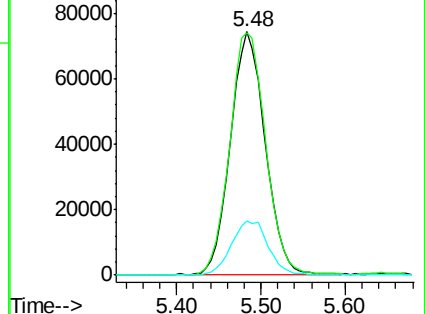
192 23.2 18.5 27.7

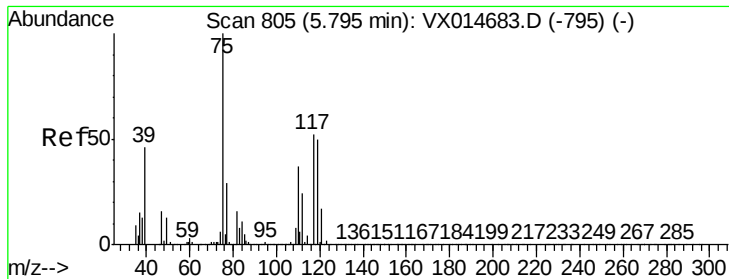


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

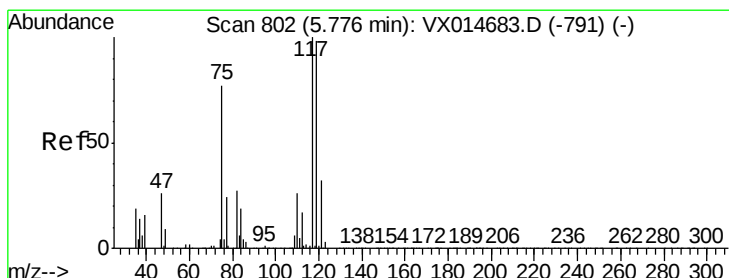
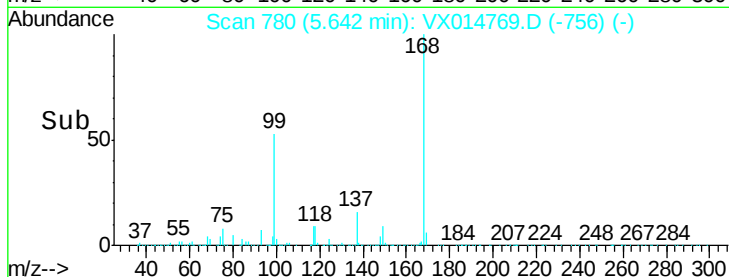
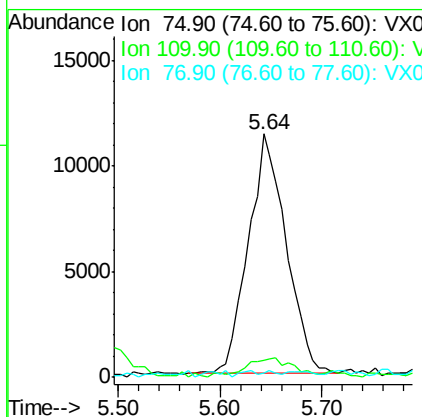
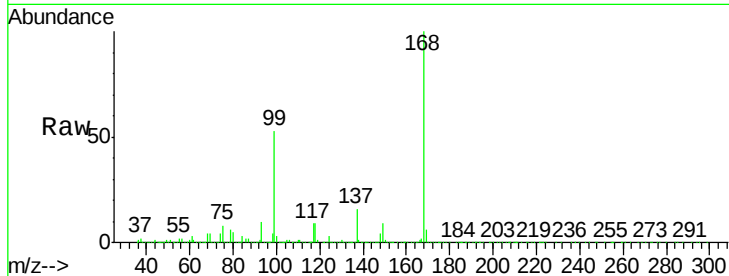




#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014769.D
 Acq: 30 Jan 2020 10:53

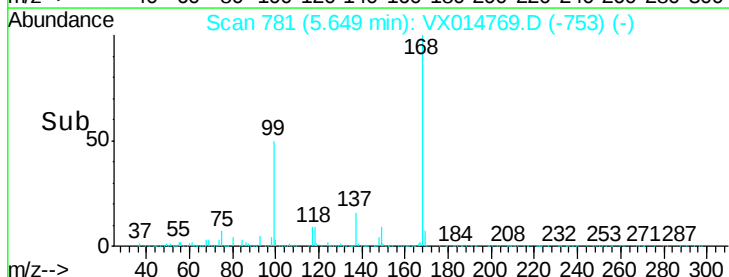
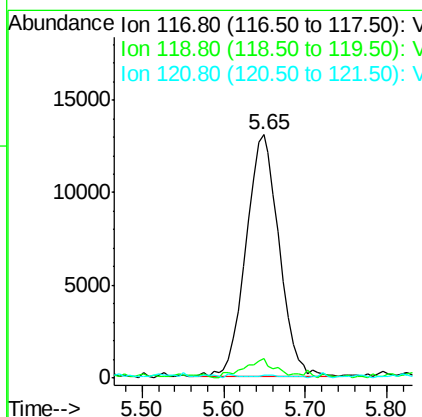
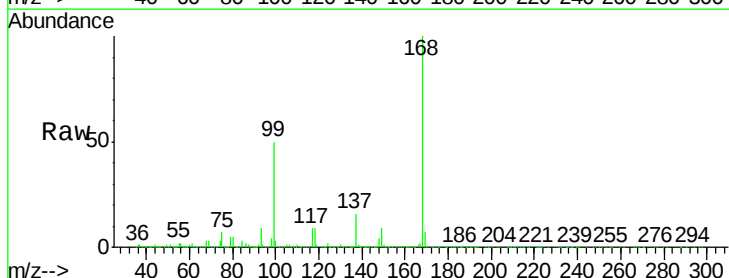
Instrument :
 MSVOA_X
 ClientSampleId :

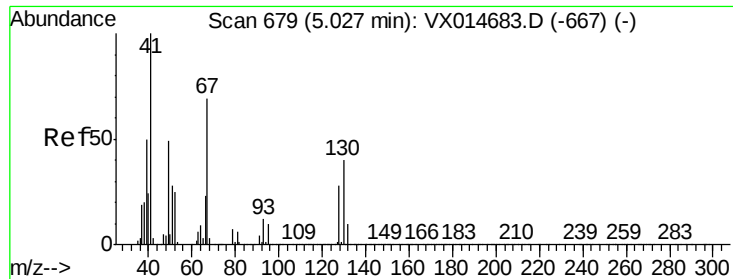
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	1.2	24.1	36.1#



#38
 Carbon Tetrachloride
 Concen: 6.157 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX014769.D
 Acq: 30 Jan 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.5	77.9	116.9#
121	0.4	25.4	38.2#

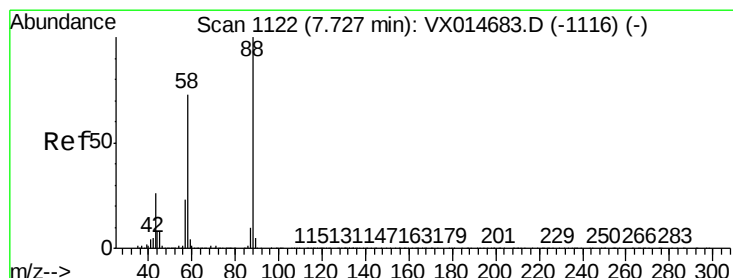
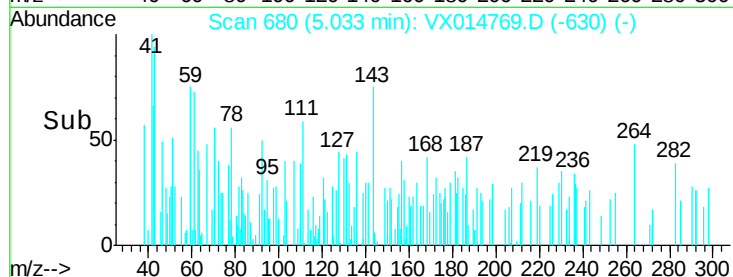
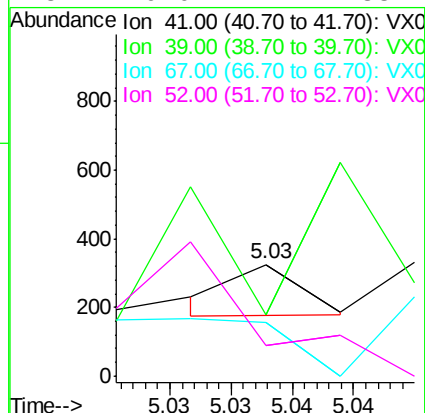
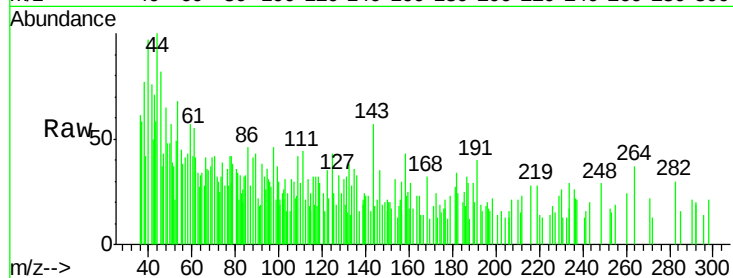




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.03 min Scan# 680
Delta R.T. 0.01 min
Lab File: VX014769.D
Acq: 30 Jan 2020 10:53

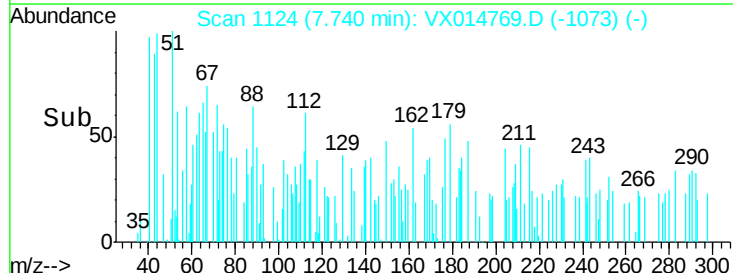
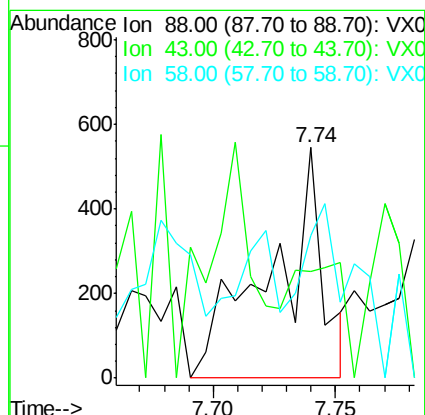
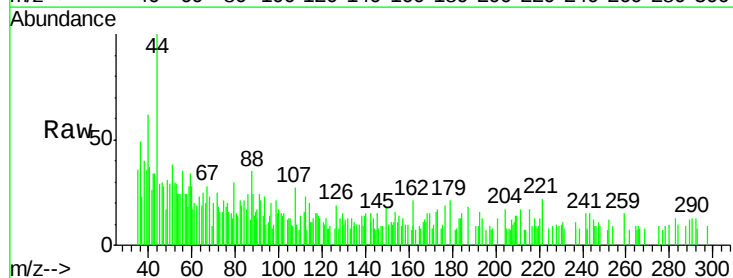
Instrument :
MSVOA_X
ClientSampled :

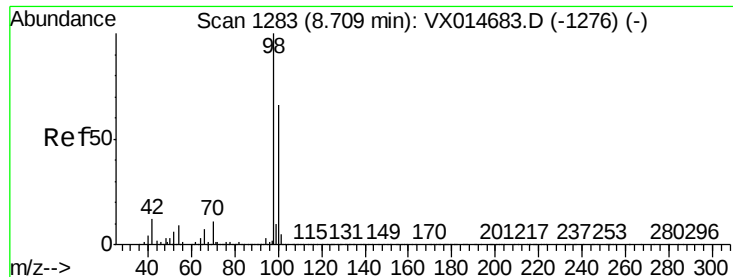
Tot Ion:	41	Resp:	58
Ion	Ratio	Lower	Upper
41	100		
39	260.3	42.2	63.2#
67	0.0	55.4	83.0#
52	0.0	22.1	33.1#



#49
1,4-Dioxane
Concen: 6.751 ug/l
RT: 7.74 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VX014769.D
Acq: 30 Jan 2020 10:53

Tgt Ion:	88	Resp:	797
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.2	39.2#
58	75.4	56.6	85.0





#50

Toluene-d8

Concen: 49.097 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

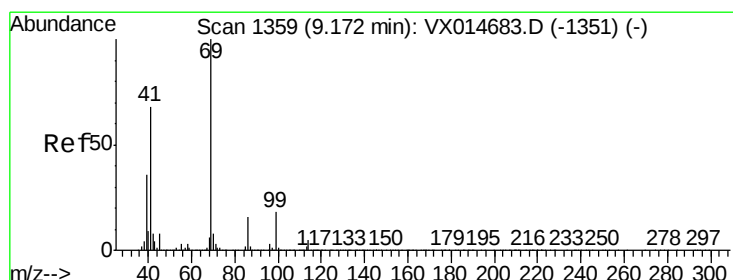
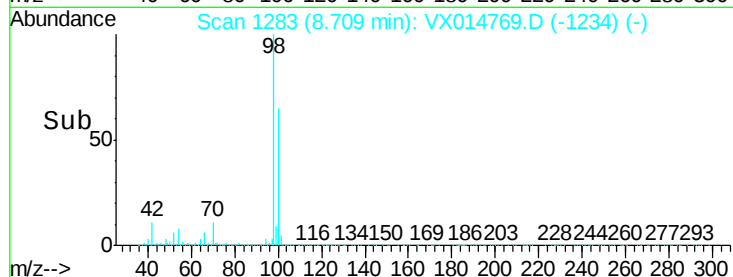
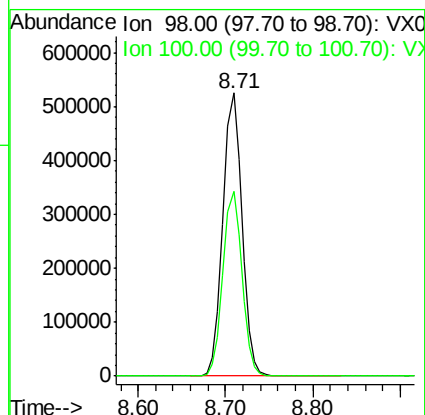
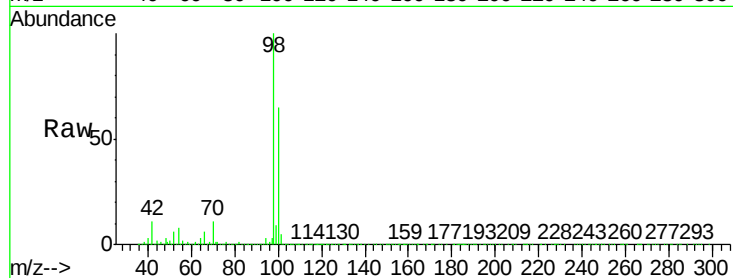
ClientSampled :

Tot Ion: 98 Resp: 796573

Ion Ratio Lower Upper

98 100

100 65.2 53.0 79.6



#56

Ethyl methacrylate

Concen: 1.819 ug/l

RT: 9.18 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

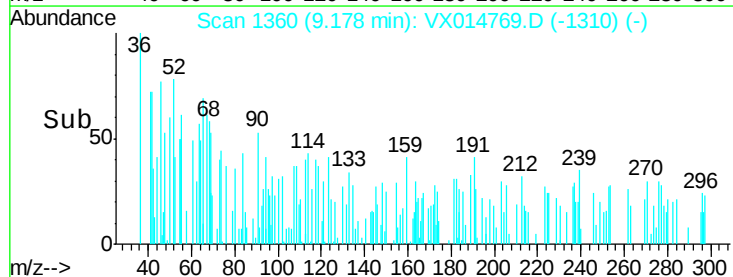
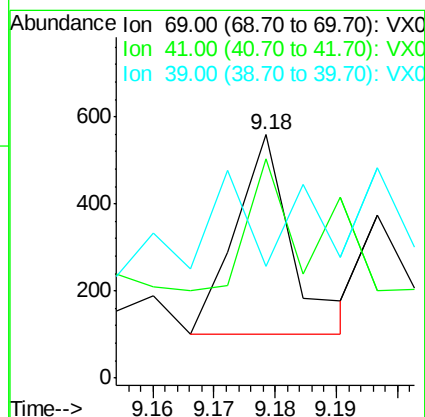
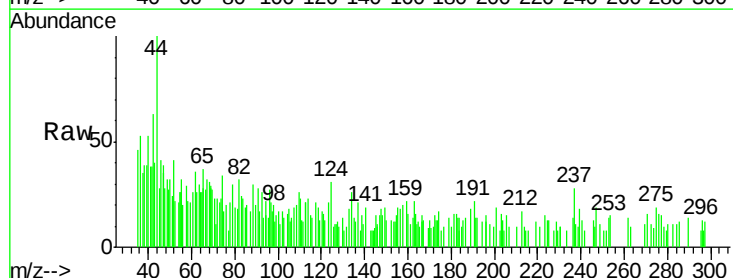
Tgt Ion: 69 Resp: 296

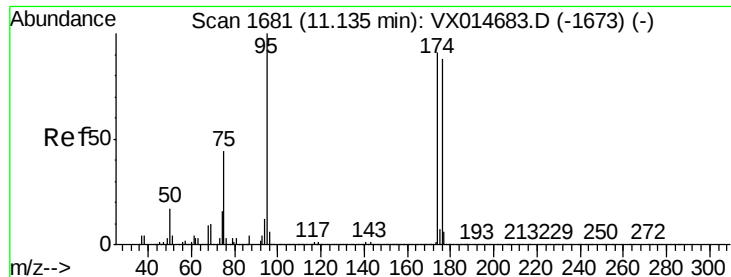
Ion Ratio Lower Upper

69 100

41 69.9 54.9 82.3

39 29.1 29.3 43.9#





#62

4-Bromofluorobenzene

Concen: 45.949 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

ClientSampleId :

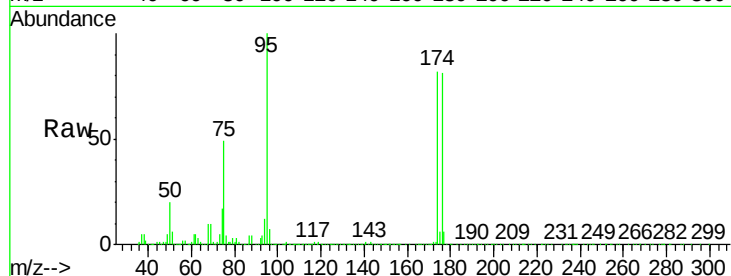
Tot Ion: 95 Resp: 265566

Ion Ratio Lower Upper

95 100

174 89.9 0.0 176.0

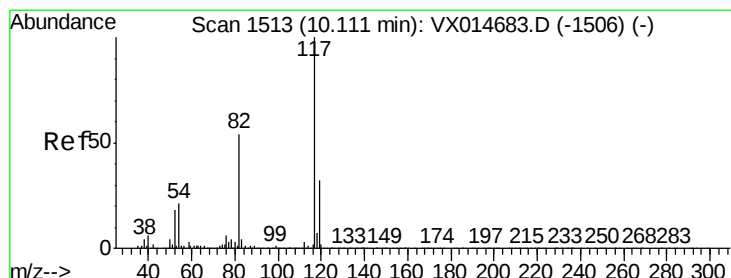
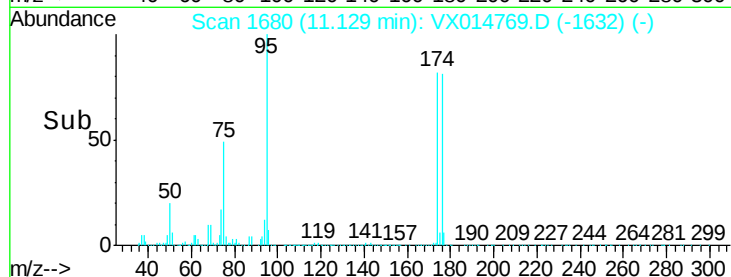
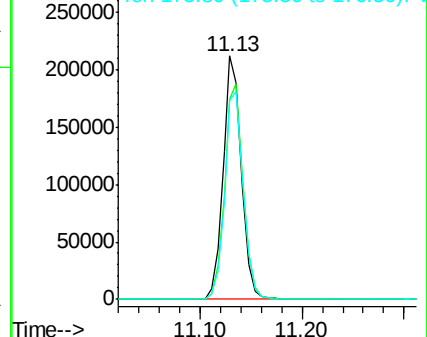
176 87.1 0.0 172.2



Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014683.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014683.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

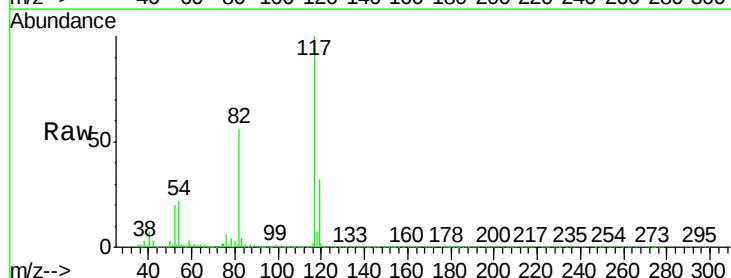
Tgt Ion: 117 Resp: 610497

Ion Ratio Lower Upper

117 100

82 55.9 43.2 64.8

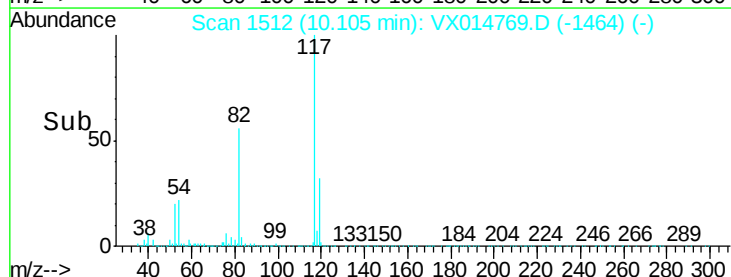
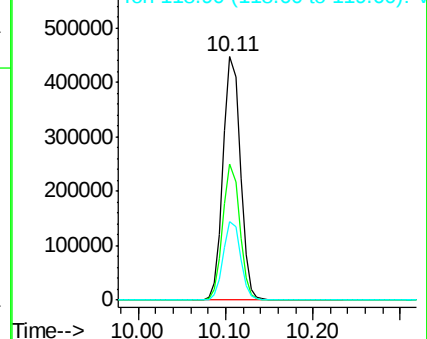
119 31.9 25.8 38.6

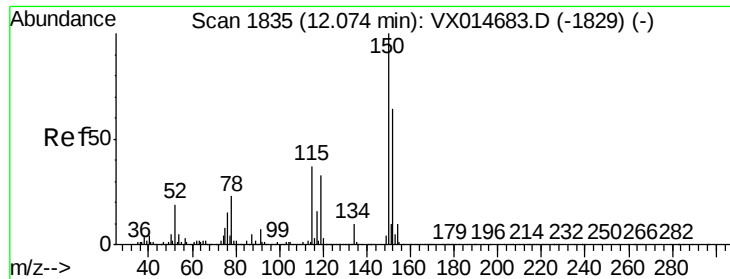


Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX014683.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX014683.D (-1506) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

ClientSampleId :

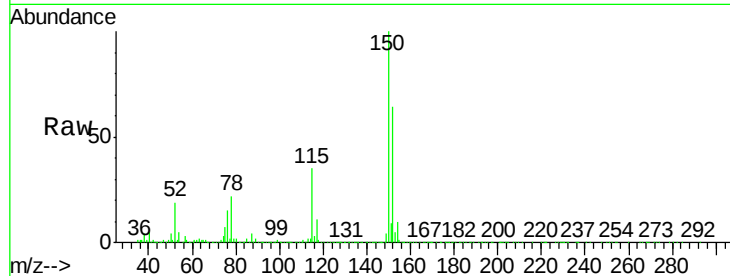
Tot Ion:152 Resp: 275301

Ion Ratio Lower Upper

152 100

115 54.6 39.4 118.1

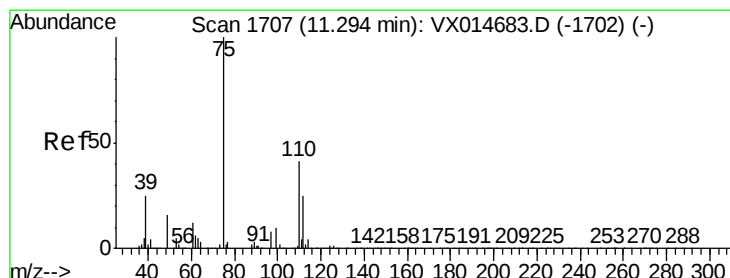
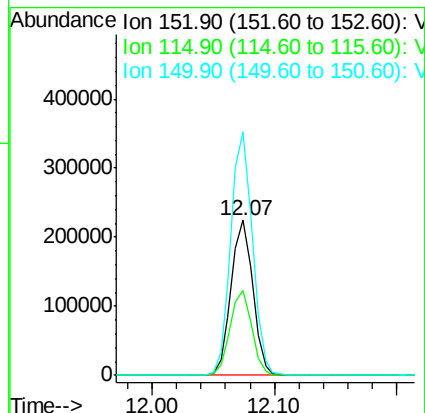
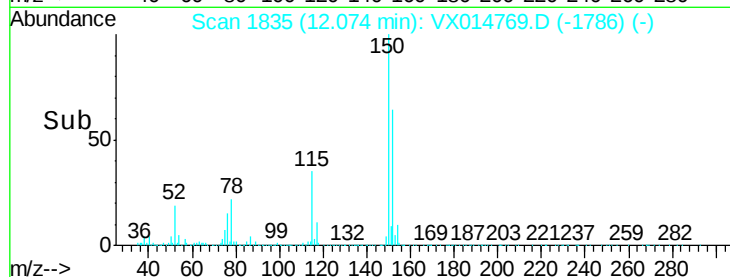
150 155.9 0.0 351.2



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: 20.535 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014769.D

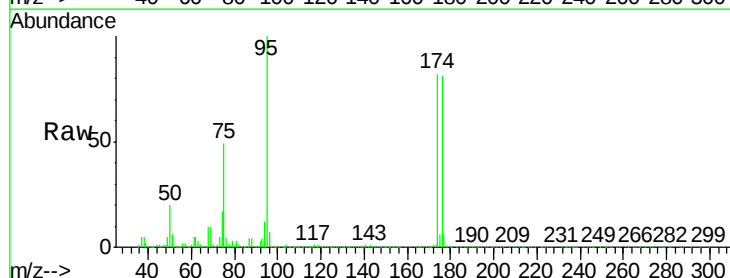
Acq: 30 Jan 2020 10:53

Tgt Ion: 75 Resp: 131529

Ion Ratio Lower Upper

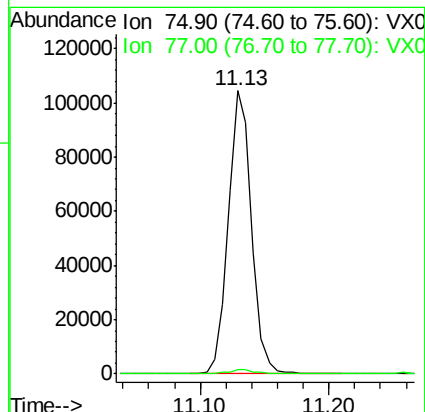
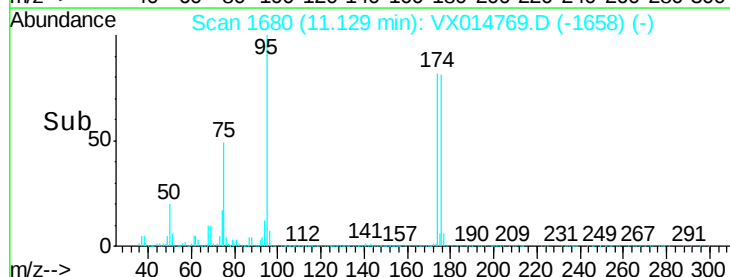
75 100

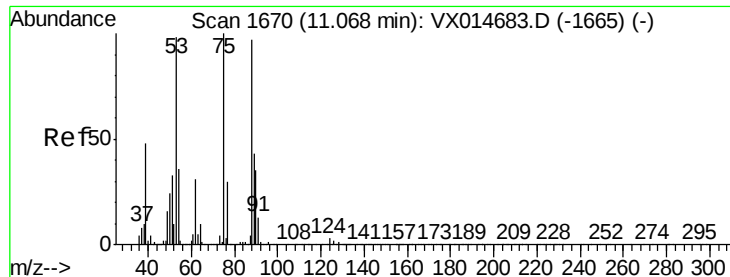
77 1.7 18.7 56.1#



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: 58.439 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

ClientSampleId :

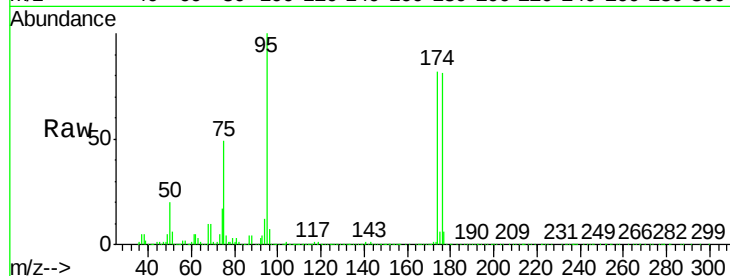
Tot Ion: 75 Resp: 131529

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

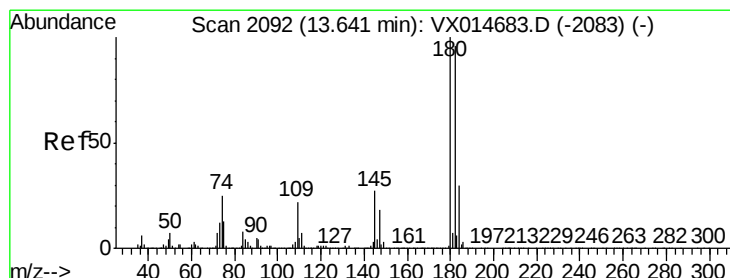
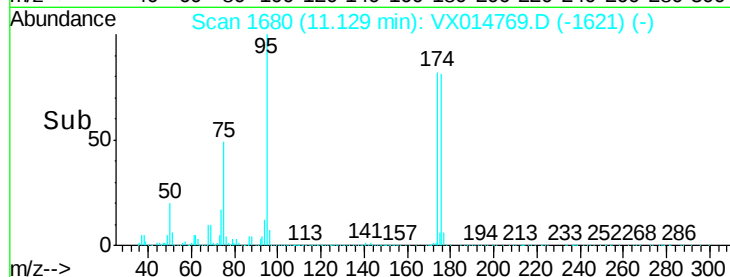
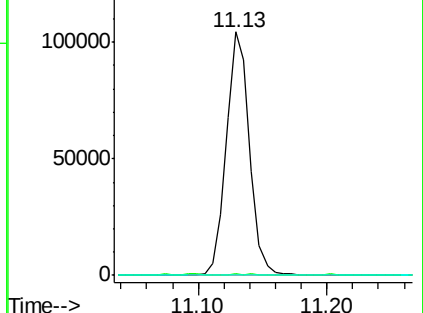
89 0.1 35.4 53.0#



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



#93

1,2,4-Trichlorobenzene

Concen: 0.207 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

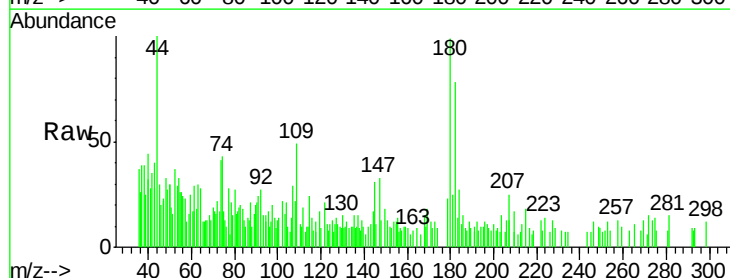
Tgt Ion: 180 Resp: 1239

Ion Ratio Lower Upper

180 100

182 92.9 48.5 145.6

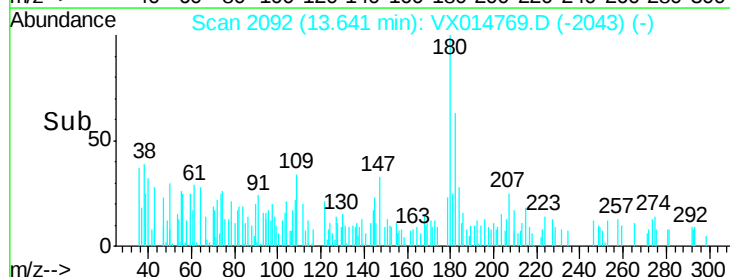
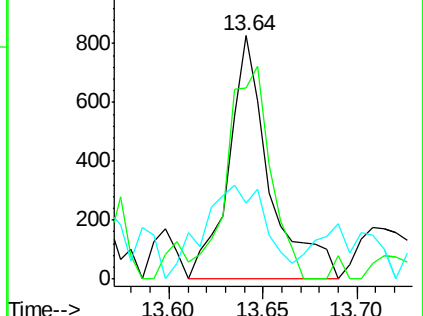
145 59.8 14.0 41.9#

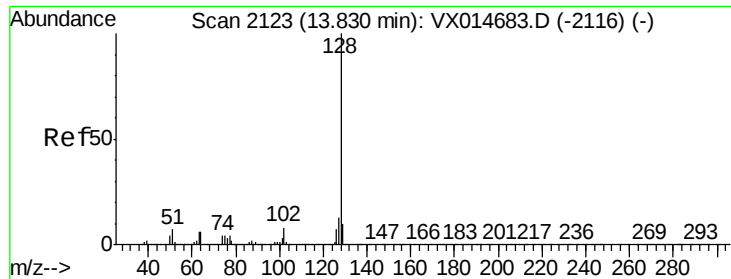


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 1.091 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

Instrument :

MSVOA_X

ClientSampleId :

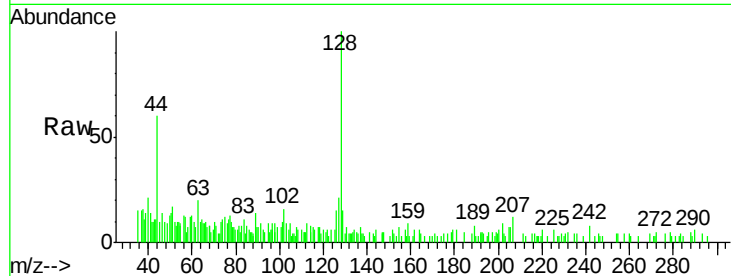
Tot Ion:128 Resp: 3144

Ion Ratio Lower Upper

128 100

127 21.8 10.3 15.5#

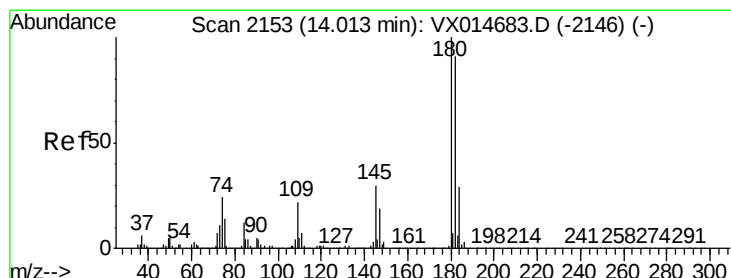
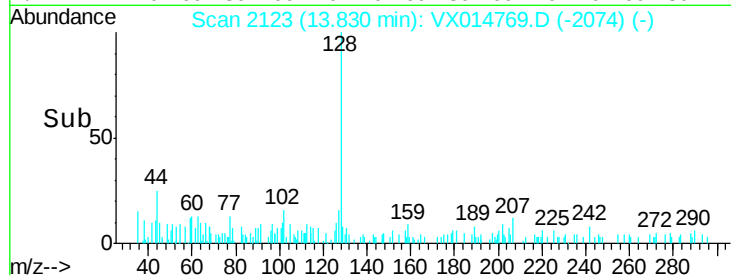
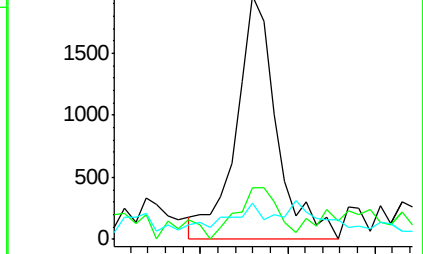
129 11.5 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.258 ug/l

RT: 14.02 min Scan# 2154

Delta R.T. 0.01 min

Lab File: VX014769.D

Acq: 30 Jan 2020 10:53

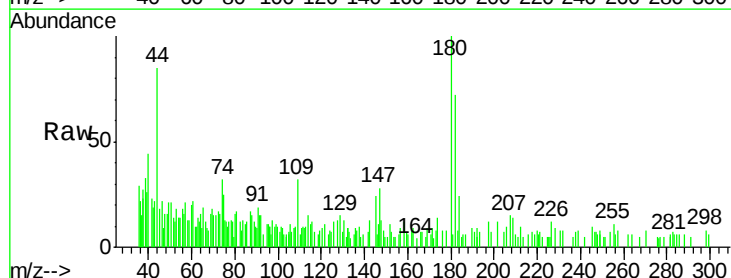
Tgt Ion:180 Resp: 1564

Ion Ratio Lower Upper

180 100

182 88.8 46.6 139.7

145 31.8 14.7 44.1



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

