

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014727.D
 Acq On : 27 Jan 2020 15:31
 Operator : JC/SP
 Sample : PB126339TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 03:17:02 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	463780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	720786	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	667785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	301864	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	268652	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
35) Dibromofluoromethane	5.49	113	221766	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	864704	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.13	95	294152	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

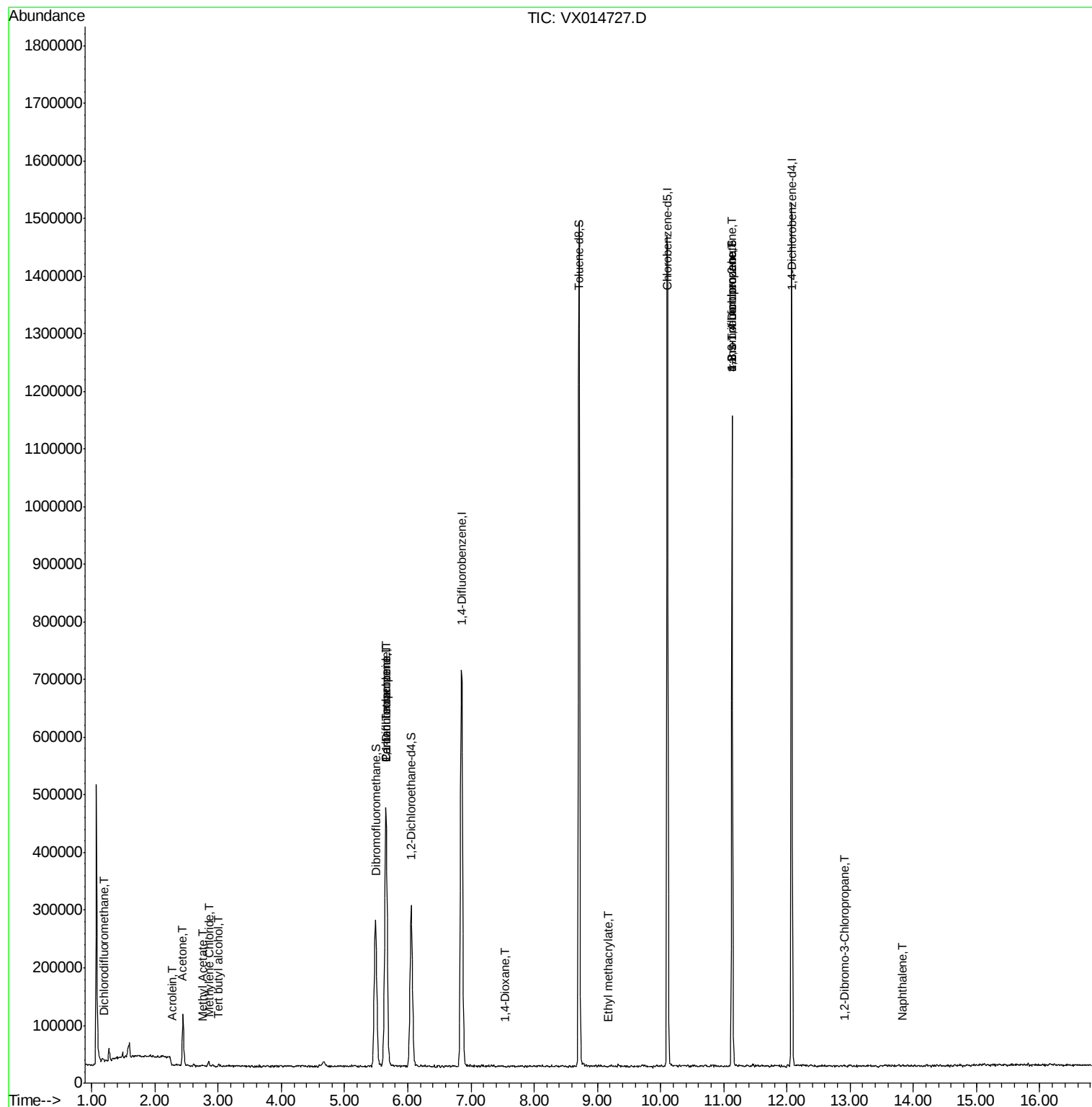
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	137	0.553	ug/l #	42
6) Chloroethane	1.64	64	910	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	2557	2.103	ug/l #	57
13) Acrolein	2.28	56	257	0.268	ug/l #	62
16) Acetone	2.43	43	6828	2.449	ug/l #	84
18) Methyl Acetate	2.76	43	1948	0.230	ug/l	95
20) Methylene Chloride	2.86	84	4422	0.805	ug/l #	81
36) 1,1-Dichloropropene	5.65	75	31052	4.636	ug/l #	52
38) Carbon Tetrachloride	5.65	117	41036	6.415	ug/l #	16
41) Methacrylonitrile	5.05	41	264	Below Cal	#	63
49) 1,4-Dioxane	7.54	88	386	3.034	ug/l	85
56) Ethyl methacrylate	9.17	69	164	1.802	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	147320	20.977	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	147320	59.695	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.91	75	447	0.275	ug/l	51
95) Naphthalene	13.83	128	952	0.976	ug/l #	61

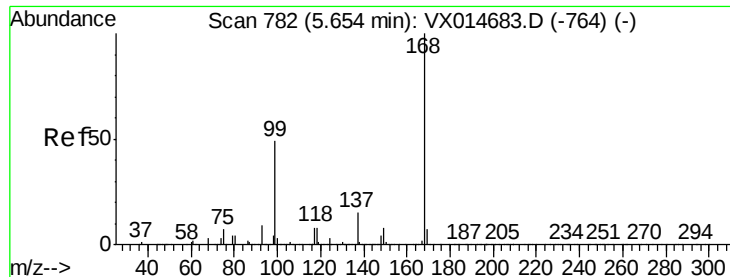
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
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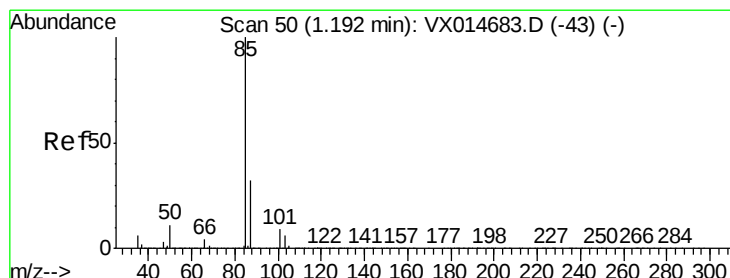
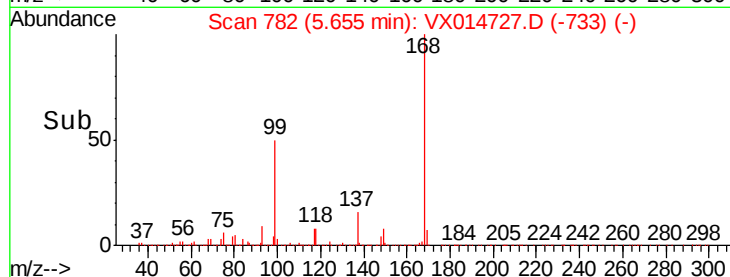
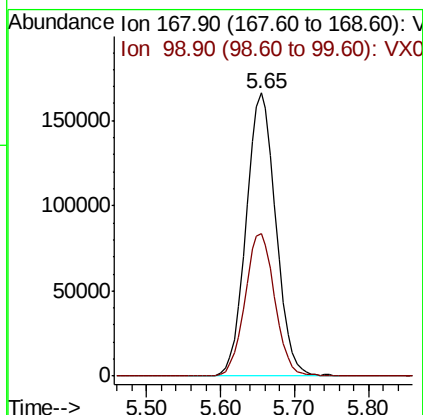
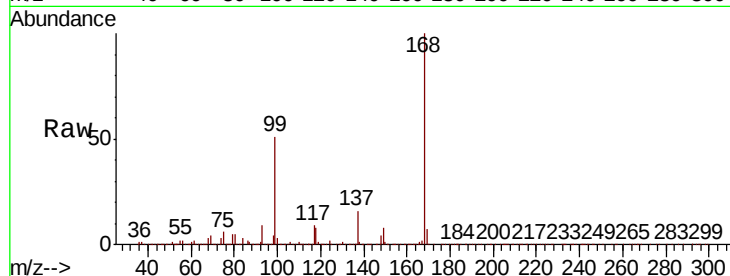


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.00 min
 Lab File: VX014727.D
 Acq: 27 Jan 2020 15:31

Instrument :
 MSVOA_X
 ClientSampleId :

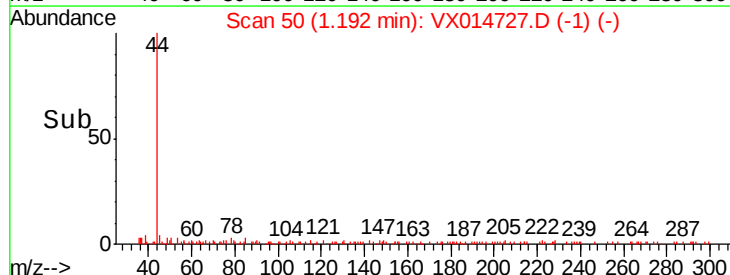
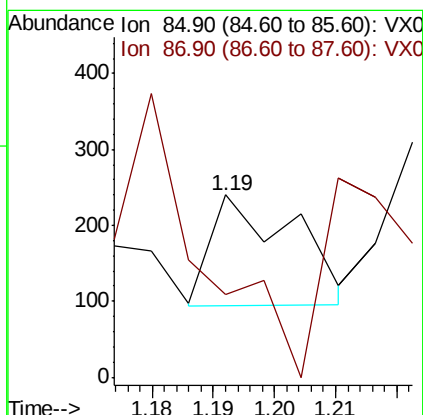
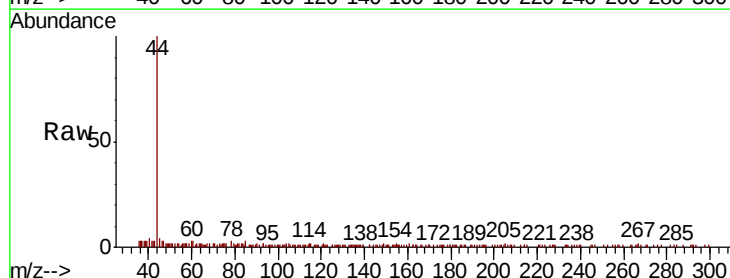
Tot Ion:168 Resp: 463780
 Ion Ratio Lower Upper
 168 100
 99 50.4 39.8 59.6

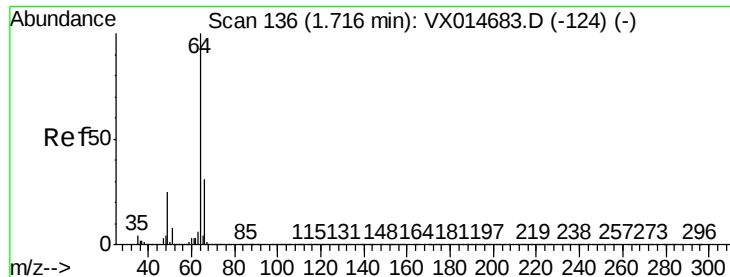


#2

Dichlorodifluoromethane
 Concen: 0.553 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX014727.D
 Acq: 27 Jan 2020 15:31

Tgt Ion: 85 Resp: 137
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.2 48.5#





#6

Chloroethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. -0.07 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

Instrument :

MSVOA_X

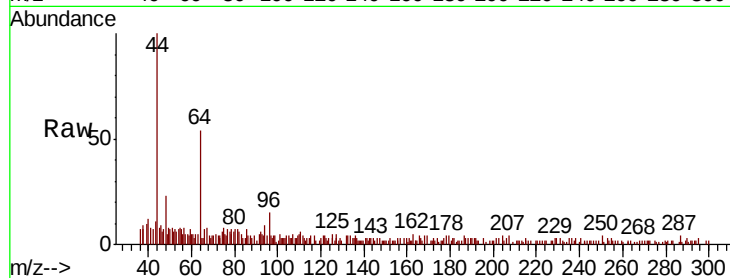
ClientSampled :

Tot Ion: 64 Resp: 910

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.64

2500

2000

1500

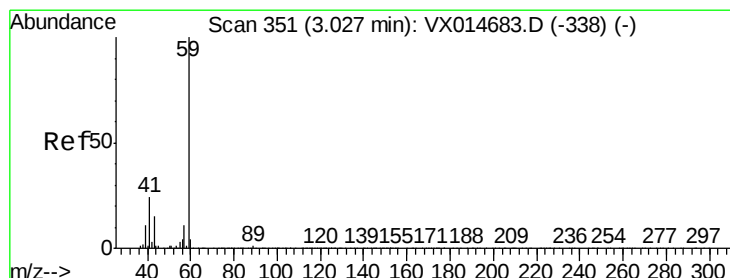
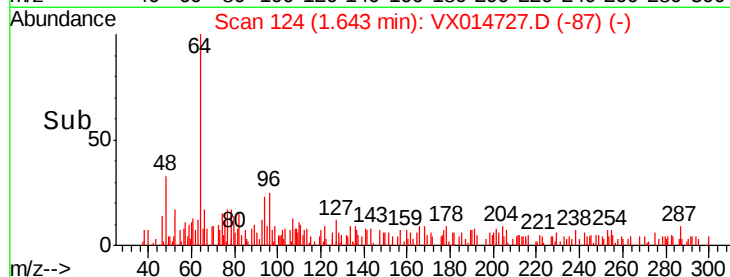
1000

500

0

Time-->

1.62 1.64 1.66 1.68



#11

Tert butyl alcohol

Concen: 2.103 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX014727.D

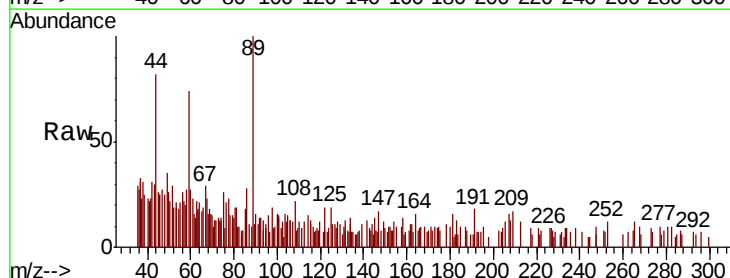
Acq: 27 Jan 2020 15:31

Tgt Ion: 59 Resp: 2557

Ion Ratio Lower Upper

59 100

57 26.5 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

800

600

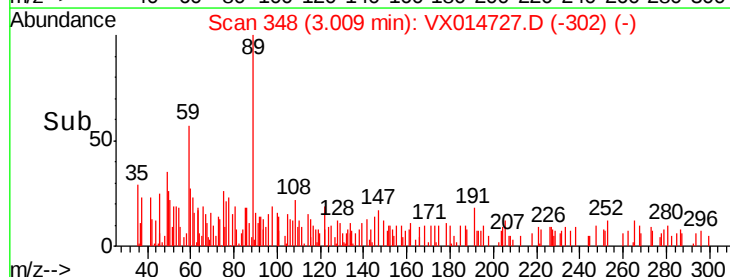
400

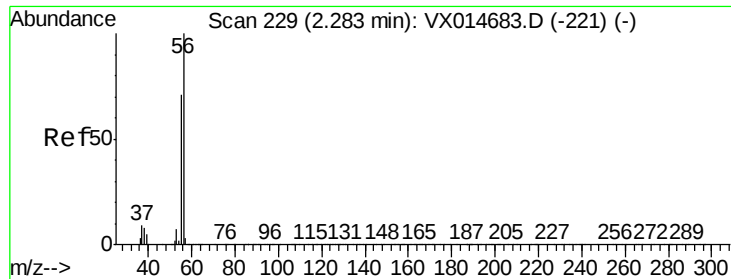
200

0

Time-->

2.90 2.95 3.00 3.05





#13

Acrolein

Concen: 0.268 ug/l

RT: 2.28 min Scan# 228

Delta R.T. -0.01 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

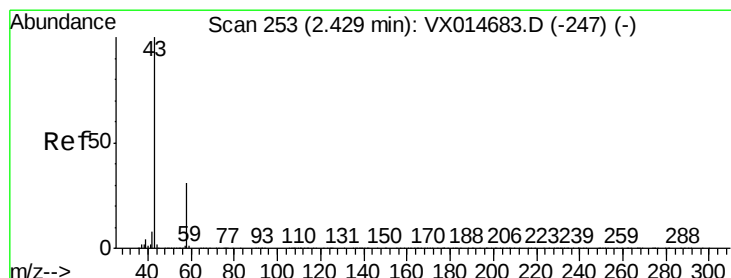
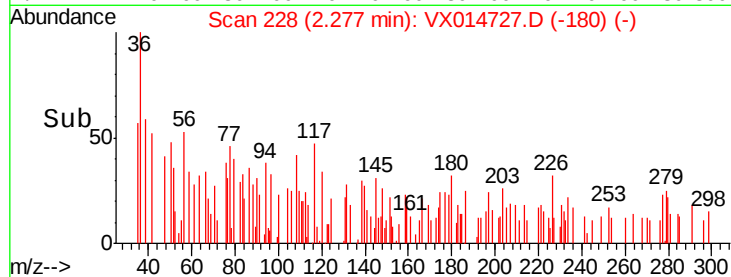
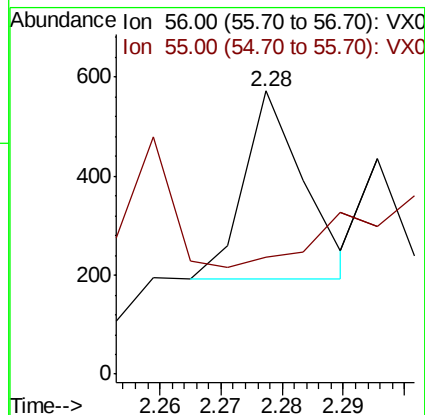
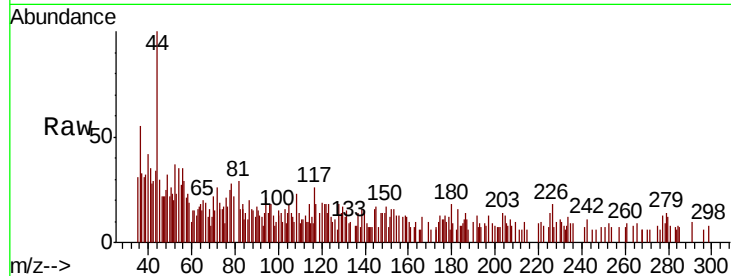
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 257

Ion Ratio Lower Upper

56 100

55 39.3 56.6 84.8#



#16

Acetone

Concen: 2.449 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014727.D

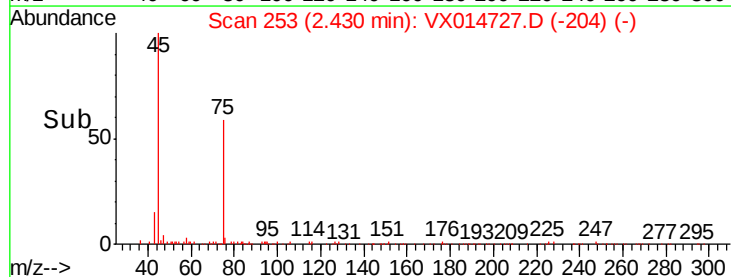
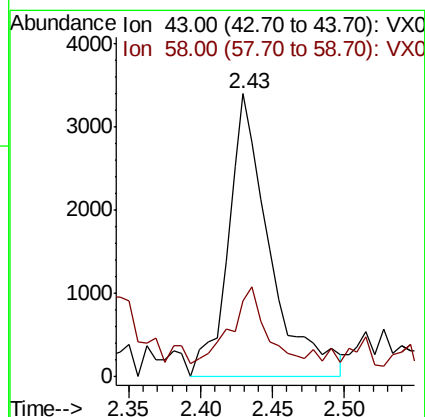
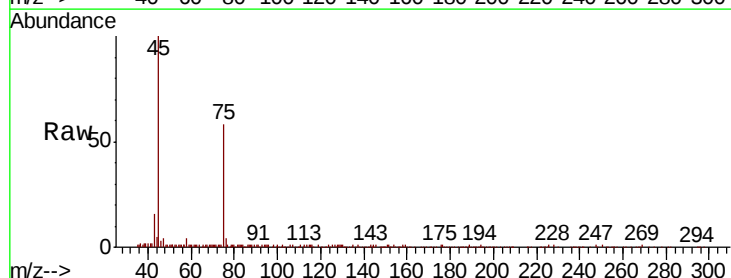
Acq: 27 Jan 2020 15:31

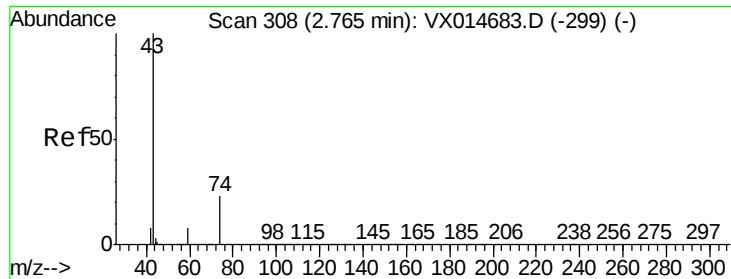
Tgt Ion: 43 Resp: 6828

Ion Ratio Lower Upper

43 100

58 22.0 24.5 36.7#

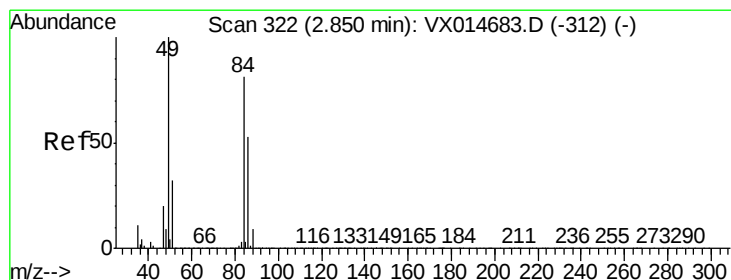
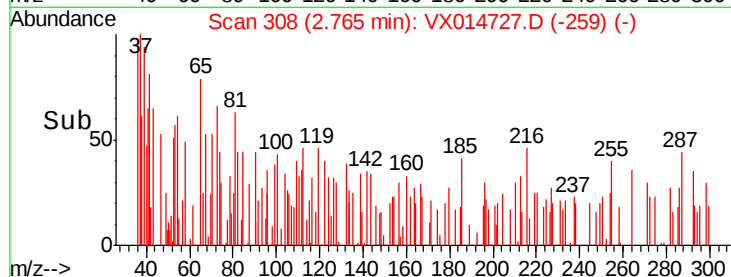
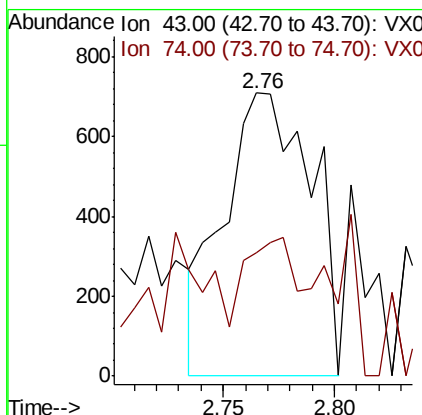
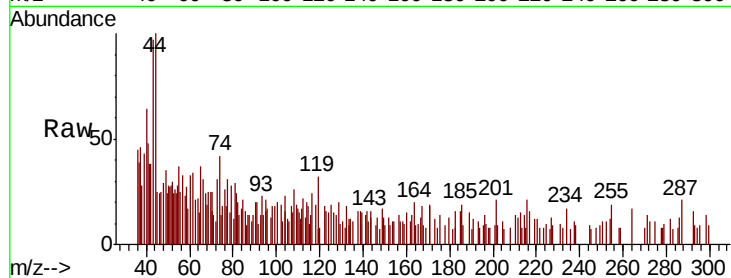




#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

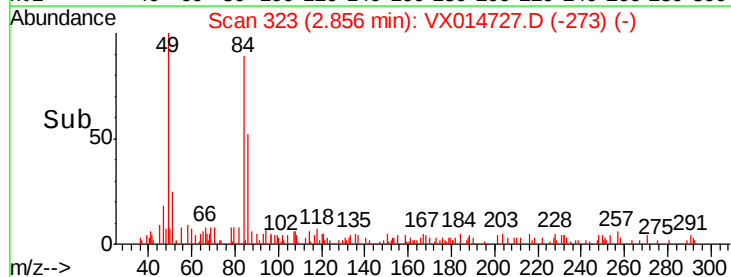
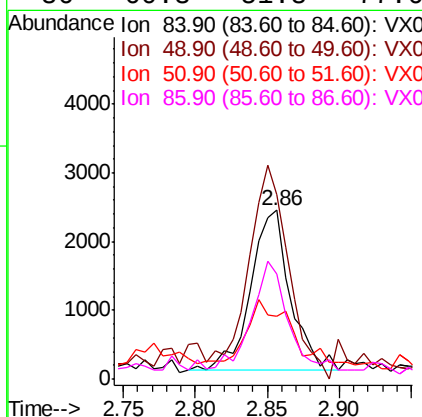
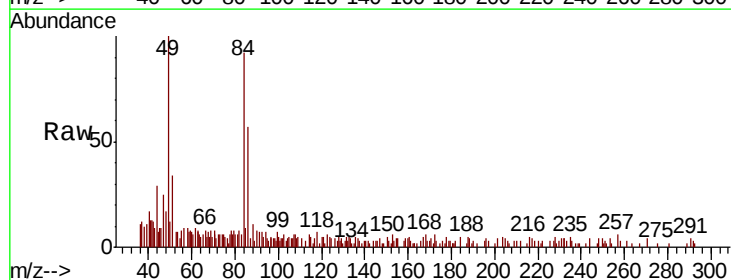
Instrument :
MSVOA_X
ClientSampled :

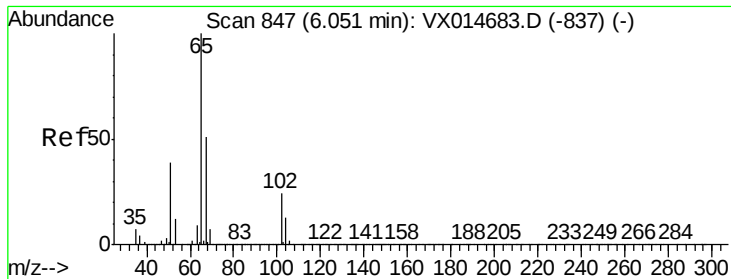
Tot Ion: 43 Resp: 1948
Ion Ratio Lower Upper
43 100
74 25.5 18.5 27.7



#20
Methylene Chloride
Concen: 0.805 ug/l
RT: 2.86 min Scan# 323
Delta R.T. 0.01 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Tgt Ion: 84 Resp: 4422
Ion Ratio Lower Upper
84 100
49 93.1 98.2 147.4#
51 28.7 31.3 46.9#
86 60.3 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 49.605 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

Instrument :

MSVOA_X

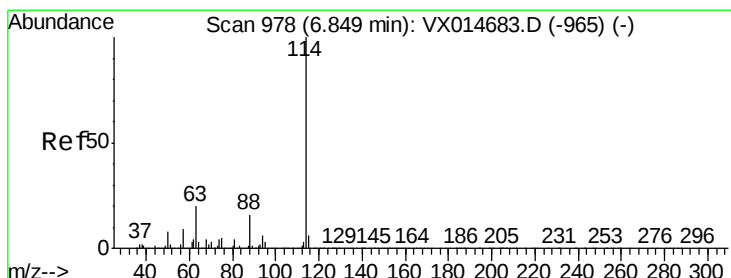
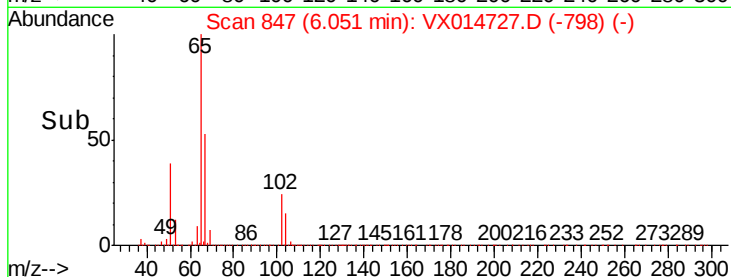
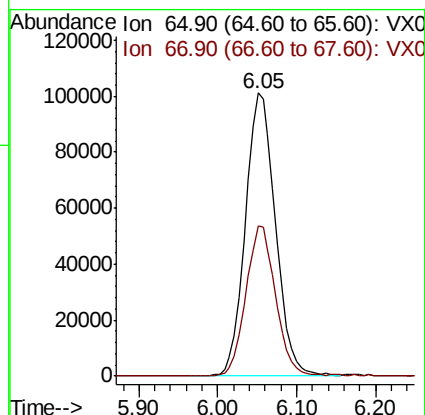
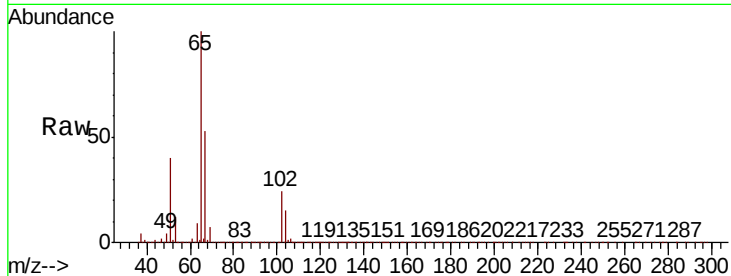
ClientSampled :

Tot Ion: 65 Resp: 268652

Ion Ratio Lower Upper

65 100

67 52.3 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: VX014727.D

Acq: 27 Jan 2020 15:31

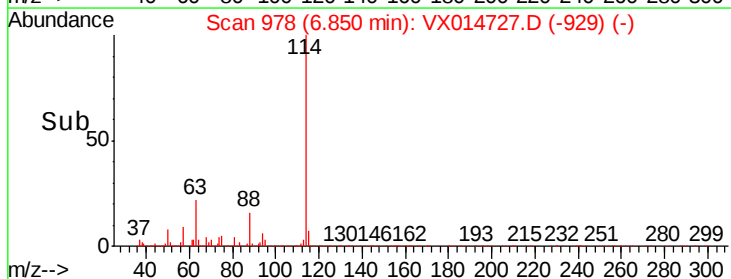
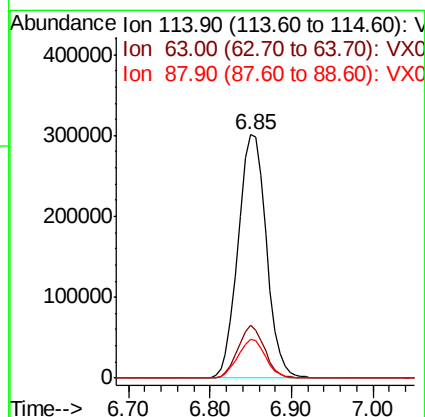
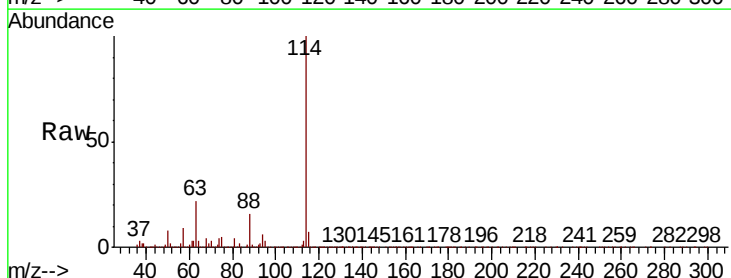
Tgt Ion: 114 Resp: 720786

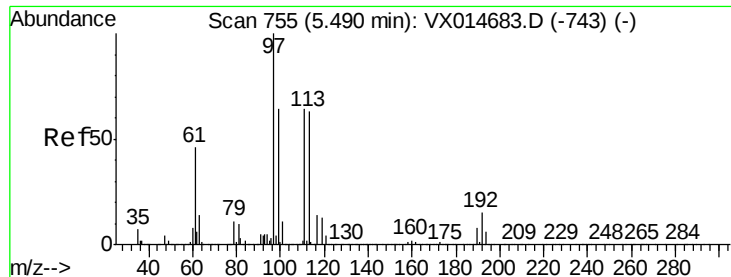
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.6

88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.760 ug/l

RT: 5.49 min Scan# 755

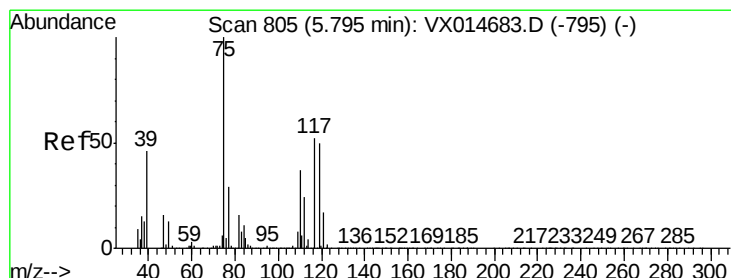
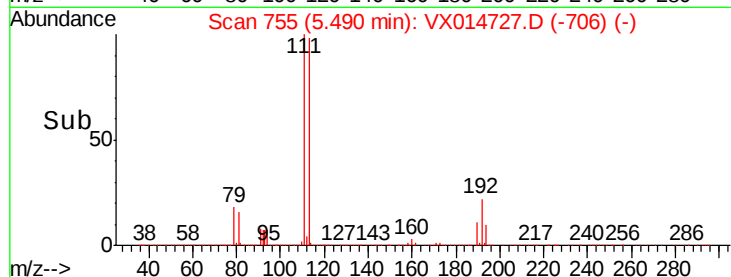
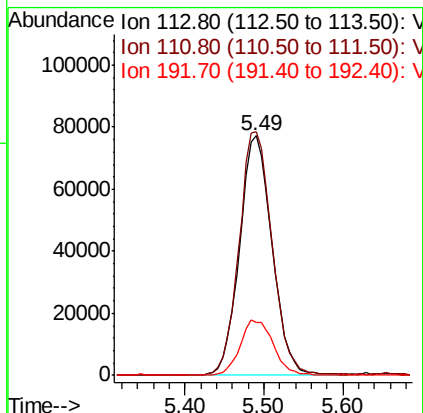
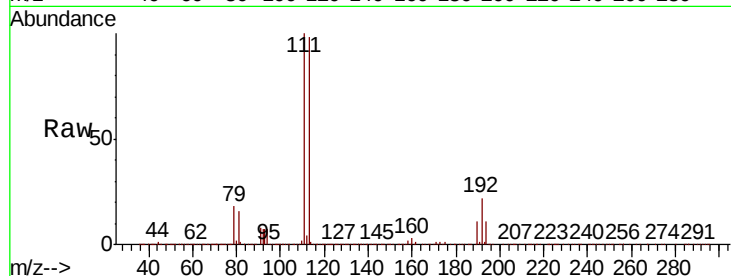
Delta R.T. 0.00 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	80.7	121.1
192	23.6	18.5	27.7



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

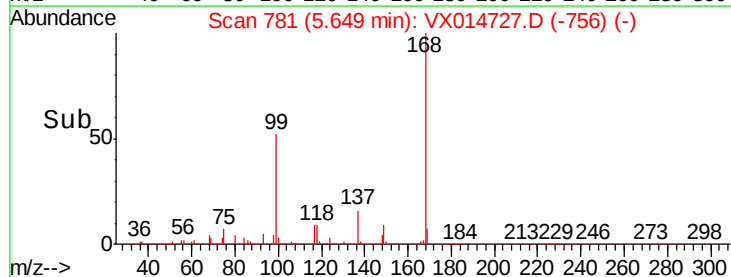
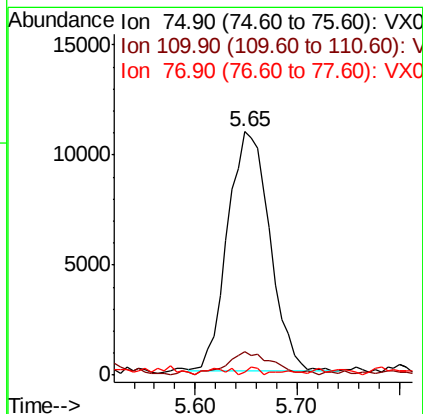
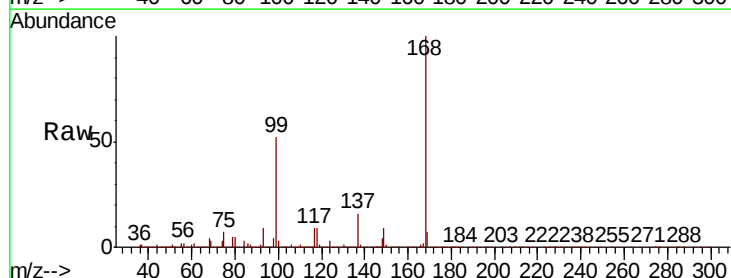
RT: 5.65 min Scan# 781

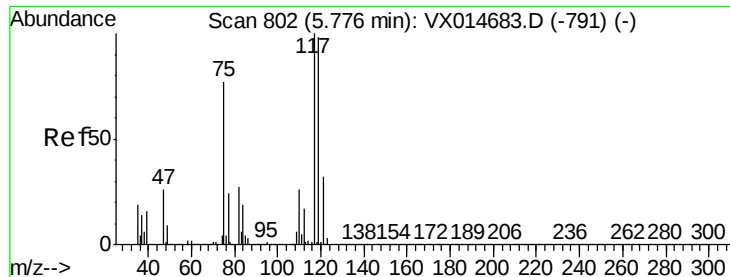
Delta R.T. -0.15 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	17.9	53.7#
77	1.0	24.1	36.1#

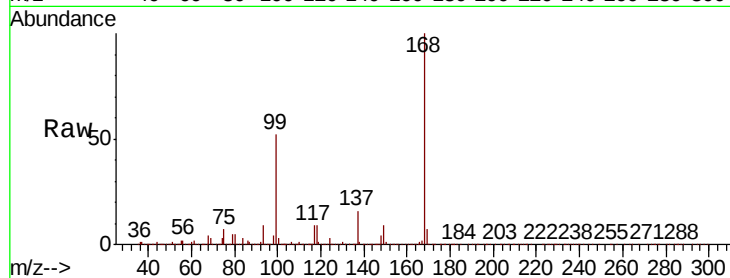




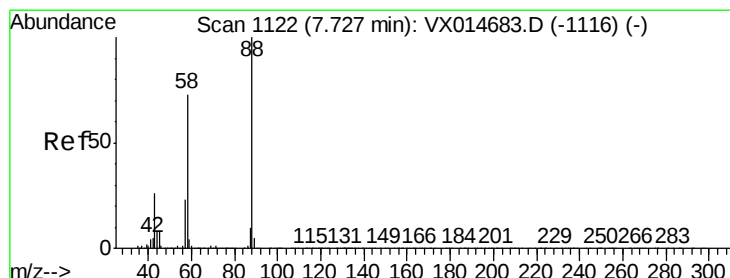
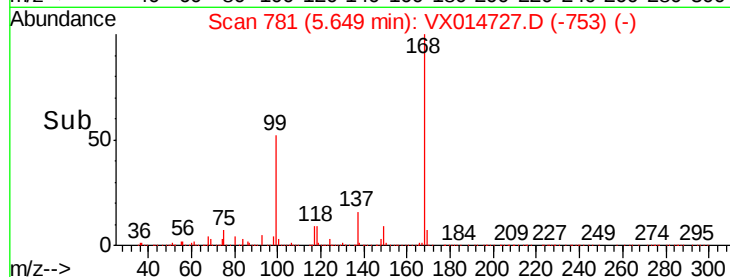
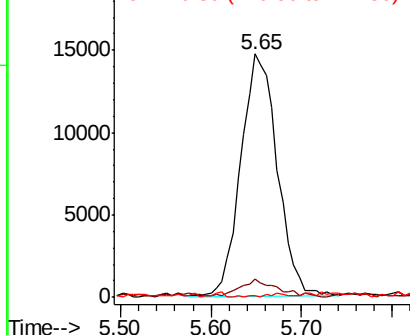
#38
Carbon Tetrachloride
Concen: 6.415 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 41036
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 25.4 38.2#

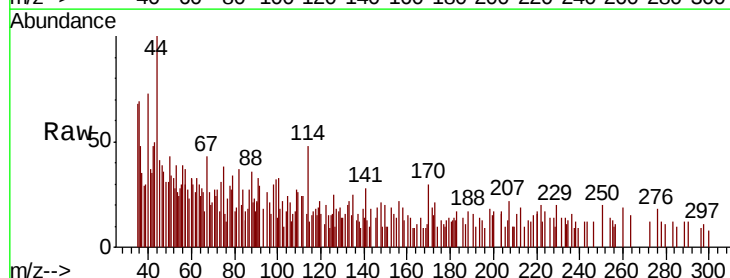


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

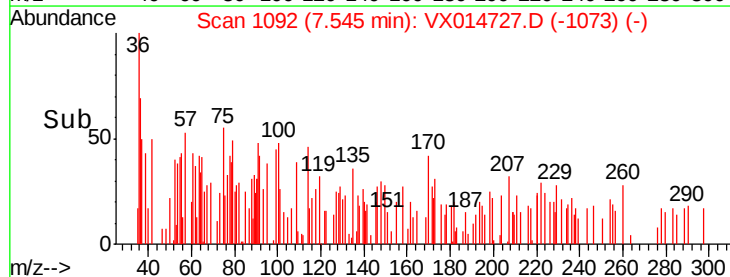
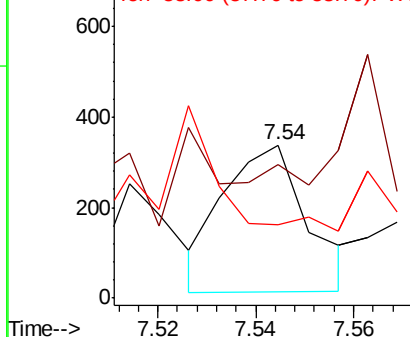


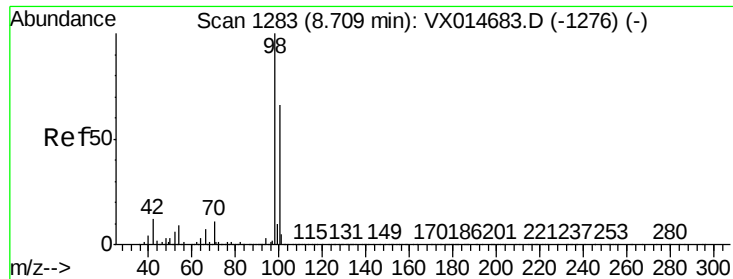
#49
1,4-Dioxane
Concen: 3.034 ug/l
RT: 7.54 min Scan# 1092
Delta R.T. -0.18 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Tgt Ion: 88 Resp: 386
Ion Ratio Lower Upper
88 100
43 38.6 26.2 39.2
58 57.0 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

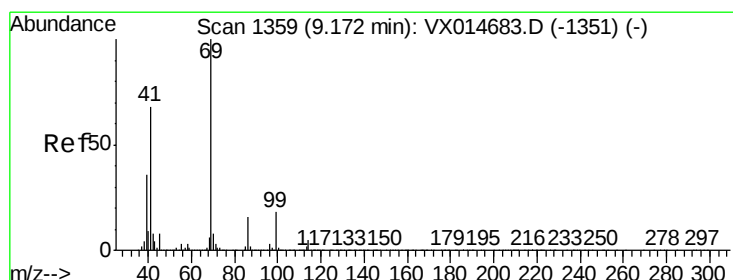
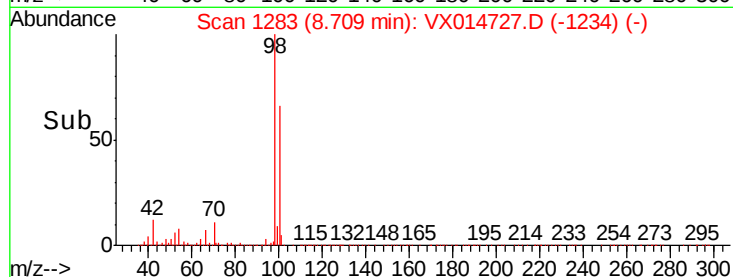
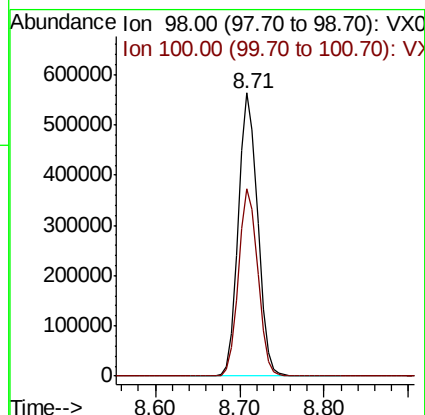
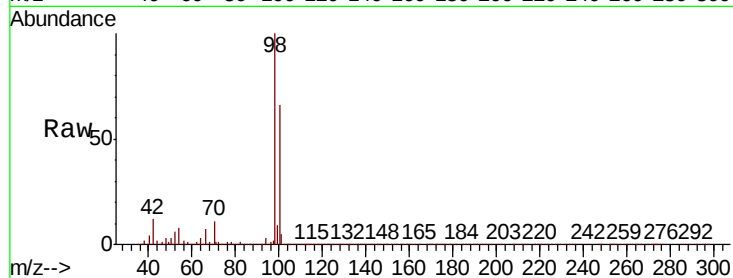




#50
Toluene-d8
Concen: 49.455 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

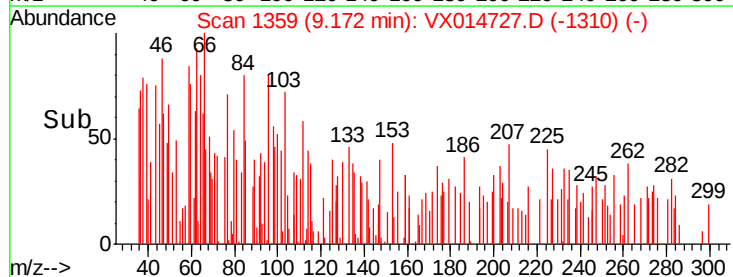
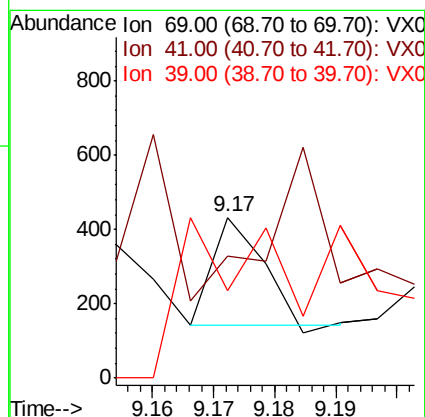
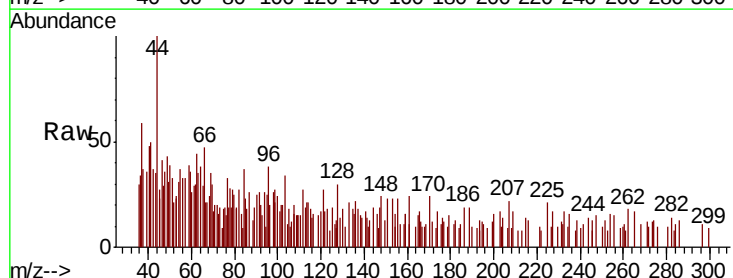
Instrument :
MSVOA_X
ClientSampled :

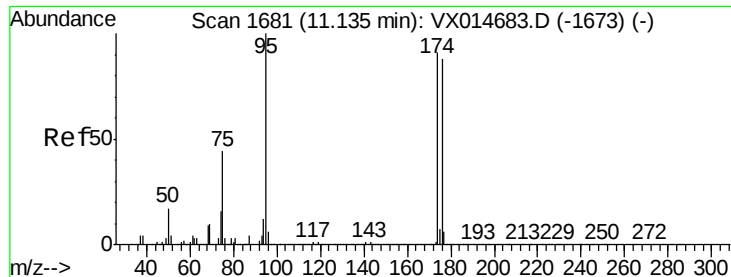
Tot Ion: 98 Resp: 864704
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#56
Ethyl methacrylate
Concen: 1.802 ug/l
RT: 9.17 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Tgt Ion: 69 Resp: 164
Ion Ratio Lower Upper
69 100
41 317.7 54.9 82.3#
39 276.2 29.3 43.9#





#62

4-Bromofluorobenzene

Concen: 47.227 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

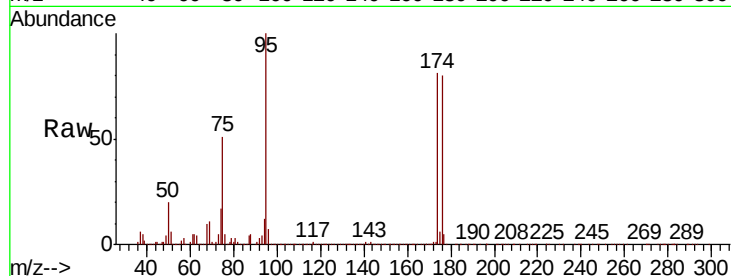
Tot Ion: 95 Resp: 294152

Ion Ratio Lower Upper

95 100

174 90.3 0.0 176.0

176 86.9 0.0 172.2

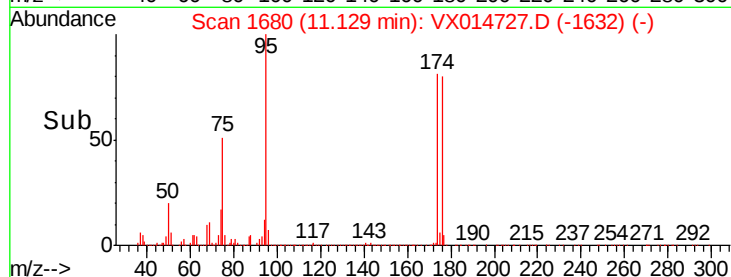


Abundance Ion 94.90 (94.60 to 95.60): VX014683.D (-1673) (-)

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

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

Time-->



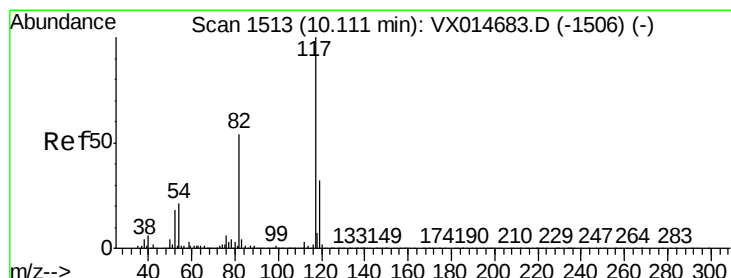
Abundance

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) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

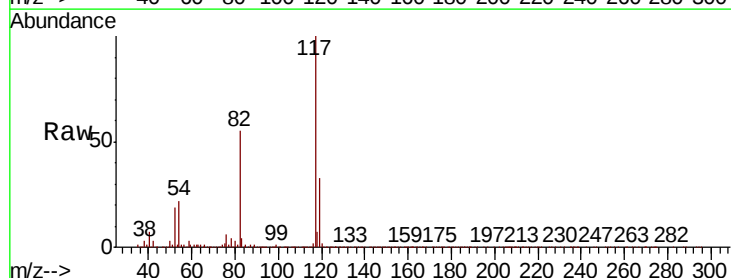
Tgt Ion: 117 Resp: 667785

Ion Ratio Lower Upper

117 100

82 55.3 43.2 64.8

119 33.0 25.8 38.6

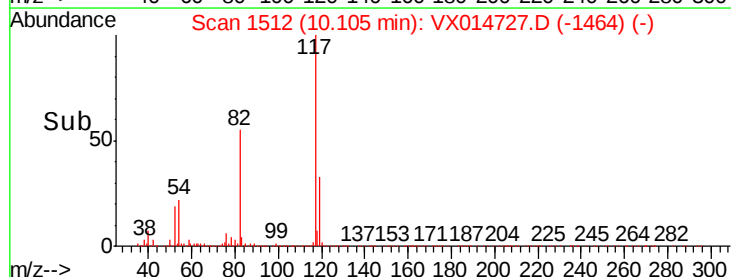


Abundance Ion 116.90 (116.60 to 117.60): VX014683.D (-1506) (-)

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

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

Time-->



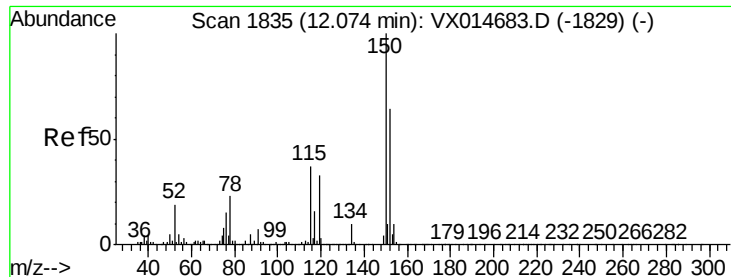
Abundance

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) (-)

Time-->

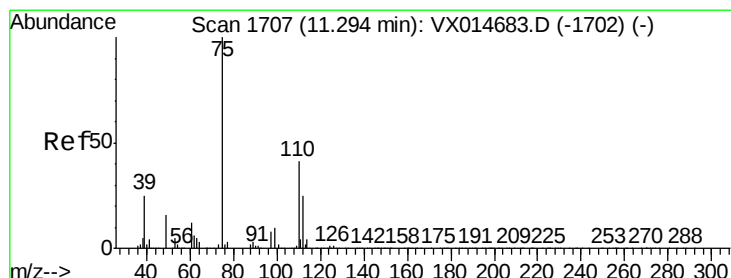
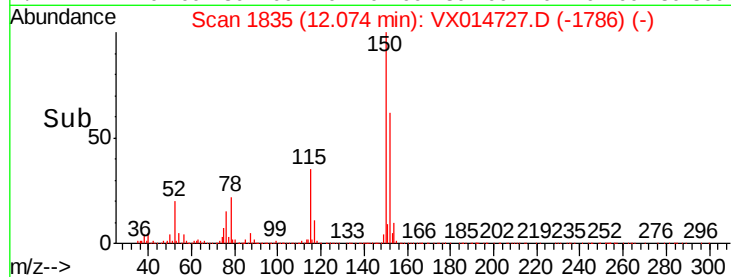
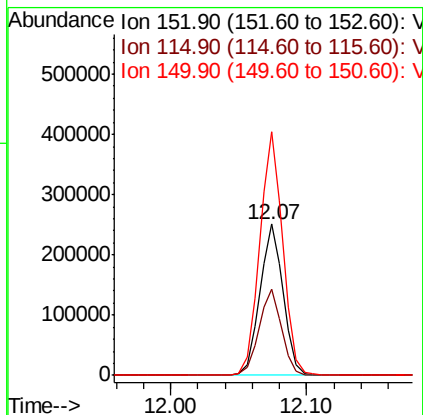
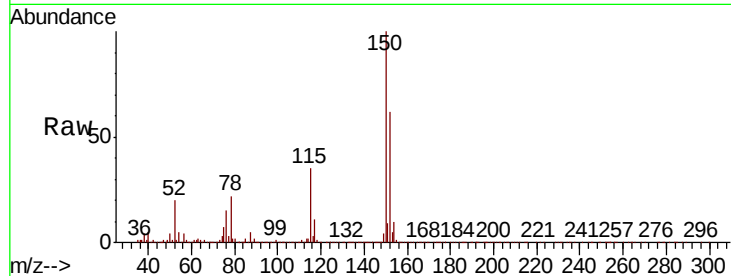


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :

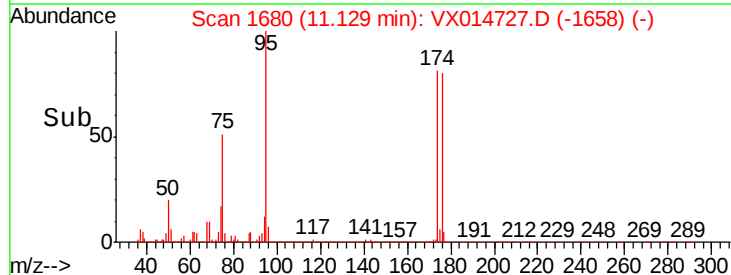
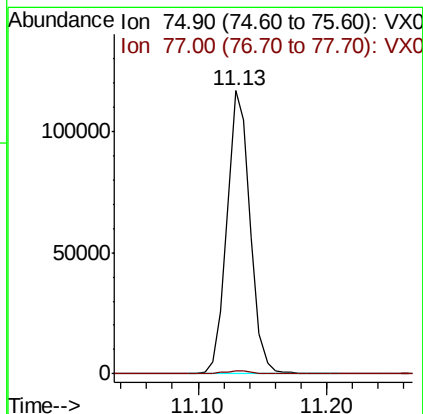
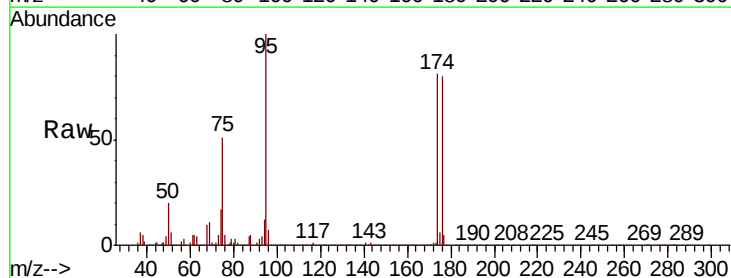
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	39.4	118.1
150	158.8	0.0	351.2

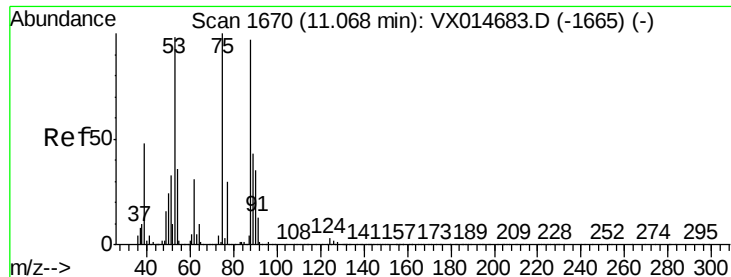


#76

1,2,3-Trichloropropane
Concen: 20.977 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.16 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	18.7	56.1





#81

trans-1,4-Dichloro-2-butene

Concen: 59.695 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

Instrument :

MSVOA_X

ClientSampleId :

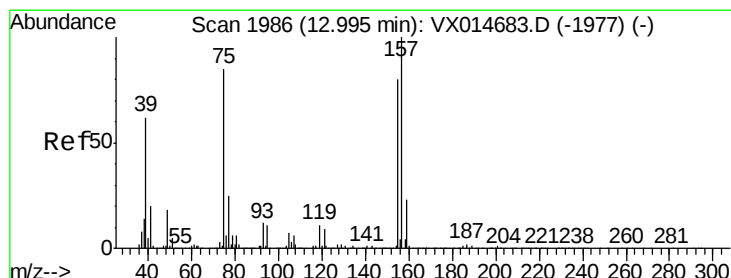
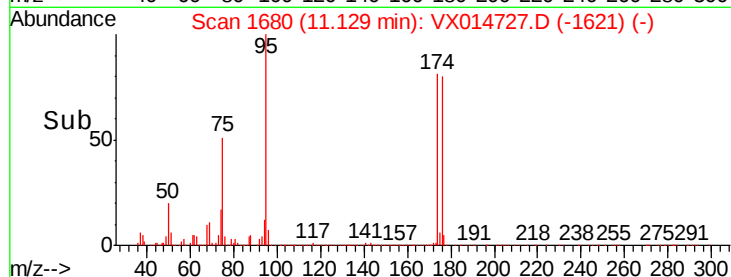
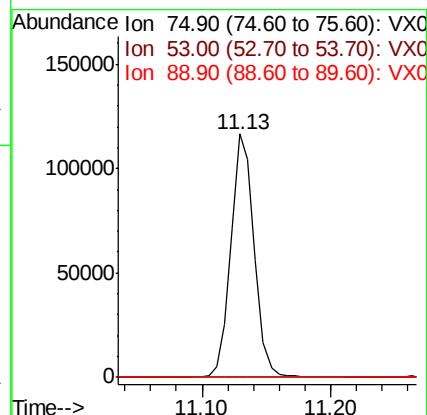
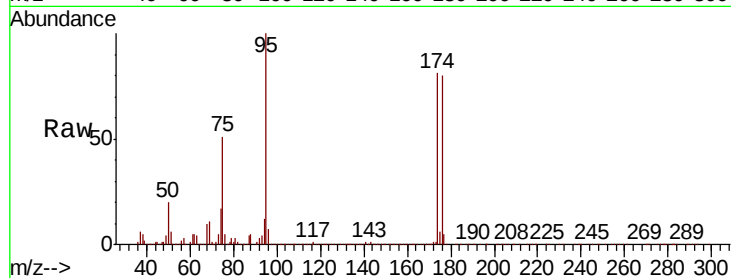
Tot Ion: 75 Resp: 147320

Ion Ratio Lower Upper

75 100

53 0.3 78.8 118.2#

89 0.2 35.4 53.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.275 ug/l

RT: 12.91 min Scan# 1972

Delta R.T. -0.09 min

Lab File: VX014727.D

Acq: 27 Jan 2020 15:31

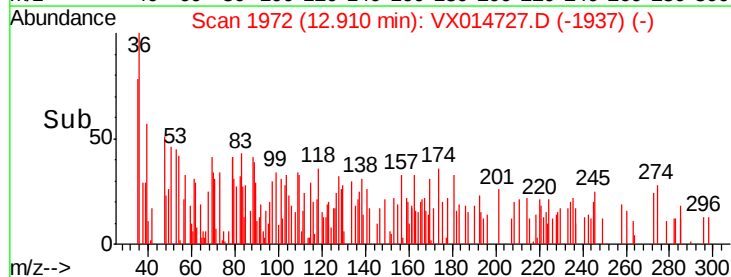
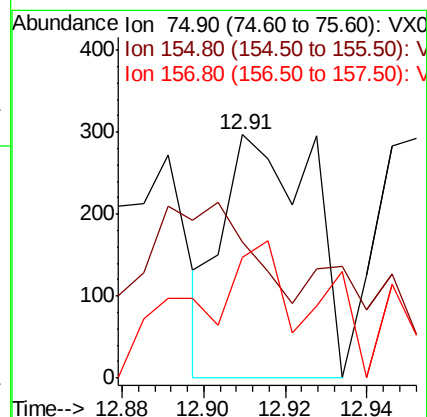
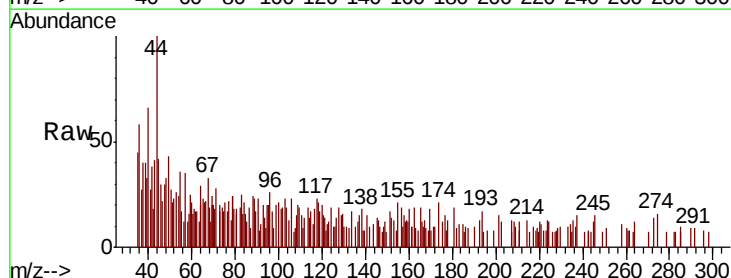
Tgt Ion: 75 Resp: 447

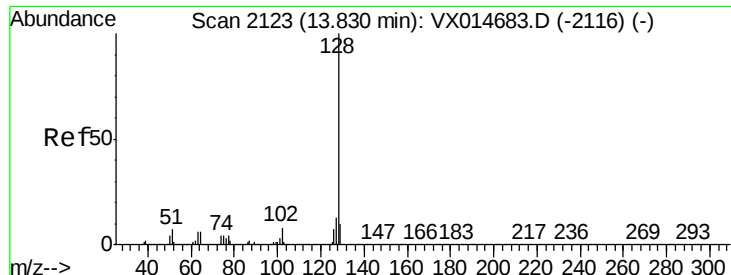
Ion Ratio Lower Upper

75 100

155 46.1 45.6 136.9

157 64.7 60.3 180.9





#95
Naphthalene
Concen: 0.976 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014727.D
Acq: 27 Jan 2020 15:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	28.6	8.6	12.8#

