

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012420\
 Data File : VX014692.D
 Acq On : 24 Jan 2020 12:55
 Operator : JC/SP
 Sample : VX0124WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBL02

Quant Time: Jan 24 22:31:42 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	444844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	697974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	636825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	282484	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	261593	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	5.49	113	212098	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
50) Toluene-d8	8.71	98	831661	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
62) 4-Bromofluorobenzene	11.13	95	282507	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	

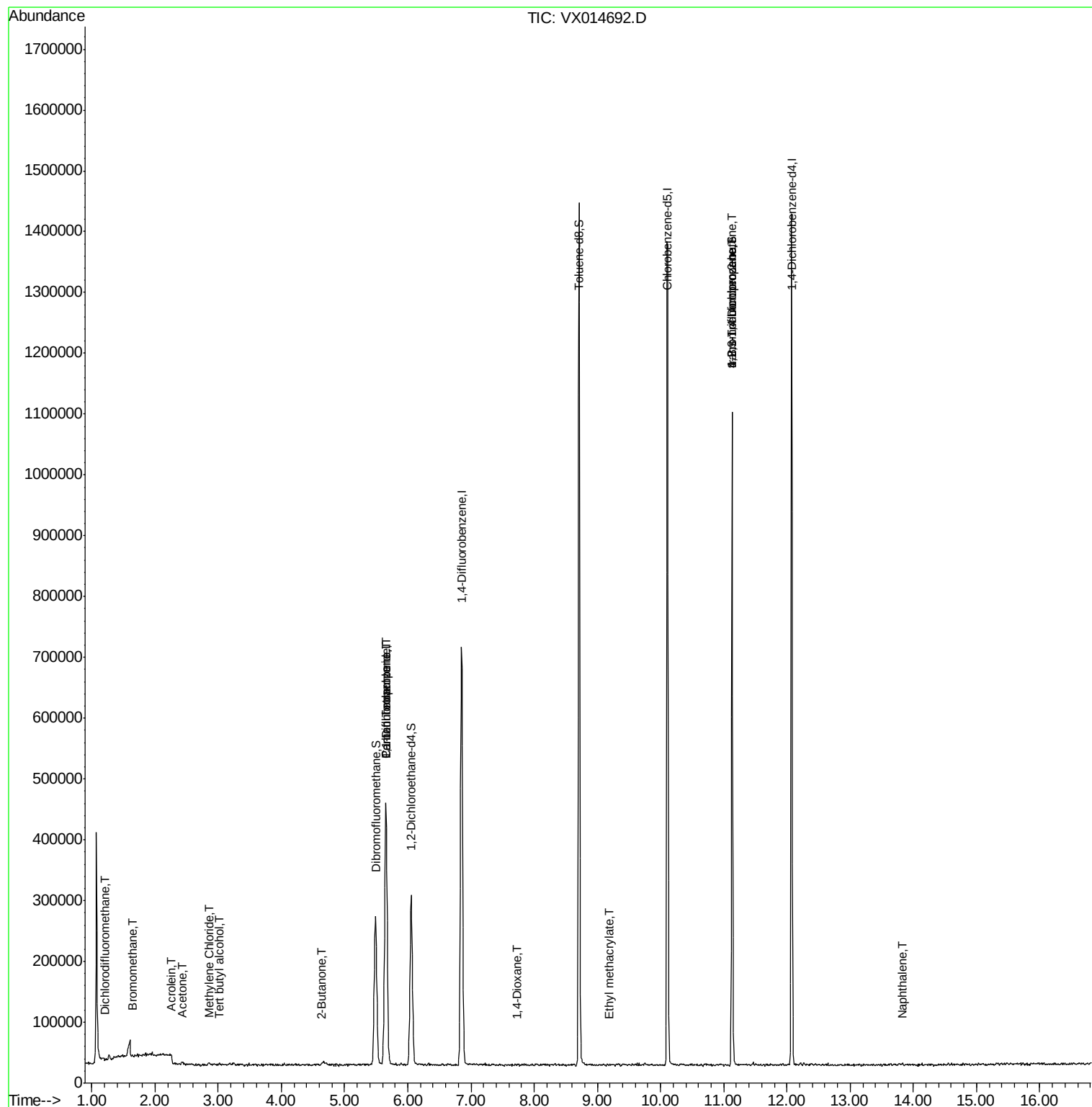
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	209	0.566	ug/l #	59
5) Bromomethane	1.65	94	1564	0.354	ug/l #	53
6) Chloroethane	1.71	64	407	Below Cal	#	43
11) Tert butyl alcohol	3.01	59	1453	1.246	ug/l #	29
13) Acrolein	2.26	56	321	0.349	ug/l #	62
16) Acetone	2.43	43	3413	1.348	ug/l #	85
20) Methylene Chloride	2.85	84	1792	0.340	ug/l #	59
25) 2-Butanone	4.62	43	872	0.214	ug/l #	50
36) 1,1-Dichloropropene	5.65	75	30764	4.743	ug/l #	53
38) Carbon Tetrachloride	5.65	117	39078	6.309	ug/l #	16
41) Methacrylonitrile	5.01	41	252	Below Cal	#	1
49) 1,4-Dioxane	7.73	88	169	1.372	ug/l #	26
56) Ethyl methacrylate	9.18	69	348	1.824	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	138701	21.104	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	138701	60.059	ug/l #	11
95) Naphthalene	13.83	128	963	0.979	ug/l #	17

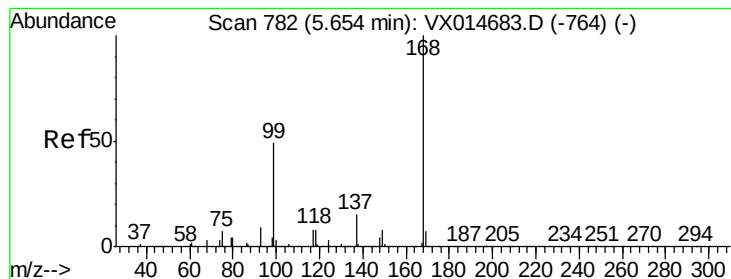
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VX014692.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

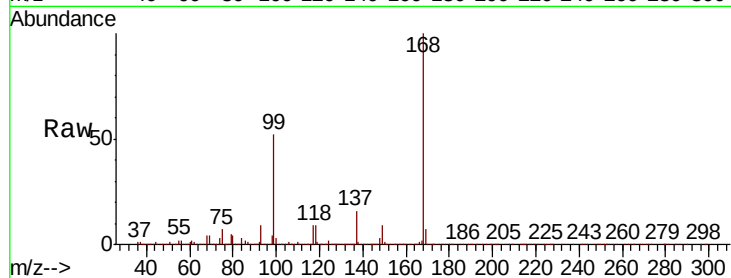
VX0124WBL02

Tot Ion:168 Resp: 444844

Ion Ratio Lower Upper

168 100

99 51.7 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

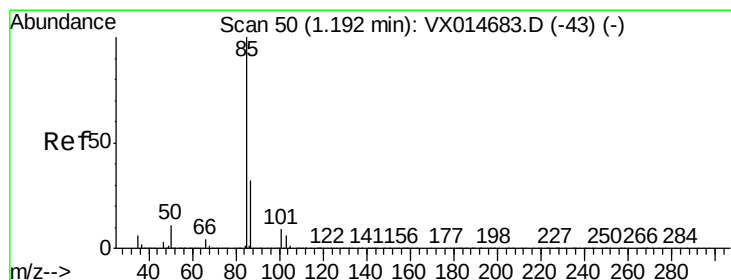
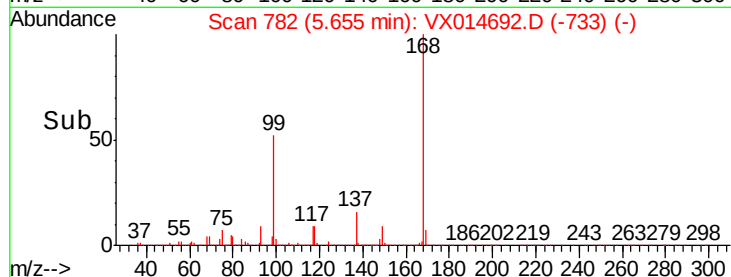
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.566 ug/l

RT: 1.20 min Scan# 52

Delta R.T. 0.01 min

Lab File: VX014692.D

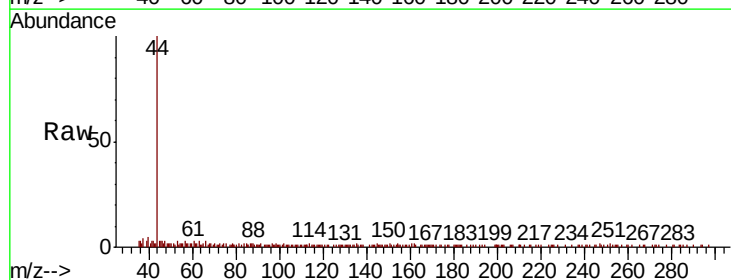
Acq: 24 Jan 2020 12:55

Tgt Ion: 85 Resp: 209

Ion Ratio Lower Upper

85 100

87 9.4 16.2 48.5#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

400

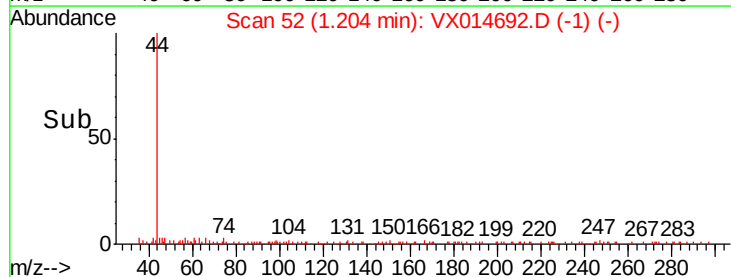
300

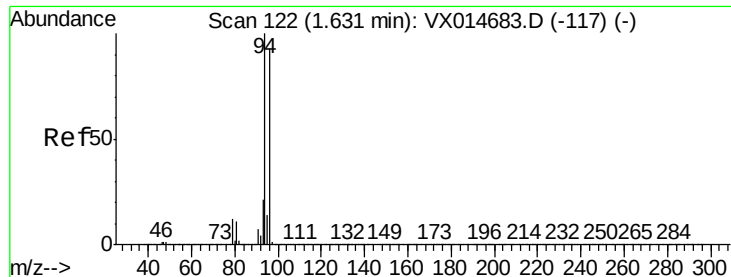
200

100

0

Time-->





#5

Bromomethane

Concen: 0.354 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

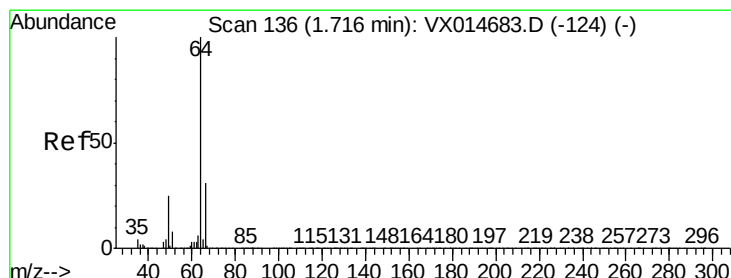
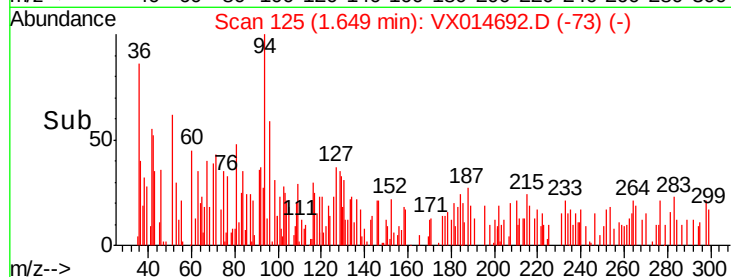
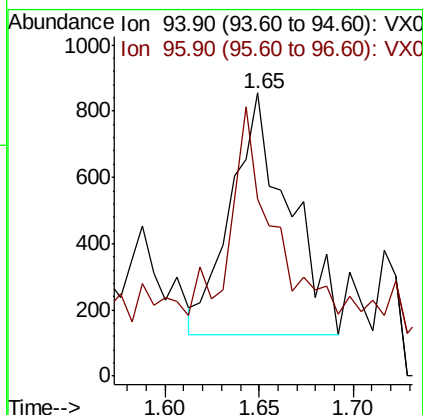
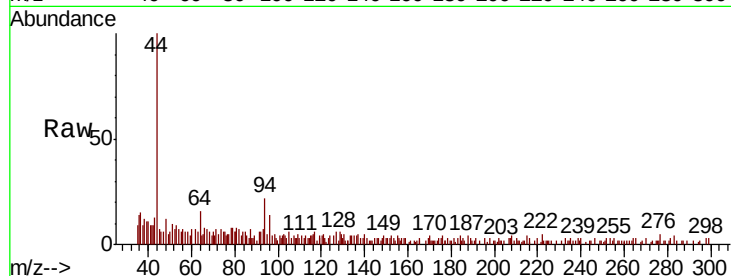
VX0124WBL02

Tot Ion: 94 Resp: 1564

Ion Ratio Lower Upper

94 100

96 48.4 74.7 112.1#



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 135

Delta R.T. -0.01 min

Lab File: VX014692.D

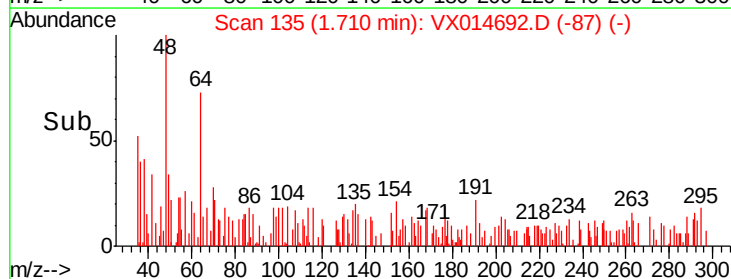
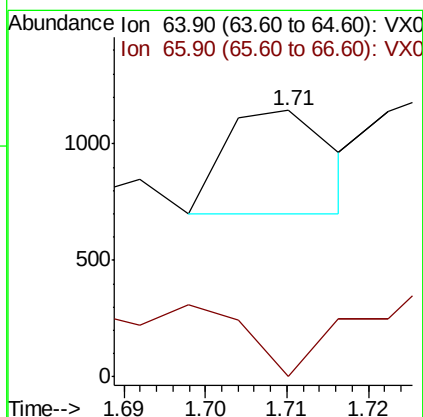
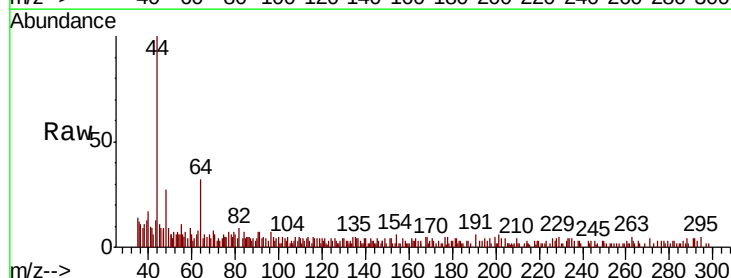
Acq: 24 Jan 2020 12:55

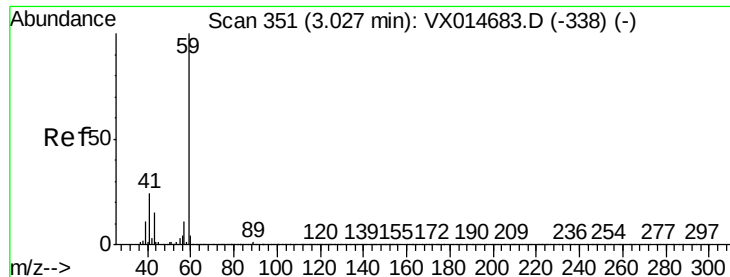
Tgt Ion: 64 Resp: 407

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



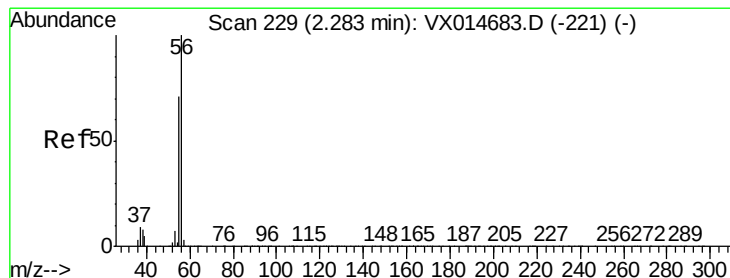
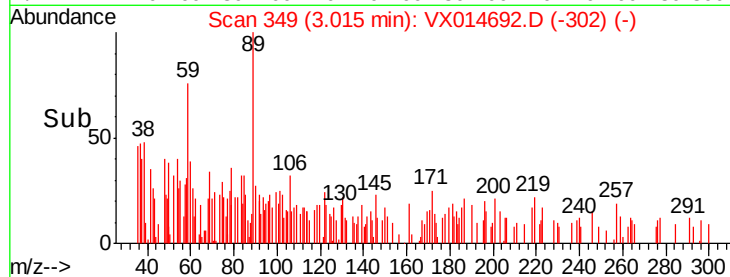
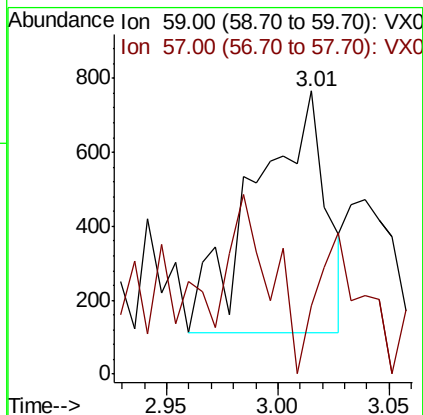
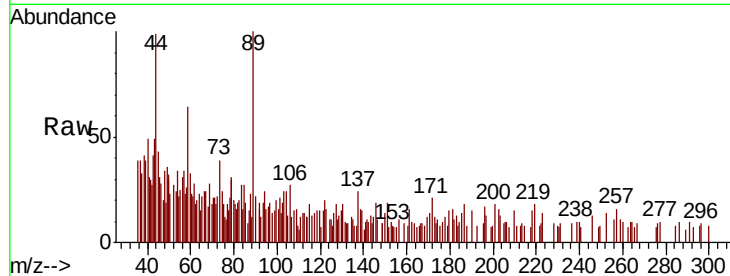


#11

Tert butyl alcohol
 Concen: 1.246 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VX014692.D
 Acq: 24 Jan 2020 12:55

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBL02

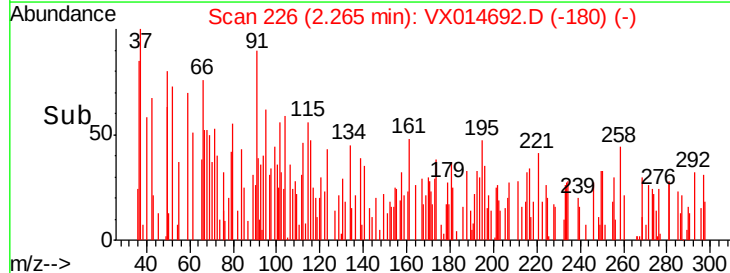
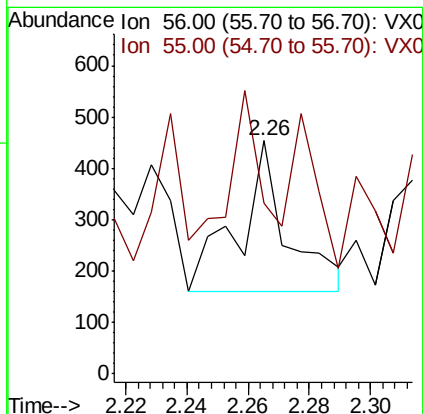
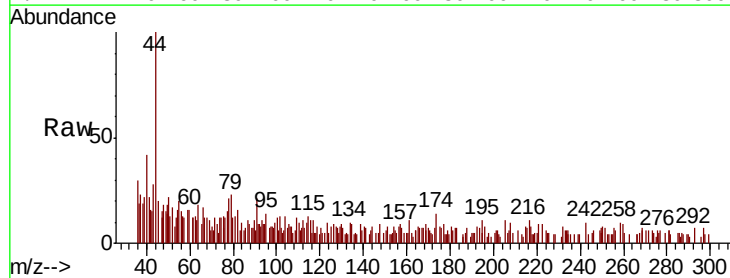
Tot Ion: 59 Resp: 1453
 Ion Ratio Lower Upper
 59 100
 57 37.1 8.3 12.5#

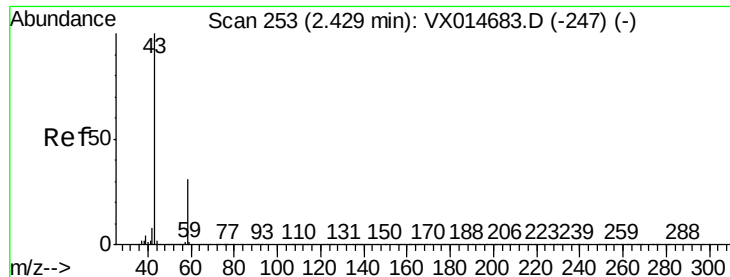


#13

Acrolein
 Concen: 0.349 ug/l
 RT: 2.26 min Scan# 226
 Delta R.T. -0.02 min
 Lab File: VX014692.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 56 Resp: 321
 Ion Ratio Lower Upper
 56 100
 55 39.6 56.6 84.8#





#16

Acetone

Concen: 1.348 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

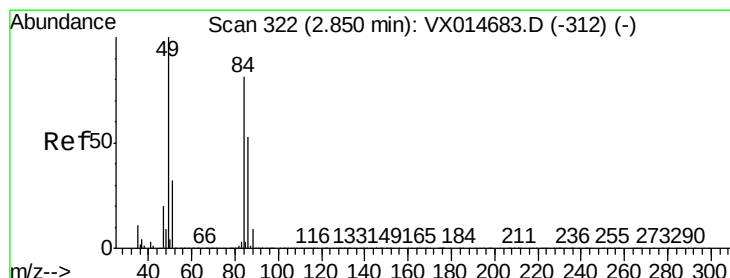
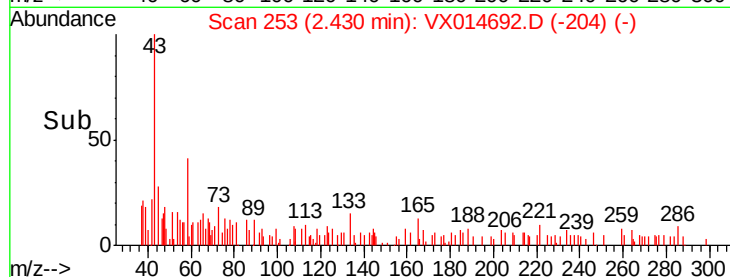
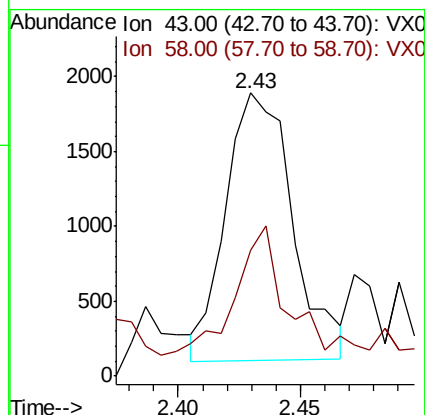
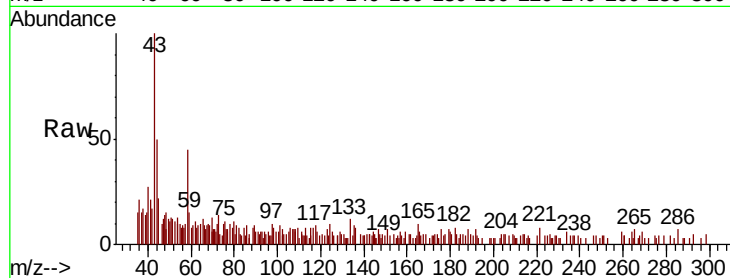
VX0124WBL02

Tot Ion: 43 Resp: 3413

Ion Ratio Lower Upper

43 100

58 38.7 24.5 36.7#



#20

Methylene Chloride

Concen: 0.340 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.00 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

Tgt Ion: 84 Resp: 1792

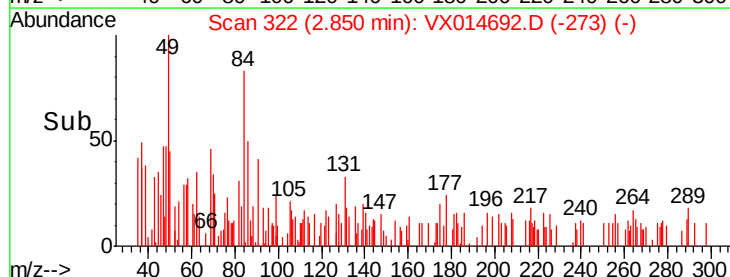
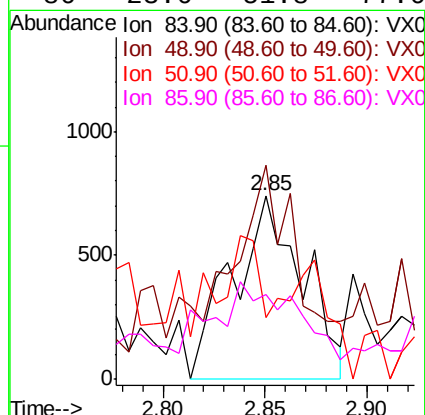
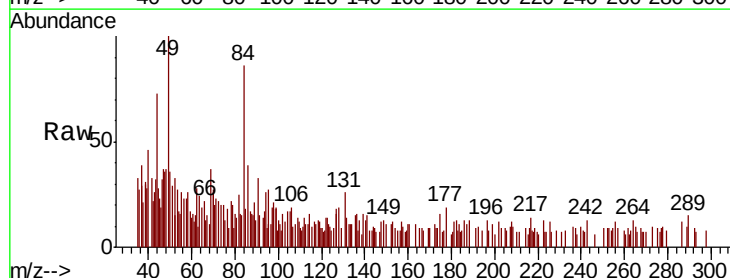
Ion Ratio Lower Upper

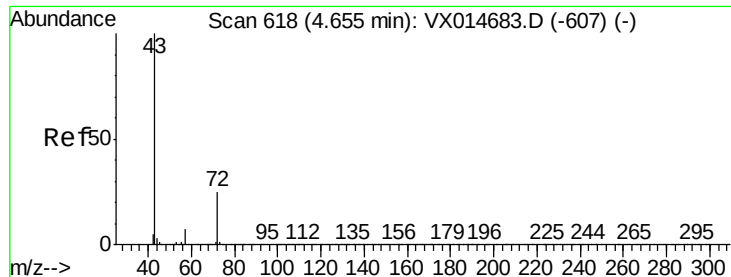
84 100

49 85.3 98.2 147.4#

51 10.4 31.3 46.9#

86 23.6 51.8 77.6#

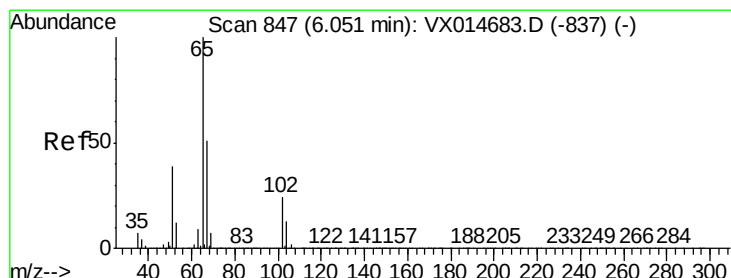
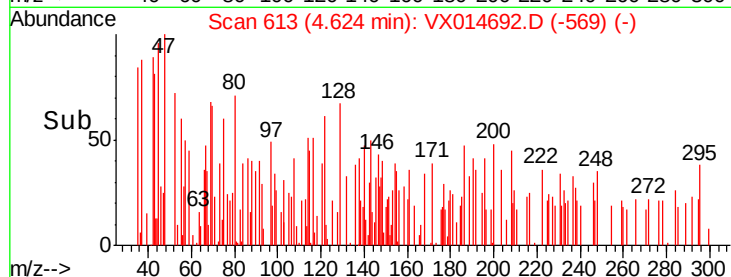
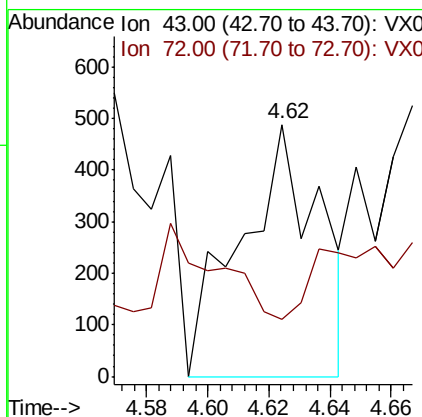
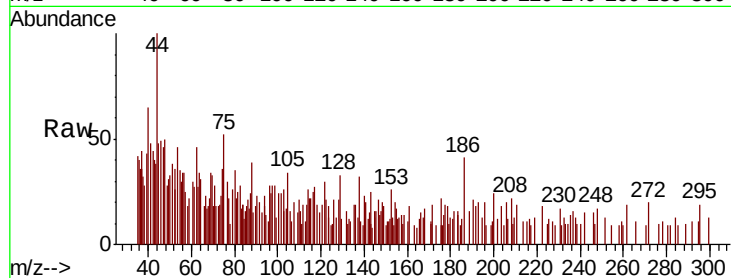




#25
2-Butanone
Concen: 0.214 ug/l
RT: 4.62 min Scan# 613
Delta R.T. -0.03 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

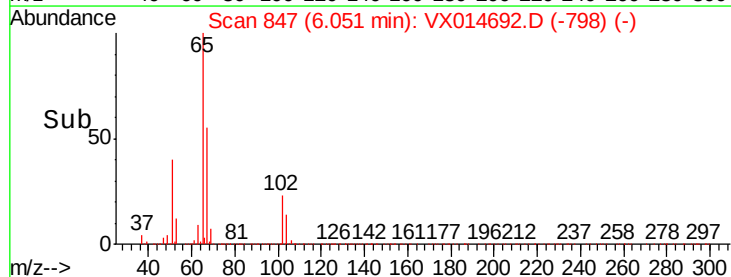
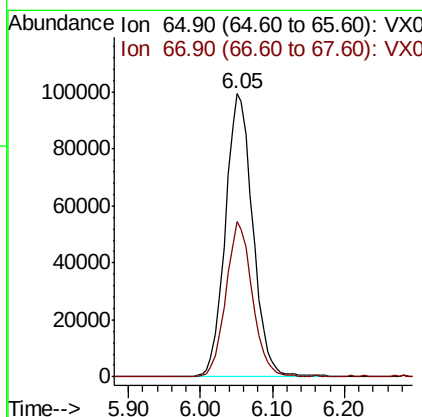
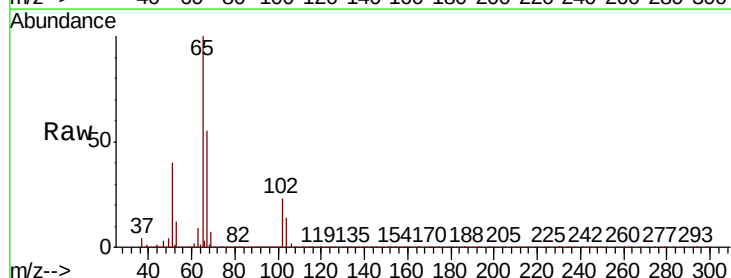
Instrument :
MSVOA_X
ClientSampled :
VX0124WBL02

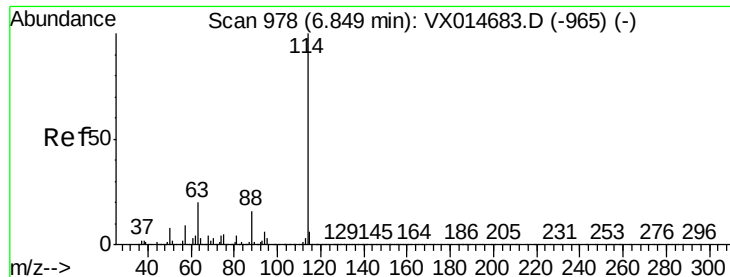
Tot Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#33
1,2-Dichloroethane-d4
Concen: 50.357 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

Tgt Ion: 65 Resp: 261593
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.4

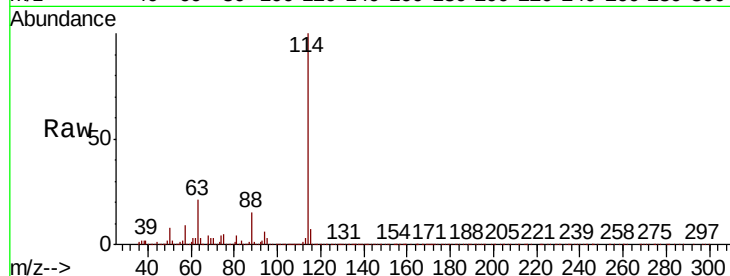




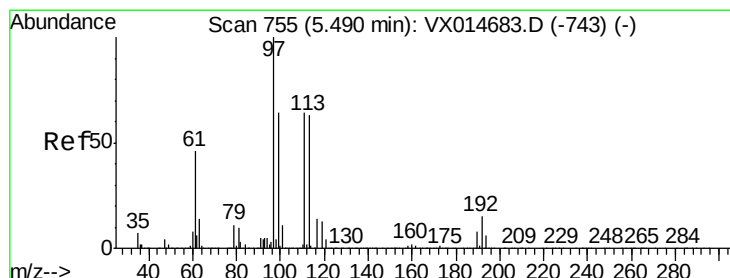
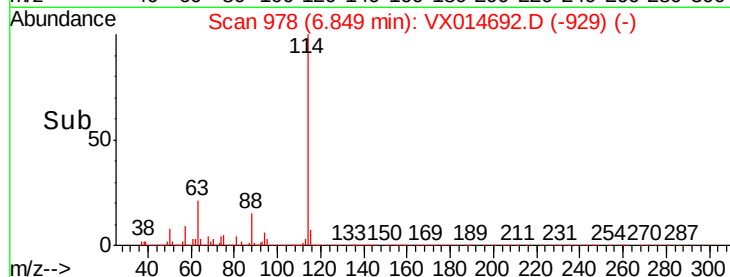
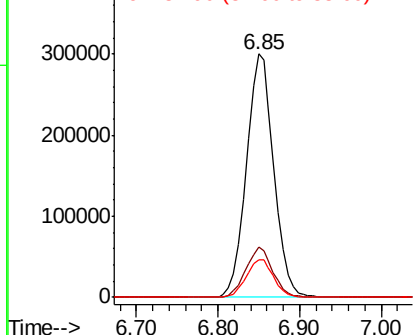
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

Instrument :
MSVOA_X
ClientSampleId :
VX0124WBL02

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.6
88	15.3	0.0	31.2

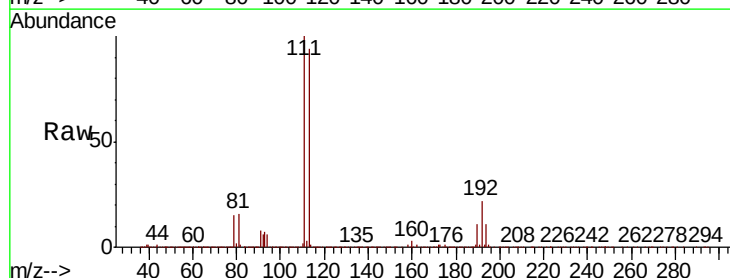


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

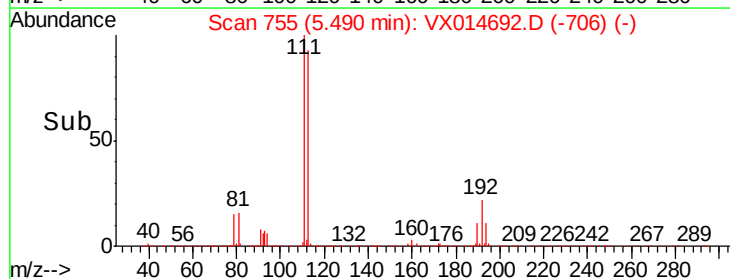
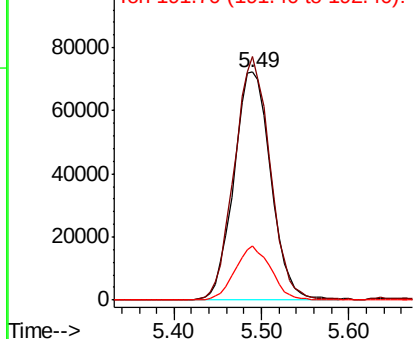


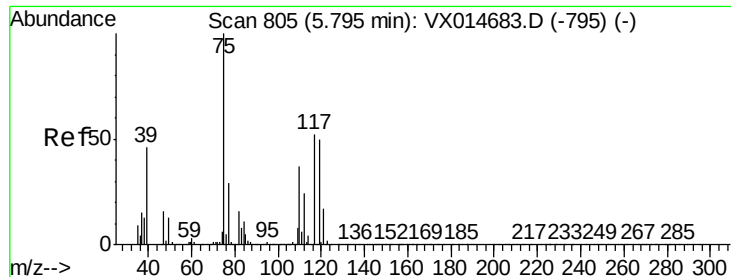
#35
Dibromofluoromethane
Concen: 48.159 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	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: 4.743 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.15 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBL02

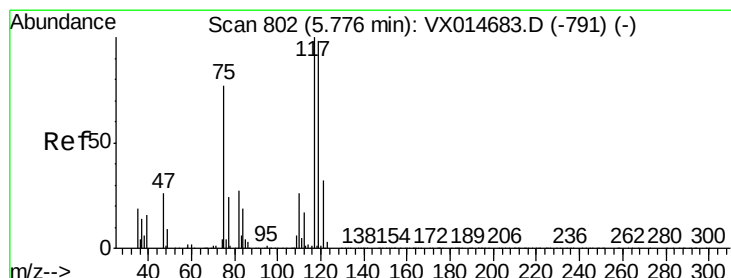
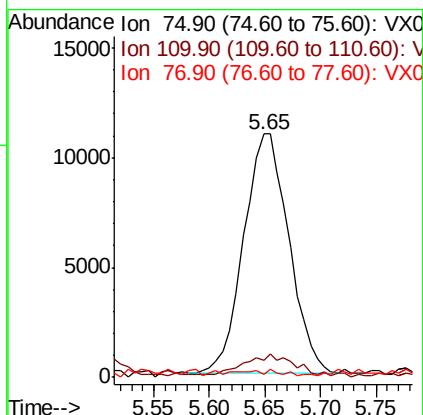
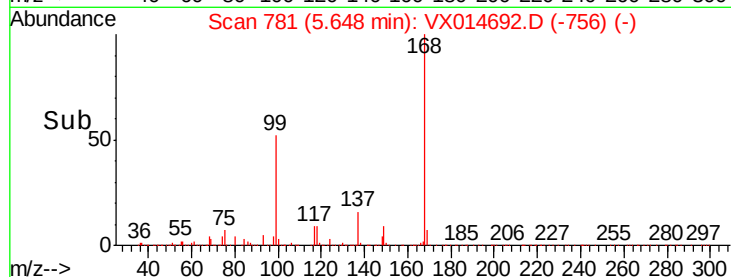
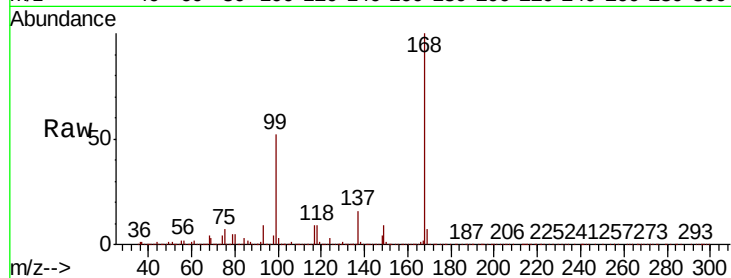
Tot Ion: 75 Resp: 30764

Ion Ratio Lower Upper

75 100

110 11.8 17.9 53.7#

77 0.5 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.309 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

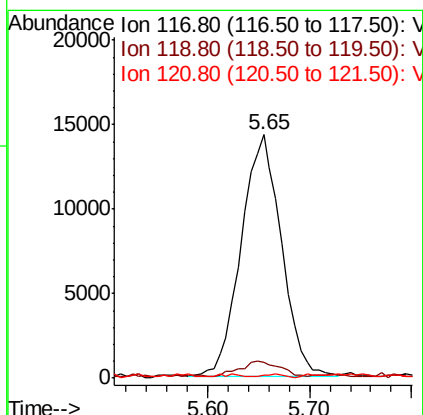
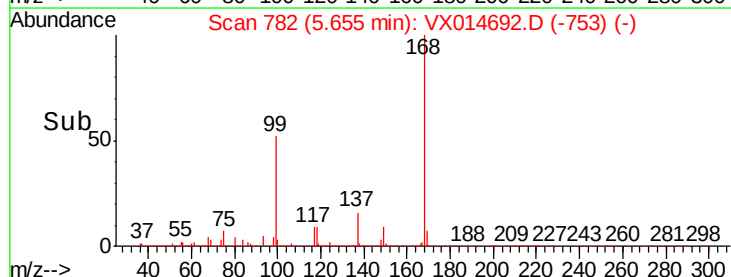
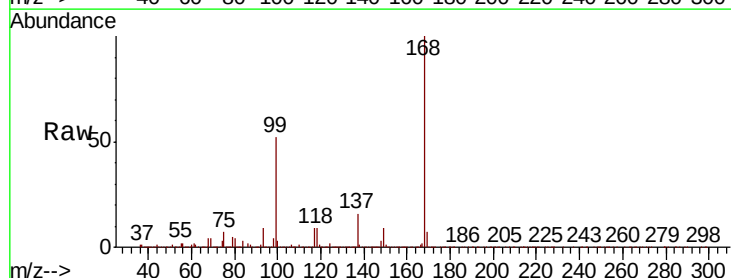
Tgt Ion: 117 Resp: 39078

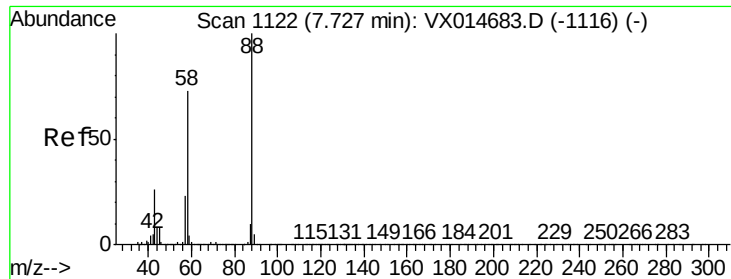
Ion Ratio Lower Upper

117 100

119 5.8 77.9 116.9#

121 0.4 25.4 38.2#





#49

1,4-Dioxane

Concen: 1.372 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBL02

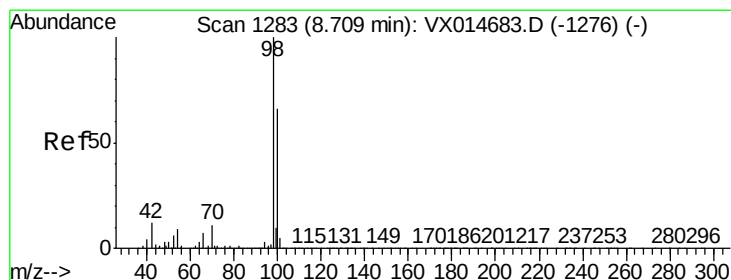
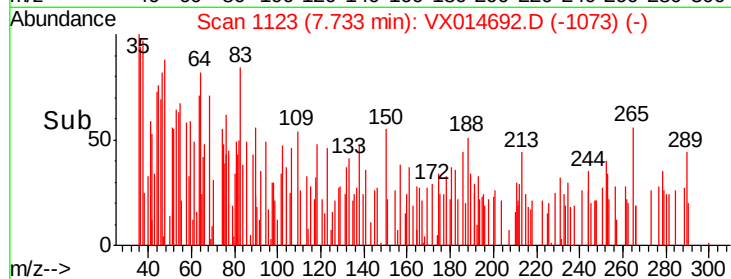
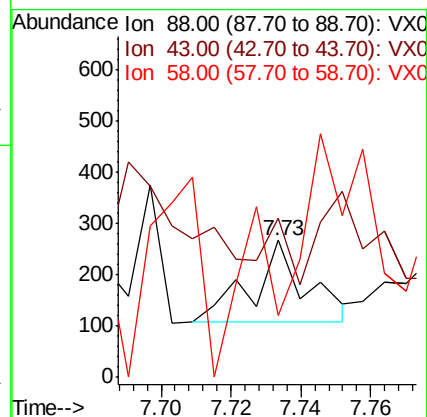
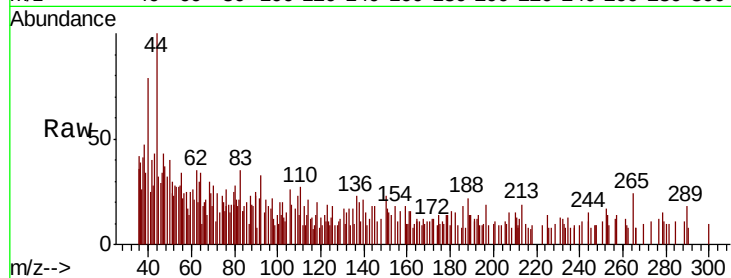
Tot Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

58 137.9 56.6 85.0#



#50

Toluene-d8

Concen: 49.119 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014692.D

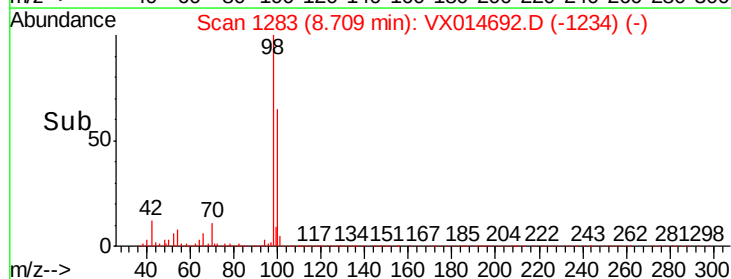
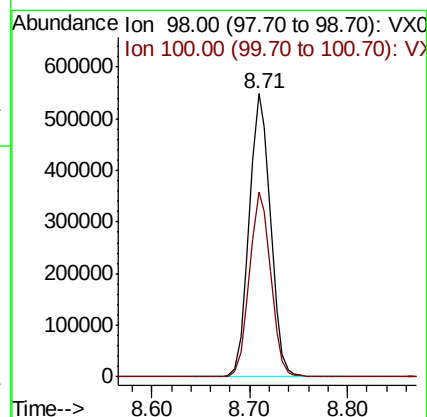
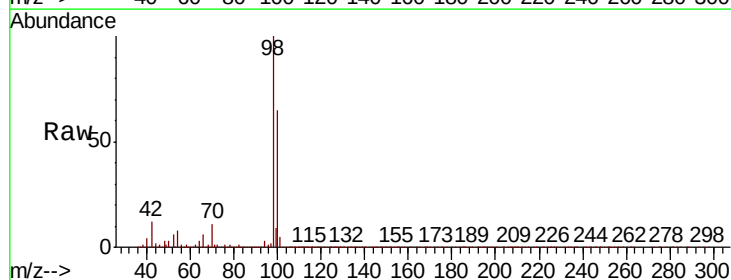
Acq: 24 Jan 2020 12:55

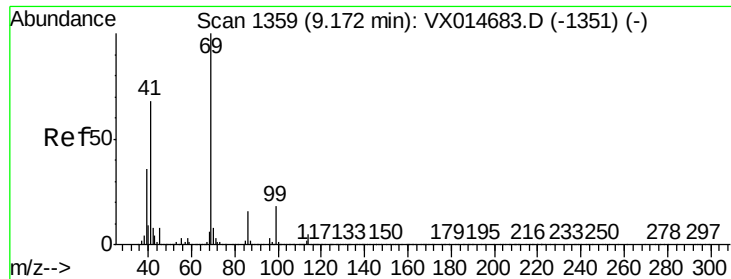
Tgt Ion: 98 Resp: 831661

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6

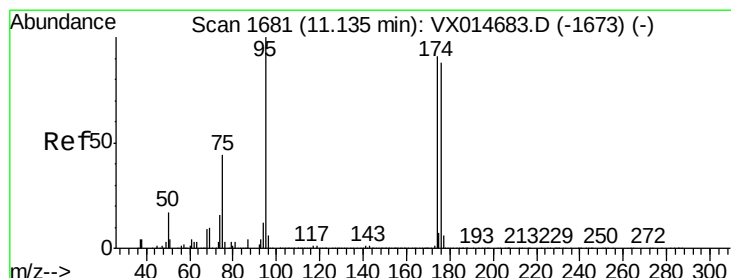
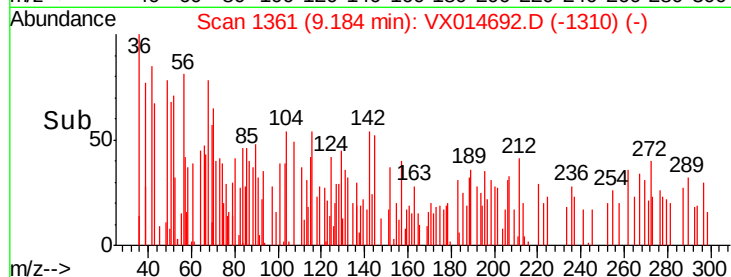
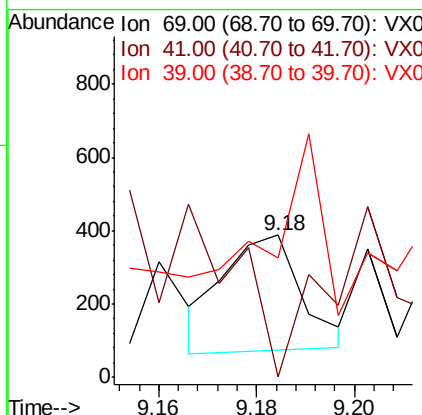
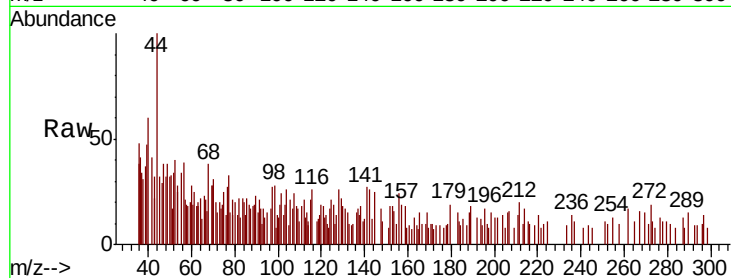




#56
Ethyl methacrylate
Concen: 1.824 ug/l
RT: 9.18 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

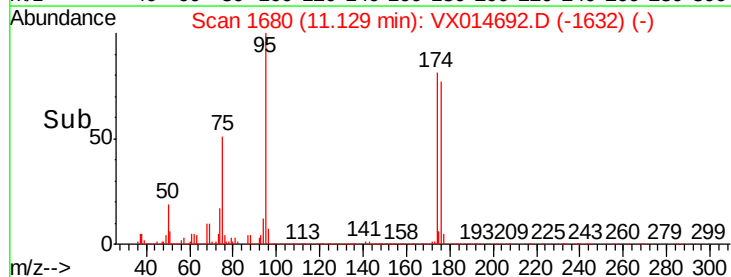
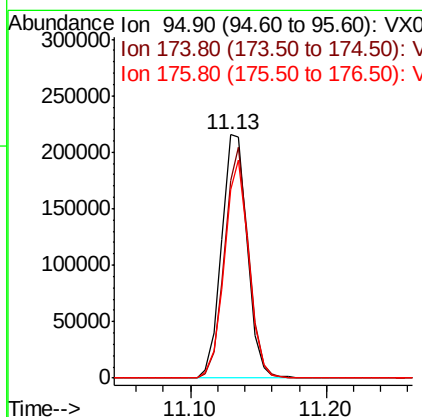
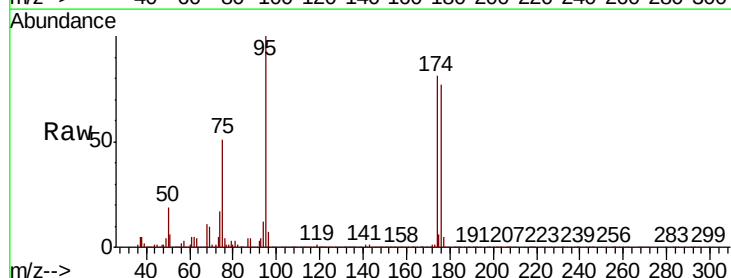
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBL02

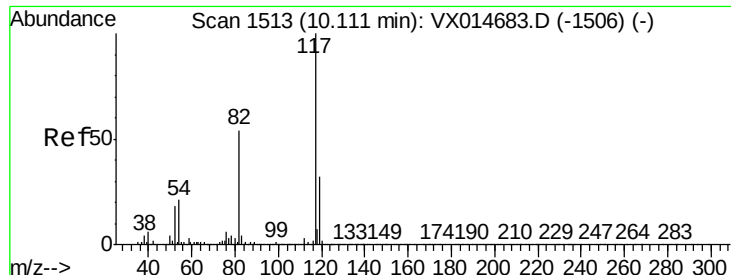
Tot Ion: 69 Resp: 348
Ion Ratio Lower Upper
69 100
41 0.0 54.9 82.3#
39 128.2 29.3 43.9#



#62
4-Bromofluorobenzene
Concen: 46.840 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

Tgt Ion: 95 Resp: 282507
Ion Ratio Lower Upper
95 100
174 89.1 0.0 176.0
176 84.9 0.0 172.2

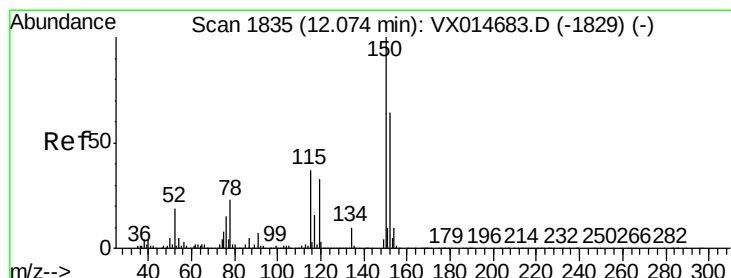
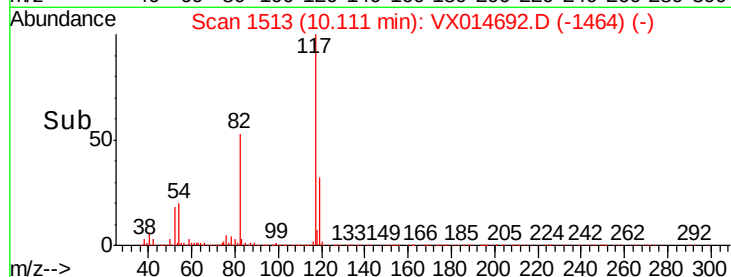
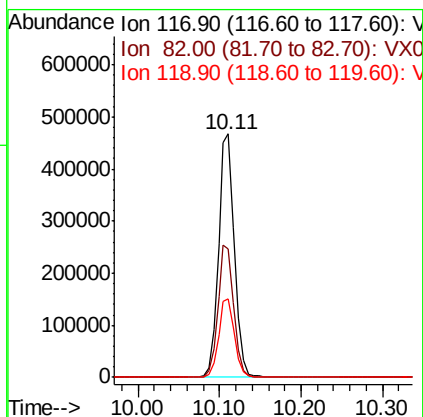
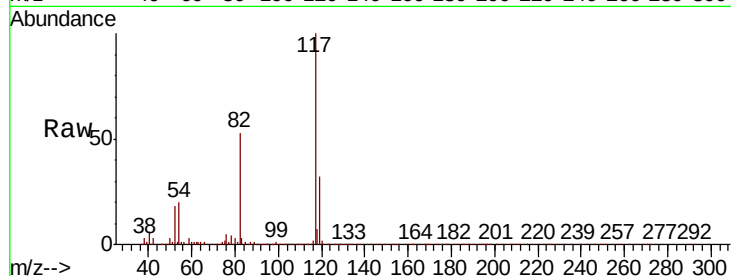




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

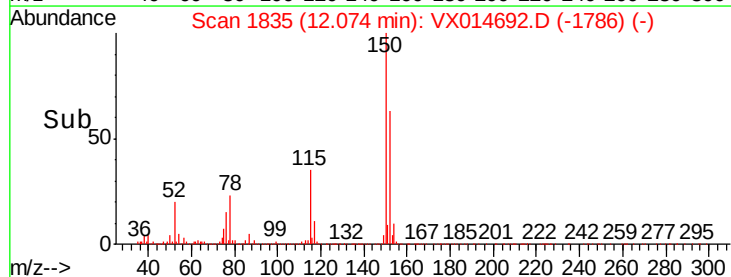
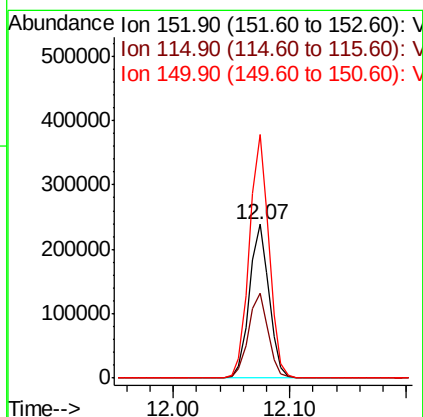
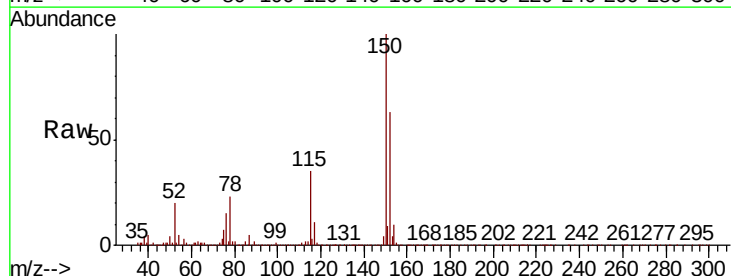
Instrument :
MSVOA_X
ClientSampleId :
VX0124WBL02

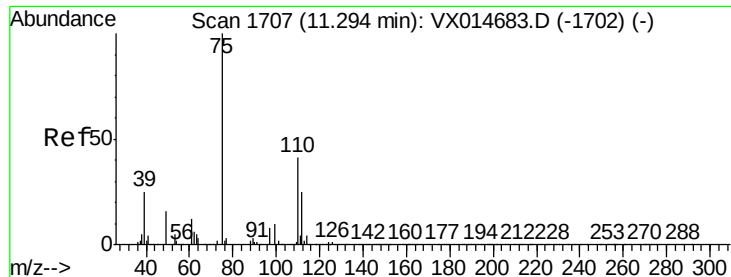
Tot Ion:117 Resp: 636825
Ion Ratio Lower Upper
117 100
82 52.6 43.2 64.8
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014692.D
Acq: 24 Jan 2020 12:55

Tgt Ion:152 Resp: 282484
Ion Ratio Lower Upper
152 100
115 55.7 39.4 118.1
150 157.5 0.0 351.2

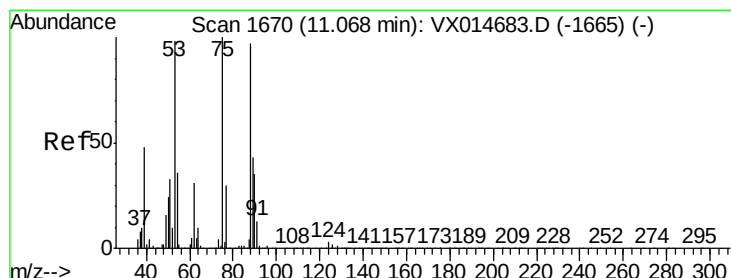
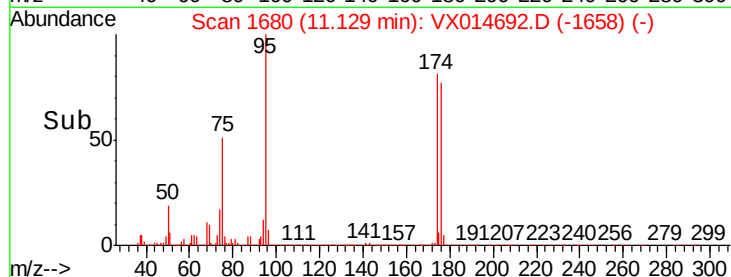
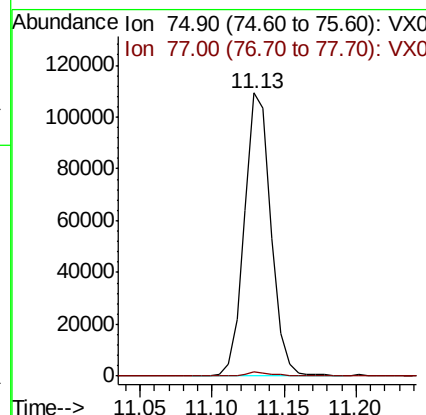
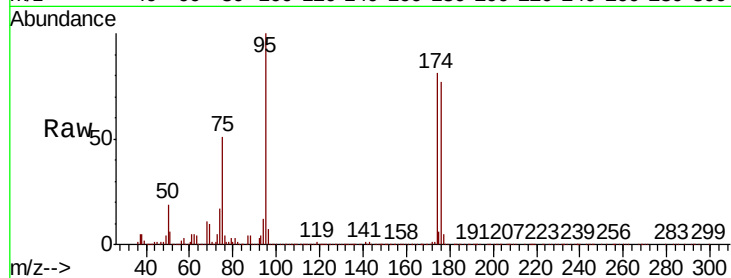




#76
 1,2,3-Trichloropropane
 Concen: 21.104 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX014692.D
 Acq: 24 Jan 2020 12:55

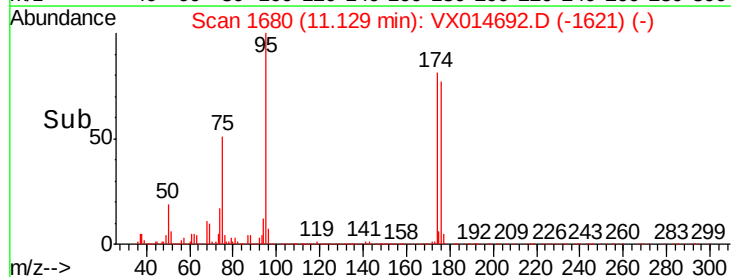
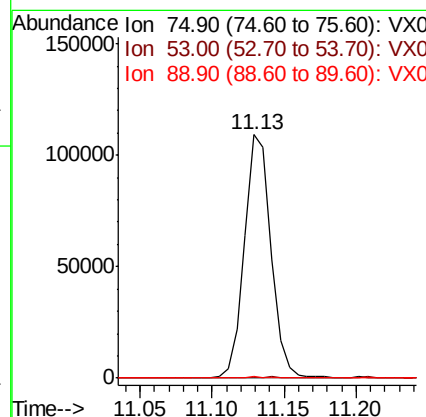
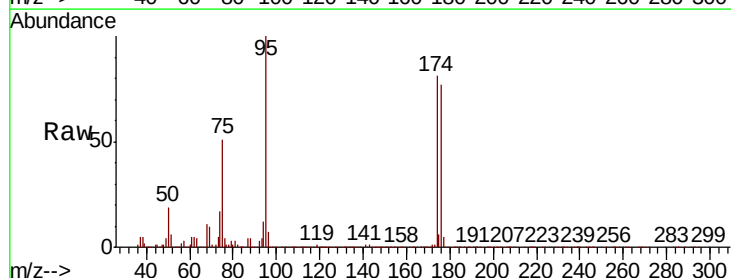
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0124WBL02

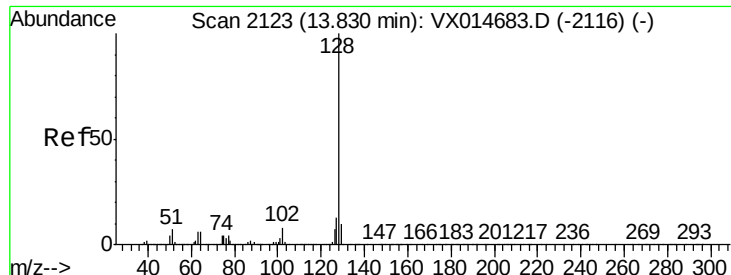
Tot Ion: 75 Resp: 138701
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.7 56.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.059 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX014692.D
 Acq: 24 Jan 2020 12:55

Tgt Ion: 75 Resp: 138701
 Ion Ratio Lower Upper
 75 100
 53 0.8 78.8 118.2#
 89 0.2 35.4 53.0#





#95

Naphthalene

Concen: 0.979 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014692.D

Acq: 24 Jan 2020 12:55

Instrument :

MSVOA_X

ClientSampleId :

VX0124WBL02

Tot Ion:128 Resp: 963

Ion Ratio Lower Upper

128 100

127 36.2 10.3 15.5#

129 53.0 8.6 12.8#

