

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031020\
 Data File : VX015168.D
 Acq On : 10 Mar 2020 14:11
 Operator : JC/SP
 Sample : L1842-27
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 07:29:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	338976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	556593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	536549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	266595	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	210330	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	5.49	113	173775	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.71	98	679789	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.14	95	245315	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	

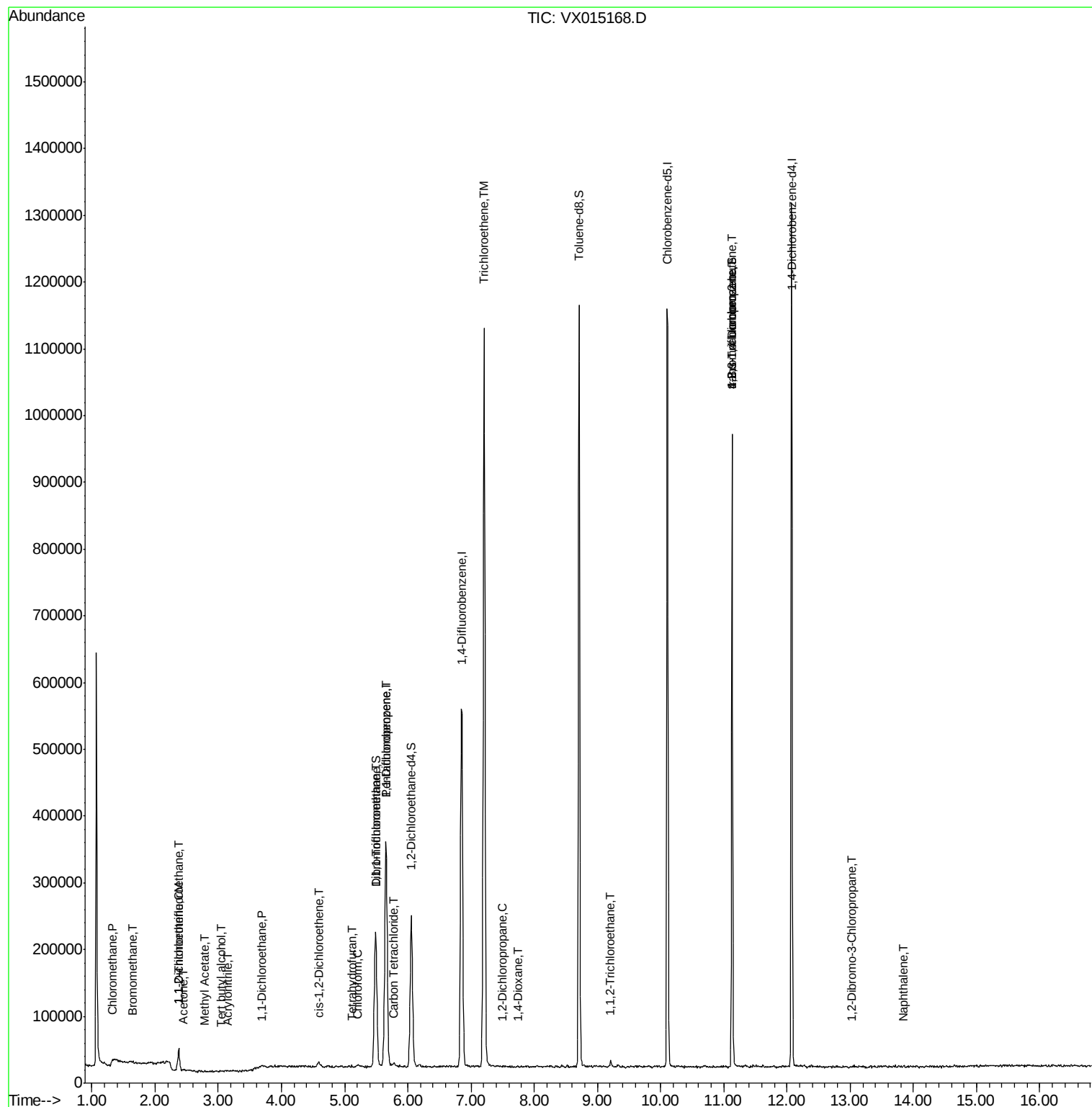
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2111	0.502	ug/l #	68
5) Bromomethane	1.64	94	874	0.333	ug/l #	36
9) 1,1,2-Trichlorotrifluoroet	2.38	101	9105	2.853	ug/l	95
11) Tert butyl alcohol	3.05	59	144	0.206	ug/l #	1
12) 1,1-Dichloroethene	2.37	96	6105	1.853	ug/l	85
15) Acrylonitrile	3.15	53	470	0.270	ug/l #	57
16) Acetone	2.44	43	3831	2.352	ug/l	93
18) Methyl Acetate	2.77	43	943	0.237	ug/l #	71
24) 1,1-Dichloroethane	3.69	63	2656	0.418	ug/l #	81
27) cis-1,2-Dichloroethene	4.59	96	4381	1.110	ug/l	94
29) Tetrahydrofuran	5.12	42	944	0.614	ug/l #	32
30) Chloroform	5.21	83	3280	0.530	ug/l	85
32) 1,1,1-Trichloroethane	5.48	97	1207	0.235	ug/l #	43
36) 1,1-Dichloropropene	5.65	75	24645	4.790	ug/l #	50
38) Carbon Tetrachloride	5.78	117	3332	0.686	ug/l	97
44) Trichloroethene	7.21	130	428689	100.833	ug/l	98
45) 1,2-Dichloropropane	7.50	63	804	0.203	ug/l #	79
49) 1,4-Dioxane	7.73	88	231	2.500	ug/l #	1
55) 1,1,2-Trichloroethane	9.21	97	3291	0.857	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	123575	23.238	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	123575	65.950	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	300	0.264	ug/l #	39
95) Naphthalene	13.83	128	435	1.444	ug/l #	17

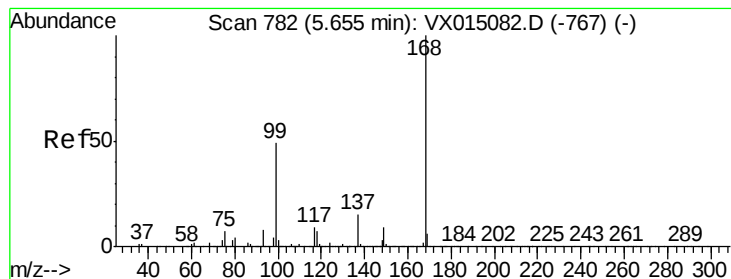
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

Instrument :

MSVOA_X

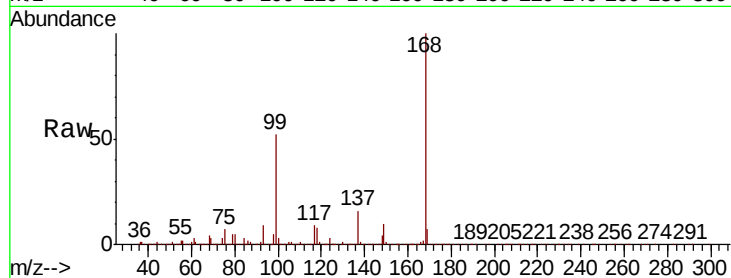
ClientSampled :

Tot Ion:168 Resp: 338976

Ion Ratio Lower Upper

168 100

99 51.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

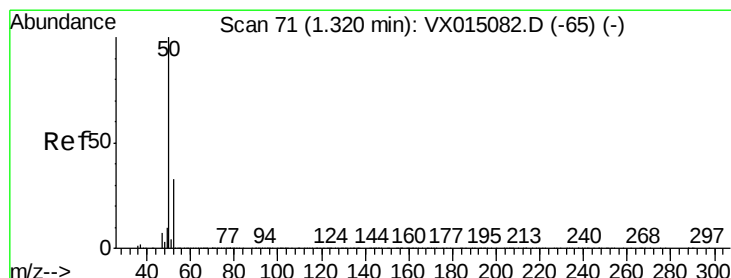
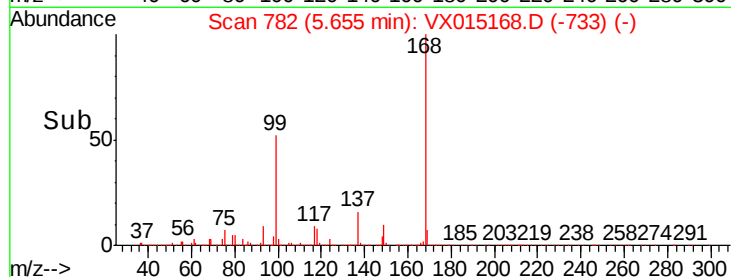
5.65

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.502 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX015168.D

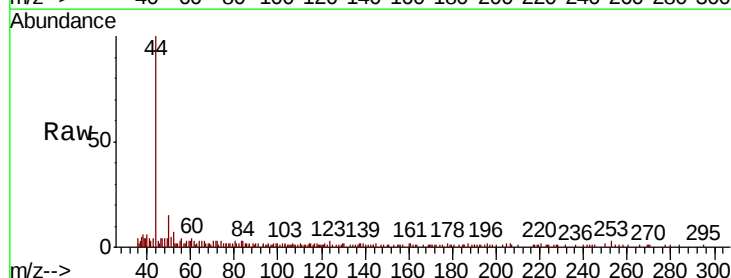
Acq: 10 Mar 2020 14:11

Tgt Ion: 50 Resp: 2111

Ion Ratio Lower Upper

50 100

52 14.5 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

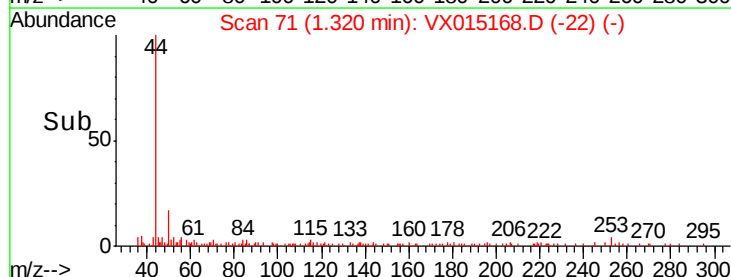
600

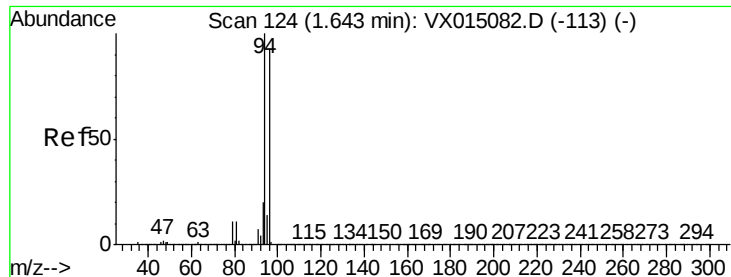
400

200

0

Time--> 1.25 1.30 1.35





#5

Bromomethane

Concen: 0.333 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.00 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

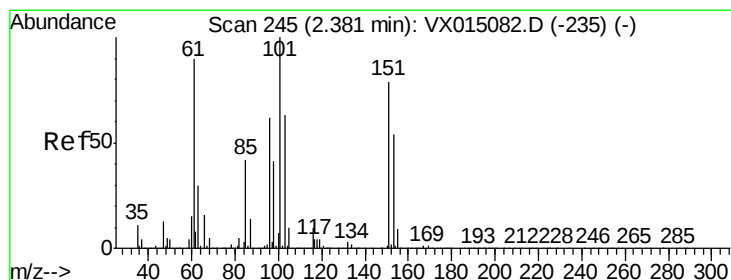
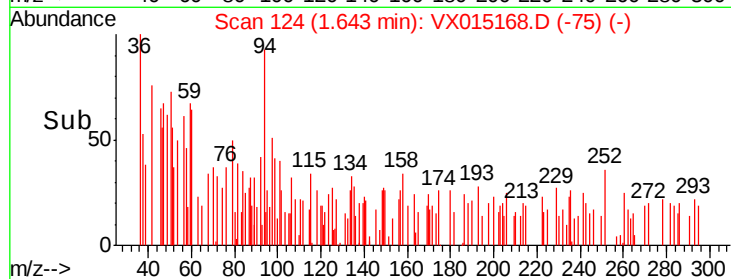
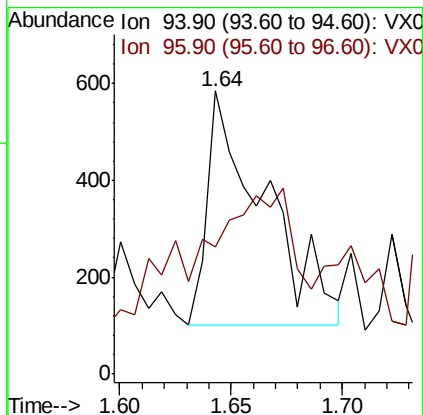
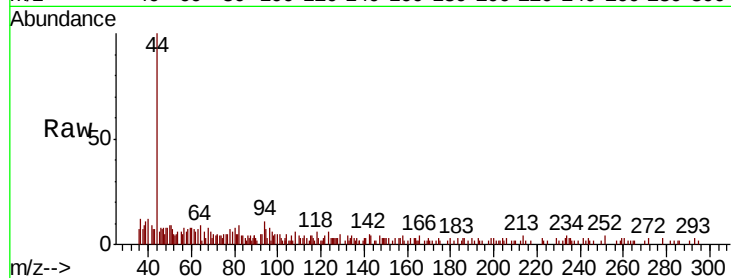
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 874

Ion Ratio Lower Upper

94 100

96 31.9 74.6 111.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.853 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.00 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

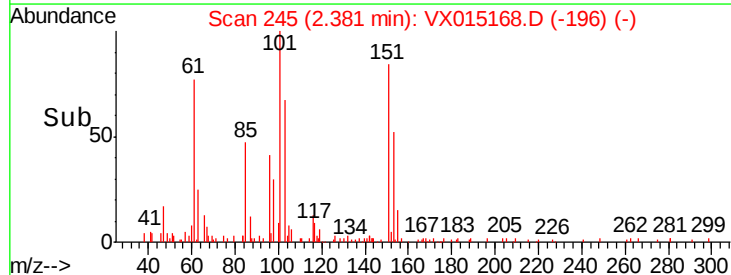
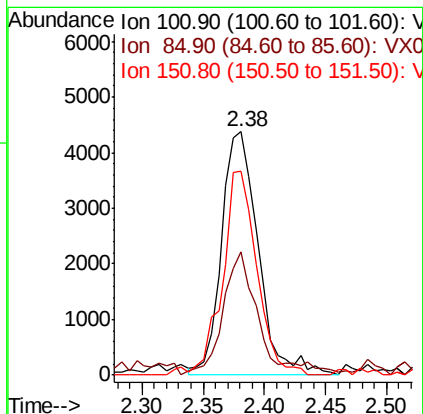
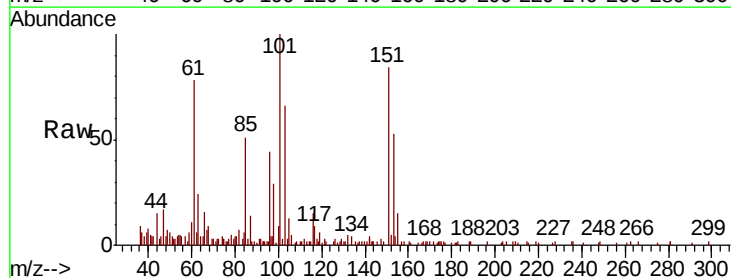
Tgt Ion: 101 Resp: 9105

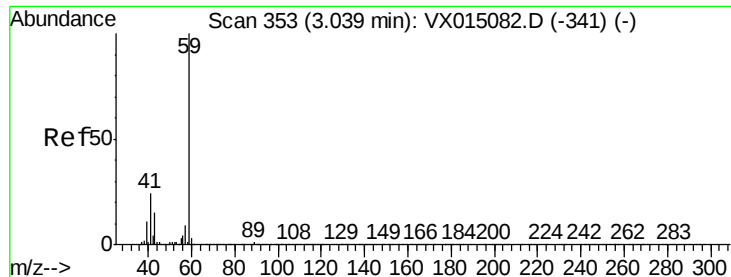
Ion Ratio Lower Upper

101 100

85 49.5 33.7 50.5

151 79.1 64.0 96.0

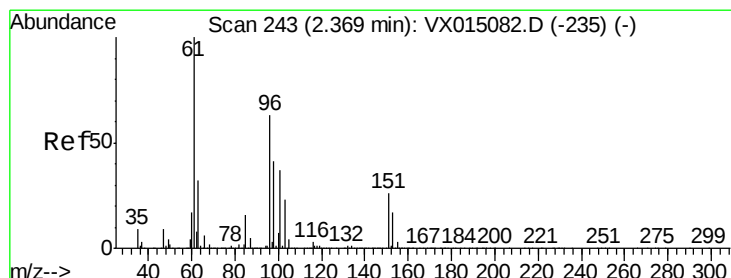
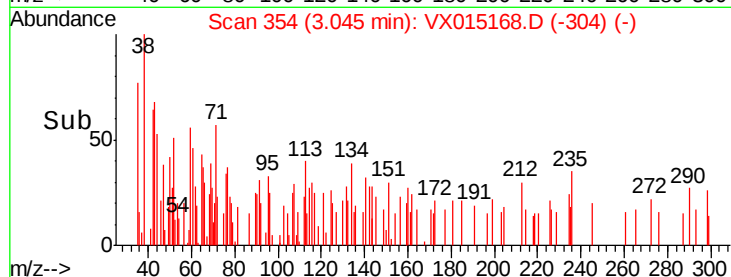
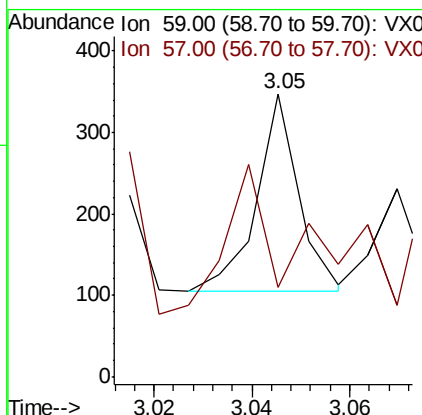
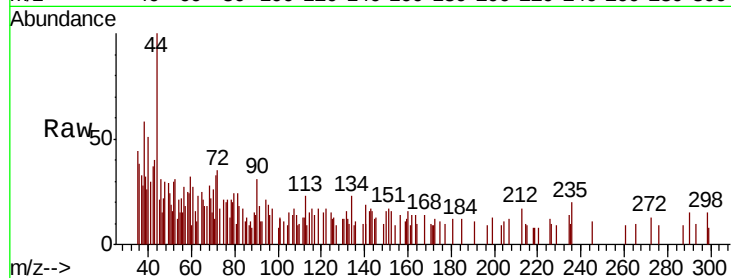




#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 3.05 min Scan# 354
Delta R.T. 0.01 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

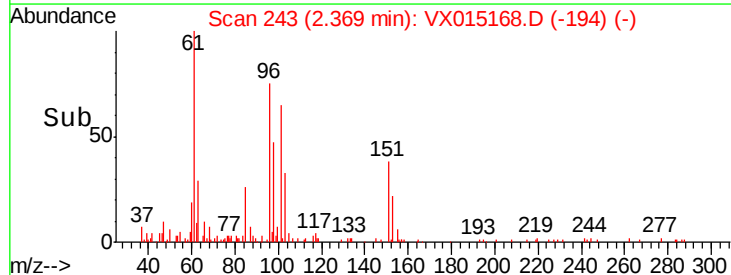
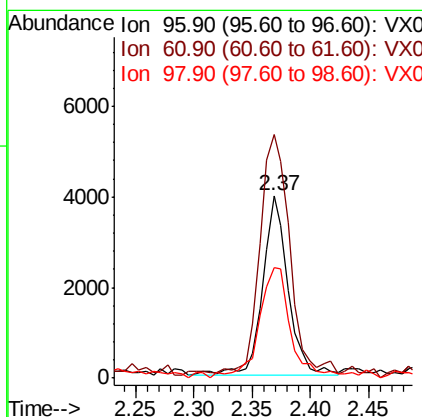
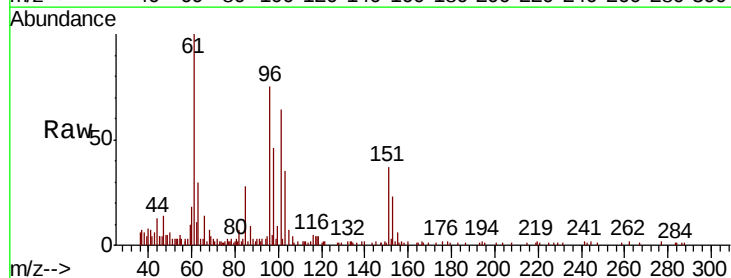
Instrument :
MSVOA_X
ClientSampled :

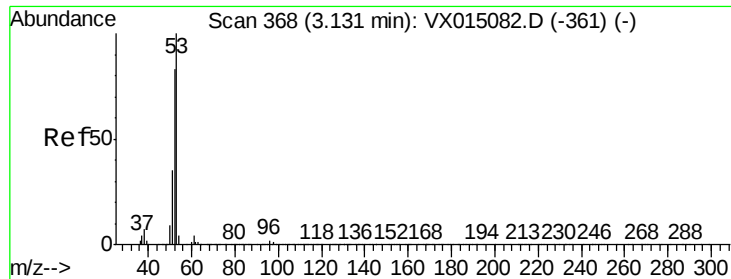
Tot Ion: 59 Resp: 144
Ion Ratio Lower Upper
59 100
57 102.8 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 1.853 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

Tgt Ion: 96 Resp: 6105
Ion Ratio Lower Upper
96 100
61 132.6 126.2 189.4
98 61.6 51.4 77.0





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.02 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampled :

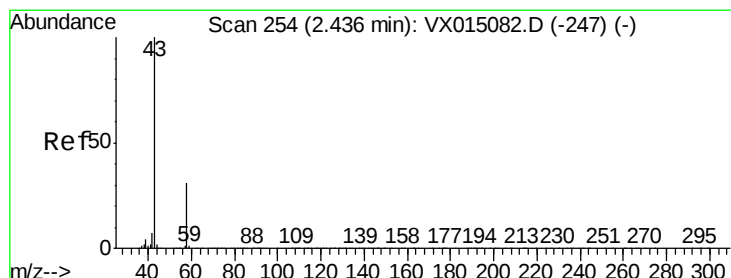
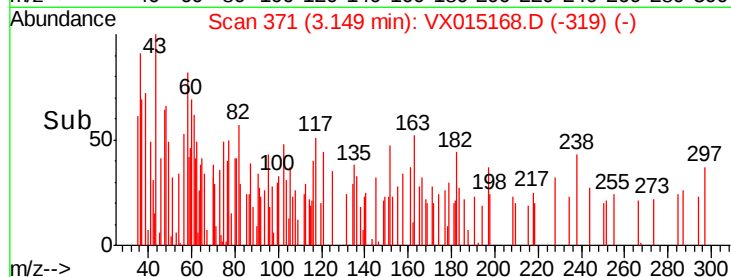
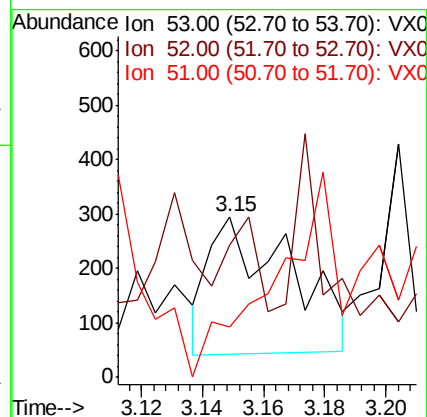
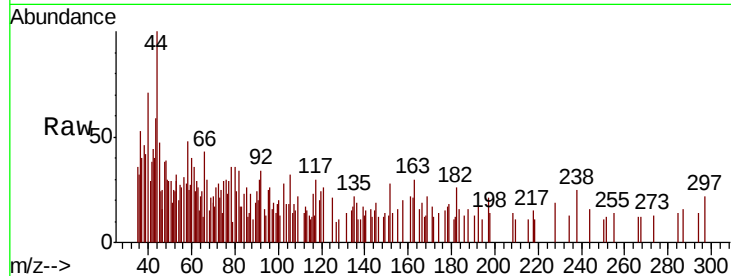
Tot Ion: 53 Resp: 470

Ion Ratio Lower Upper

53 100

52 51.3 66.6 100.0#

51 0.0 29.0 43.6#



#16

Acetone

Concen: 2.352 ug/l

RT: 2.44 min Scan# 255

Delta R.T. 0.01 min

Lab File: VX015168.D

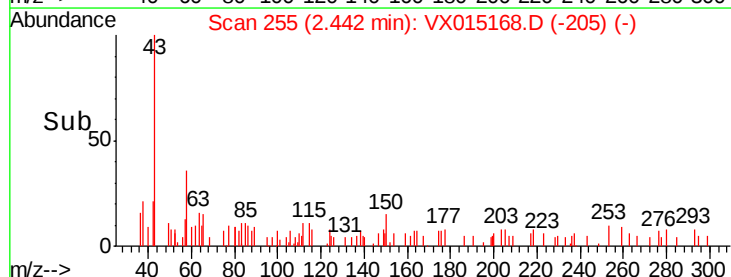
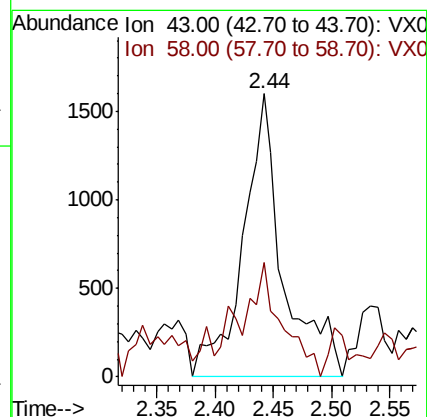
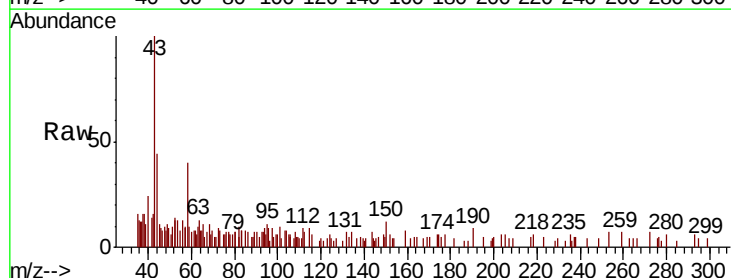
Acq: 10 Mar 2020 14:11

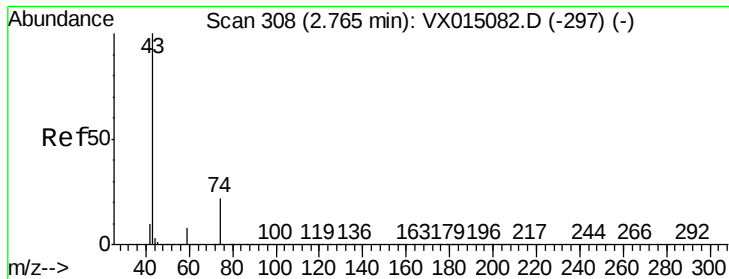
Tgt Ion: 43 Resp: 3831

Ion Ratio Lower Upper

43 100

58 34.9 24.8 37.2

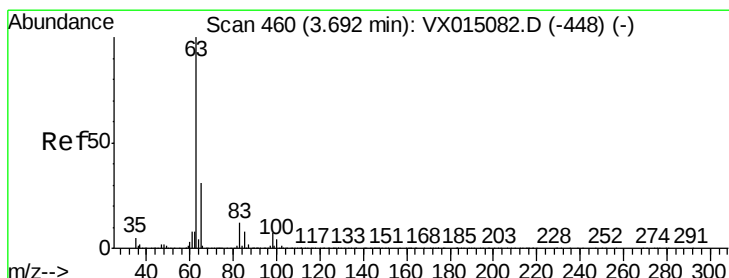
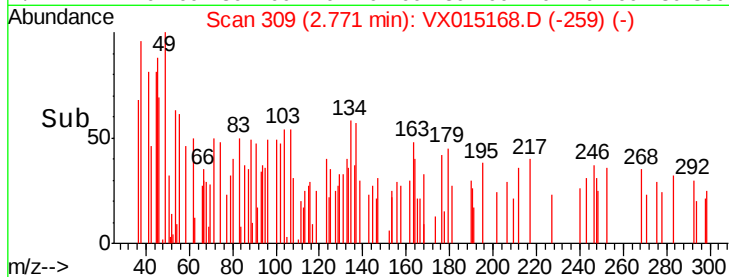
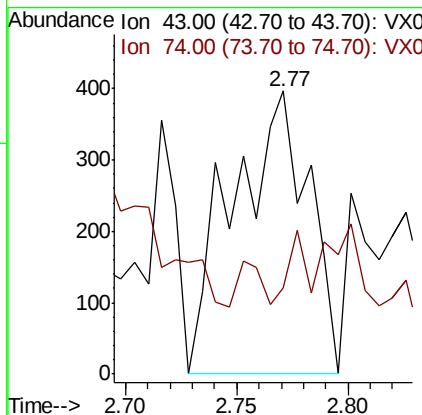
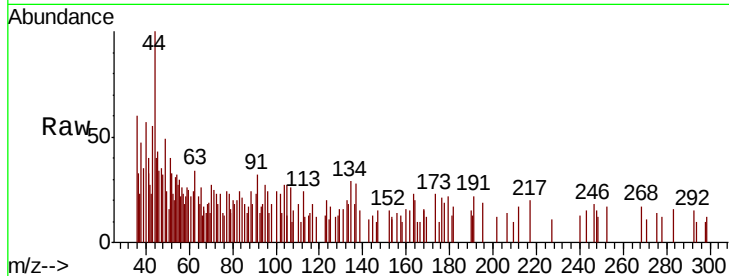




#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 2.77 min Scan# 309
Delta R.T. 0.01 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

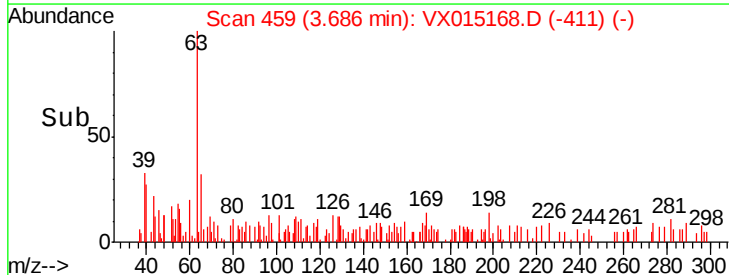
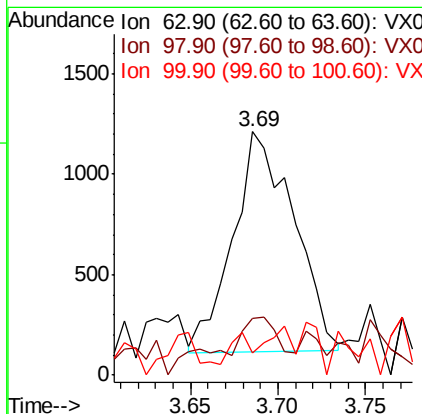
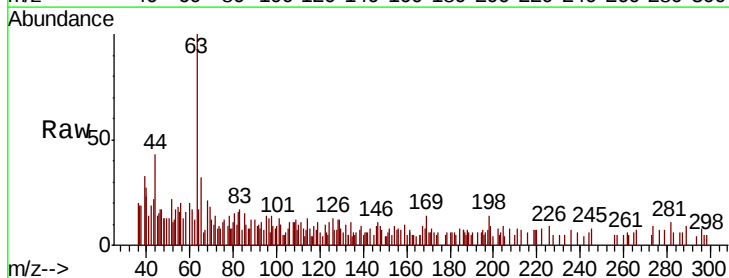
Instrument :
MSVOA_X
ClientSampled :

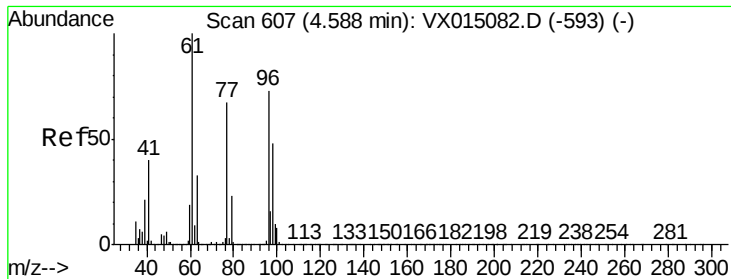
Tot Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
74 9.2 18.8 28.2#



#24
1,1-Dichloroethane
Concen: 0.418 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.01 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

Tgt Ion: 63 Resp: 2656
Ion Ratio Lower Upper
63 100
98 15.4 3.7 11.1#
100 0.0 2.1 6.5#



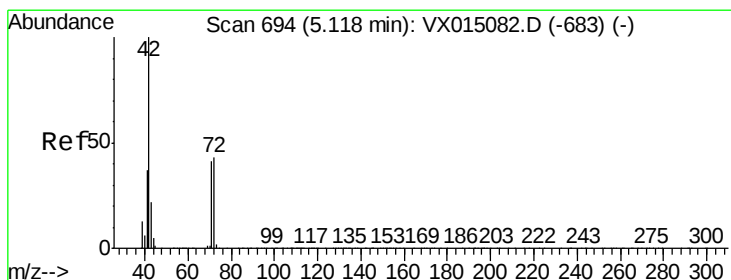
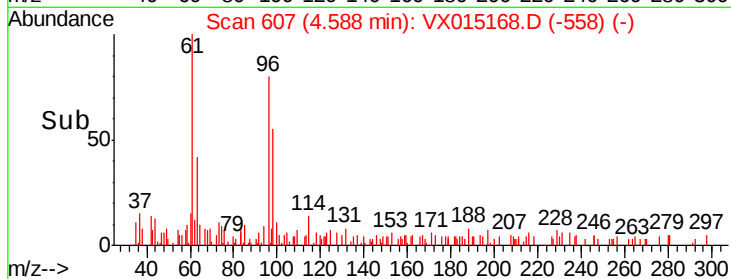
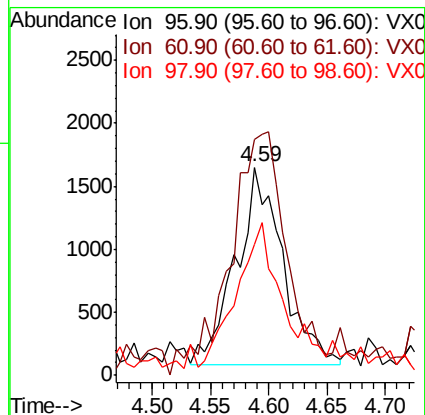
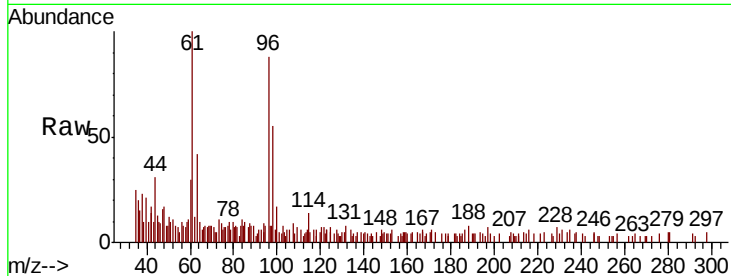


#27

cis-1,2-Dichloroethene
 Concen: 1.110 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VX015168.D
 Acq: 10 Mar 2020 14:11

Instrument :
 MSVOA_X
 ClientSampled :

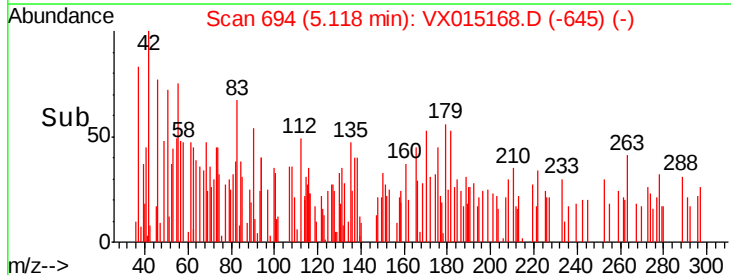
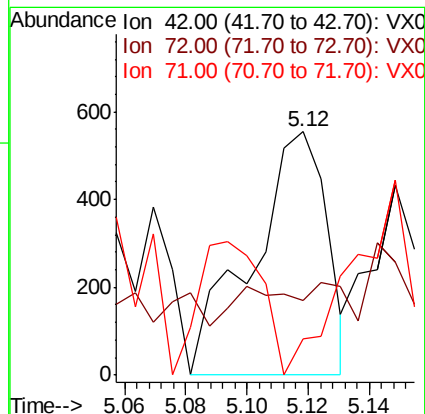
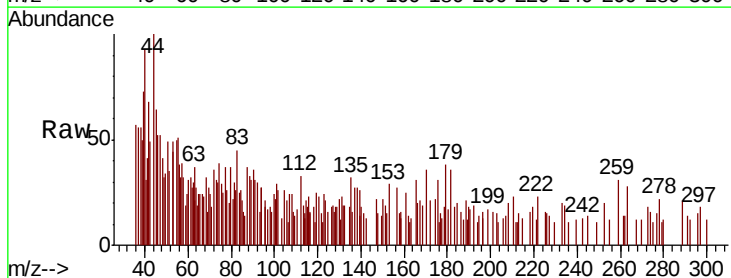
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	286.8
98	70.3	0.0	128.4

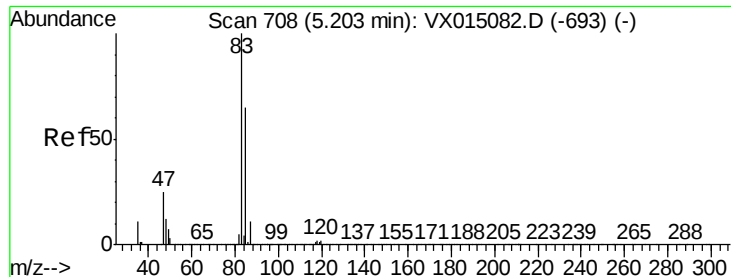


#29

Tetrahydrofuran
 Concen: 0.614 ug/l
 RT: 5.12 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VX015168.D
 Acq: 10 Mar 2020 14:11

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	0.0	33.3	49.9#

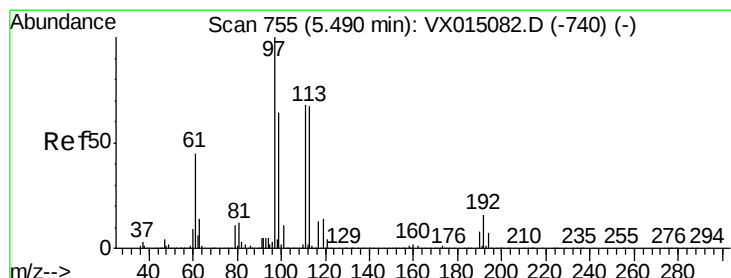
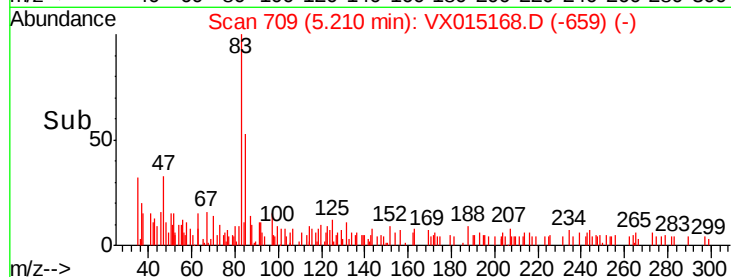
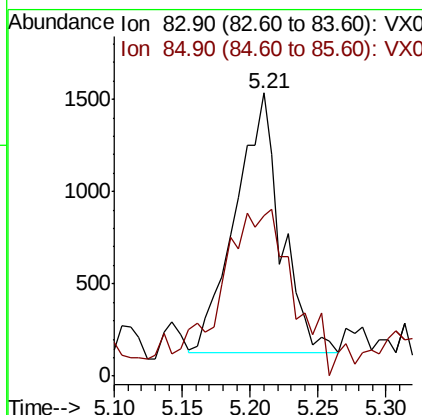
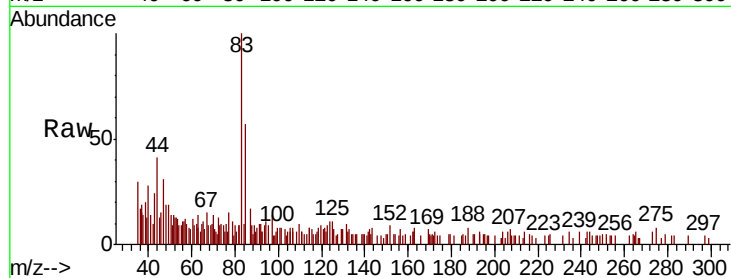




#30
Chloroform
Concen: 0.530 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

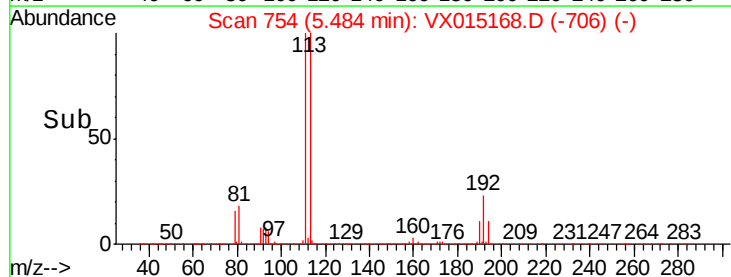
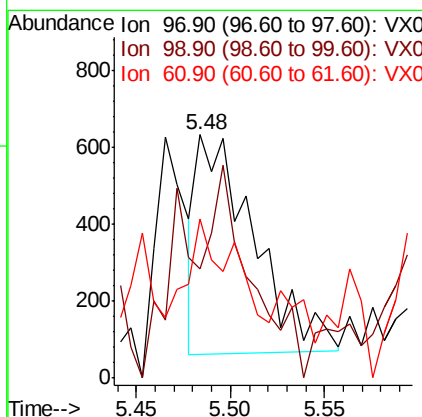
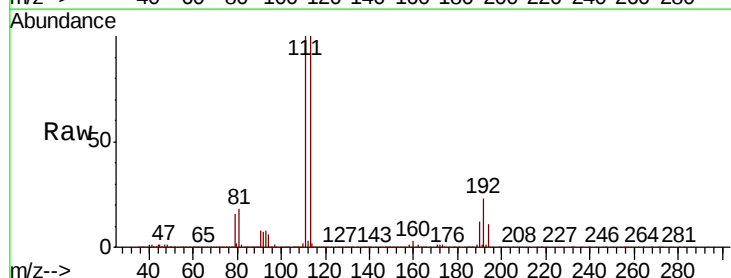
Instrument :
MSVOA_X
ClientSampleId :

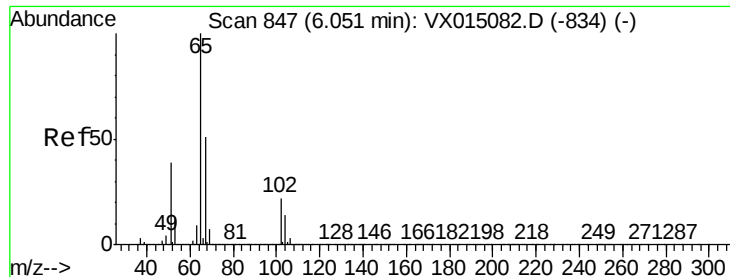
Tot Ion: 83 Resp: 3280
Ion Ratio Lower Upper
83 100
85 53.0 52.0 78.0



#32
1,1,1-Trichloroethane
Concen: 0.235 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

Tgt Ion: 97 Resp: 1207
Ion Ratio Lower Upper
97 100
99 0.0 52.8 79.2#
61 33.6 36.6 54.8#





#33

1,2-Dichloroethane-d4

Concen: 52.301 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

Instrument :

MSVOA_X

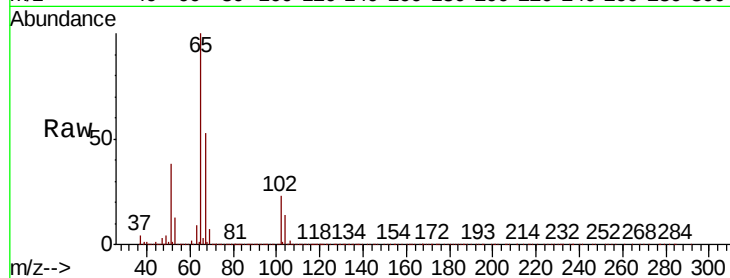
ClientSampleId :

Tot Ion: 65 Resp: 210330

Ion Ratio Lower Upper

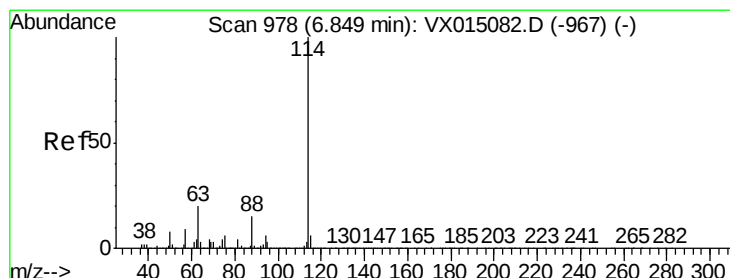
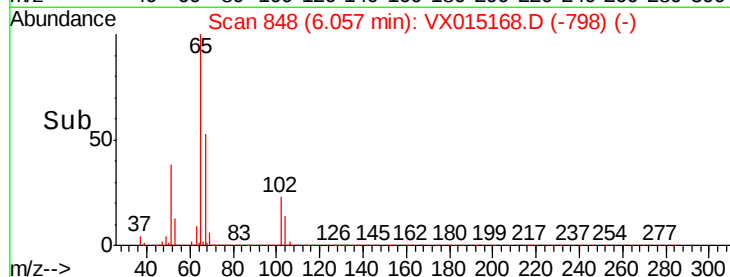
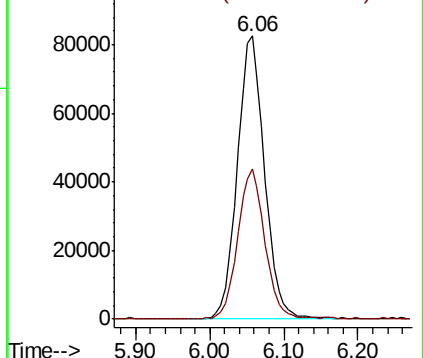
65 100

67 52.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

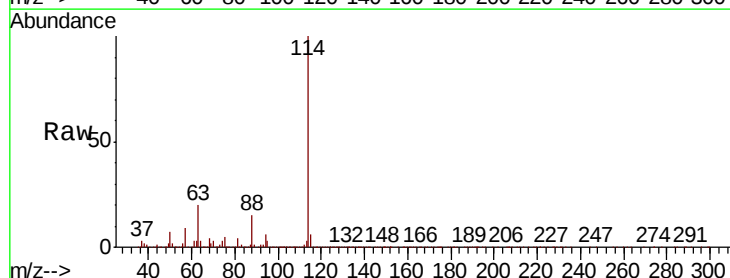
Tgt Ion: 114 Resp: 556593

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

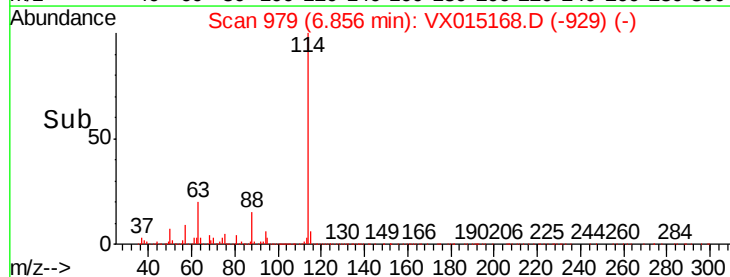
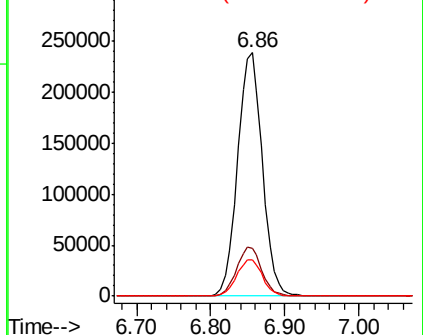
88 14.8 0.0 30.6

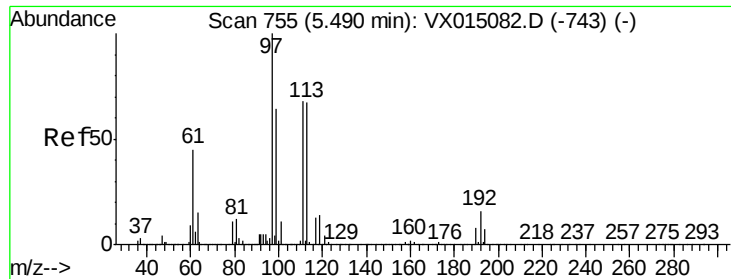


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

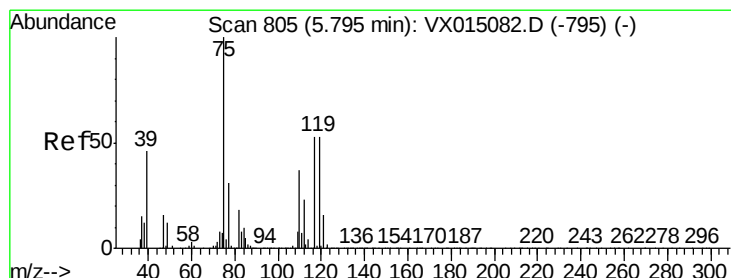
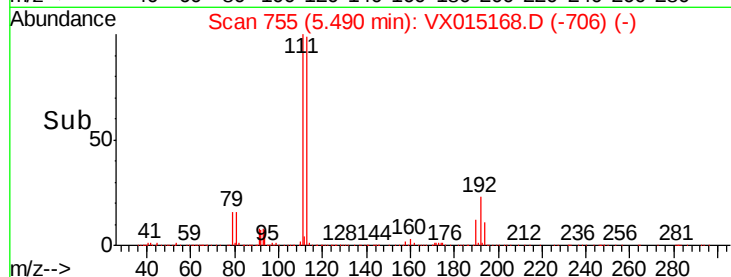
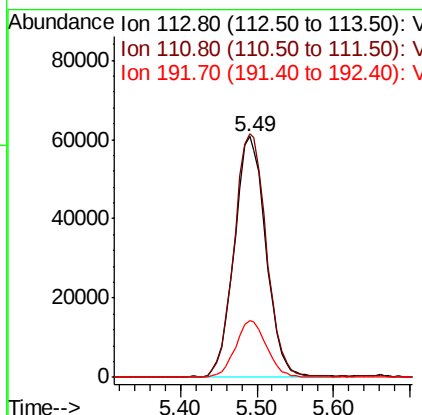
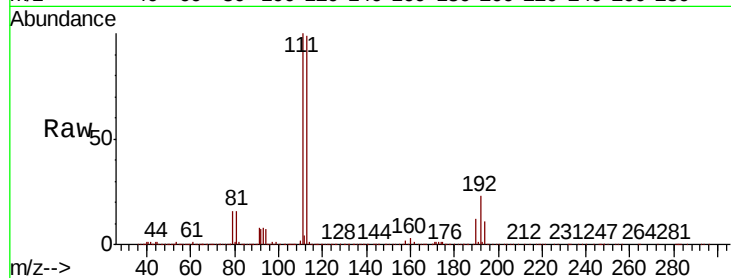




#35
 Dibromofluoromethane
 Concen: 49.489 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015168.D
 Acq: 10 Mar 2020 14:11

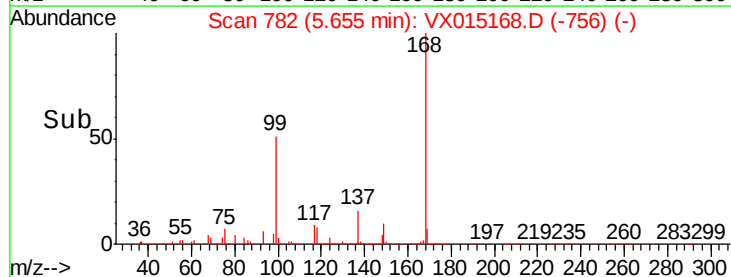
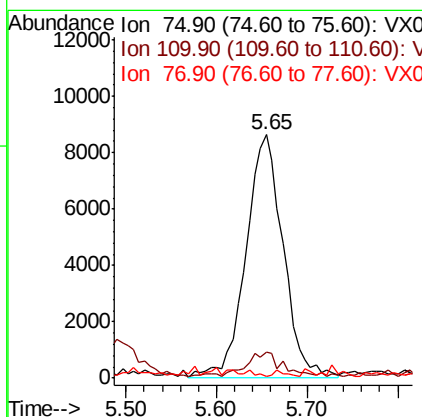
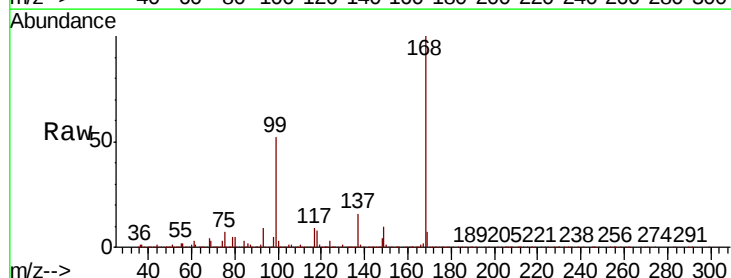
Instrument :
 MSVOA_X
 ClientSampleId :

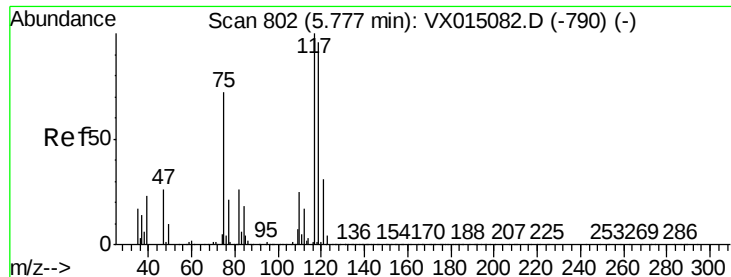
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	123.8
192	23.5	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015168.D
 Acq: 10 Mar 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.9	53.8#
77	0.7	24.8	37.2#

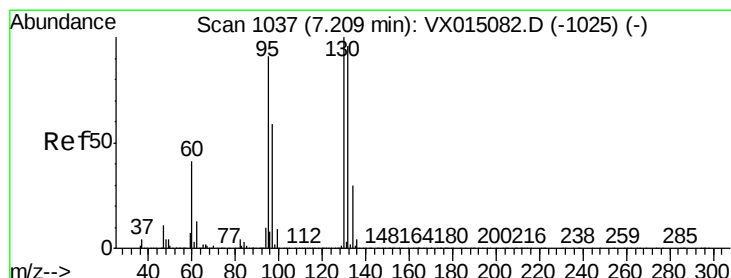
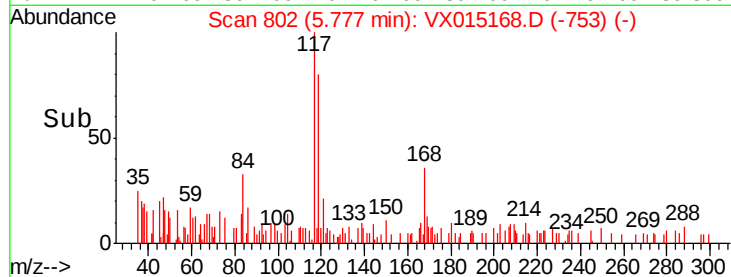
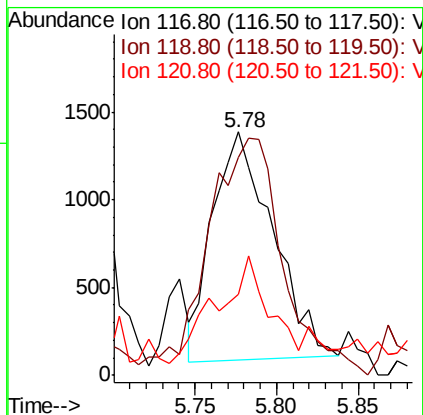
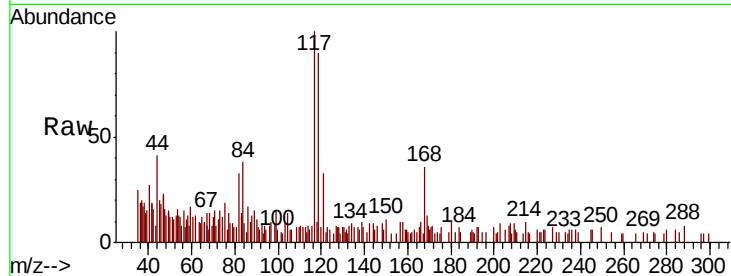




#38
Carbon Tetrachloride
Concen: 0.686 ug/l
RT: 5.78 min Scan# 802
Delta R.T. 0.00 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

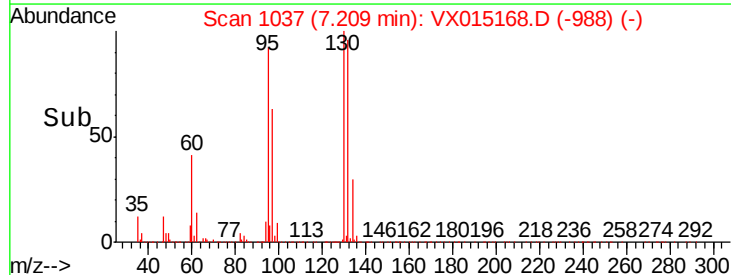
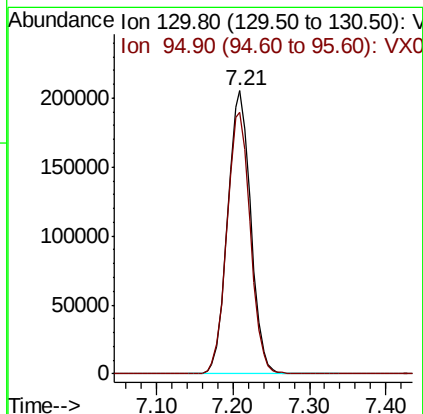
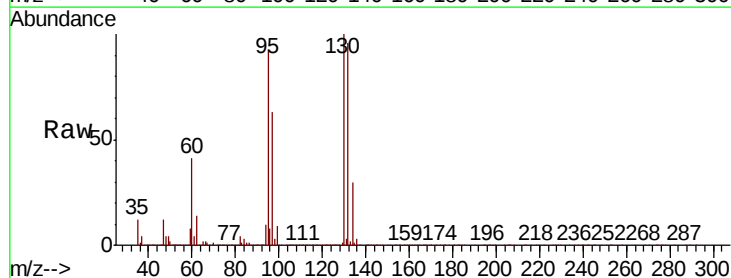
Instrument :
MSVOA_X
ClientSampleId :

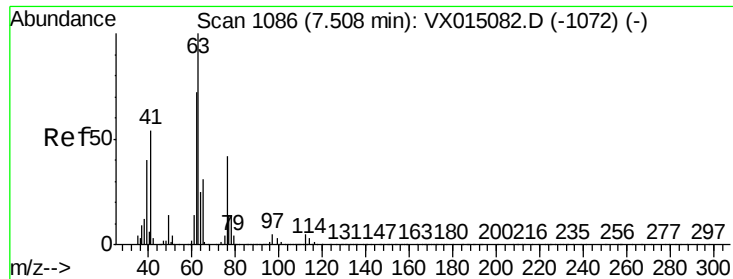
Tot Ion:117 Resp: 3332
Ion Ratio Lower Upper
117 100
119 97.5 76.9 115.3
121 27.6 24.6 37.0



#44
Trichloroethene
Concen: 100.833 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

Tgt Ion:130 Resp: 428689
Ion Ratio Lower Upper
130 100
95 92.4 0.0 181.2





#45

1,2-Dichloropropane

Concen: 0.203 ug/l

RT: 7.50 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

Instrument :

MSVOA_X

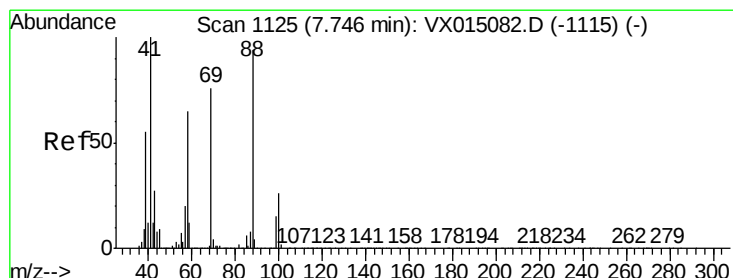
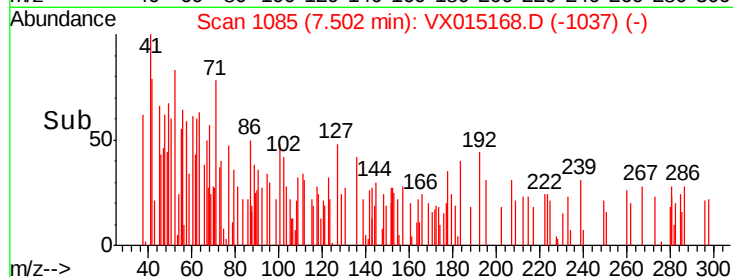
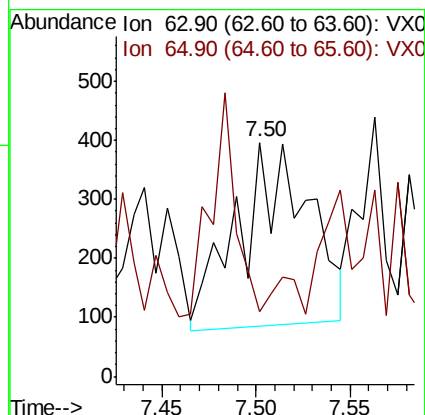
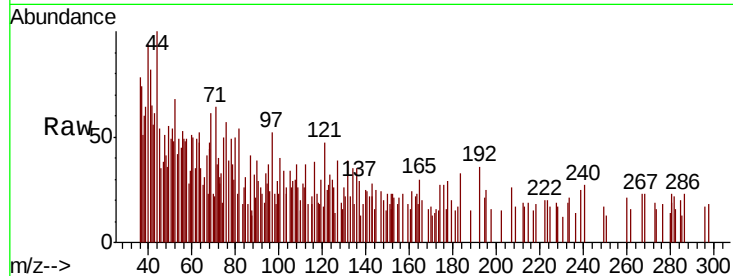
ClientSampled :

Tot Ion: 63 Resp: 804

Ion Ratio Lower Upper

63 100

65 42.4 24.6 36.8#



#49

1,4-Dioxane

Concen: 2.500 ug/l

RT: 7.73 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

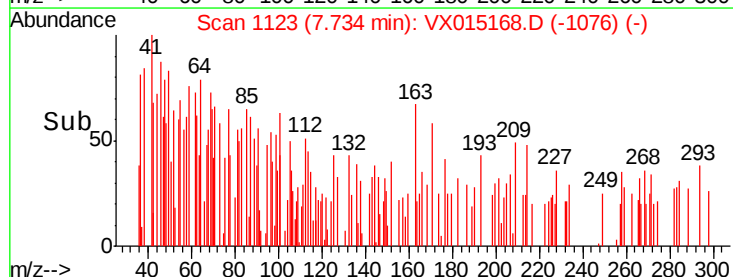
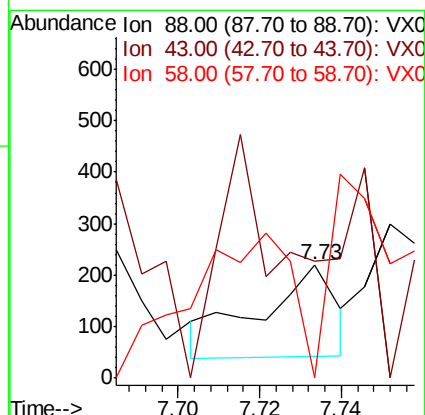
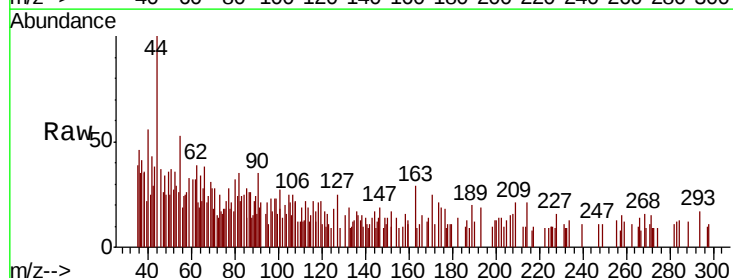
Tgt Ion: 88 Resp: 231

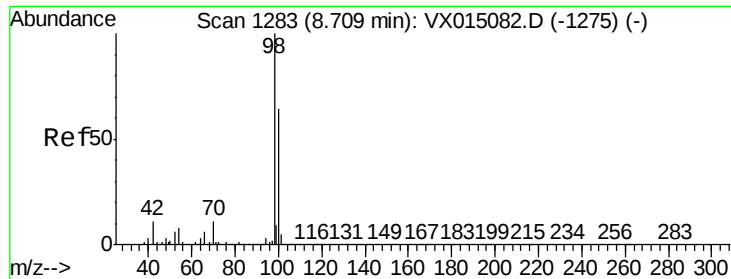
Ion Ratio Lower Upper

88 100

43 101.3 27.0 40.4#

58 252.4 55.6 83.4#





#50

Toluene-d8

Concen: 50.895 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

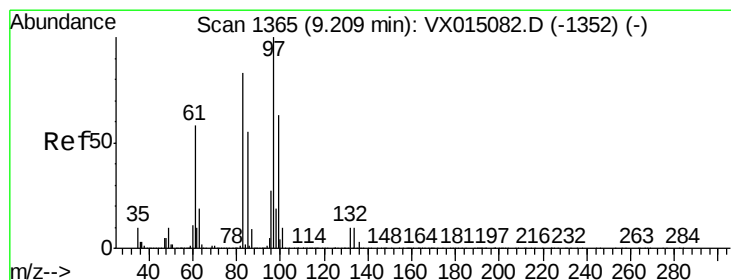
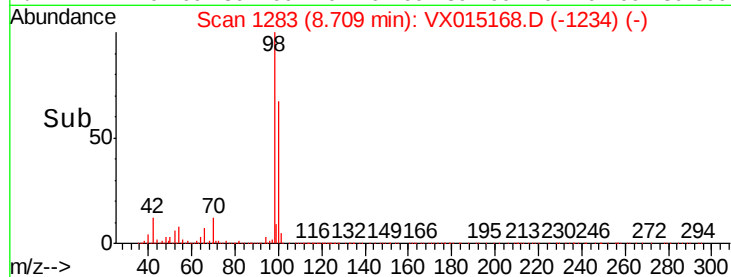
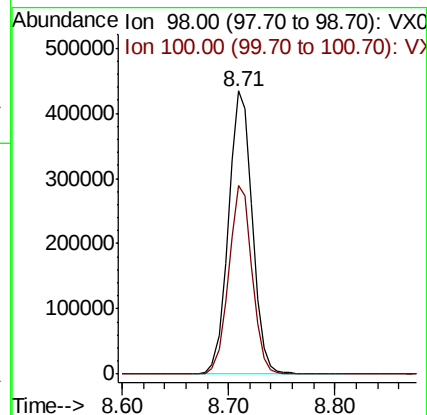
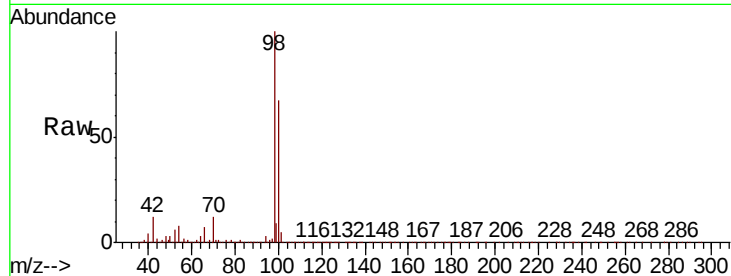
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 679789

Ion Ratio Lower Upper

98 100

100 65.4 52.4 78.6



#55

1,1,2-Trichloroethane

Concen: 0.857 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

Tgt Ion: 97 Resp: 3291

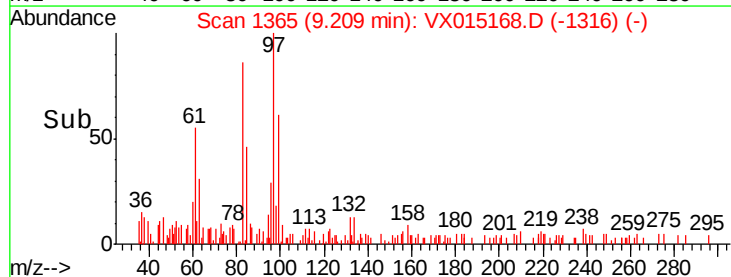
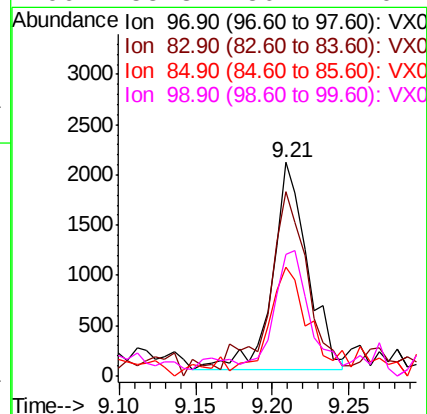
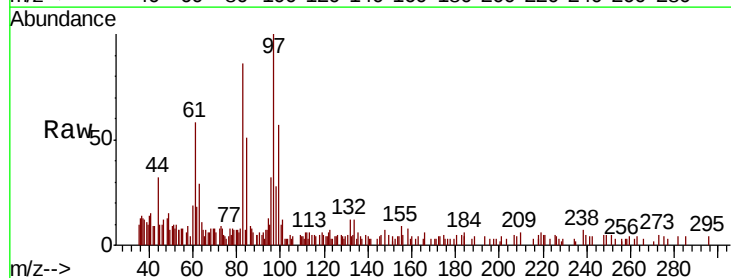
Ion Ratio Lower Upper

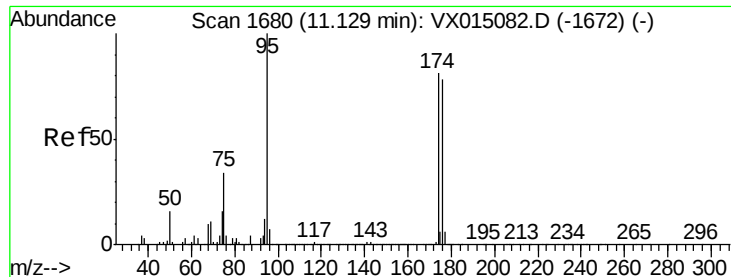
97 100

83 80.8 66.4 99.6

85 43.8 43.5 65.3

99 55.3 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 51.491 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

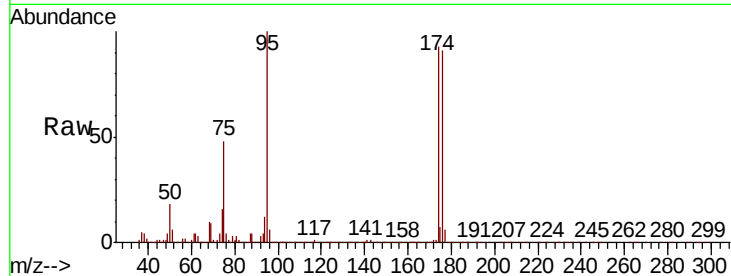
Tot Ion: 95 Resp: 245315

Ion Ratio Lower Upper

95 100

174 89.8 0.0 177.6

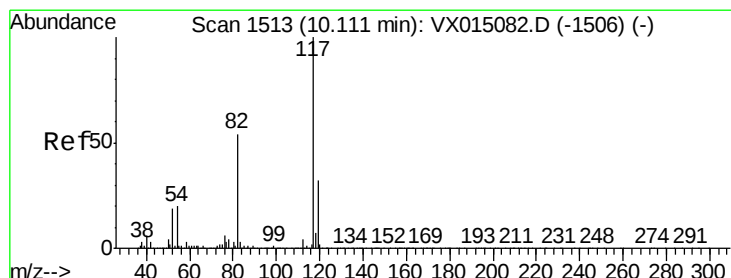
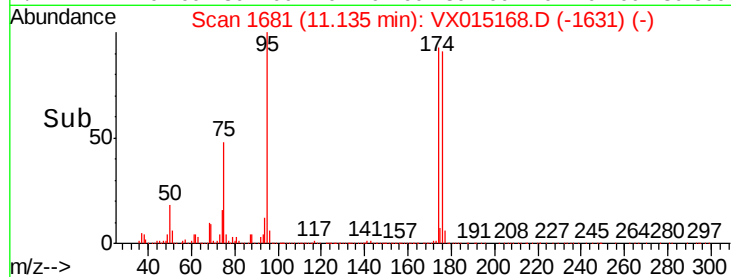
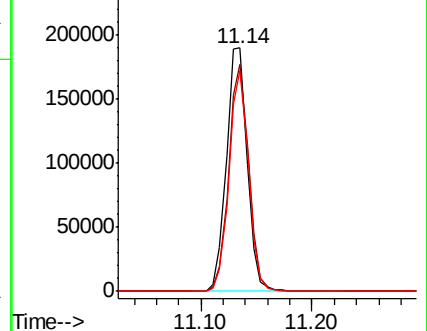
176 85.8 0.0 170.2



Abundance Ion 94.90 (94.60 to 95.60): VX015082.D (-1672) (-)

Ion 173.80 (173.50 to 174.50): VX015082.D (-1672) (-)

Ion 175.80 (175.50 to 176.50): VX015082.D (-1672) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX015168.D

Acq: 10 Mar 2020 14:11

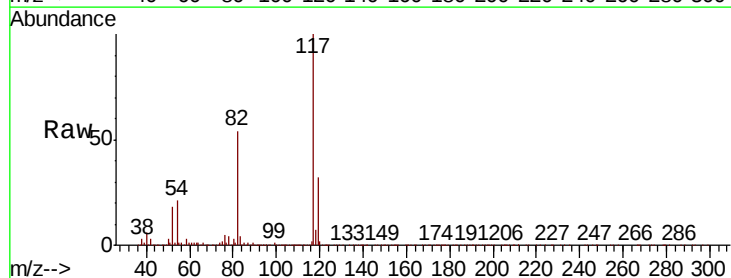
Tgt Ion: 117 Resp: 536549

Ion Ratio Lower Upper

117 100

82 53.7 43.3 64.9

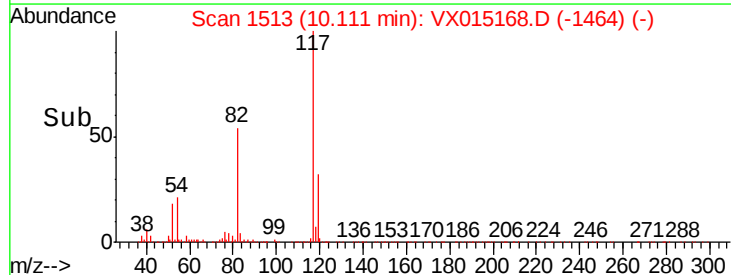
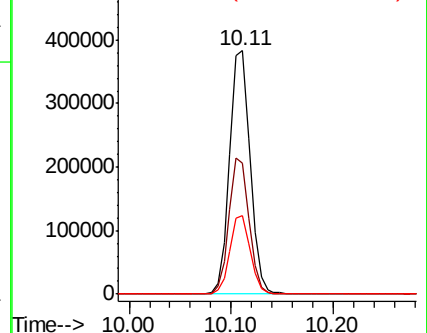
119 32.1 25.8 38.8

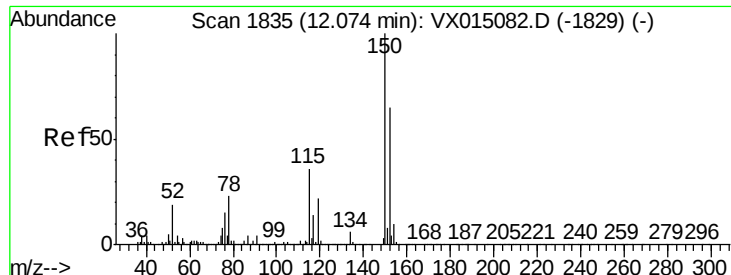


Abundance Ion 116.90 (116.60 to 117.60): VX015082.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX015082.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX015082.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: VX015168.D

Acq: 10 Mar 2020 14:11

Instrument :

MSVOA_X

ClientSampleId :

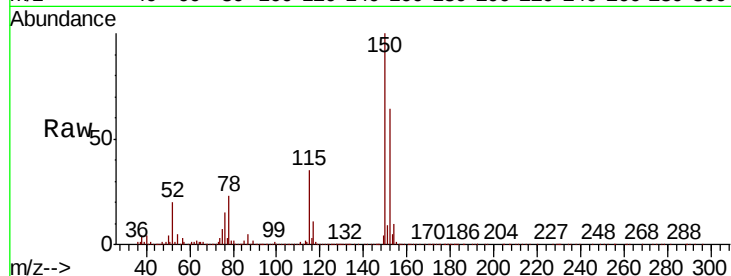
Tot Ion:152 Resp: 266595

Ion Ratio Lower Upper

152 100

115 56.2 38.2 114.6

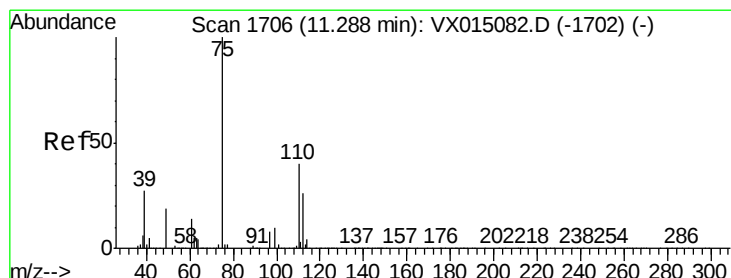
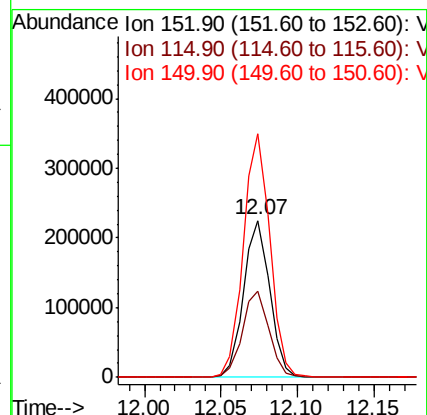
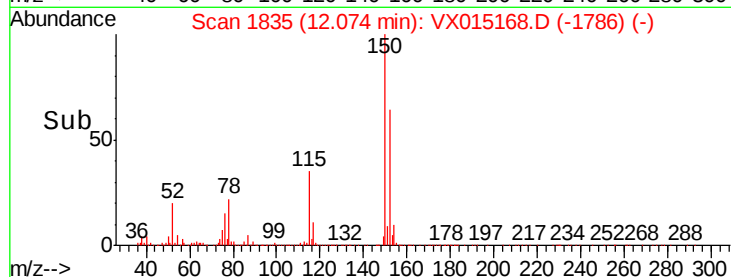
150 157.0 0.0 343.8



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: 23.238 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015168.D

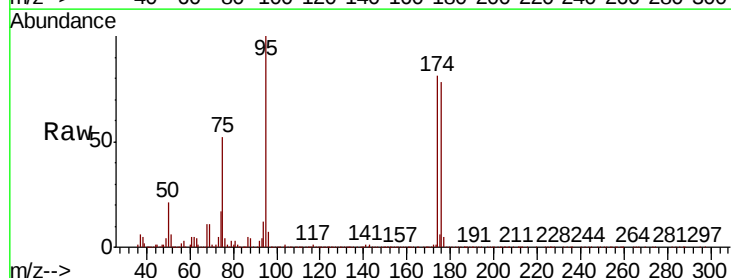
Acq: 10 Mar 2020 14:11

Tgt Ion: 75 Resp: 123575

Ion Ratio Lower Upper

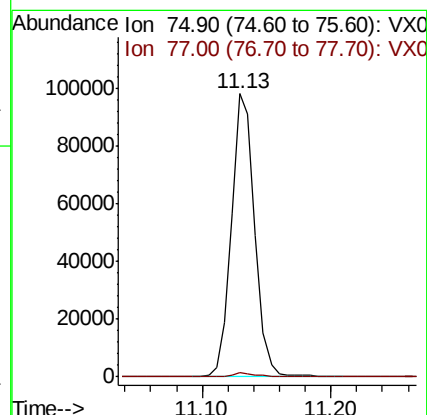
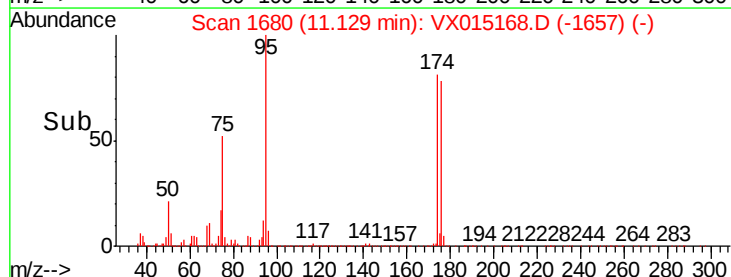
75 100

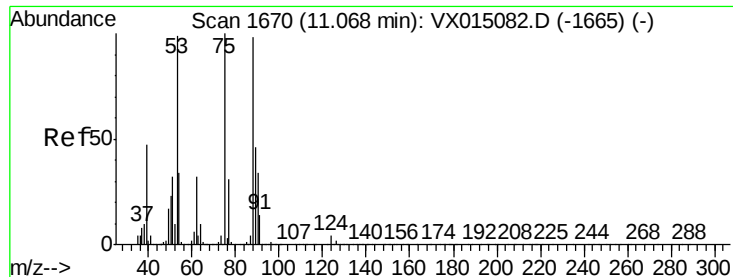
77 1.3 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

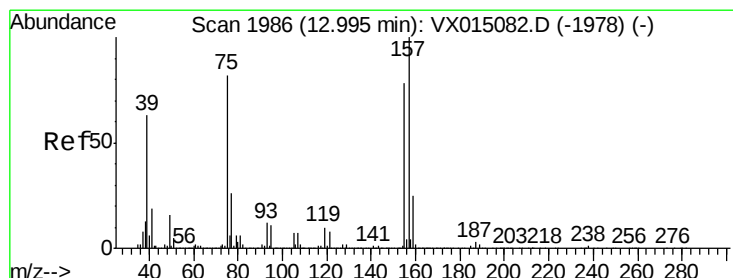
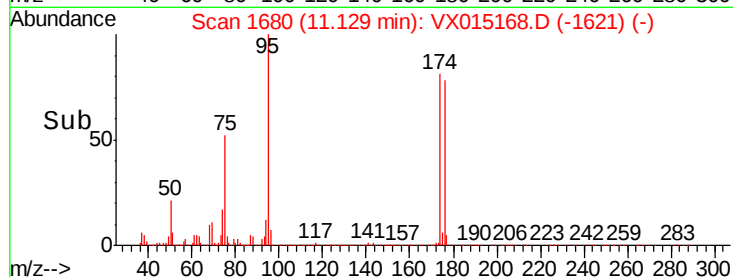
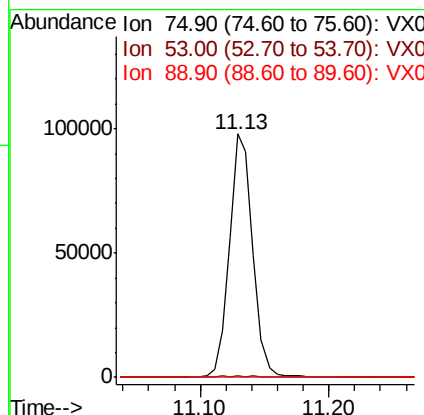
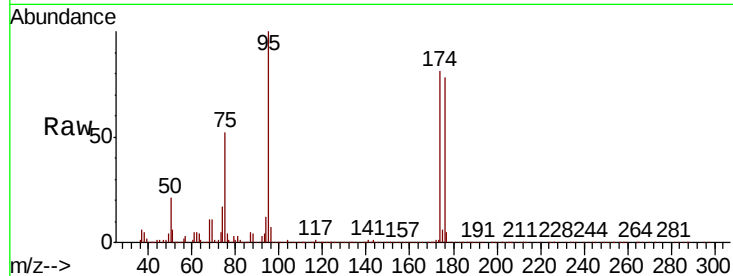




#81
trans-1,4-Dichloro-2-butene
Concen: 65.950 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

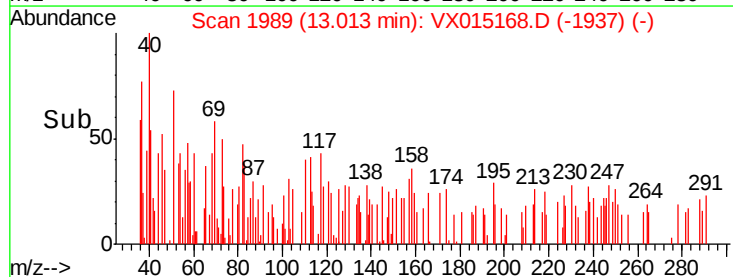
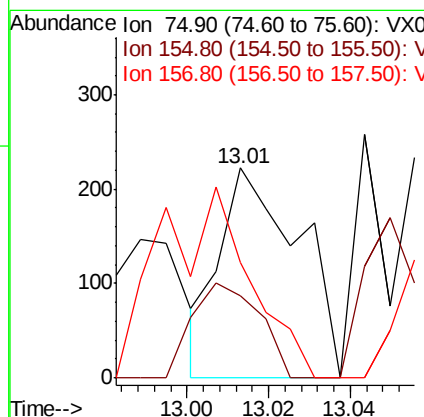
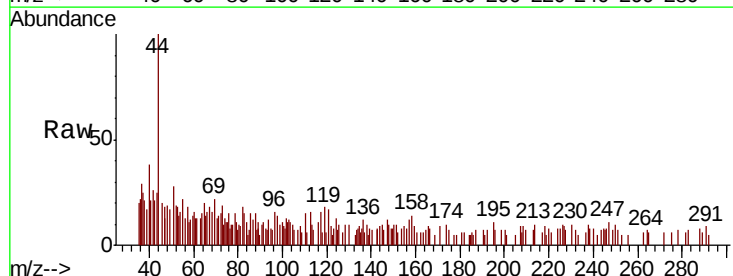
Instrument :
MSVOA_X
ClientSampled :

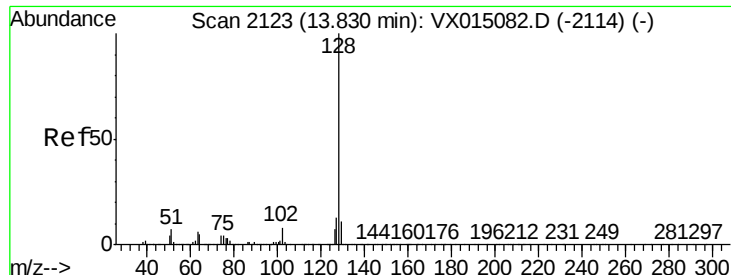
Tot Ion: 75 Resp: 123575
Ion Ratio Lower Upper
75 100
53 0.3 77.9 116.9#
89 0.1 36.2 54.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.264 ug/l
RT: 13.01 min Scan# 1989
Delta R.T. 0.02 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

Tgt Ion: 75 Resp: 300
Ion Ratio Lower Upper
75 100
155 38.0 46.6 139.7#
157 47.7 59.2 177.5#





#95
Naphthalene
Concen: 1.444 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX015168.D
Acq: 10 Mar 2020 14:11

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	63.7	10.3	15.5#
129	0.0	8.6	13.0#

