

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022620\
 Data File : VX015027.D
 Acq On : 26 Feb 2020 17:38
 Operator : JC/SP
 Sample : L1683-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SPRING-20200225

Quant Time: Feb 27 02:57:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	403991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	641963	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	628141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	320792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	231593	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	5.50	113	196532	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.71	98	783585	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.13	95	290725	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	

Target Compounds

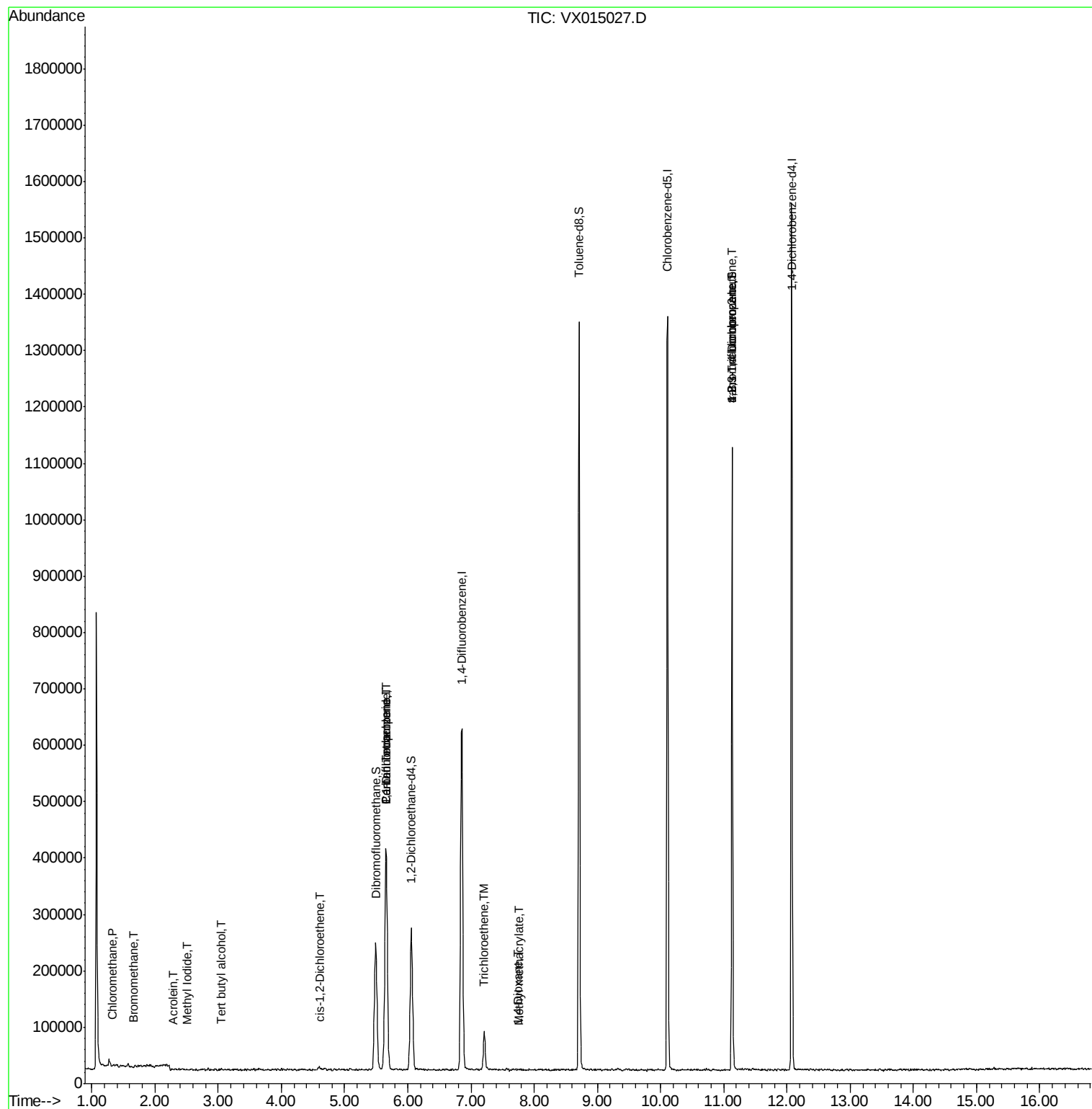
						Qvalue
3) Chloromethane	1.32	50	960	0.221	ug/l #	82
5) Bromomethane	1.66	94	868	0.287	ug/l #	45
10) Methyl Iodide	2.51	142	361	4.447	ug/l #	64
11) Tert butyl alcohol	3.04	59	354	0.440	ug/l #	1
13) Acrolein	2.28	56	285	0.465	ug/l #	15
16) Acetone	2.44	43	3428	Below Cal		89
27) cis-1,2-Dichloroethene	4.60	96	4042	0.885	ug/l	85
36) 1,1-Dichloropropene	5.65	75	28153	4.903	ug/l #	53
38) Carbon Tetrachloride	5.65	117	36395	6.503	ug/l #	17
44) Trichloroethene	7.21	130	28678	5.758	ug/l	95
48) Methyl methacrylate	7.76	41	1029	0.212	ug/l #	24
49) 1,4-Dioxane	7.75	88	128	1.408	ug/l #	32
76) 1,2,3-Trichloropropane	11.13	75	138860	23.937	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.13	75	138860	61.273	ug/l #	12

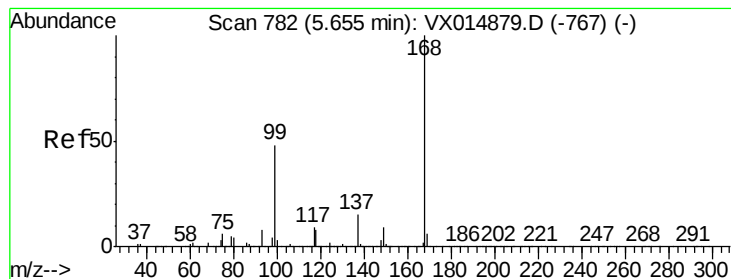
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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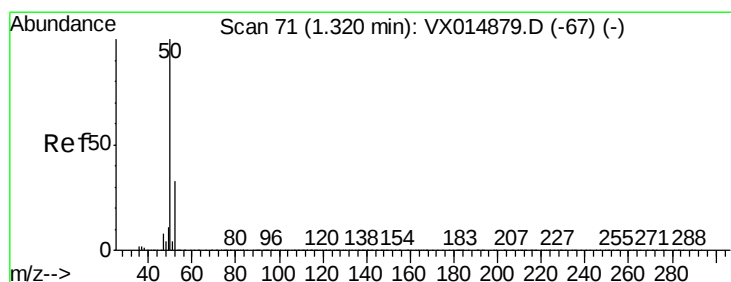
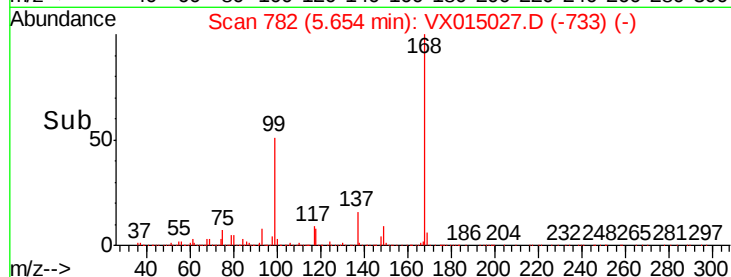
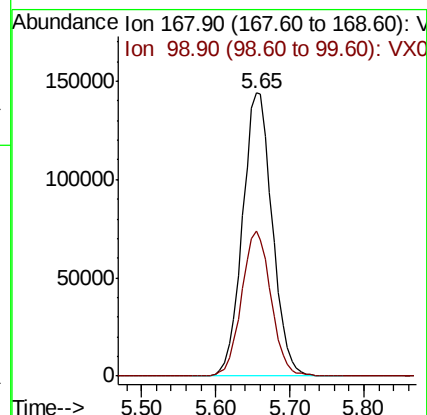
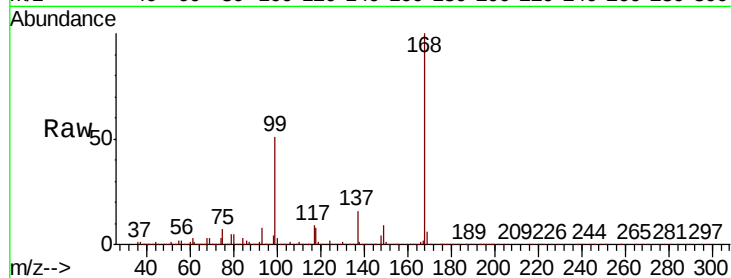


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: VX015027.D
 Acq: 26 Feb 2020 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SPRING-20200225

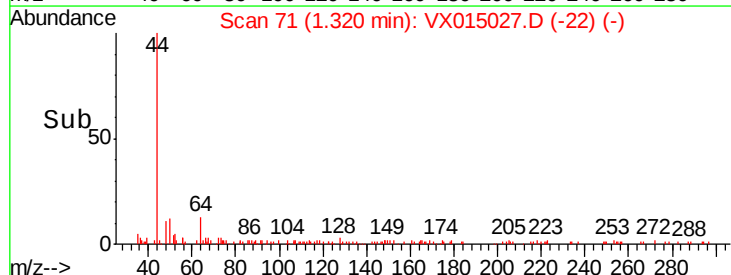
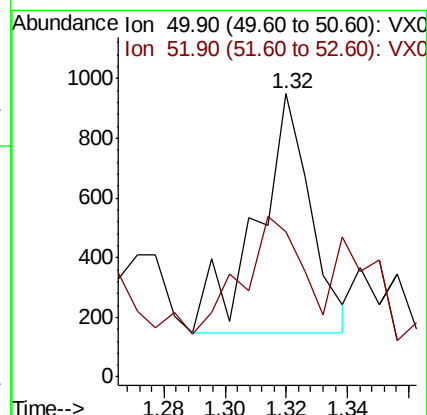
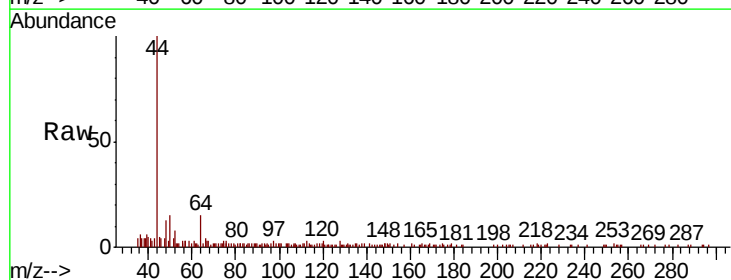
Tot Ion:168 Resp: 403991
 Ion Ratio Lower Upper
 168 100
 99 51.3 38.7 58.1

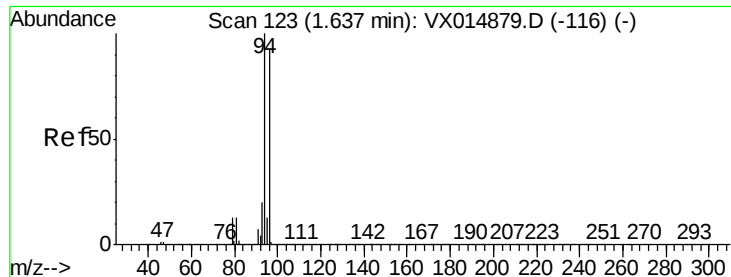


#3

Chloromethane
 Concen: 0.221 ug/l
 RT: 1.32 min Scan# 71
 Delta R.T. -0.00 min
 Lab File: VX015027.D
 Acq: 26 Feb 2020 17:38

Tgt Ion: 50 Resp: 960
 Ion Ratio Lower Upper
 50 100
 52 43.0 26.2 39.2#





#5

Bromomethane

Concen: 0.287 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

Instrument :

MSVOA_X

ClientSampleId :

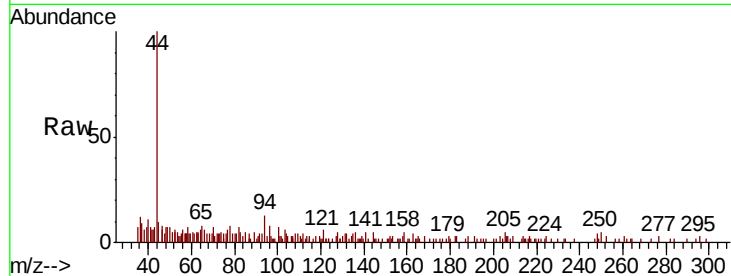
SPRING-20200225

Tot Ion: 94 Resp: 868

Ion Ratio Lower Upper

94 100

96 39.8 73.7 110.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

400

300

200

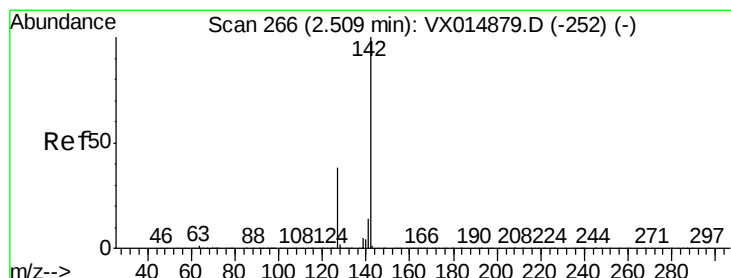
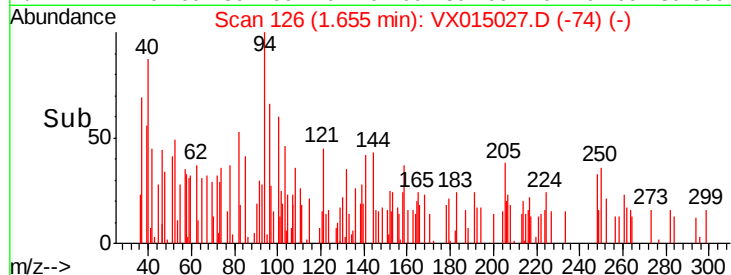
100

0

1.65

1.70

Time-->



#10

Methyl Iodide

Concen: 4.447 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

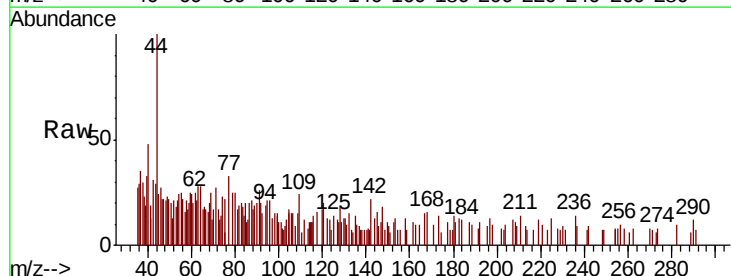
Tgt Ion: 142 Resp: 361

Ion Ratio Lower Upper

142 100

127 55.7 31.1 46.7#

141 37.7 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

150

100

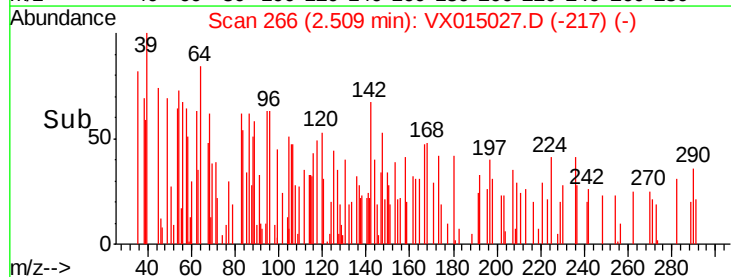
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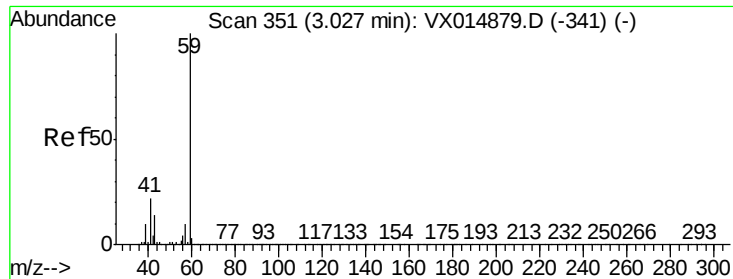
0

2.50

2.55

Time-->

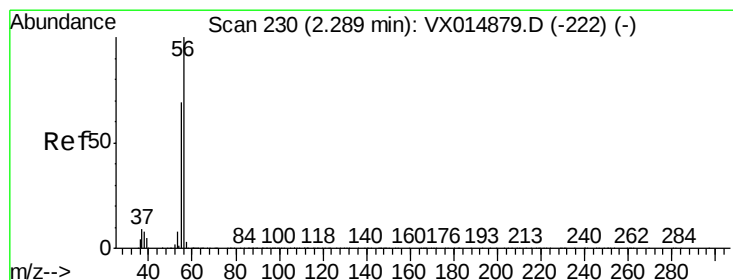
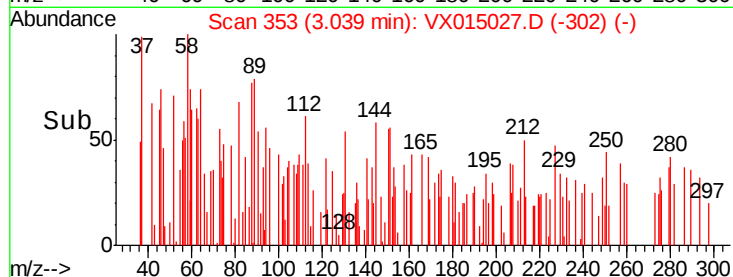
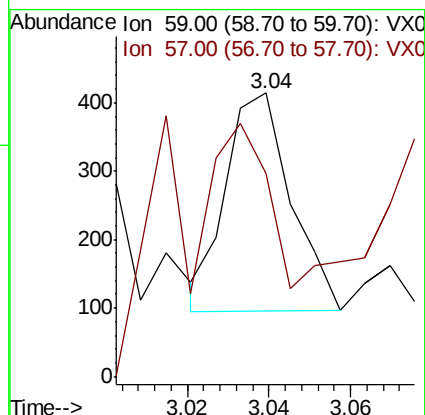
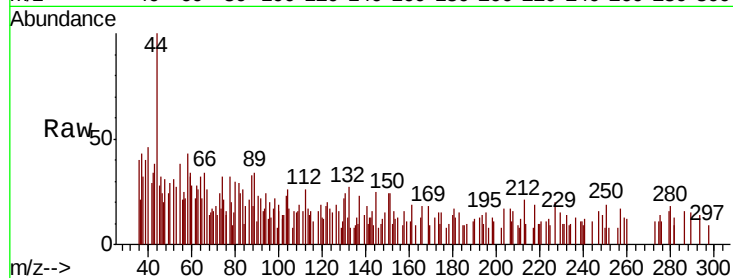




#11
Tert butyl alcohol
Concen: 0.440 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.01 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

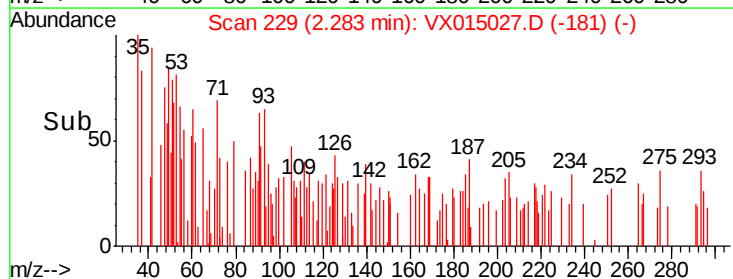
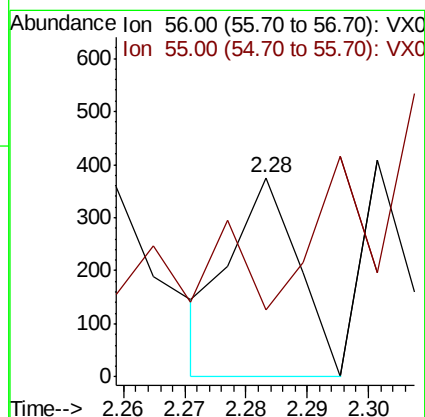
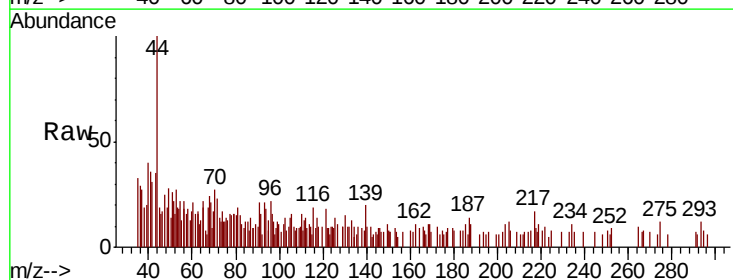
Instrument :
MSVOA_X
ClientSampleId :
SPRING-20200225

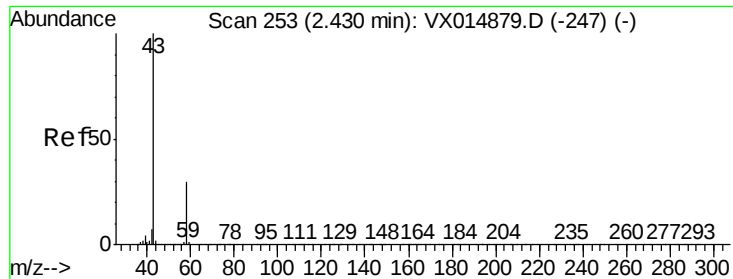
Tot Ion: 59 Resp: 354
Ion Ratio Lower Upper
59 100
57 70.1 8.2 12.4#



#13
Acrolein
Concen: 0.465 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.01 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

Tgt Ion: 56 Resp: 285
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#

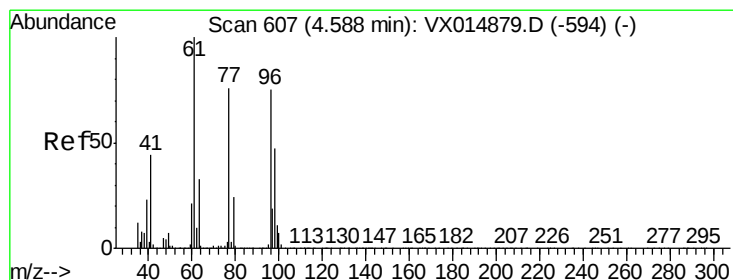
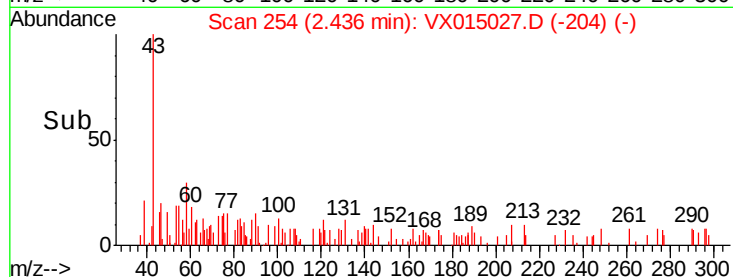
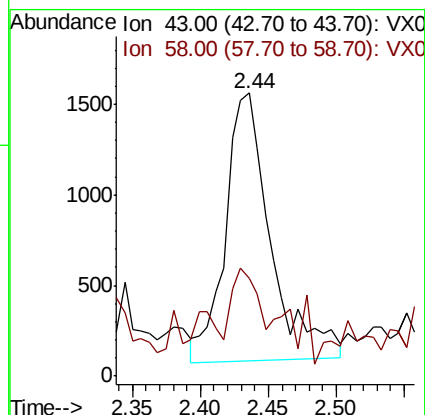
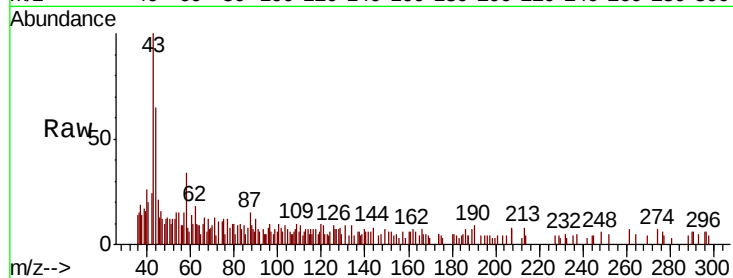




#16
Acetone
Concen: Below Cal
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

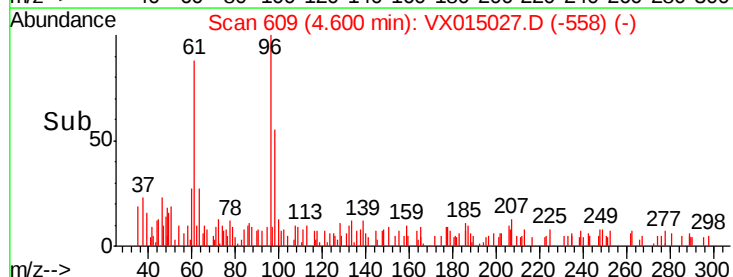
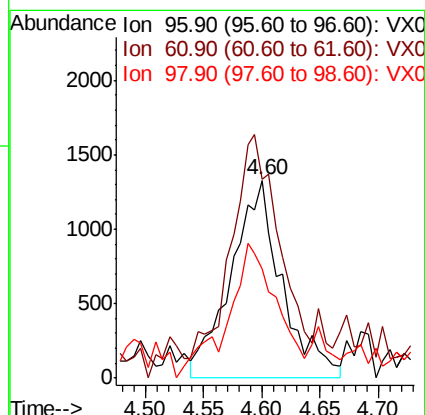
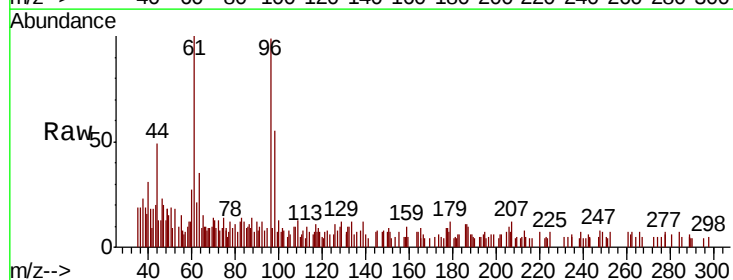
Instrument :
MSVOA_X
ClientSampleId :
SPRING-20200225

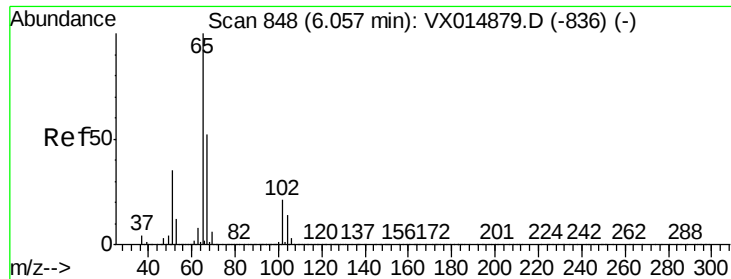
Tot Ion: 43 Resp: 3428
Ion Ratio Lower Upper
43 100
58 24.1 24.1 36.1



#27
cis-1,2-Dichloroethene
Concen: 0.885 ug/l
RT: 4.60 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

Tgt Ion: 96 Resp: 4042
Ion Ratio Lower Upper
96 100
61 116.7 0.0 286.2
98 65.8 0.0 131.0





#33

1,2-Dichloroethane-d4

Concen: 50.795 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

Instrument :

MSVOA_X

ClientSampleId :

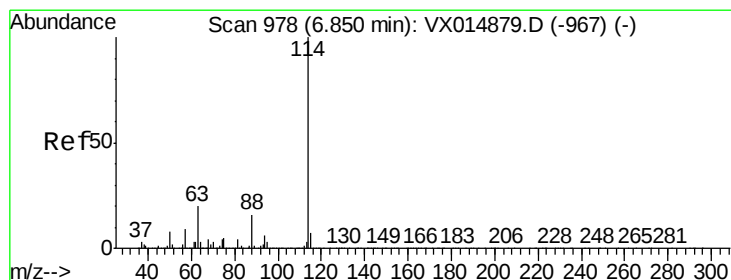
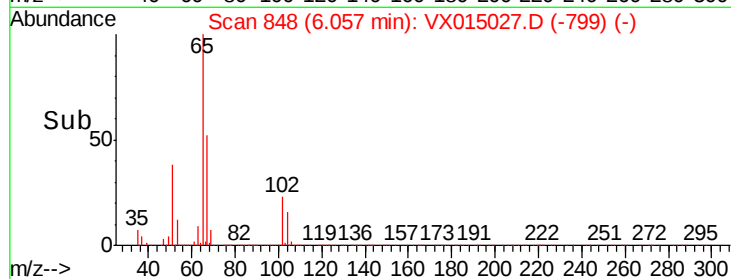
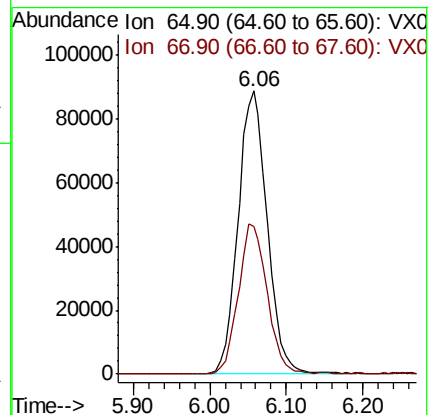
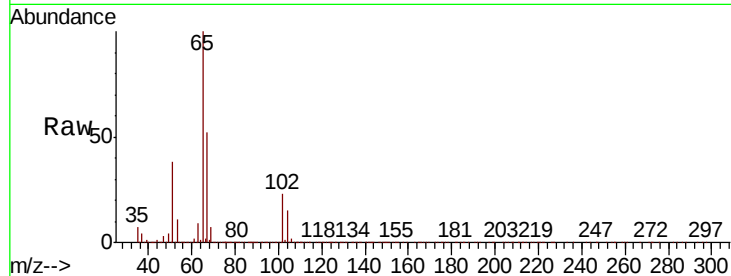
SPRING-20200225

Tot Ion: 65 Resp: 231593

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

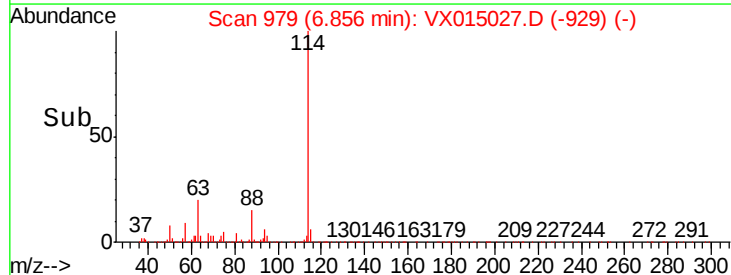
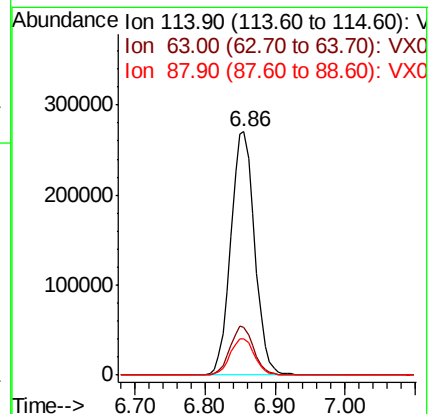
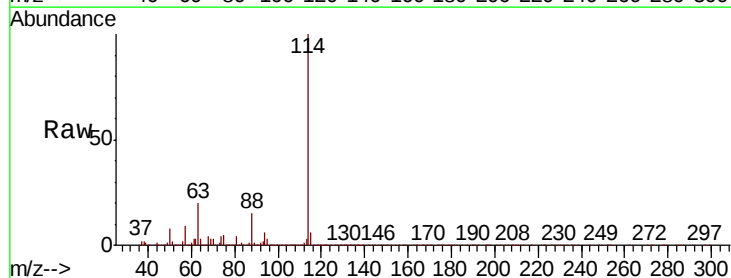
Tgt Ion: 114 Resp: 641963

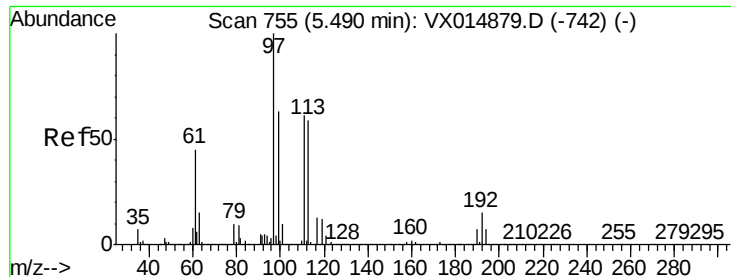
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.2

88 15.1 0.0 32.0

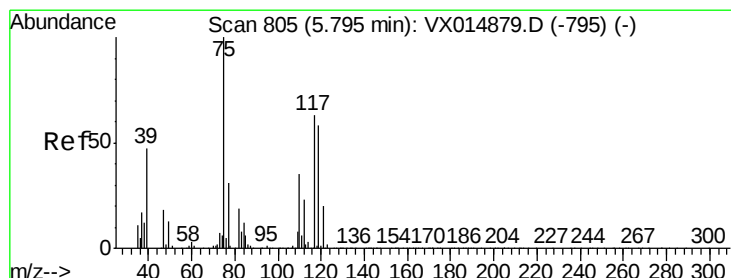
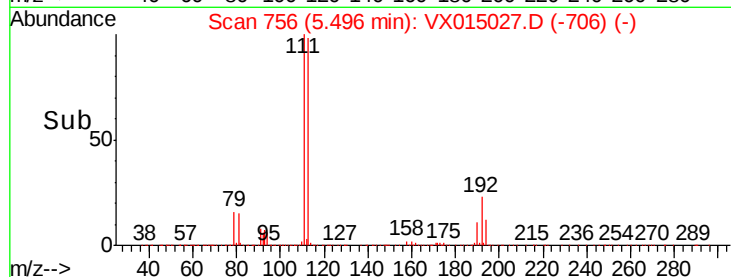
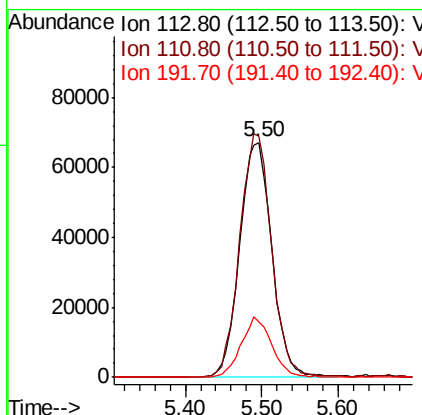
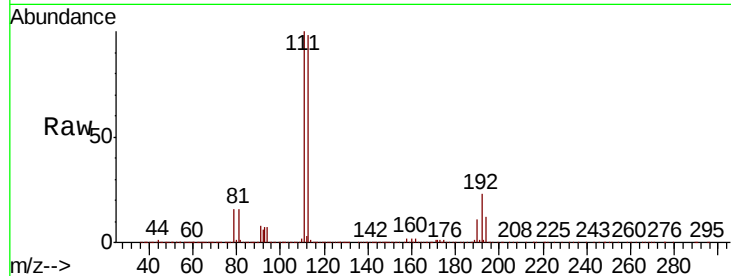




#35
 Dibromofluoromethane
 Concen: 49.797 ug/l
 RT: 5.50 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: VX015027.D
 Acq: 26 Feb 2020 17:38

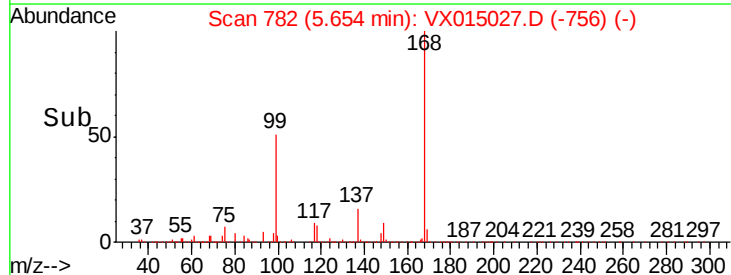
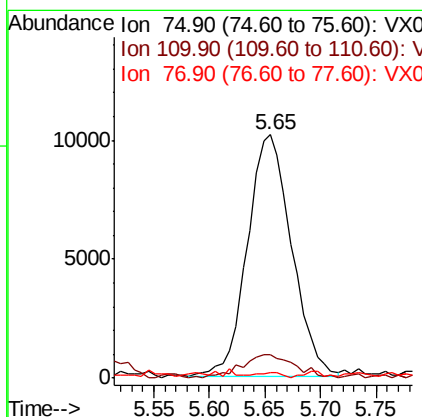
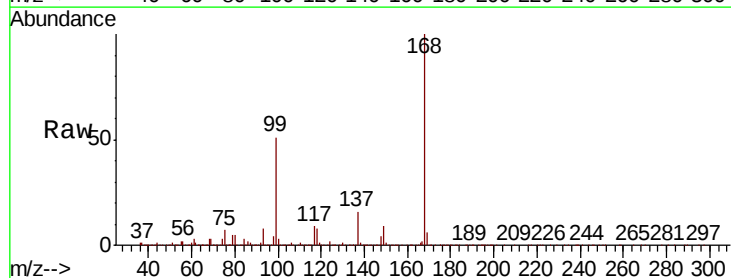
Instrument :
 MSVOA_X
 ClientSampleId :
 SPRING-20200225

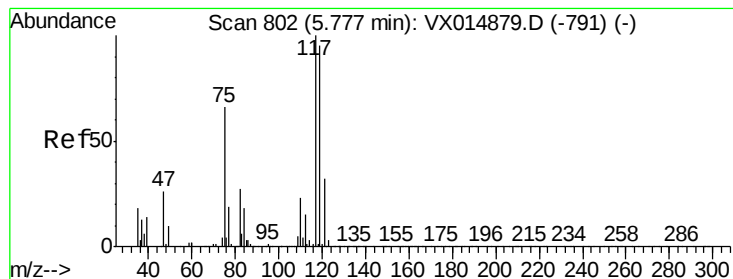
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	24.7	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.14 min
 Lab File: VX015027.D
 Acq: 26 Feb 2020 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.7	18.3	54.8#
77	1.4	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.503 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

Instrument :

MSVOA_X

ClientSampleId :

SPRING-20200225

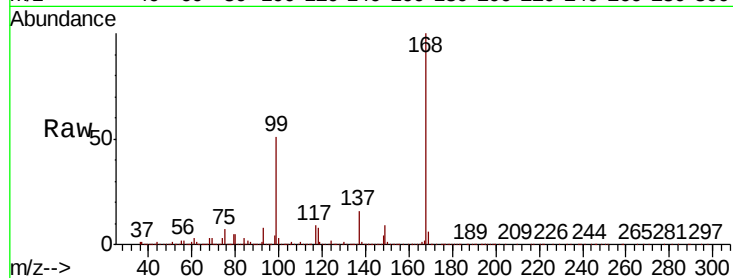
Tot Ion:117 Resp: 36395

Ion Ratio Lower Upper

117 100

119 5.8 76.0 114.0#

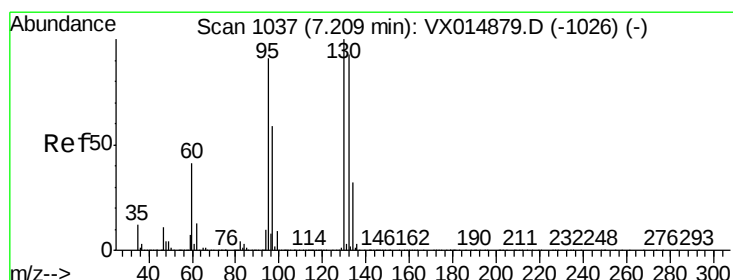
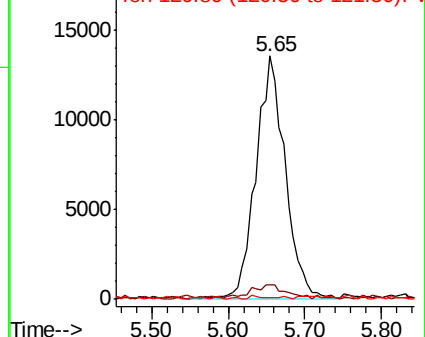
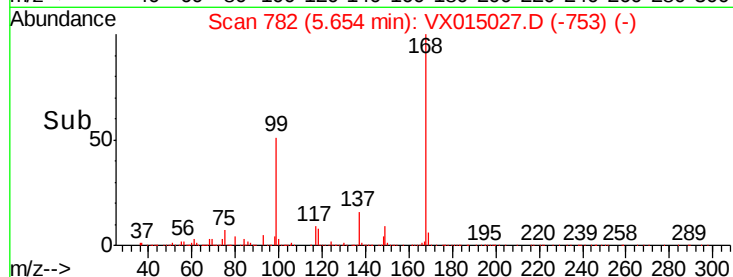
121 0.3 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 5.758 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015027.D

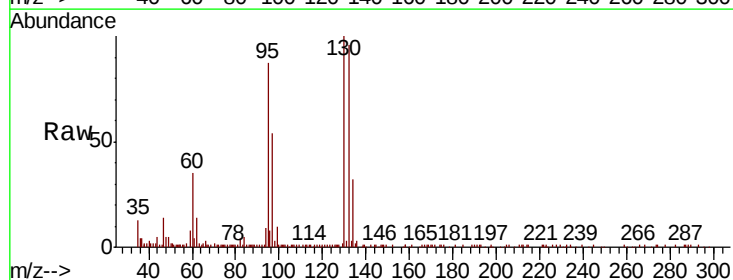
Acq: 26 Feb 2020 17:38

Tgt Ion:130 Resp: 28678

Ion Ratio Lower Upper

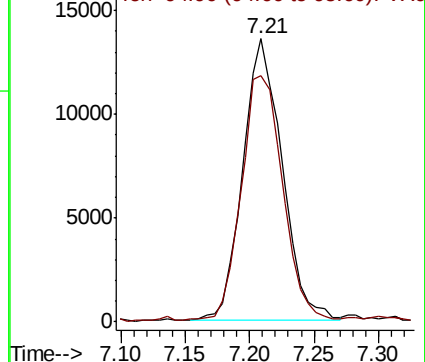
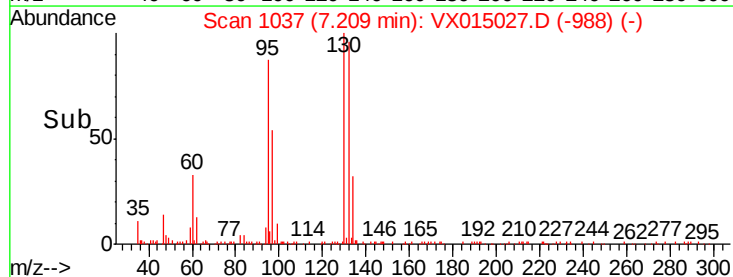
130 100

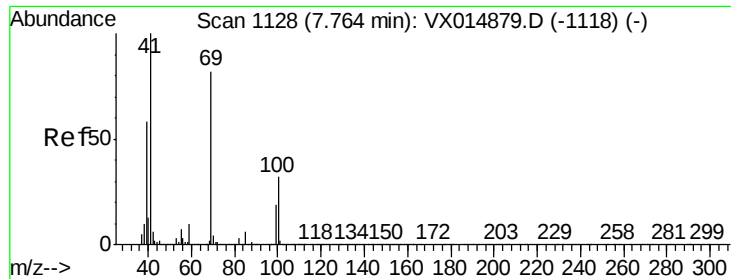
95 86.4 0.0 182.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

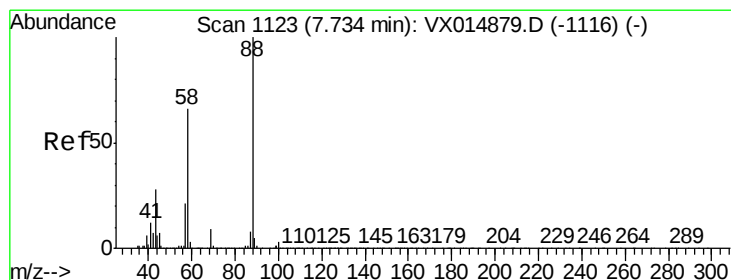
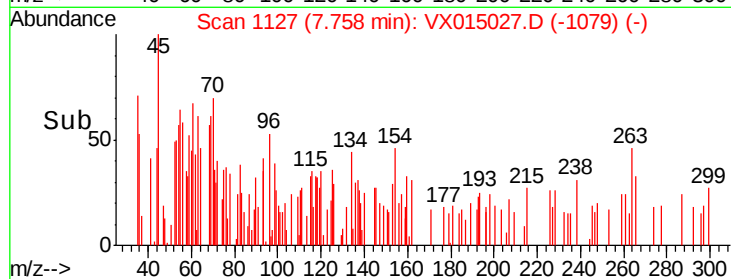
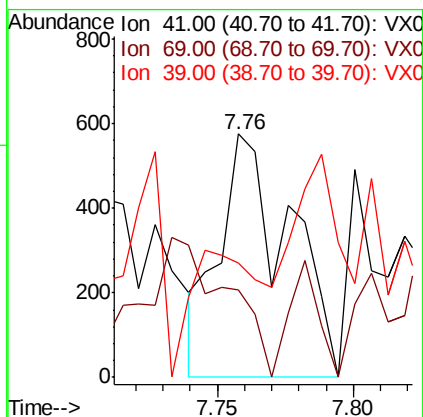
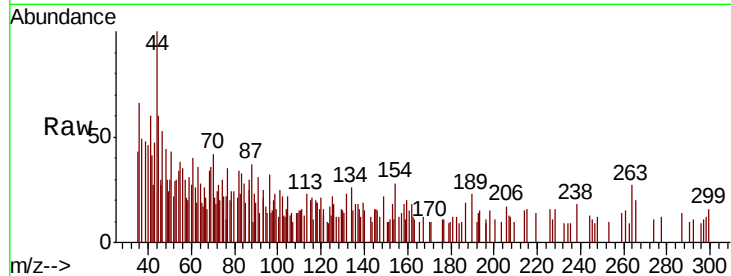




#48
Methvl methacrylate
Concen: 0.212 ug/l
RT: 7.76 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

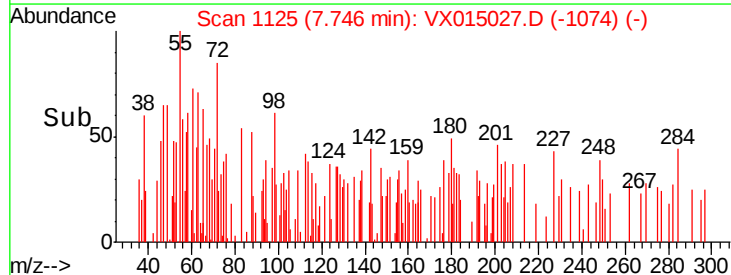
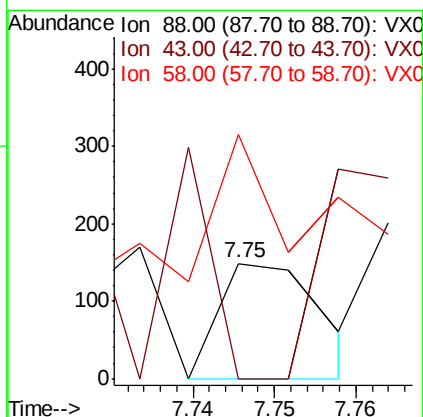
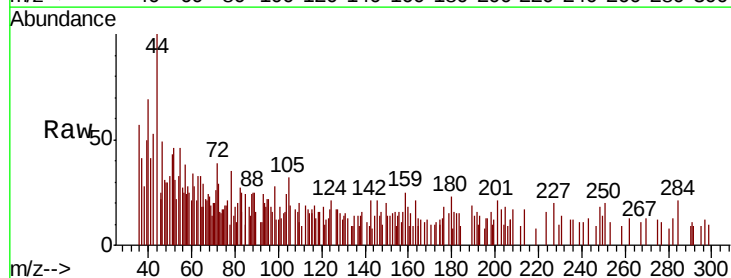
Instrument :
MSVOA_X
ClientSampleId :
SPRING-20200225

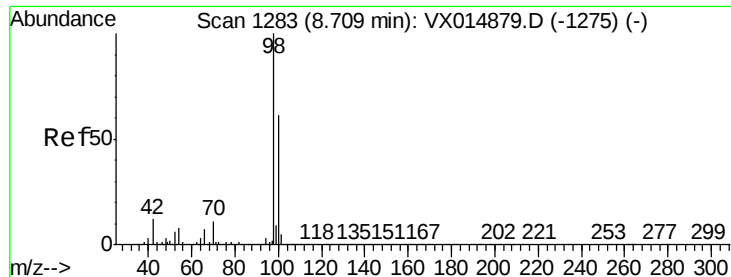
Tot Ion: 41 Resp: 1029
Ion Ratio Lower Upper
41 100
69 0.0 65.7 98.5#
39 17.6 45.8 68.8#



#49
1,4-Dioxane
Concen: 1.408 ug/l
RT: 7.75 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 0.0 27.0 40.4#
58 125.0 53.2 79.8#





#50

Toluene-d8

Concen: 52.015 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

Instrument :

MSVOA_X

ClientSampleId :

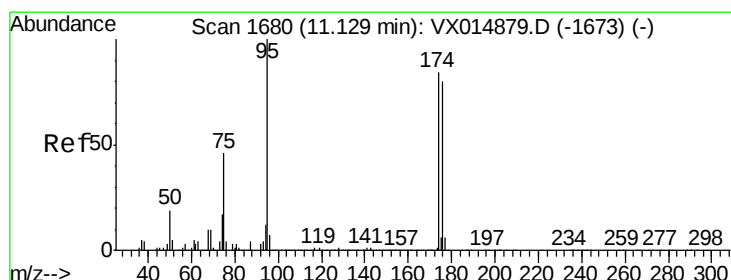
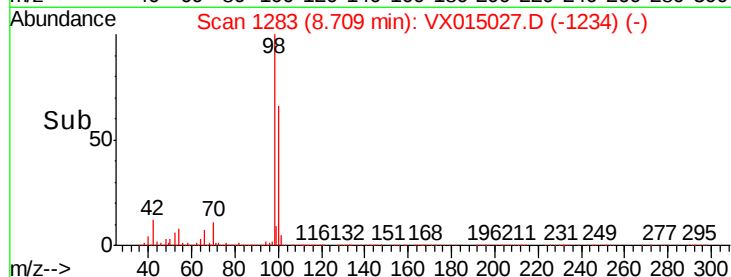
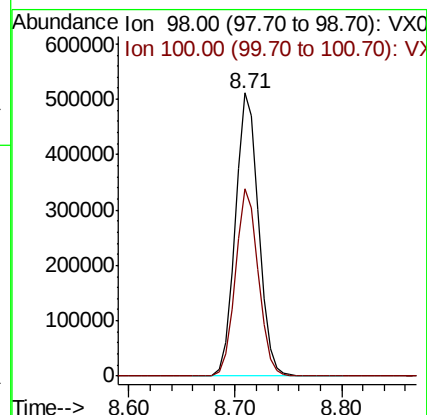
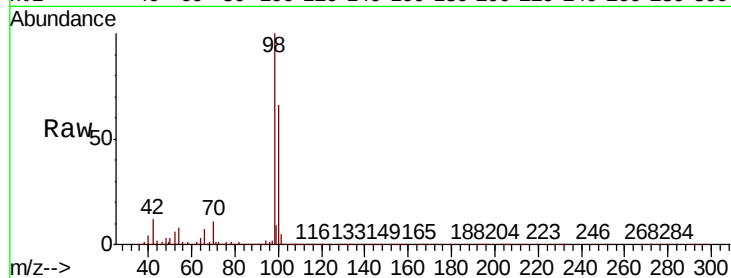
SPRING-20200225

Tot Ion: 98 Resp: 783585

Ion Ratio Lower Upper

98 100

100 65.3 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 53.573 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX015027.D

Acq: 26 Feb 2020 17:38

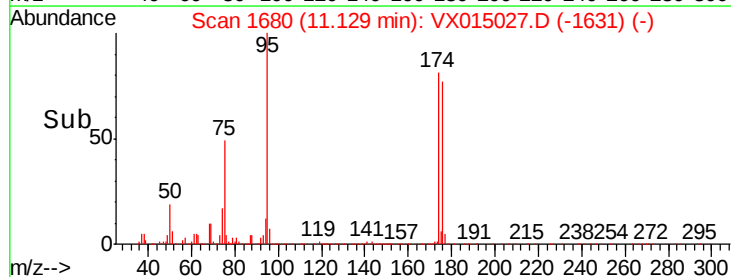
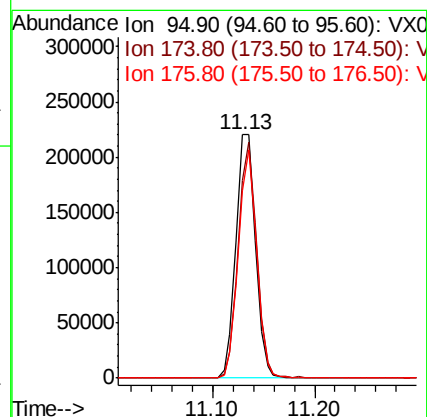
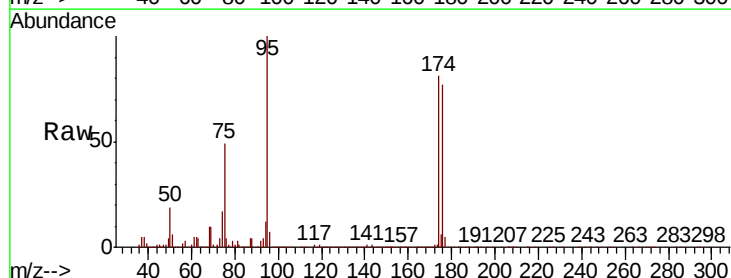
Tgt Ion: 95 Resp: 290725

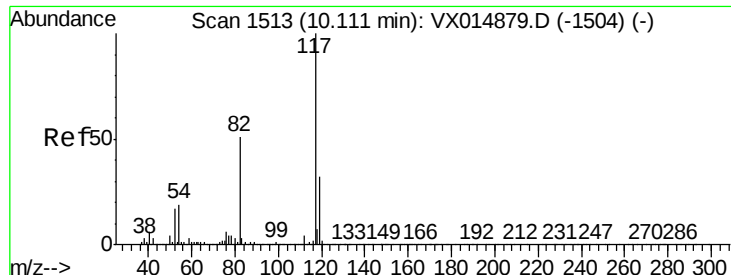
Ion Ratio Lower Upper

95 100

174 91.1 0.0 183.0

176 87.8 0.0 178.0

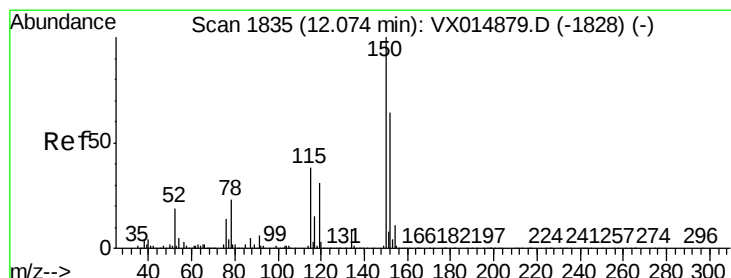
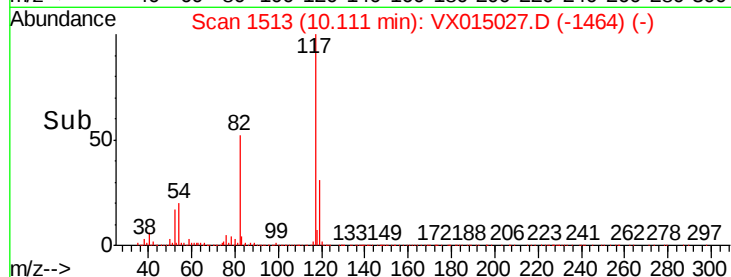
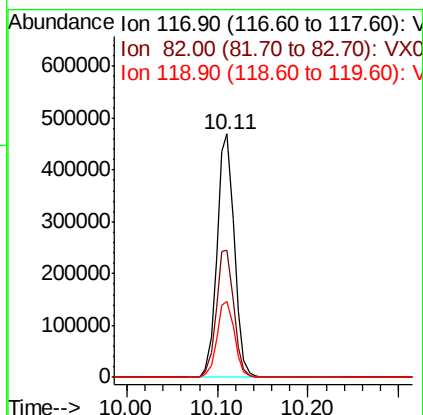
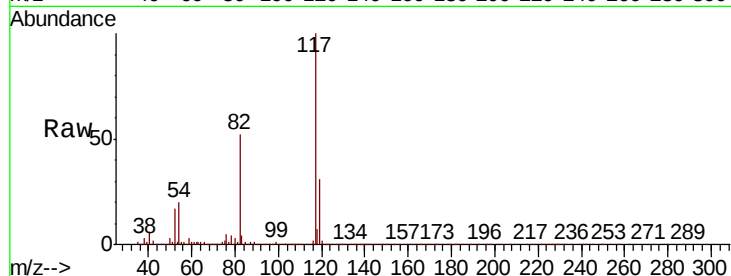




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

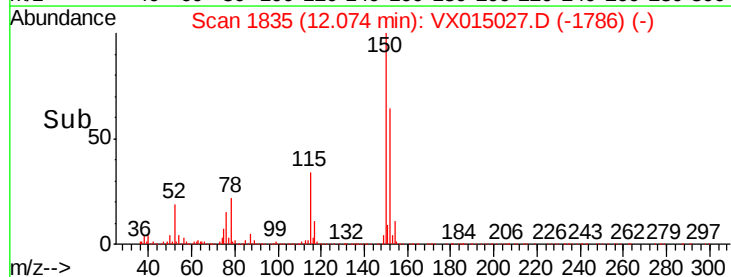
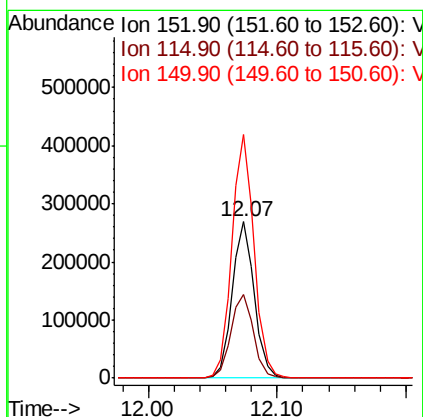
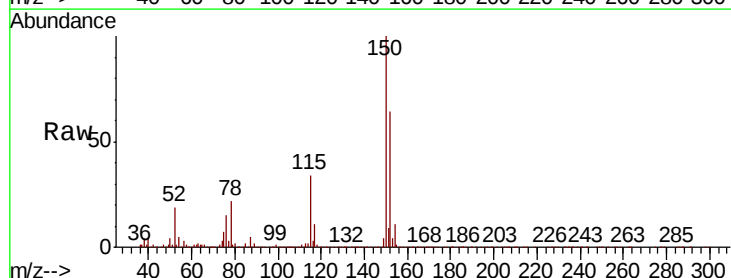
Instrument :
MSVOA_X
ClientSampleId :
SPRING-20200225

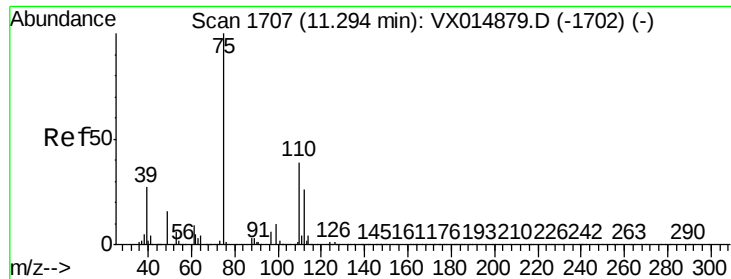
Tot Ion:117 Resp: 628141
Ion Ratio Lower Upper
117 100
82 52.2 40.5 60.7
119 31.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX015027.D
Acq: 26 Feb 2020 17:38

Tgt Ion:152 Resp: 320792
Ion Ratio Lower Upper
152 100
115 55.2 38.6 116.0
150 157.1 0.0 349.0

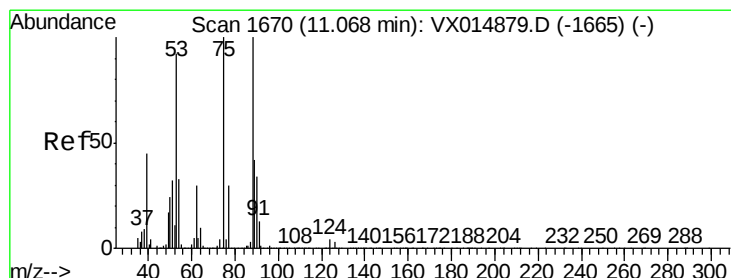
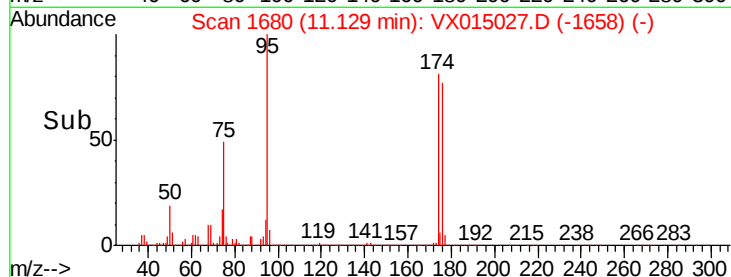
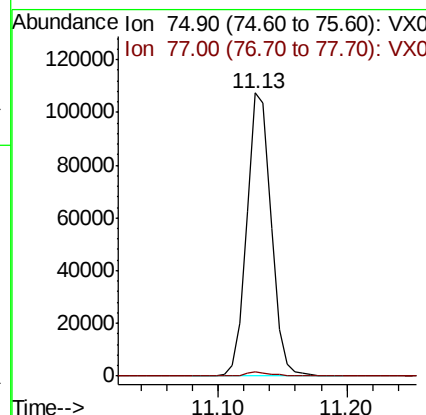
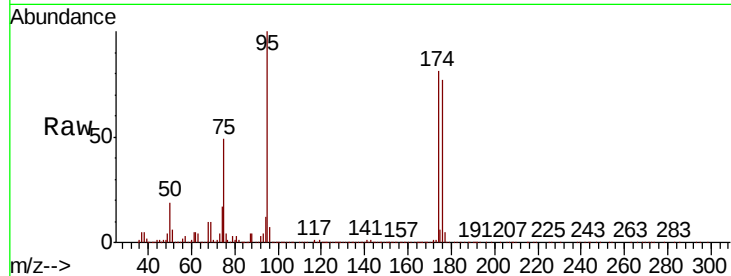




#76
 1,2,3-Trichloropropane
 Concen: 23.937 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX015027.D
 Acq: 26 Feb 2020 17:38

Instrument :
 MSVOA_X
 ClientSampleId :
 SPRING-20200225

Tot Ion: 75 Resp: 138860
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.4 55.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.273 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX015027.D
 Acq: 26 Feb 2020 17:38

Tgt Ion: 75 Resp: 138860
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.2 114.2#
 89 0.0 35.8 53.6#

