

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010722.D
 Acq On : 09 Jul 2019 02:19
 Operator : JC/SP
 Sample : K3690-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW150-190703

Quant Time: Jul 09 07:24:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	220853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	347521	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	323930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159165	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	111577	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
35) Dibromofluoromethane	5.50	113	105032	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	8.71	98	422724	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.13	95	146926	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	391	0.219	ug/l #	28
4) Vinyl Chloride	1.41	62	453	0.231	ug/l #	88
5) Bromomethane	1.65	94	544	0.570	ug/l #	72
6) Chloroethane	1.70	64	346	0.299	ug/l #	73
11) Tert butyl alcohol	3.04	59	1531	2.826	ug/l	97
13) Acrolein	2.28	56	208	0.579	ug/l #	55
14) Allyl chloride	2.84	41	26603	9.789	ug/l #	63
16) Acetone	2.45	43	1415	1.363	ug/l	96
18) Methyl Acetate	2.84	43	66184	31.998	ug/l #	48
20) Methylene Chloride	2.86	84	514	0.241	ug/l #	1
27) cis-1,2-Dichloroethene	4.60	96	526	0.221	ug/l	78
31) Cyclohexane	5.57	56	601	0.201	ug/l	87
36) 1,1-Dichloropropene	5.66	75	13961	5.055	ug/l #	48
38) Carbon Tetrachloride	5.67	117	19793	6.619	ug/l #	15
39) Methylcyclohexane	7.45	83	17511	4.824	ug/l #	33
40) Benzene	6.15	78	2560	0.298	ug/l	94
43) Isopropyl Acetate	6.35	43	79460	16.905	ug/l #	57
47) Bromodichloromethane	7.85	83	2048	0.717	ug/l #	68
48) Methyl methacrylate	7.85	41	11335	5.188	ug/l	96
49) 1,4-Dioxane	7.74	88	20	0.318	ug/l #	28
51) 4-Methyl-2-Pentanone	8.69	43	8290	2.758	ug/l #	34
55) 1,1,2-Trichloroethane	9.16	97	6380	2.730	ug/l #	18
56) Ethyl methacrylate	9.17	69	1310	0.370	ug/l #	1
59) 2-Hexanone	9.30	43	2061	0.871	ug/l	93
65) Chlorobenzene	10.13	112	32677	4.969	ug/l	100
73) Isopropylbenzene	11.02	105	32590	3.021	ug/l	99
74) N-amyl acetate	10.94	43	1520	0.373	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.28	83	3950	1.105	ug/l #	36
76) 1,2,3-Trichloropropane	11.13	75	70894	24.443	ug/l #	33
78) n-propylbenzene	11.36	91	3020	0.255	ug/l	92
79) 2-Chlorotoluene	11.28	91	1590	0.225	ug/l	83
81) trans-1,4-Dichloro-2-buten	11.13	75	70894	57.022	ug/l #	16
83) tert-Butylbenzene	11.77	119	64785	7.257	ug/l	90
84) 1,2,4-Trimethylbenzene	11.94	105	180370	20.184	ug/l #	31

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

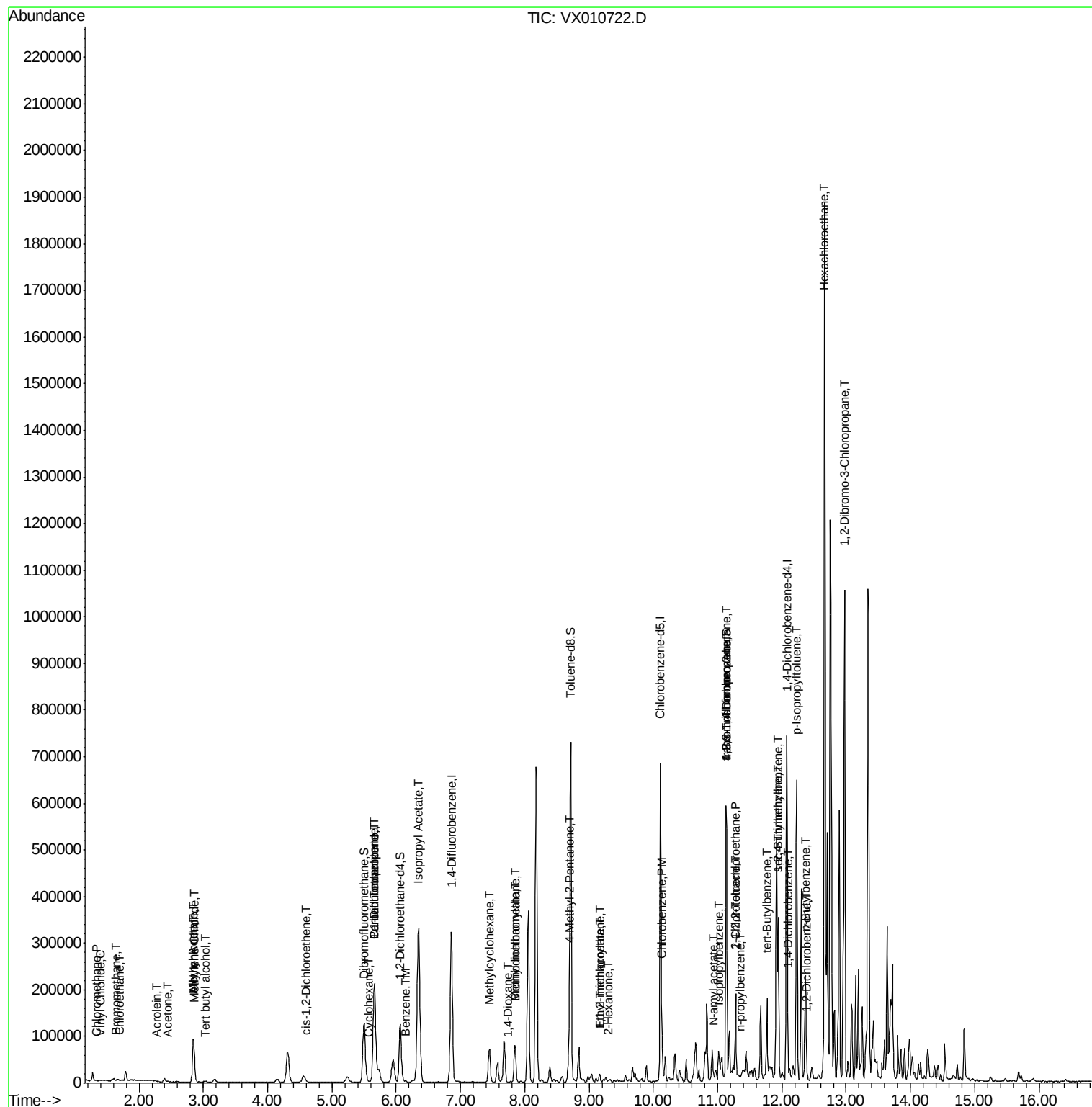
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	11.94	105	180370	17.208	ug/l #	55
86) p-Isopropyltoluene	12.23	119	280385	28.919	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	2417	0.451	ug/l #	46
89) n-Butylbenzene	12.37	91	6496	0.788	ug/l #	17
90) Hexachloroethane	12.67	117	83353	49.719	ug/l #	5
91) 1,2-Dichlorobenzene	12.39	146	1464	0.280	ug/l #	64
92) 1,2-Dibromo-3-Chloropropan	12.97	75	3809	4.944	ug/l #	1

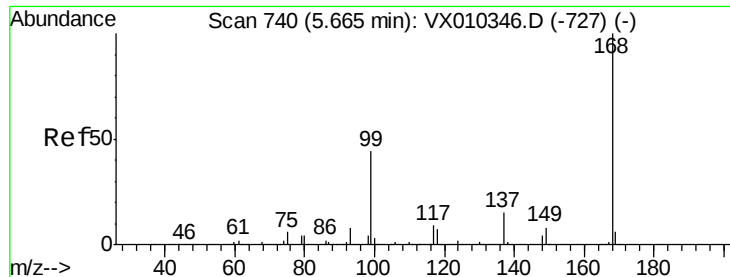
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

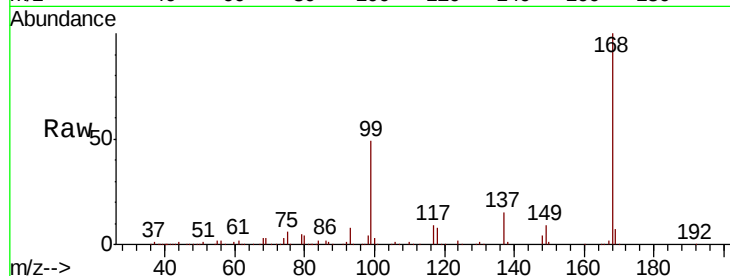
SS038RW150-190703

Tot Ion:168 Resp: 220853

Ion Ratio Lower Upper

168 100

99 49.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

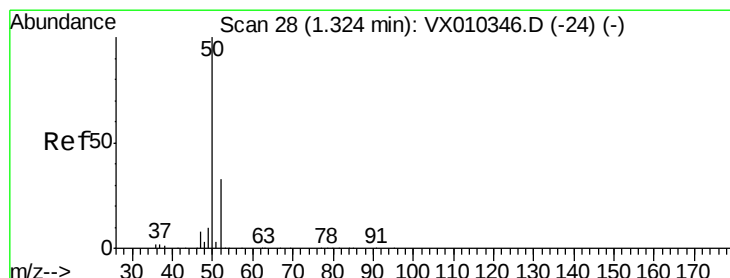
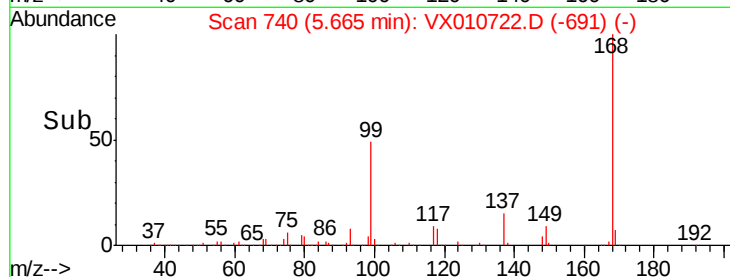
40000

20000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.219 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010722.D

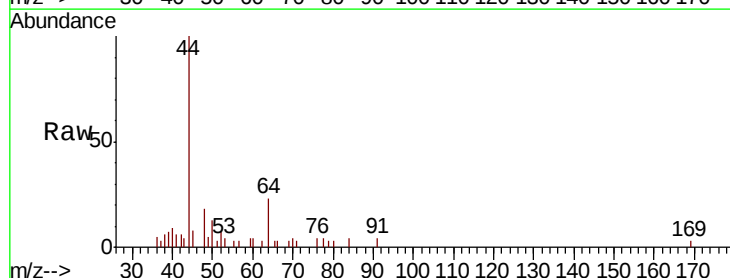
Acq: 09 Jul 2019 02:19

Tgt Ion: 50 Resp: 391

Ion Ratio Lower Upper

50 100

52 73.8 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

150

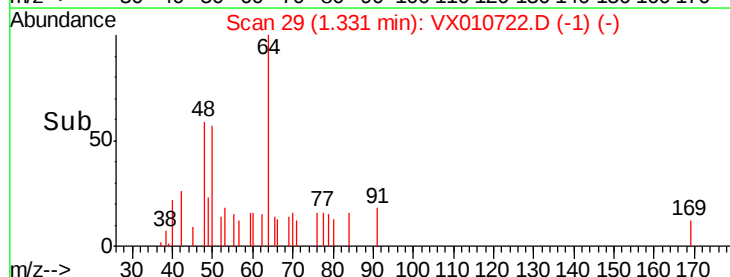
100

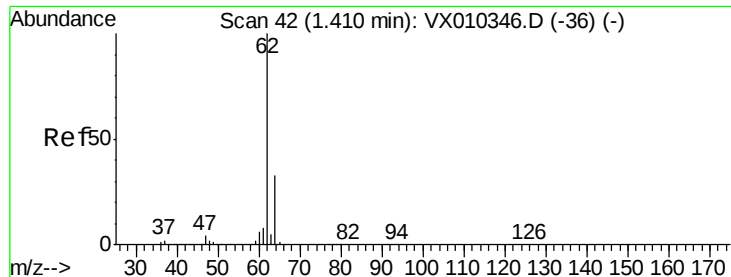
50

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 0.231 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

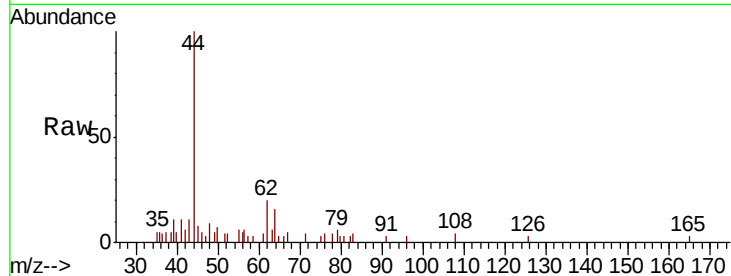
SS038RW150-190703

Tot Ion: 62 Resp: 453

Ion Ratio Lower Upper

62 100

64 39.4 26.2 39.4#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

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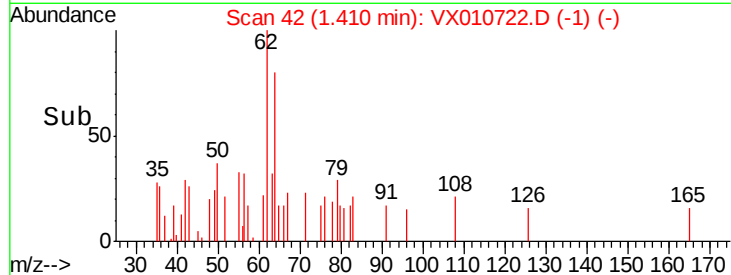
1.41

1.41

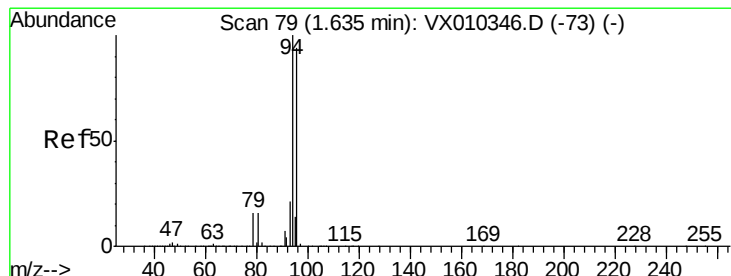
1.41

1.41

1.41



Time-->



#5

Bromomethane

Concen: 0.570 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010722.D

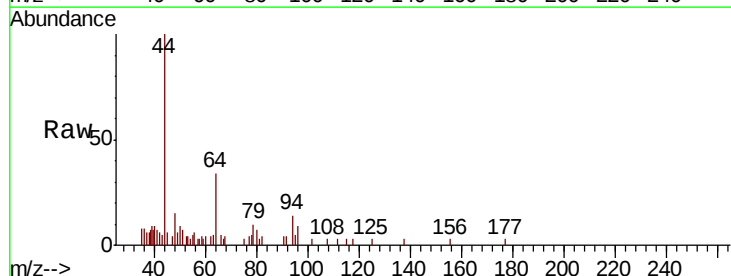
Acq: 09 Jul 2019 02:19

Tgt Ion: 94 Resp: 544

Ion Ratio Lower Upper

94 100

96 67.5 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

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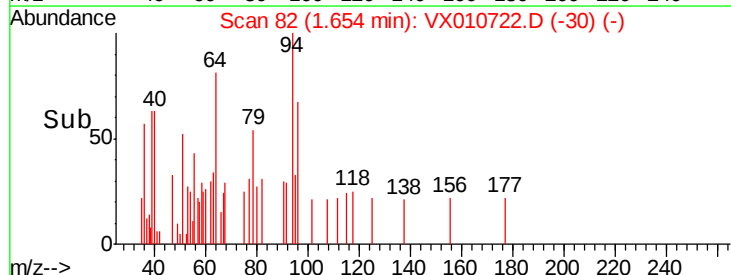
1.65

1.65

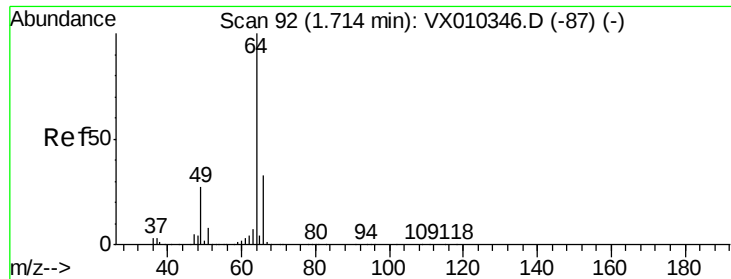
1.65

1.65

1.65



Time-->



#6

Chloroethane

Concen: 0.299 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

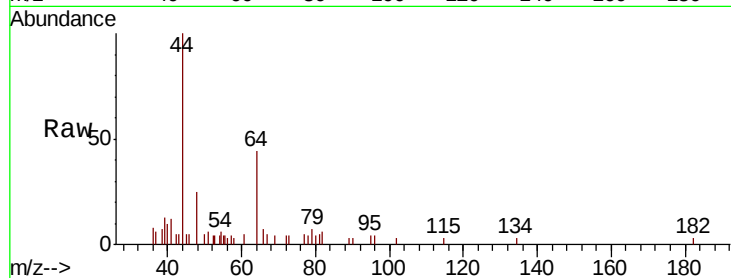
SS038RW150-190703

Tot Ion: 64 Resp: 346

Ion Ratio Lower Upper

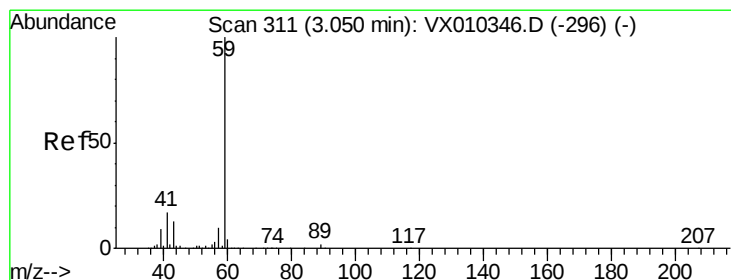
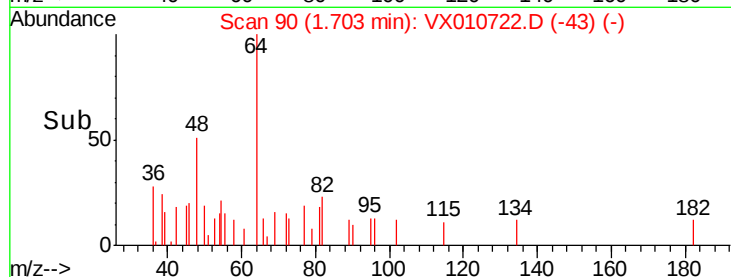
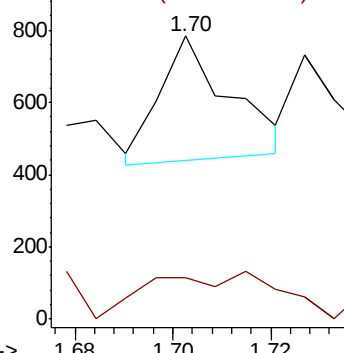
64 100

66 18.1 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 2.826 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010722.D

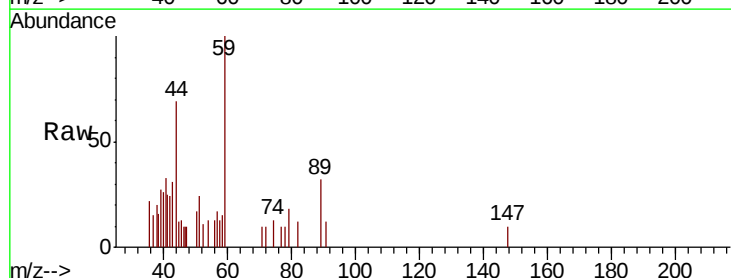
Acq: 09 Jul 2019 02:19

Tgt Ion: 59 Resp: 1531

Ion Ratio Lower Upper

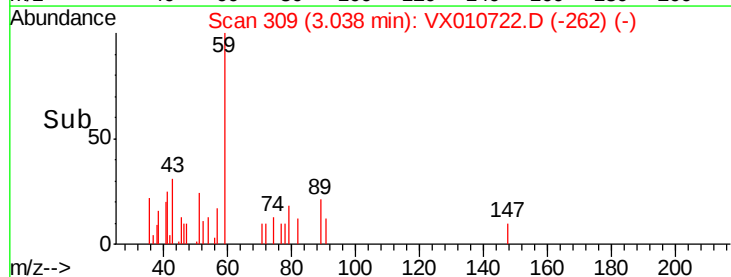
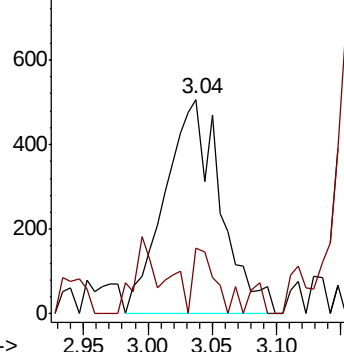
59 100

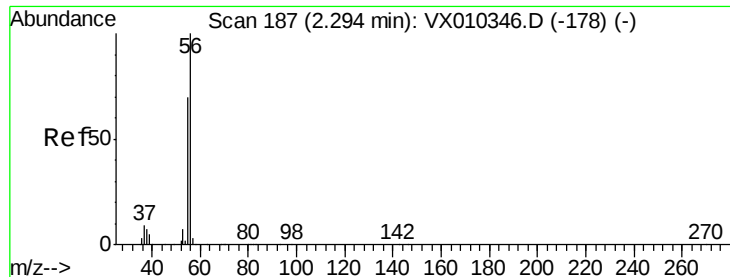
57 10.8 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.579 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

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ClientSampleId :

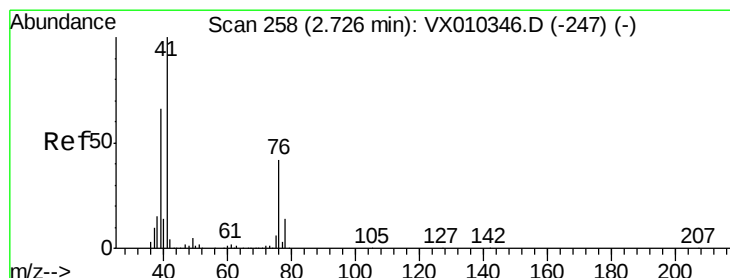
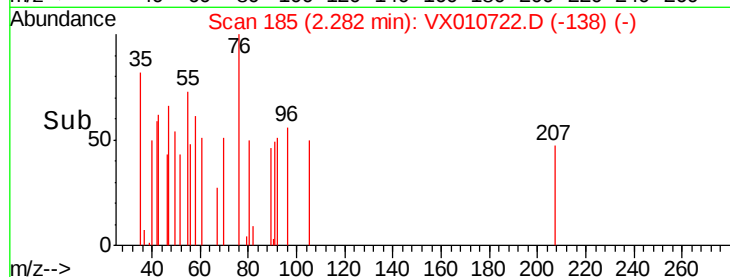
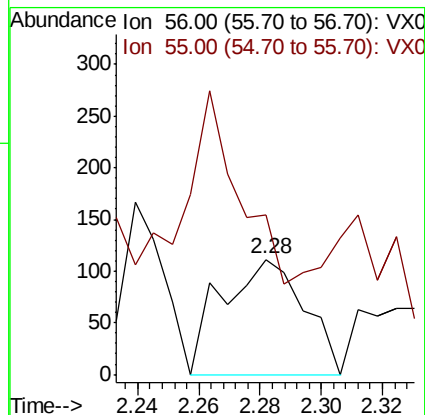
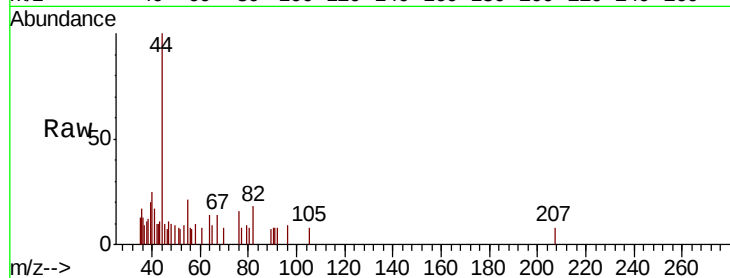
SS038RW150-190703

Tot Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 108.7 56.9 85.3#



#14

Allyl chloride

Concen: 9.789 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.12 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

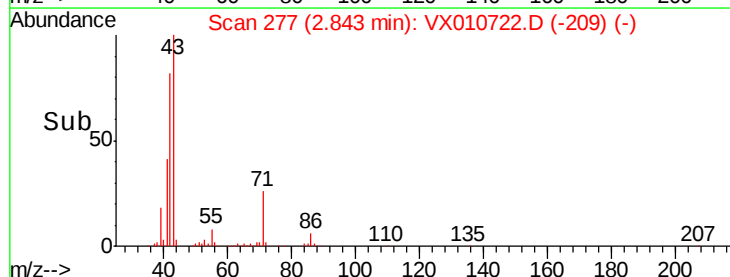
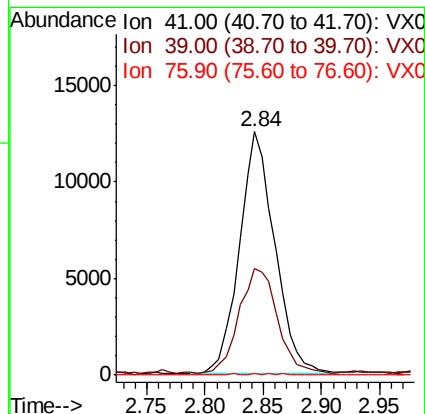
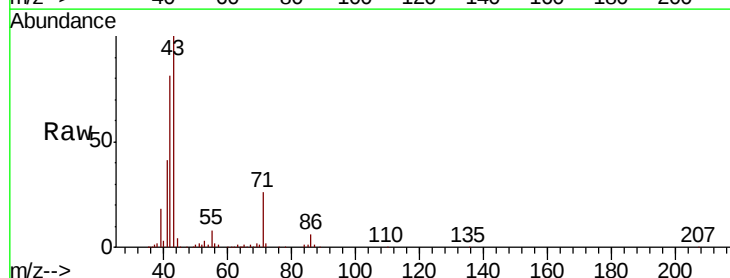
Tgt Ion: 41 Resp: 26603

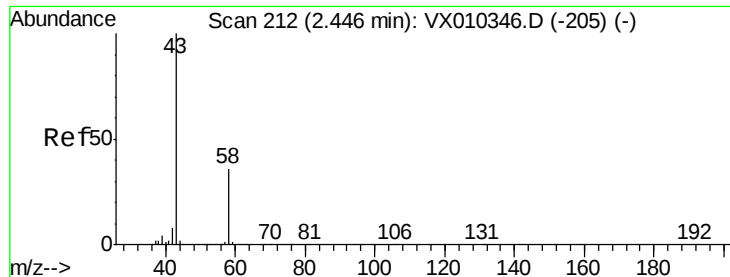
Ion Ratio Lower Upper

41 100

39 46.7 50.3 75.5#

76 0.1 31.3 46.9#





#16

Acetone

Concen: 1.363 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

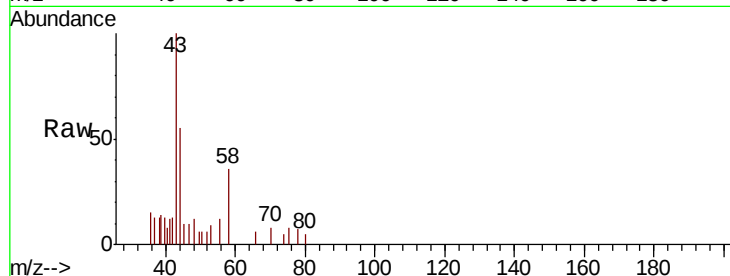
SS038RW150-190703

Tot Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 33.6 28.9 43.3



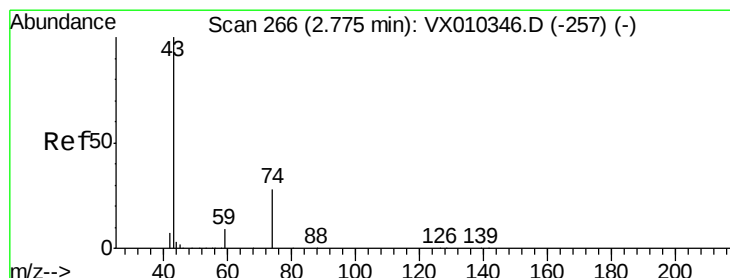
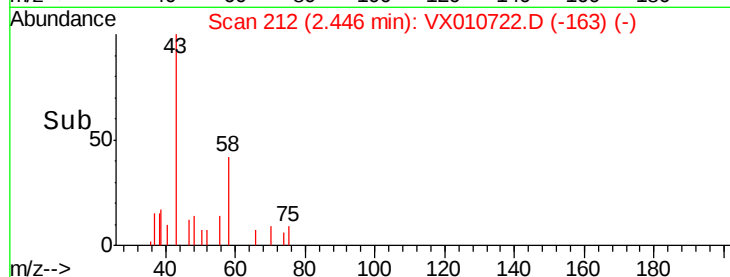
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

500

Time--> 2.40 2.45



#18

Methyl Acetate

Concen: 31.998 ug/l

RT: 2.84 min Scan# 277

Delta R.T. 0.07 min

Lab File: VX010722.D

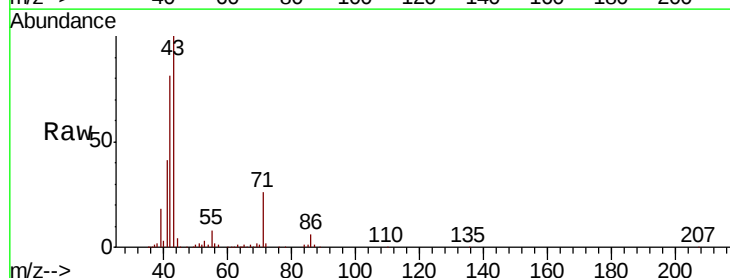
Acq: 09 Jul 2019 02:19

Tgt Ion: 43 Resp: 66184

Ion Ratio Lower Upper

43 100

74 0.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

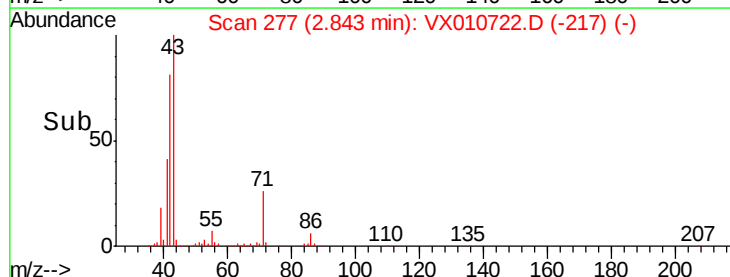
Ion 74.00 (73.70 to 74.70): VX0

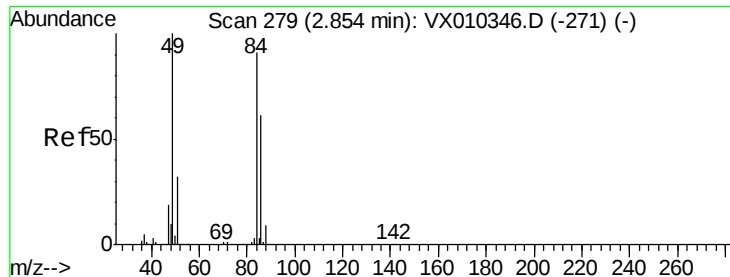
30000

20000

10000

Time--> 2.80 2.90

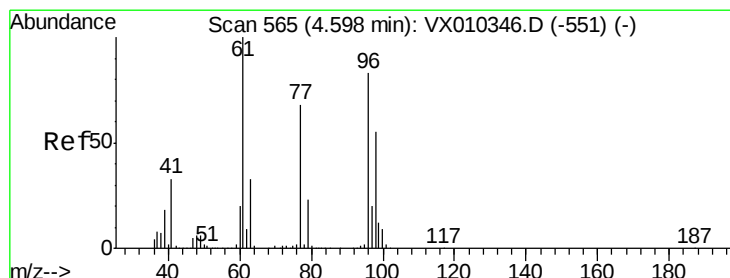
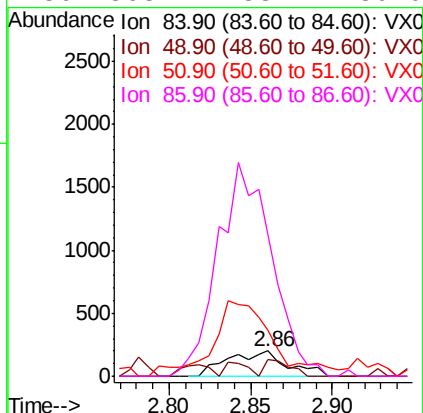
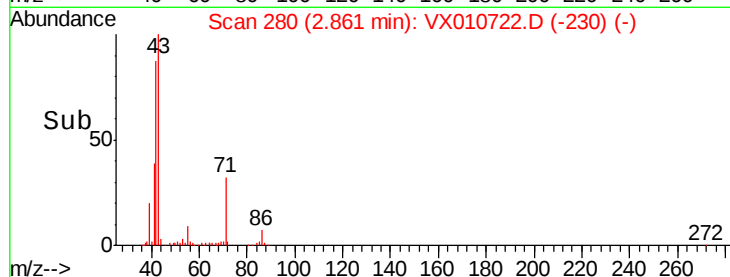
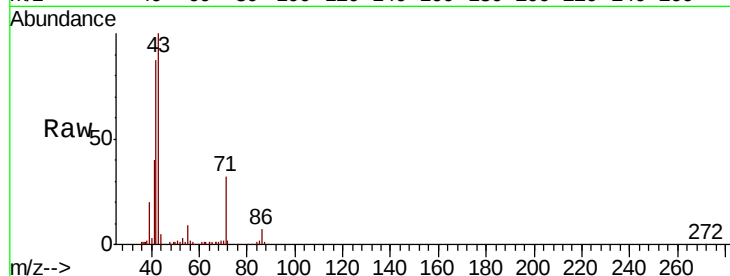




#20
Methvlene Chloride
Concen: 0.241 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

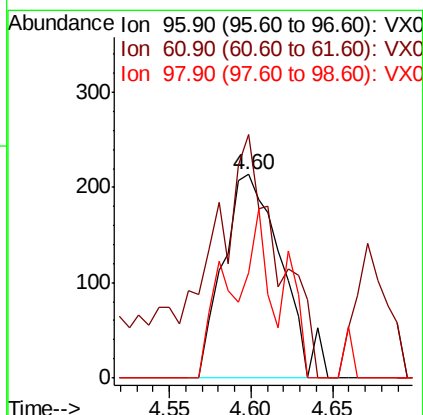
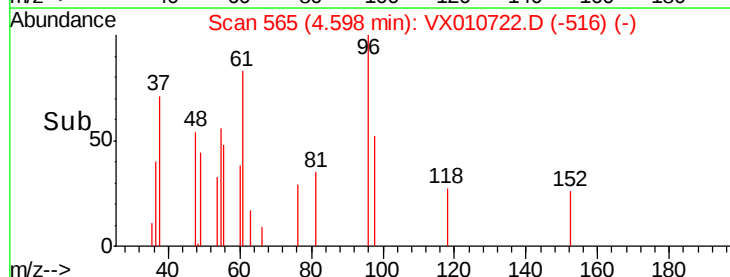
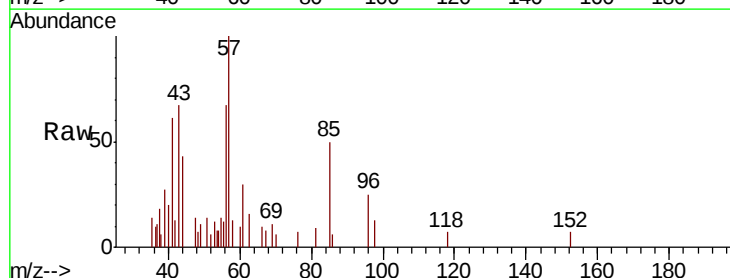
Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

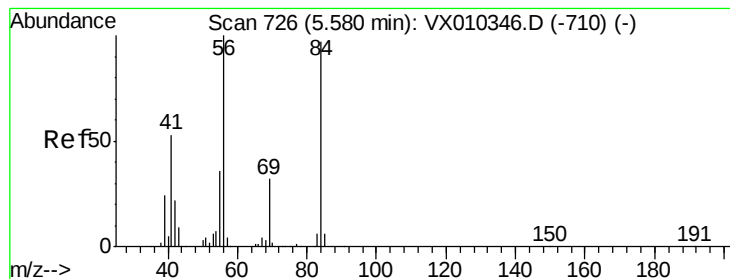
Tot Ion: 84 Resp: 514
Ion Ratio Lower Upper
84 100
49 21.9 87.5 131.3#
51 158.2 27.7 41.5#
86 563.7 53.4 80.0#



#27
cis-1,2-Dichloroethene
Concen: 0.221 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

Tgt Ion: 96 Resp: 526
Ion Ratio Lower Upper
96 100
61 129.1 0.0 251.8
98 18.4 0.0 129.4





#31

Cyclohexane

Concen: 0.201 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

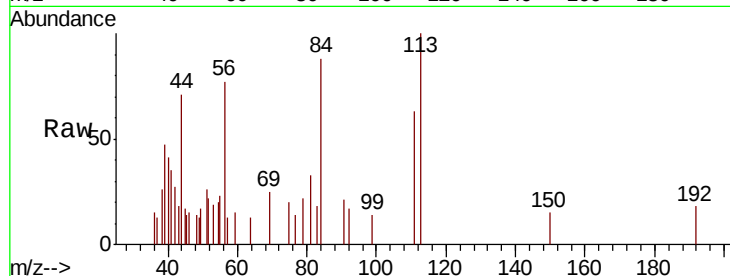
Tot Ion: 56 Resp: 601

Ion Ratio Lower Upper

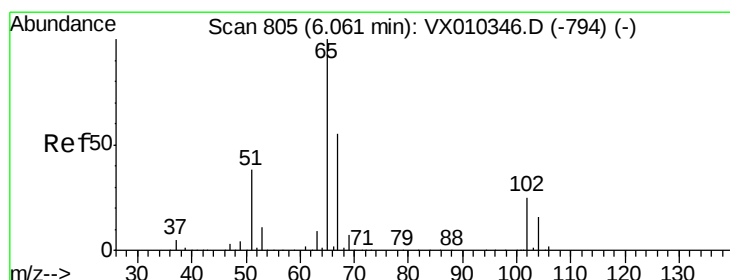
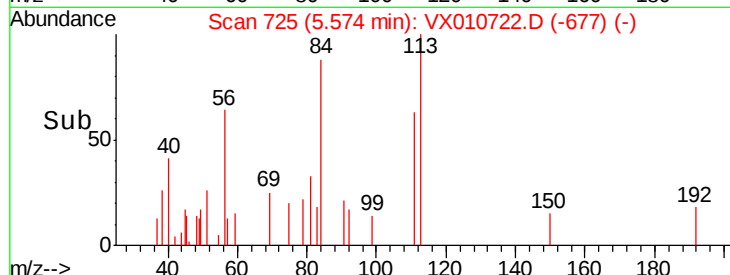
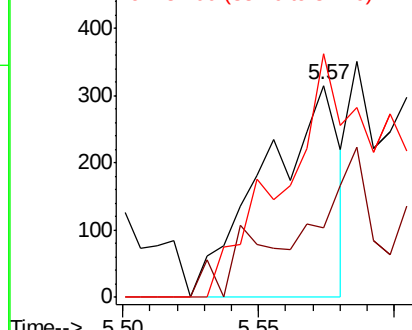
56 100

69 32.7 25.9 38.9

84 114.9 78.0 117.0



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 53.883 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010722.D

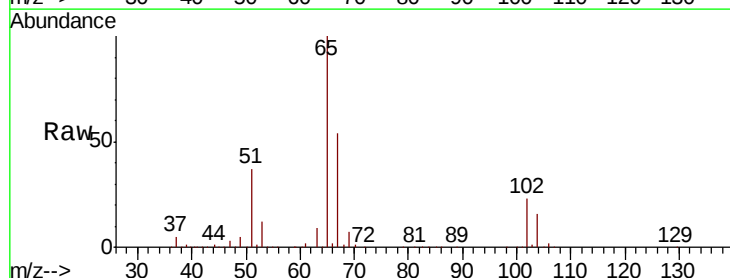
Acq: 09 Jul 2019 02:19

Tgt Ion: 65 Resp: 111577

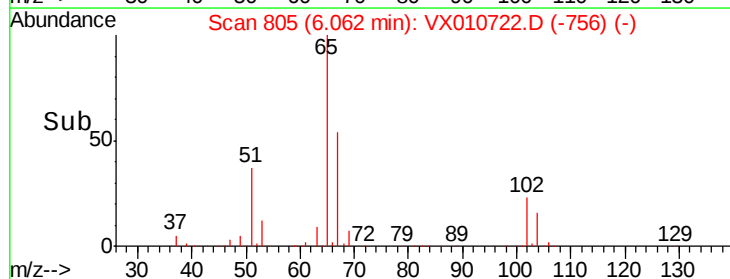
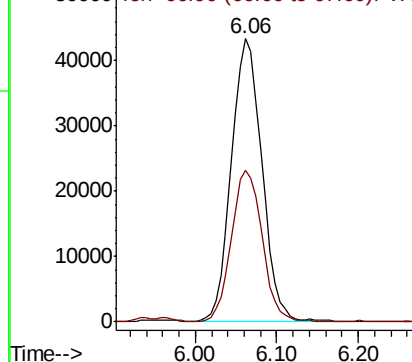
Ion Ratio Lower Upper

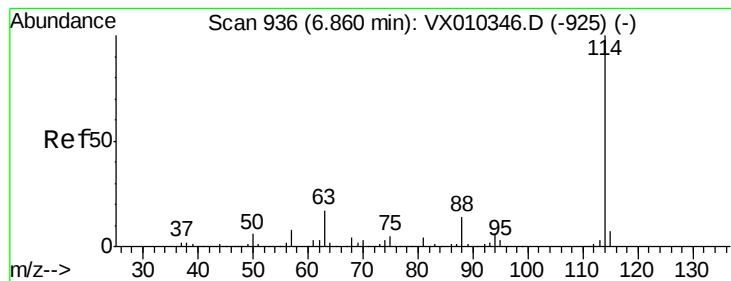
65 100

67 53.5 0.0 110.2



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# 936

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

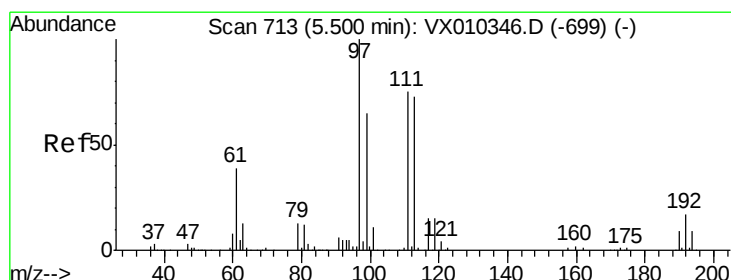
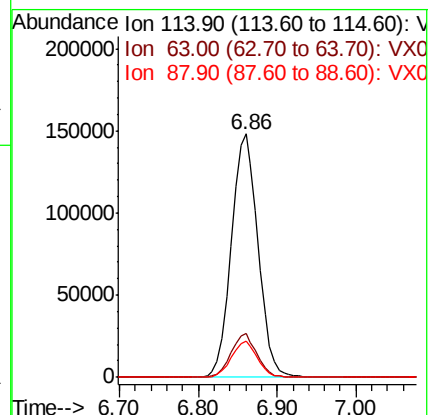
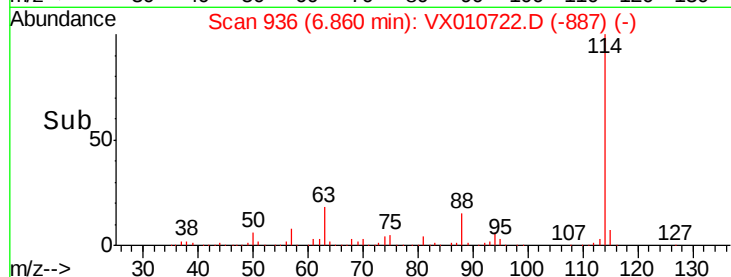
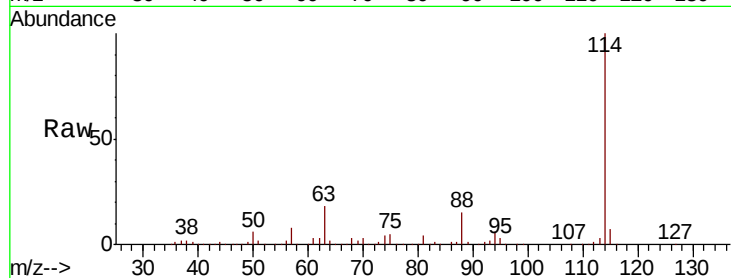
Tot Ion:114 Resp: 347521

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.8

88 14.6 0.0 27.6



#35

Dibromofluoromethane

Concen: 49.398 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

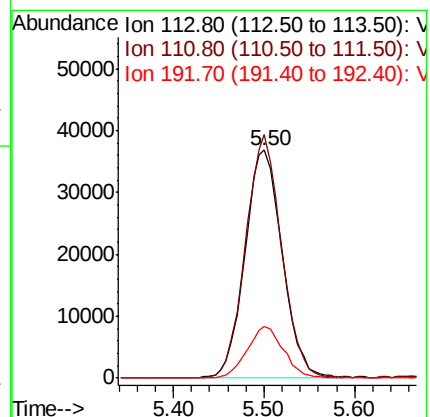
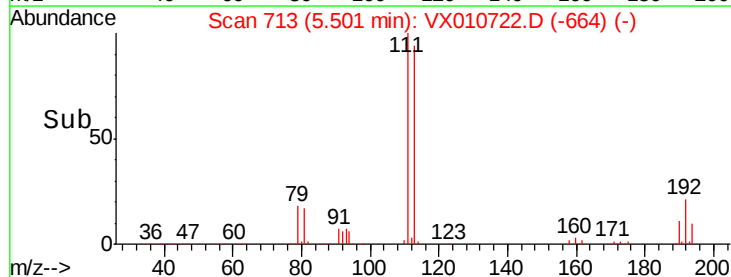
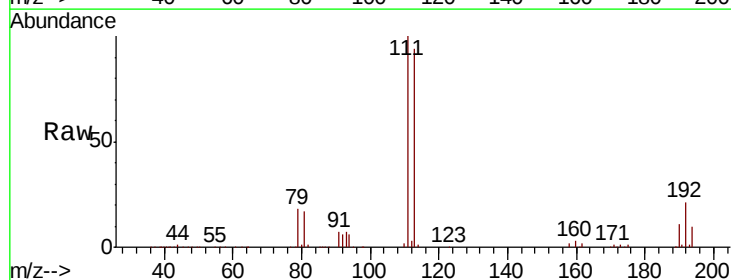
Tgt Ion:113 Resp: 105032

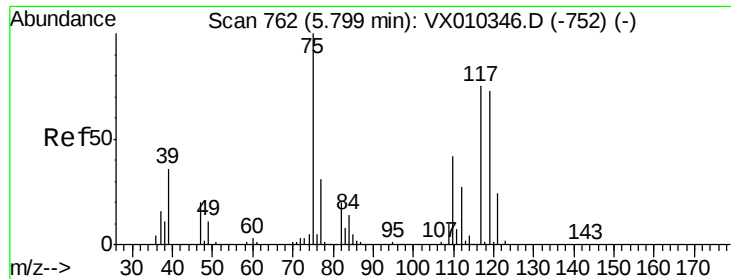
Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 22.1 18.6 27.8





#36

1,1-Dichloropropene

Concen: 5.055 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

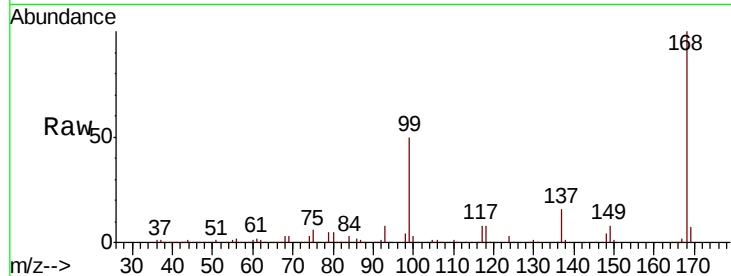
Tot Ion: 75 Resp: 13961

Ion Ratio Lower Upper

75 100

110 11.6 20.8 62.2#

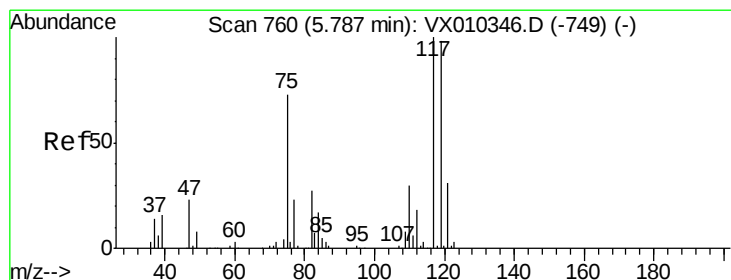
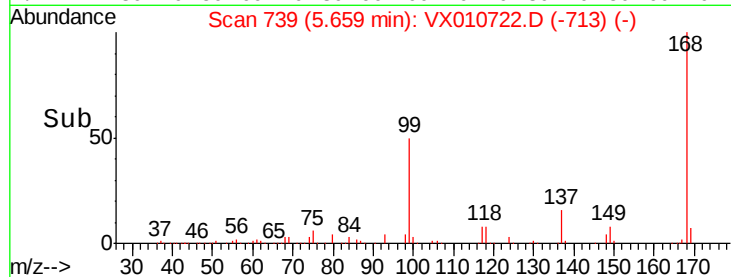
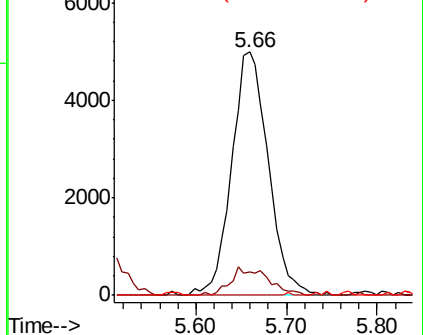
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.619 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

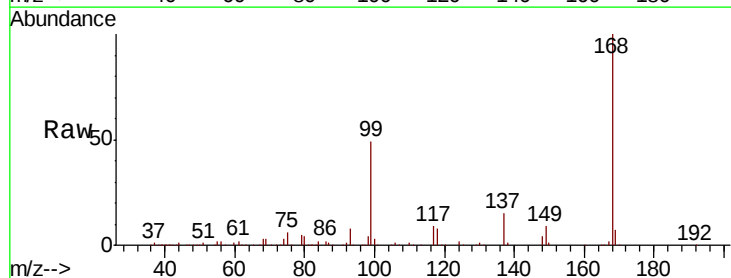
Tgt Ion: 117 Resp: 19793

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.4#

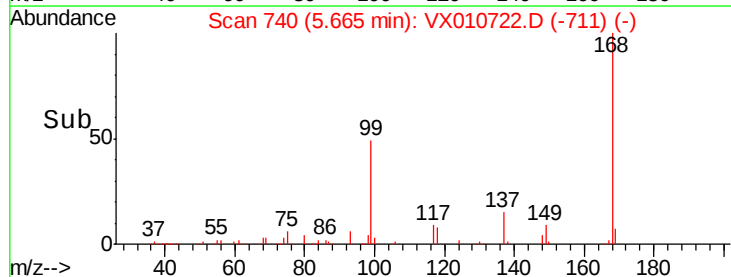
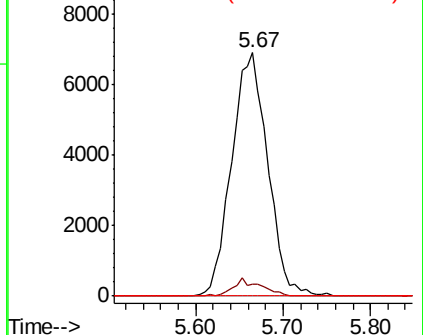
121 0.0 24.7 37.1#

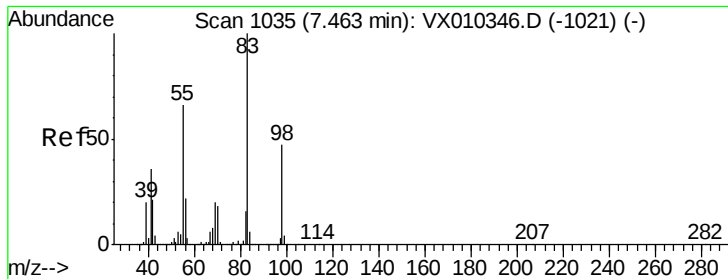


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 4.824 ug/l

RT: 7.45 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

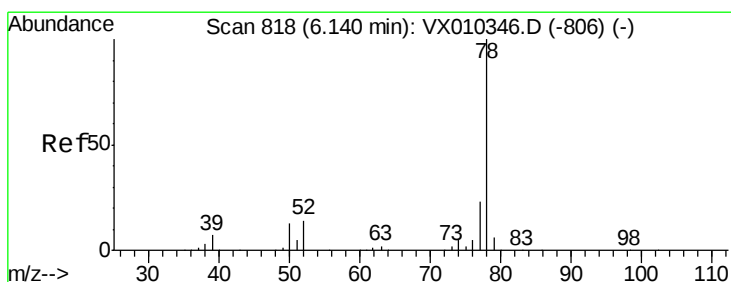
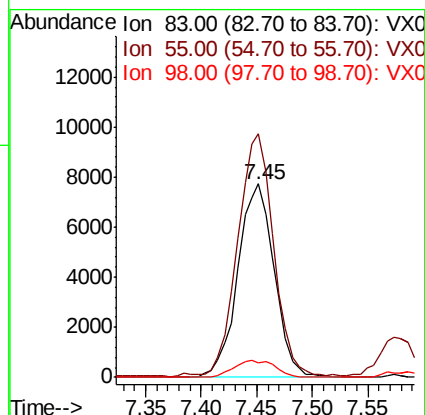
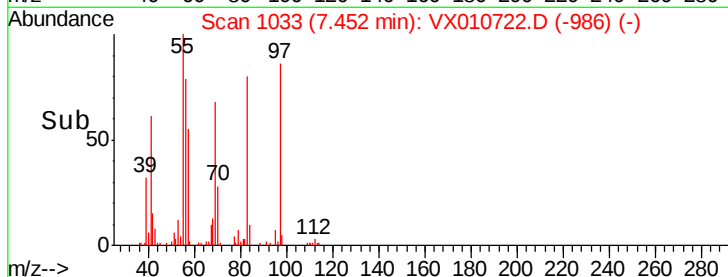
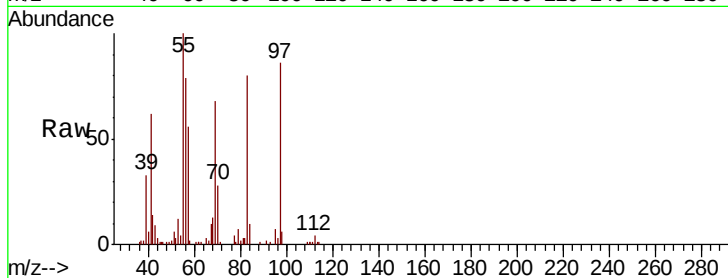
Tot Ion: 83 Resp: 17511

Ion Ratio Lower Upper

83 100

55 124.7 53.0 79.6#

98 7.5 37.8 56.8#



#40

Benzene

Concen: 0.298 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010722.D

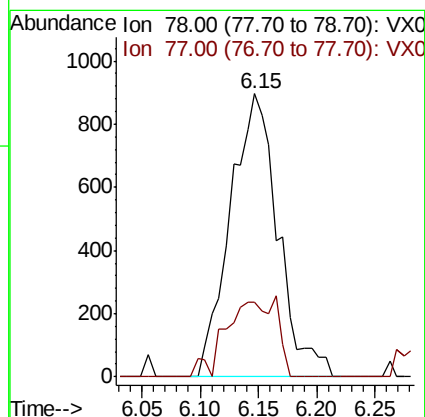
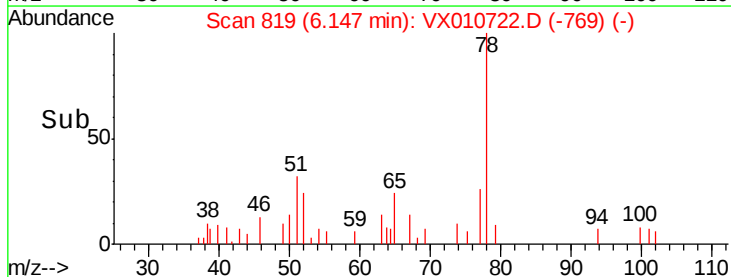
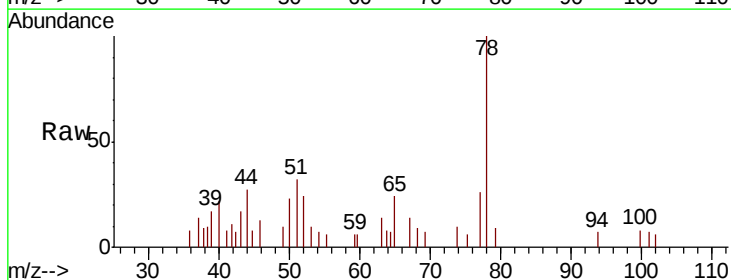
Acq: 09 Jul 2019 02:19

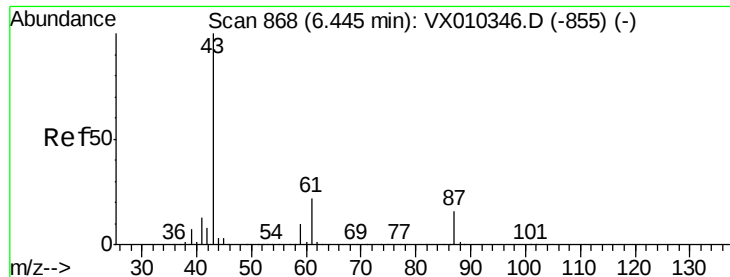
Tgt Ion: 78 Resp: 2560

Ion Ratio Lower Upper

78 100

77 26.2 18.6 28.0



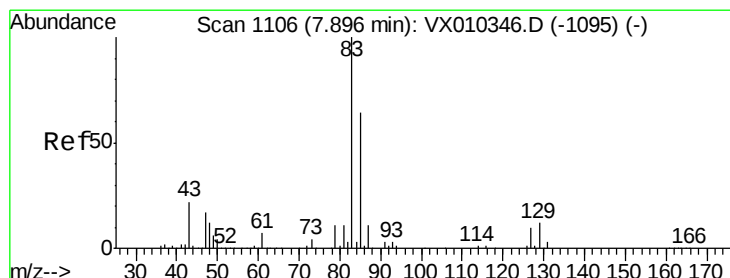
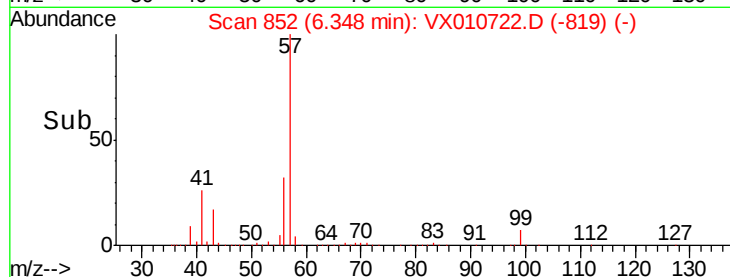
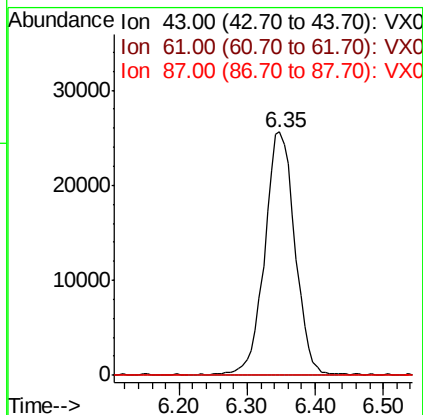
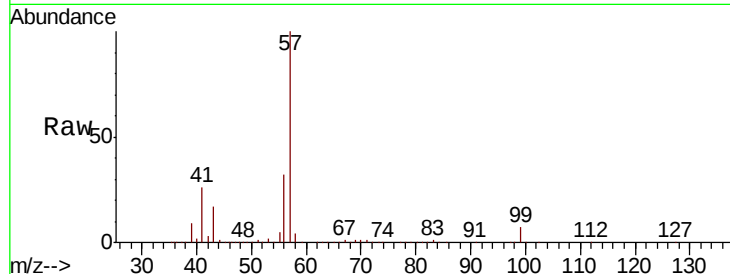


#43

Isopropyl Acetate
 Concen: 16.905 ug/l
 RT: 6.35 min Scan# 852
 Delta R.T. -0.10 min
 Lab File: VX010722.D
 Acq: 09 Jul 2019 02:19

Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW150-190703

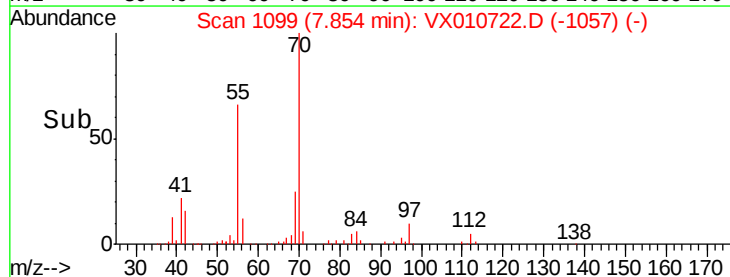
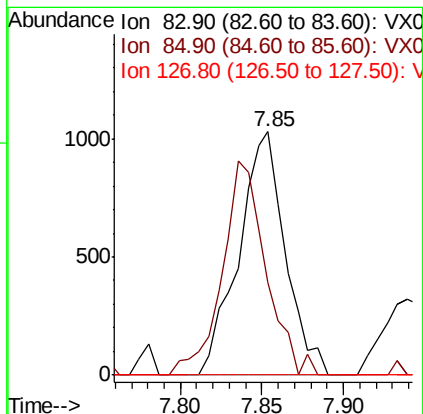
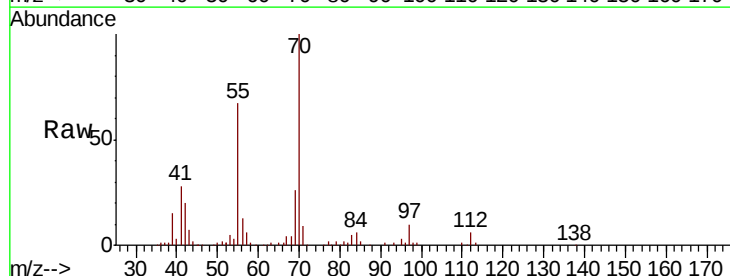
Tot Ion: 43 Resp: 79460
 Ion Ratio Lower Upper
 43 100
 61 0.0 17.8 26.6#
 87 0.0 13.0 19.4#

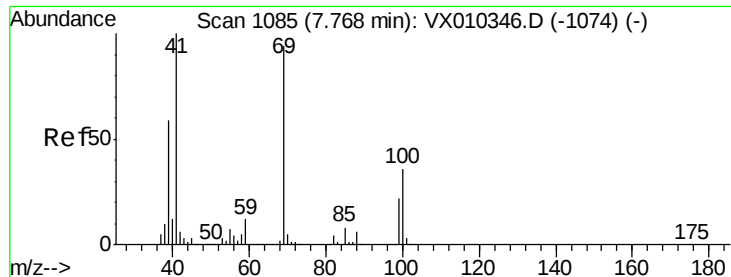


#47

Bromodichloromethane
 Concen: 0.717 ug/l
 RT: 7.85 min Scan# 1099
 Delta R.T. -0.04 min
 Lab File: VX010722.D
 Acq: 09 Jul 2019 02:19

Tgt Ion: 83 Resp: 2048
 Ion Ratio Lower Upper
 83 100
 85 38.3 51.5 77.3#
 127 0.0 7.8 11.8#

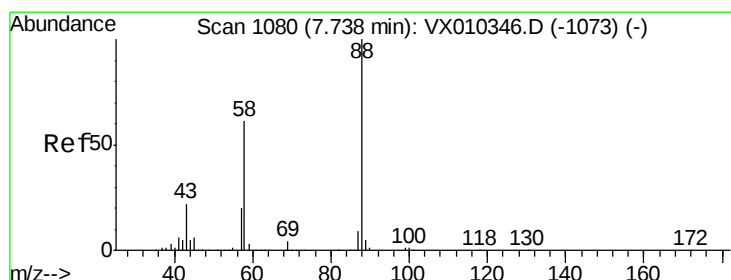
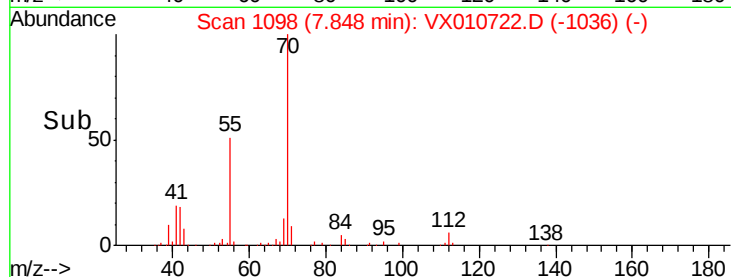
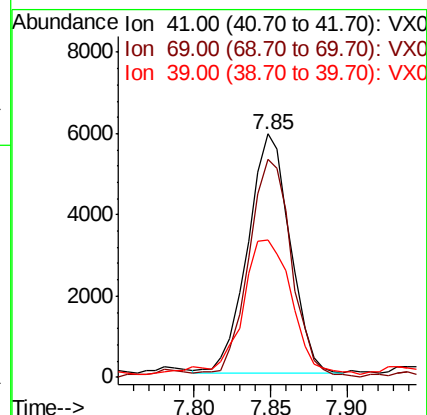
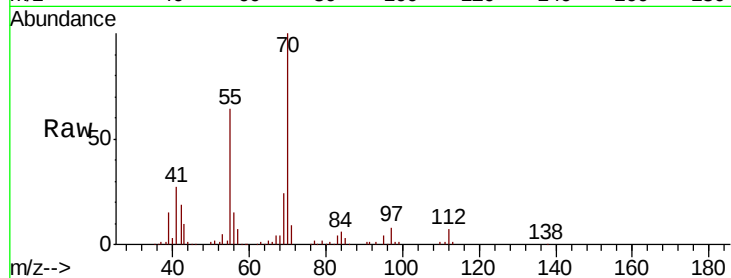




#48
Methvl methacrylate
Concen: 5.188 ug/l
RT: 7.85 min Scan# 1098
Delta R.T. 0.08 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

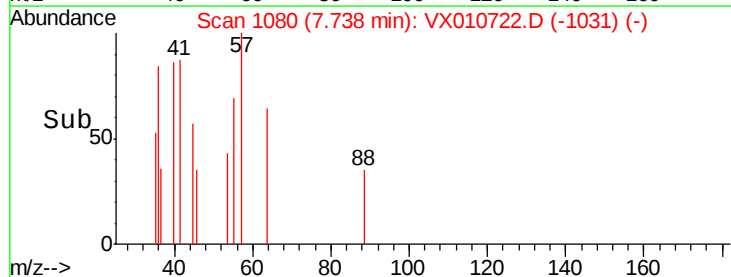
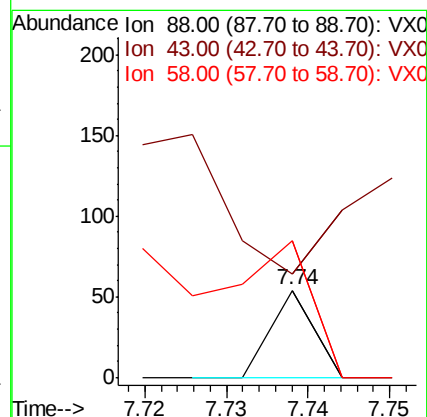
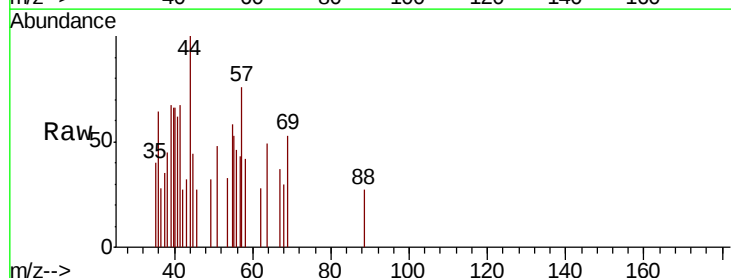
Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

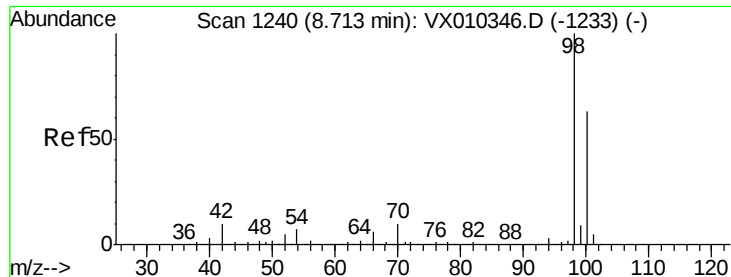
Tot Ion: 41 Resp: 11335
Ion Ratio Lower Upper
41 100
69 93.5 76.1 114.1
39 65.6 47.6 71.4



#49
1,4-Dioxane
Concen: 0.318 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#





#50

Toluene-d8

Concen: 51.966 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

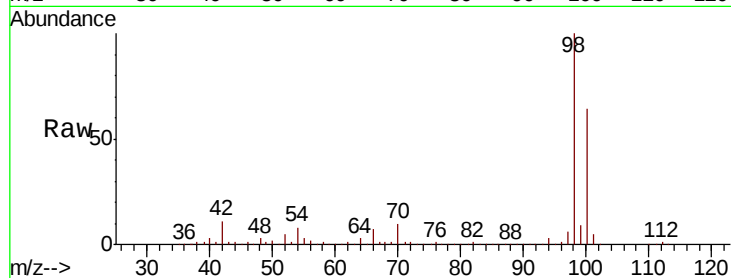
SS038RW150-190703

Tot Ion: 98 Resp: 422724

Ion Ratio Lower Upper

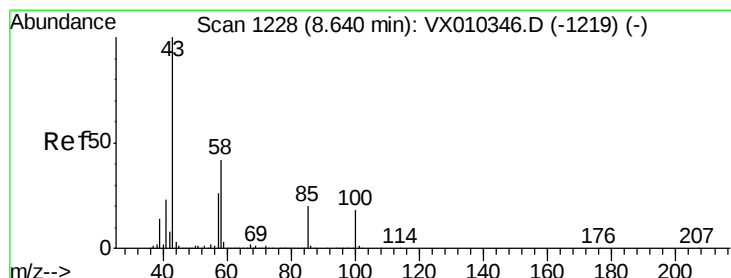
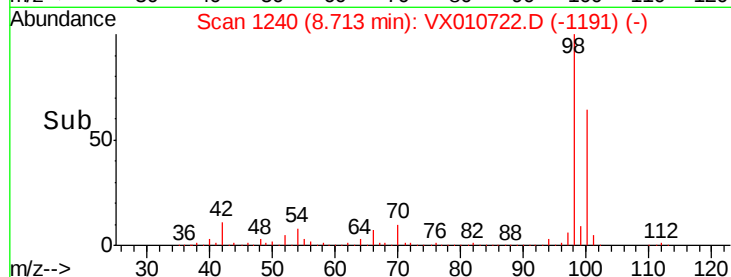
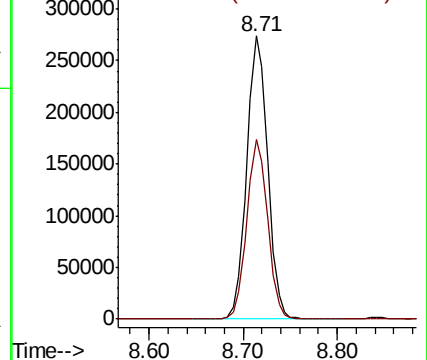
98 100

100 63.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 2.758 ug/l

RT: 8.69 min Scan# 1236

Delta R.T. 0.05 min

Lab File: VX010722.D

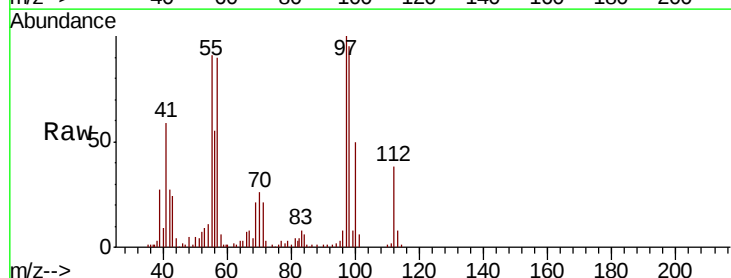
Acq: 09 Jul 2019 02:19

Tgt Ion: 43 Resp: 8290

Ion Ratio Lower Upper

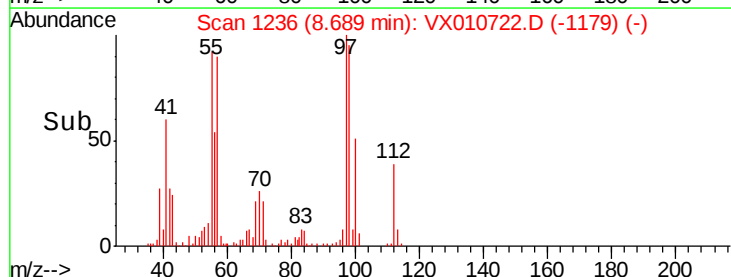
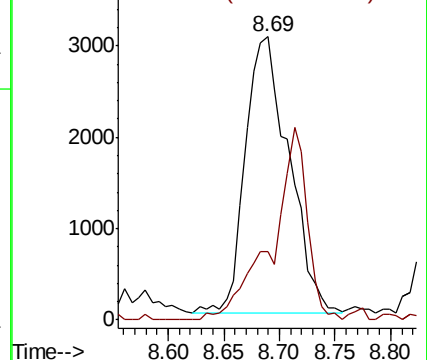
43 100

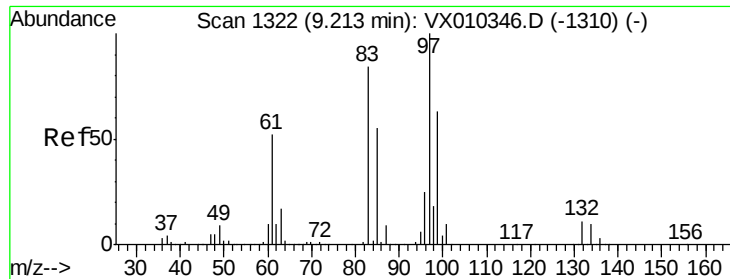
58 0.0 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

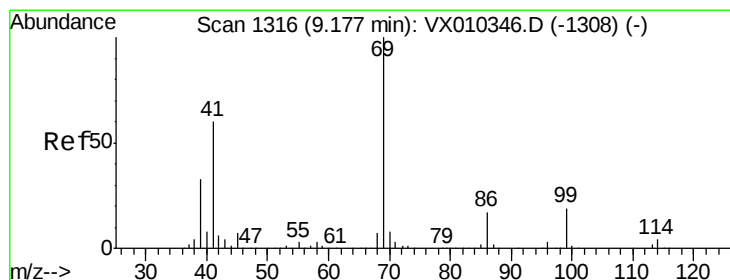
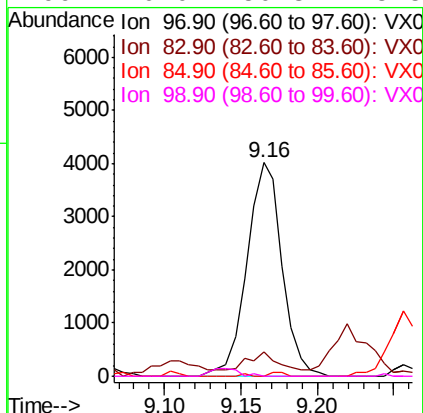
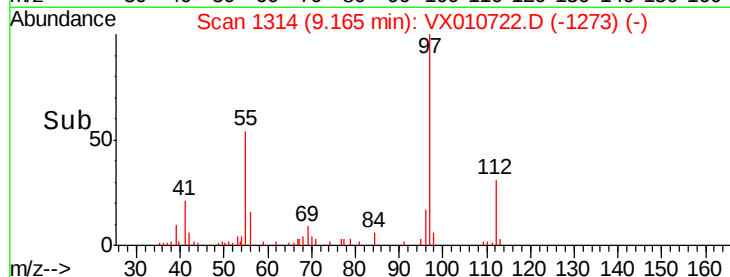
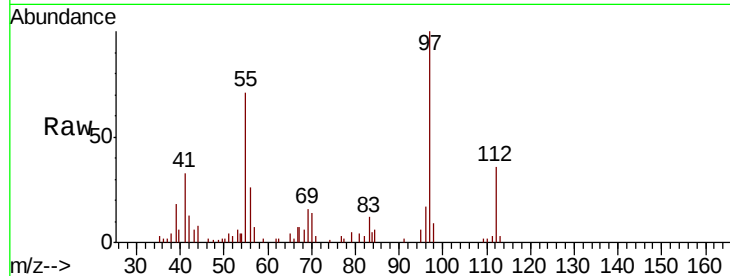




#55
 1,1,2-Trichloroethane
 Concen: 2.730 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010722.D
 Acq: 09 Jul 2019 02:19

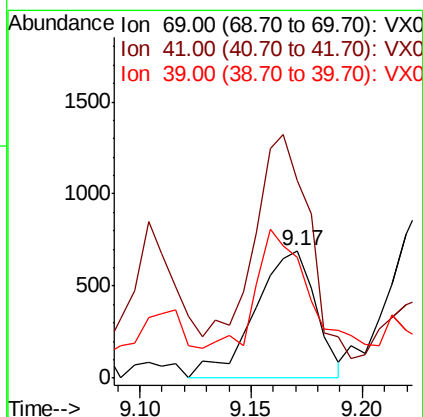
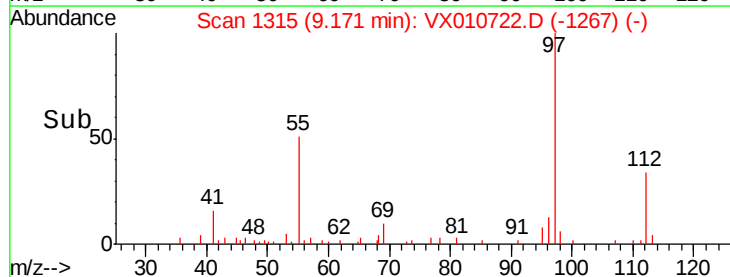
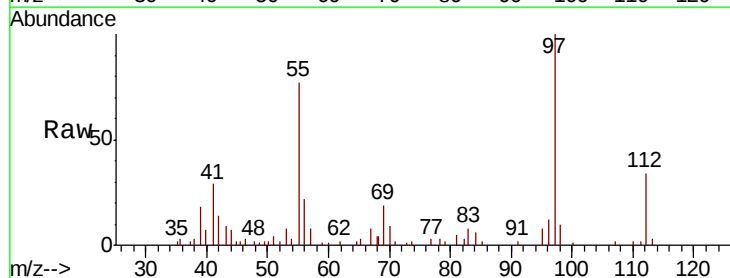
Instrument :
 MSVOA_X
 ClientSampleId :
 SS038RW150-190703

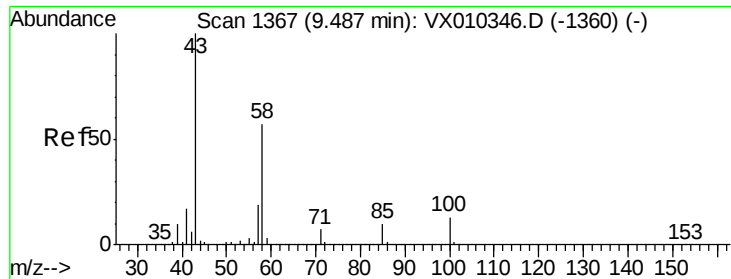
Tot Ion: 97 Resp: 6380
 Ion Ratio Lower Upper
 97 100
 83 6.2 67.4 101.0#
 85 0.0 43.8 65.8#
 99 0.0 50.3 75.5#



#56
 Ethyl methacrylate
 Concen: 0.370 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX010722.D
 Acq: 09 Jul 2019 02:19

Tgt Ion: 69 Resp: 1310
 Ion Ratio Lower Upper
 69 100
 41 161.6 47.1 70.7#
 39 75.7 26.6 40.0#

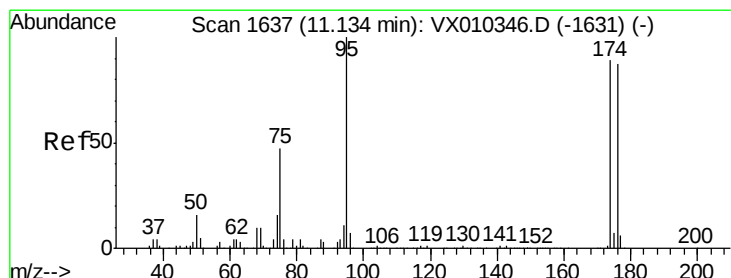
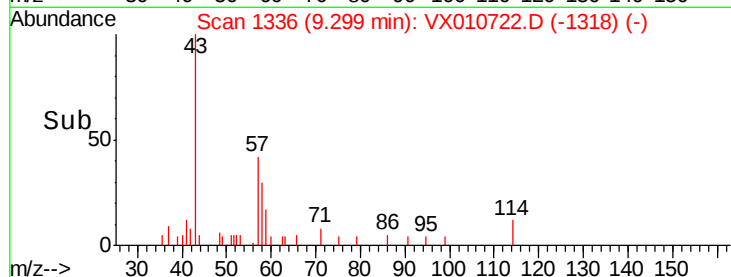
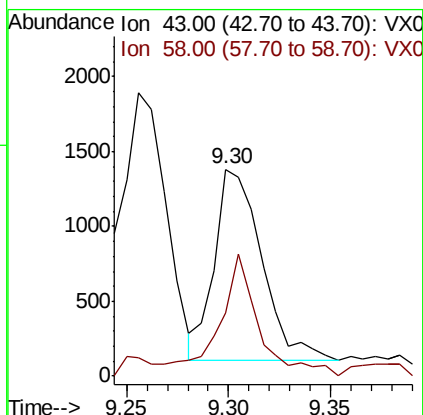
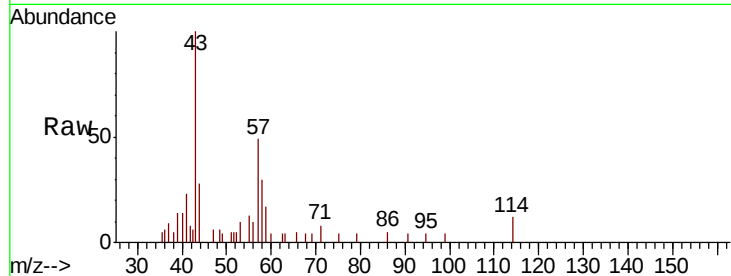




#59
2-Hexanone
Concen: 0.871 ug/l
RT: 9.30 min Scan# 1336
Delta R.T. -0.19 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

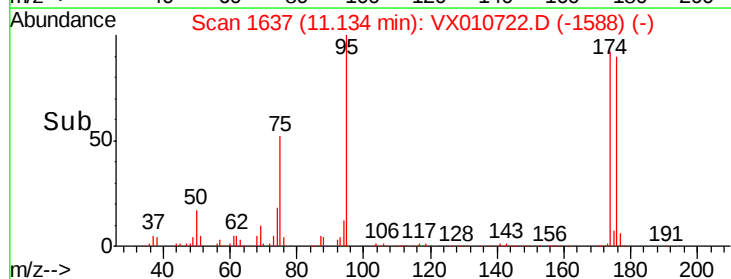
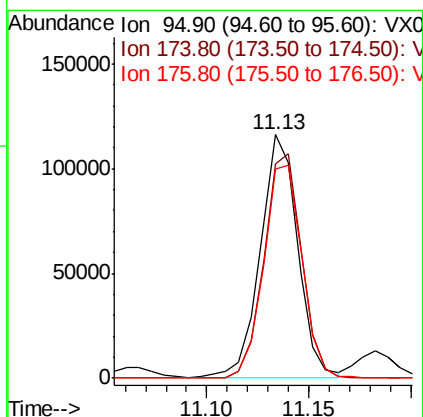
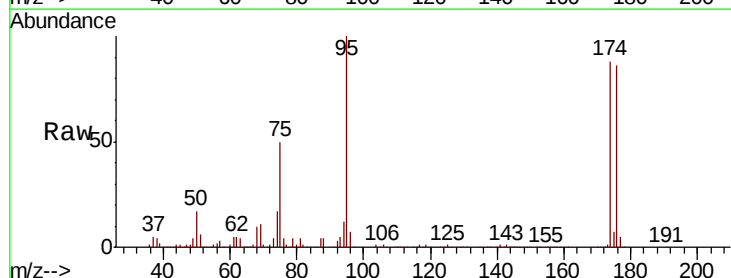
Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

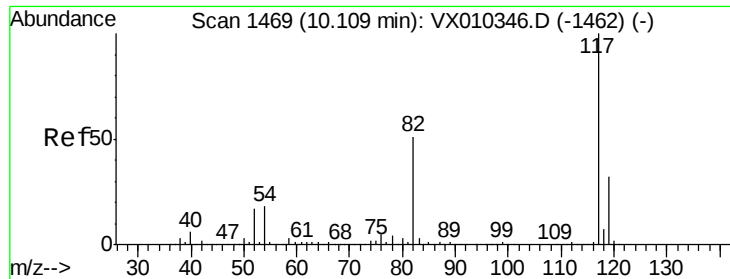
Tot Ion: 43 Resp: 2061
Ion Ratio Lower Upper
43 100
58 52.9 29.0 87.1



#62
4-Bromofluorobenzene
Concen: 50.029 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

Tgt Ion: 95 Resp: 146926
Ion Ratio Lower Upper
95 100
174 94.0 0.0 187.6
176 90.8 0.0 184.0

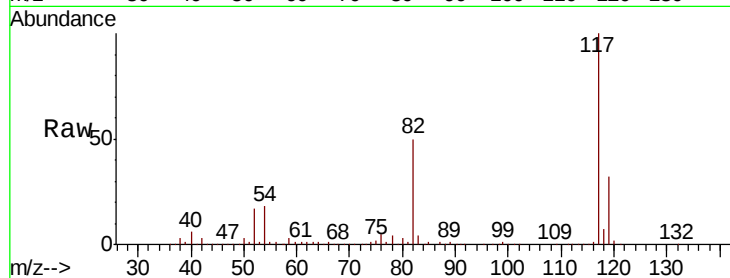




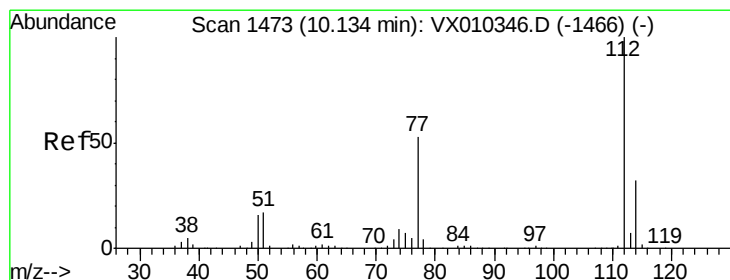
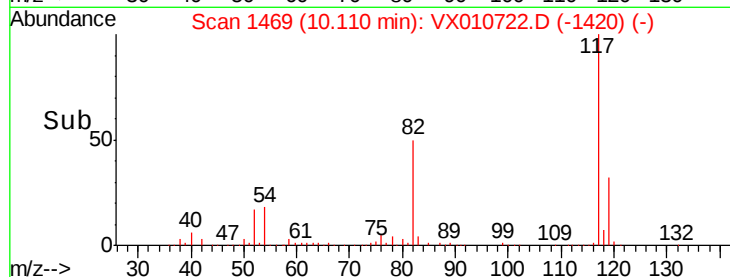
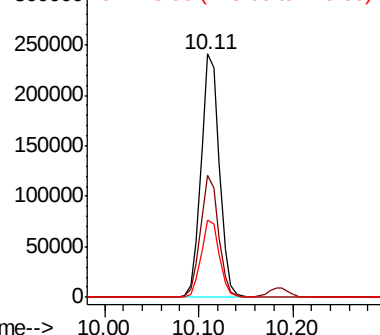
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

Tot Ion:117 Resp: 323930
Ion Ratio Lower Upper
117 100
82 50.1 41.2 61.8
119 31.7 25.5 38.3

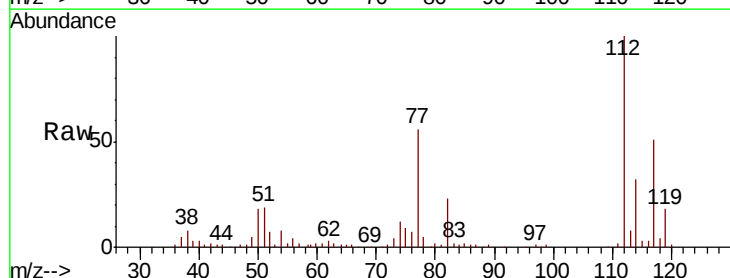


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

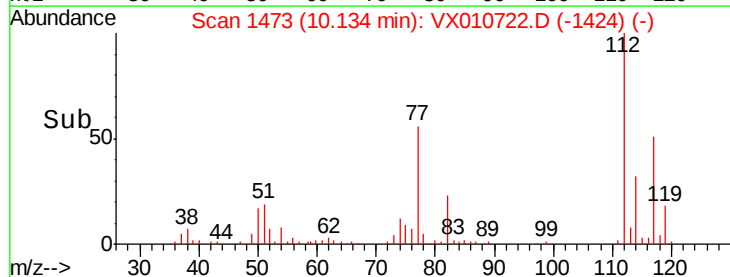
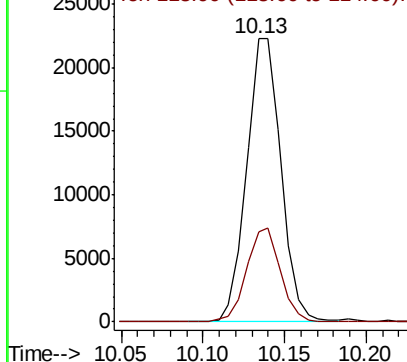


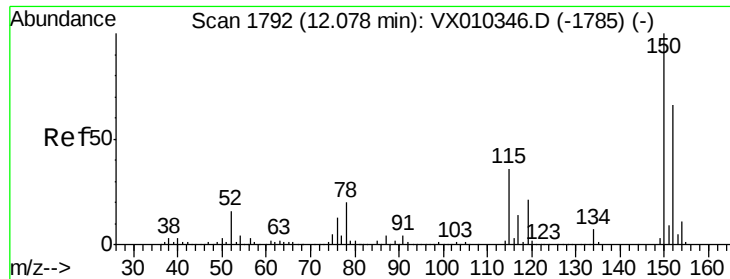
#65
Chlorobenzene
Concen: 4.969 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

Tgt Ion:112 Resp: 32677
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

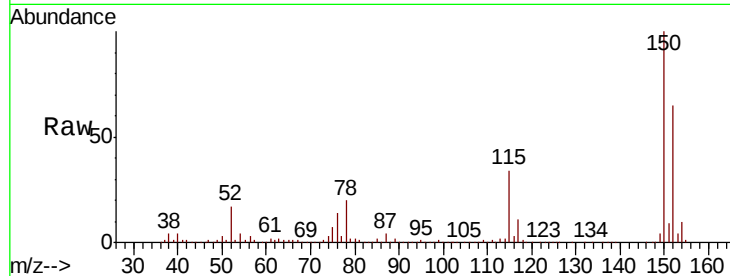
Tot Ion:152 Resp: 159165

Ion Ratio Lower Upper

152 100

115 55.2 38.6 115.7

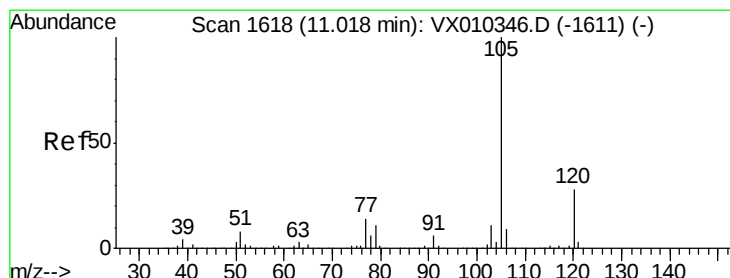
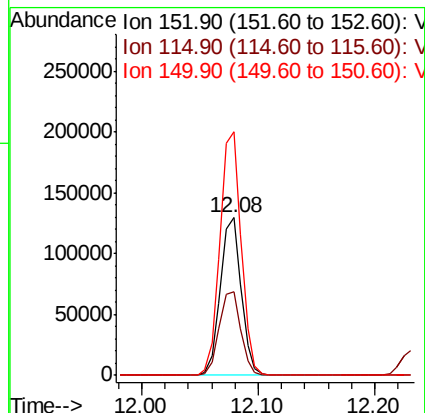
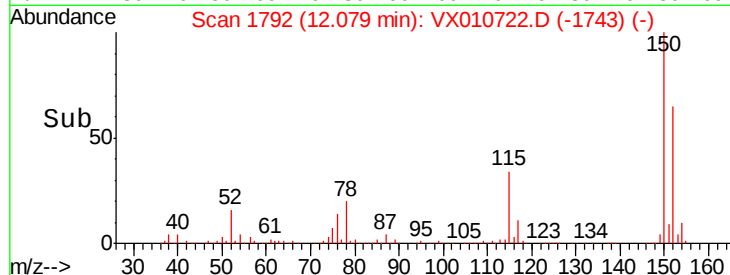
150 157.3 0.0 347.4



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



#73

Isopropylbenzene

Concen: 3.021 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010722.D

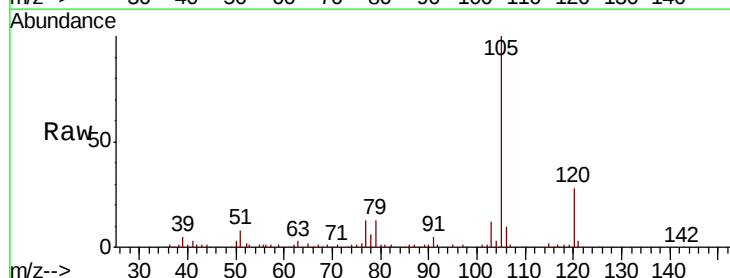
Acq: 09 Jul 2019 02:19

Tgt Ion:105 Resp: 32590

Ion Ratio Lower Upper

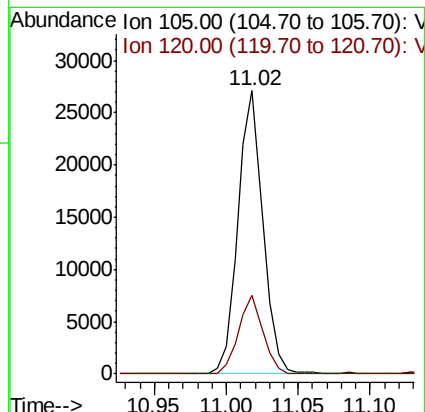
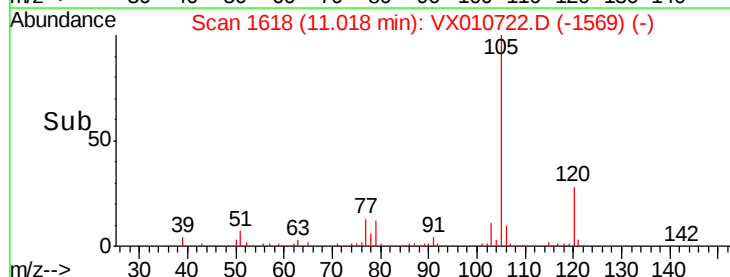
105 100

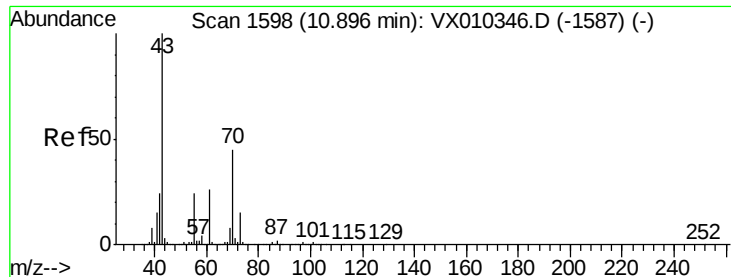
120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.373 ug/l

RT: 10.94 min Scan# 1605

Delta R.T. 0.04 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

Tot Ion: 43 Resp: 1520

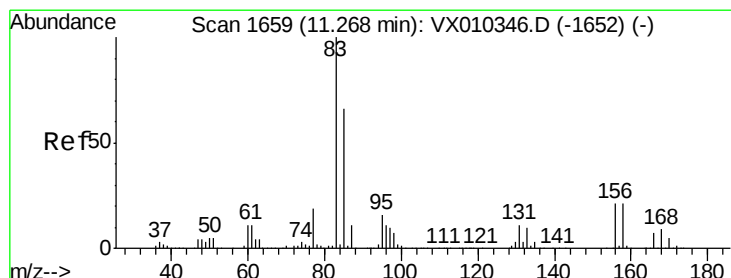
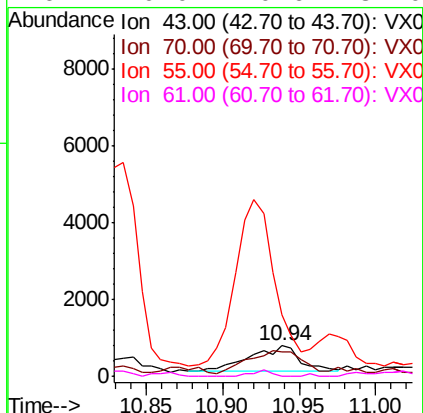
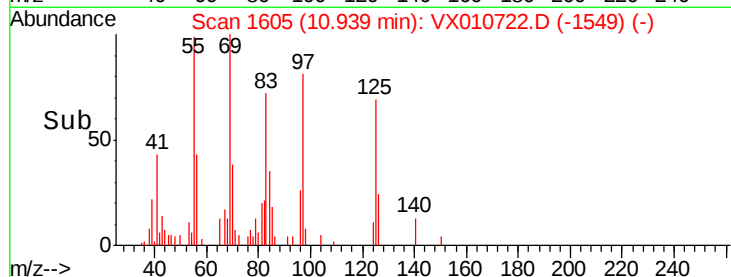
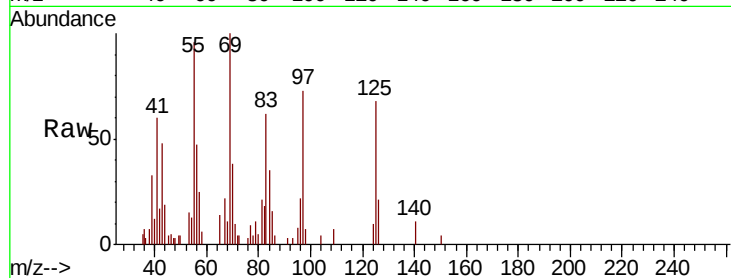
Ion Ratio Lower Upper

43 100

70 92.4 36.6 54.8#

55 508.9 18.7 28.1#

61 0.0 20.6 31.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 1.105 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. 0.01 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

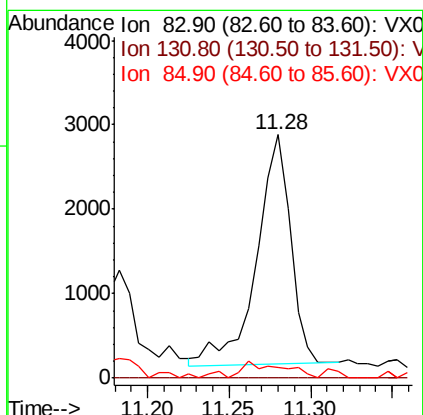
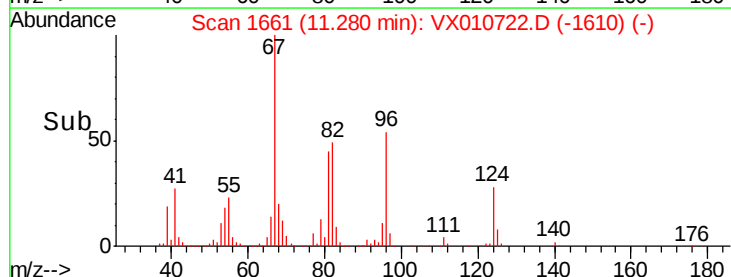
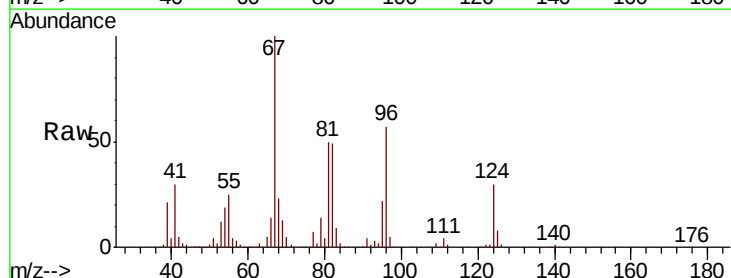
Tgt Ion: 83 Resp: 3950

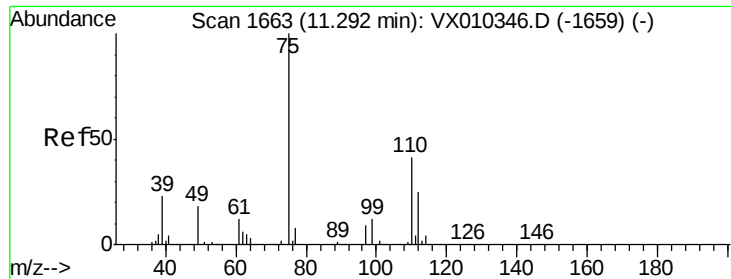
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

85 9.9 32.3 96.8#





#76

1,2,3-Trichloropropane

Concen: 24.443 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

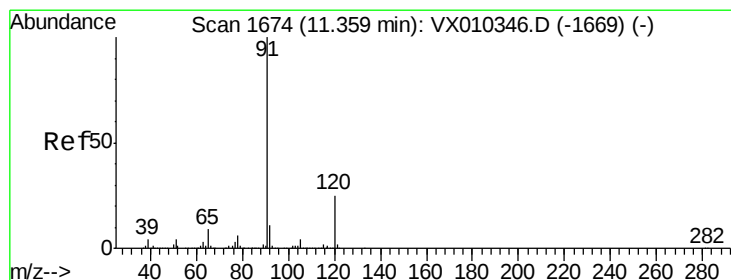
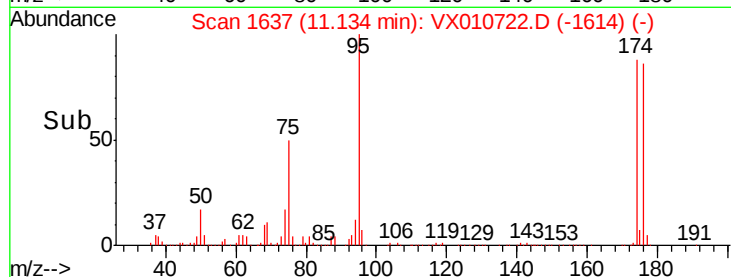
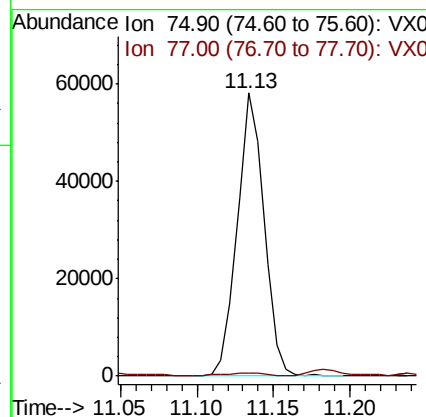
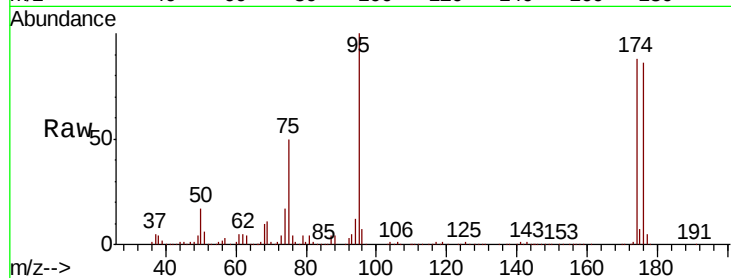
SS038RW150-190703

Tot Ion: 75 Resp: 70894

Ion Ratio Lower Upper

75 100

77 1.1 22.6 67.8#



#78

n-propylbenzene

Concen: 0.255 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010722.D

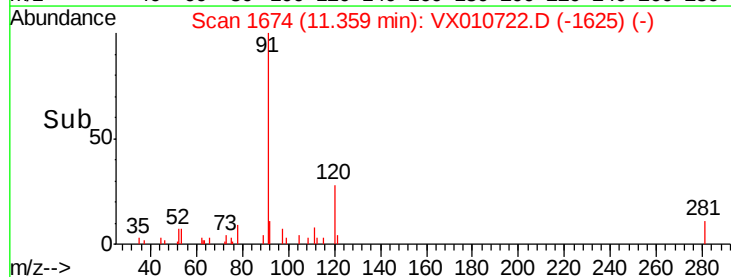
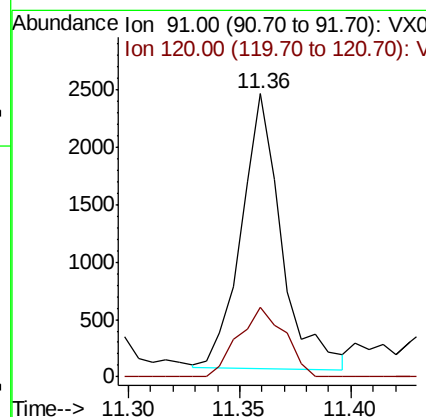
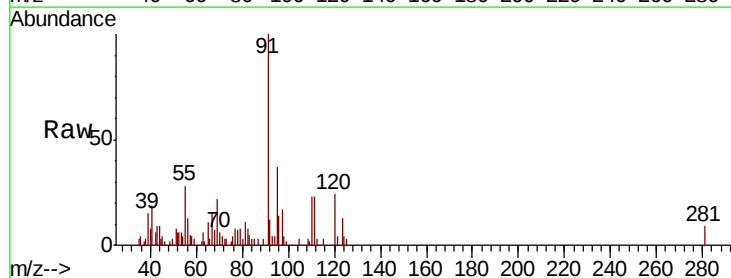
Acq: 09 Jul 2019 02:19

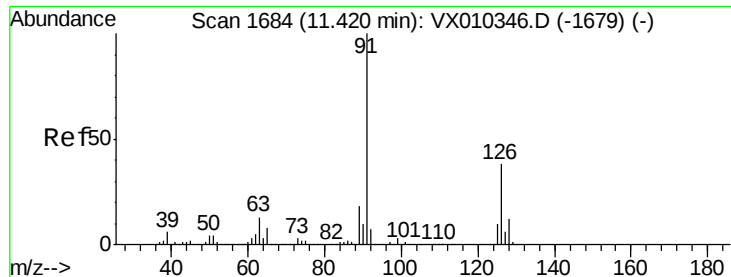
Tgt Ion: 91 Resp: 3020

Ion Ratio Lower Upper

91 100

120 28.9 12.4 37.4





#79

2-Chlorotoluene

Concen: 0.225 ug/l

RT: 11.28 min Scan# 1661

Delta R.T. -0.14 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

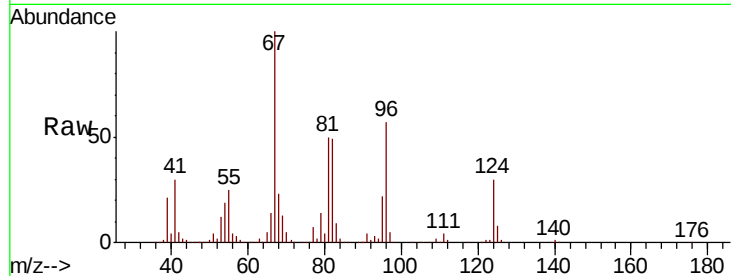
SS038RW150-190703

Tot Ion: 91 Resp: 1590

Ion Ratio Lower Upper

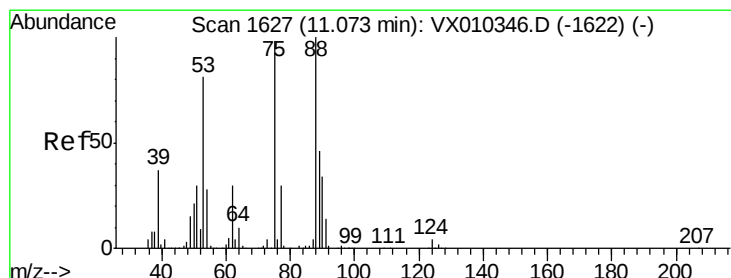
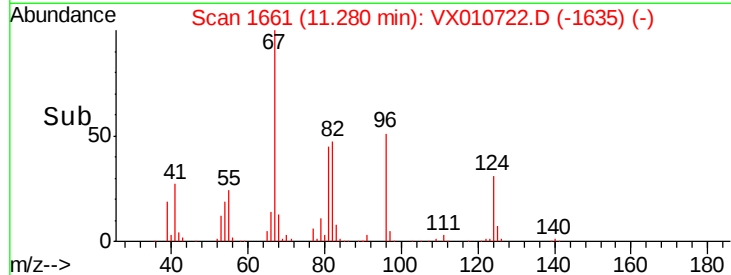
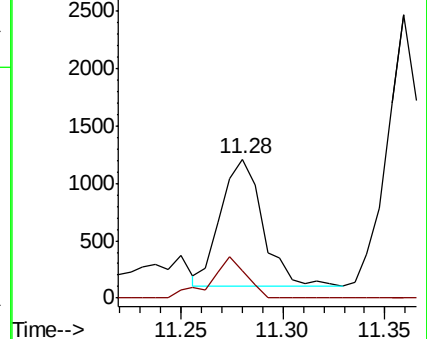
91 100

126 27.3 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 57.022 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

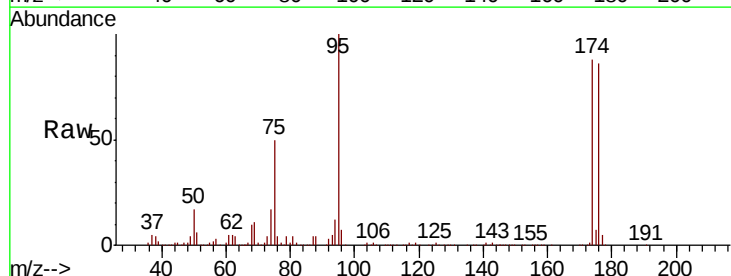
Tgt Ion: 75 Resp: 70894

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

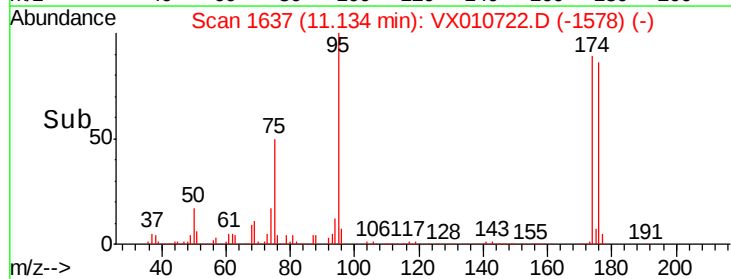
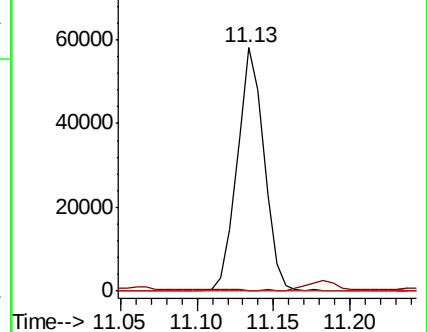
89 0.0 37.8 56.6#

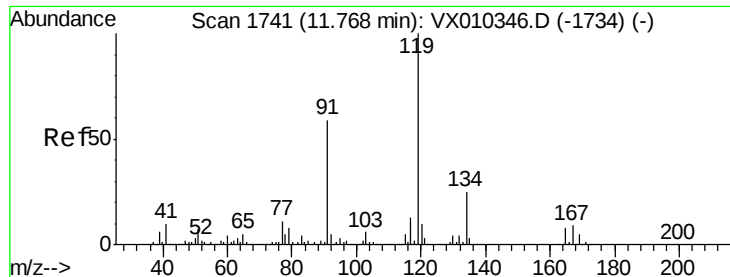


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

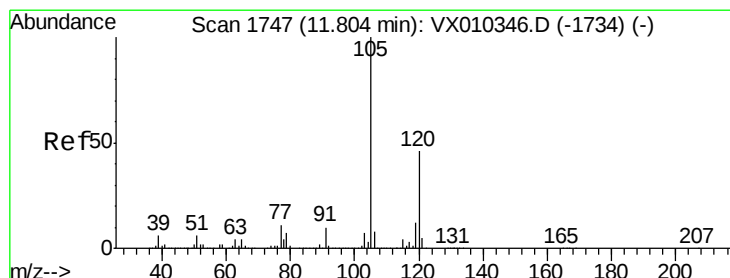
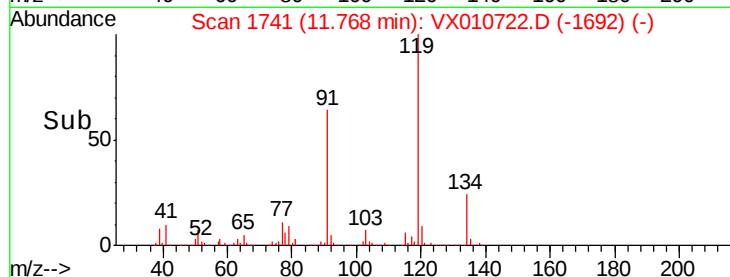
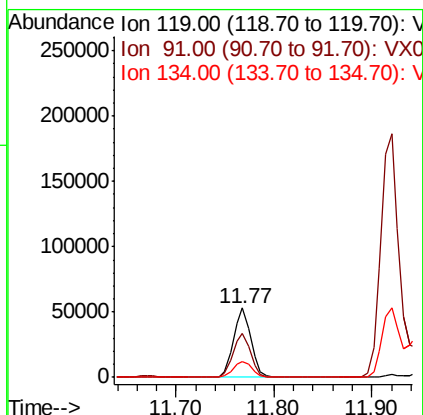
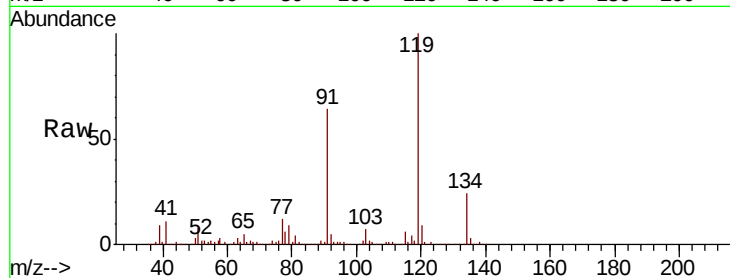




#83
tert-Butylbenzene
Concen: 7.257 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

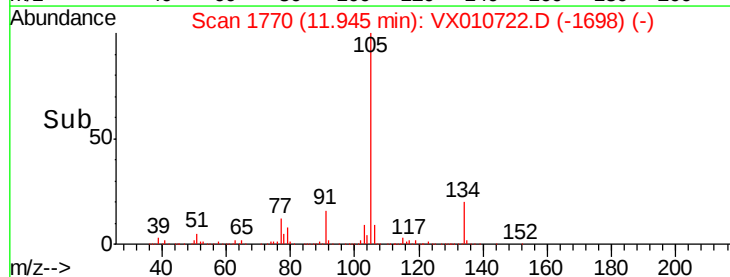
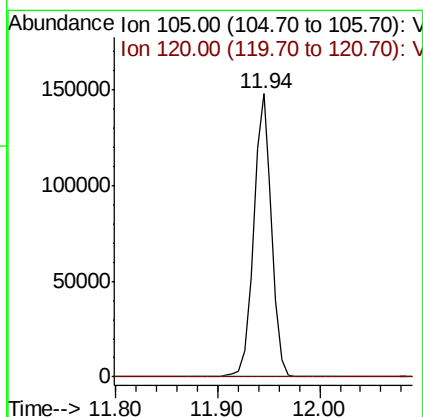
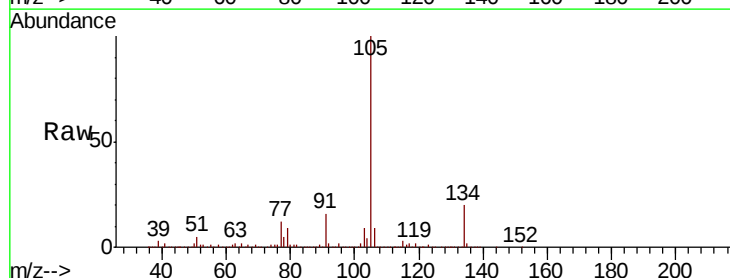
Instrument :
MSVOA_X
ClientSampleId :
SS038RW150-190703

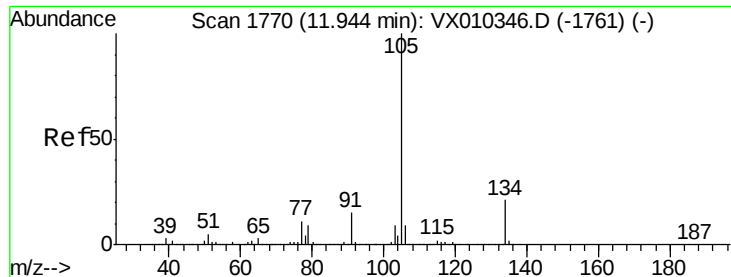
Tot Ion:119 Resp: 64785
Ion Ratio Lower Upper
119 100
91 64.5 27.6 82.7
134 24.9 11.8 35.4



#84
1,2,4-Trimethylbenzene
Concen: 20.184 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.14 min
Lab File: VX010722.D
Acq: 09 Jul 2019 02:19

Tgt Ion:105 Resp: 180370
Ion Ratio Lower Upper
105 100
120 0.2 23.1 69.2#





#85

sec-Butylbenzene

Concen: 17.208 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

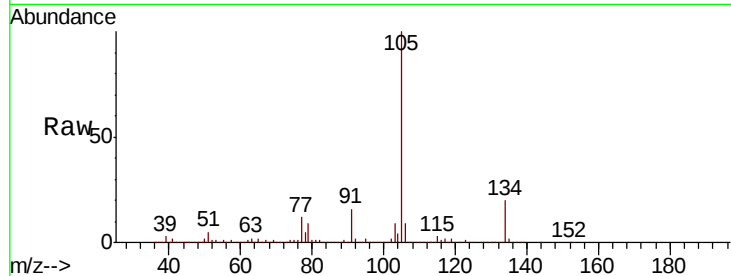
SS038RW150-190703

Tot Ion:105 Resp: 180370

Ion Ratio Lower Upper

105 100

134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

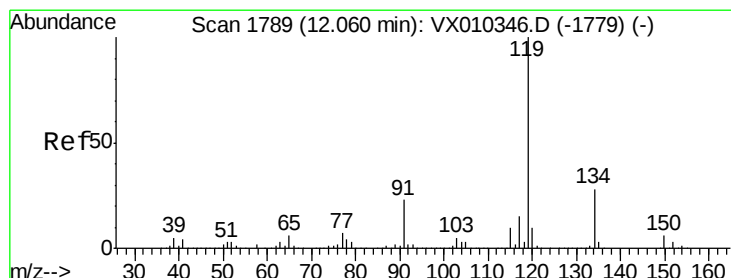
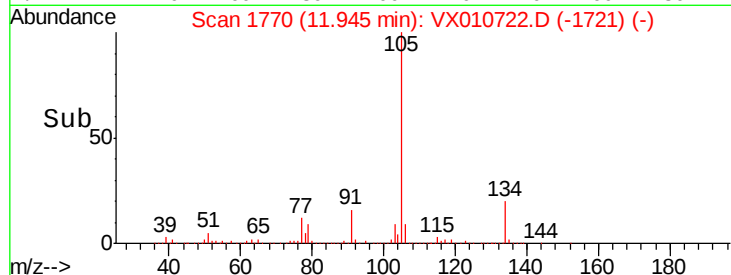
11.94

100000

50000

0

Time--> 11.80 11.90 12.00



#86

p-Isopropyltoluene

Concen: 28.919 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

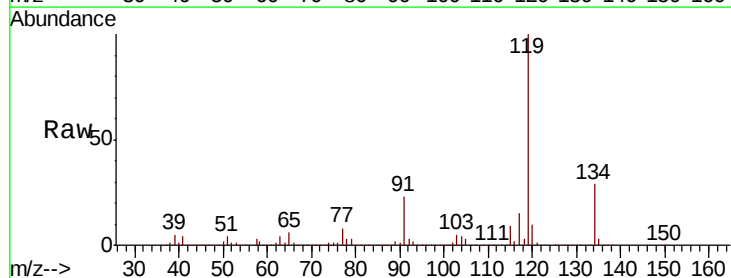
Tgt Ion:119 Resp: 280385

Ion Ratio Lower Upper

119 100

134 28.9 13.7 41.1

91 23.2 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

300000

250000

200000

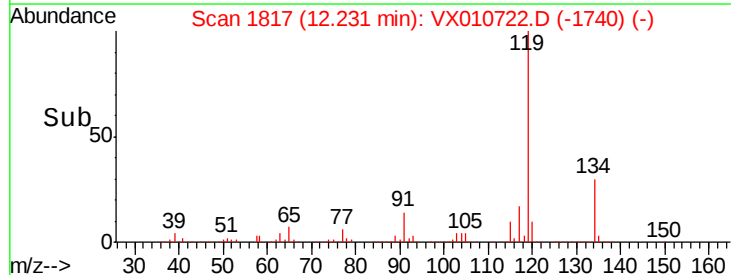
150000

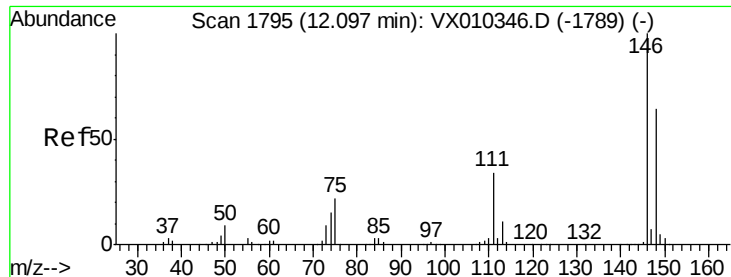
100000

50000

0

Time--> 12.15 12.20 12.25





#88

1,4-Dichlorobenzene

Concen: 0.451 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

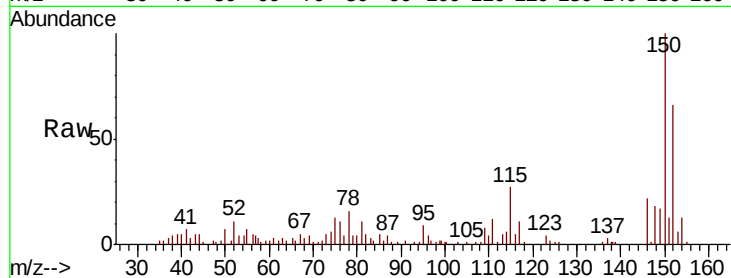
Tot Ion:146 Resp: 2417

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.3#

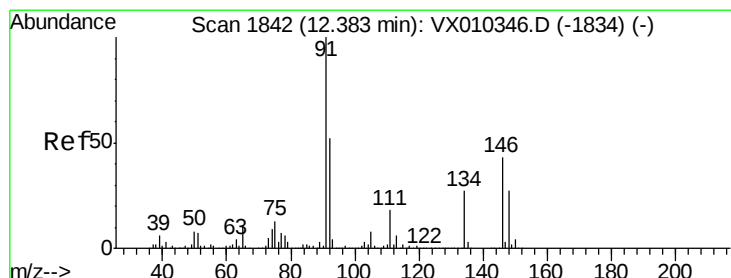
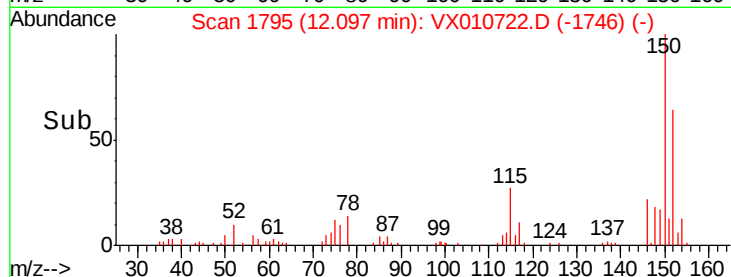
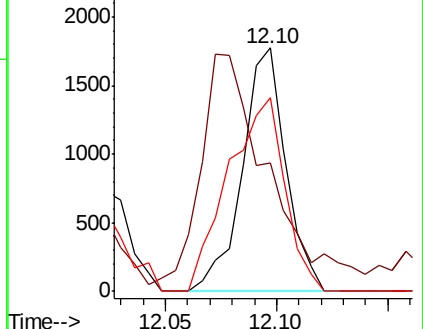
148 103.2 32.1 96.3#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.788 ug/l

RT: 12.37 min Scan# 1839

Delta R.T. -0.02 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

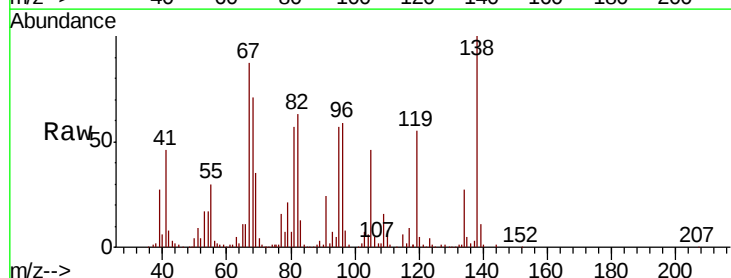
Tgt Ion: 91 Resp: 6496

Ion Ratio Lower Upper

91 100

92 18.7 26.2 78.5#

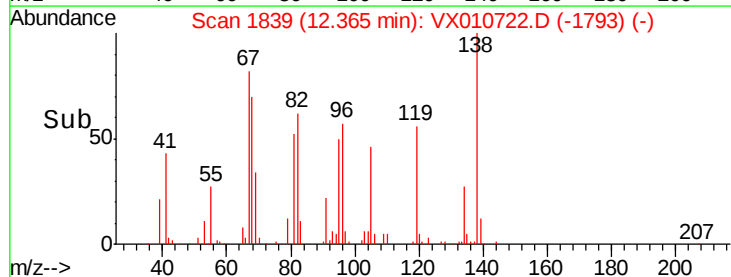
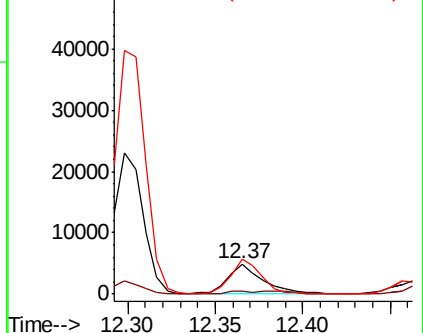
134 106.4 14.1 42.4#

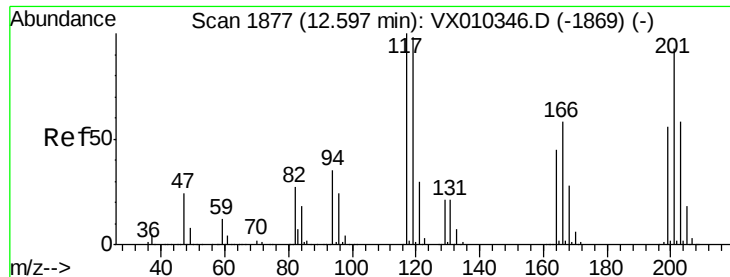


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 49.719 ug/l

RT: 12.67 min Scan# 1889

Delta R.T. 0.07 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

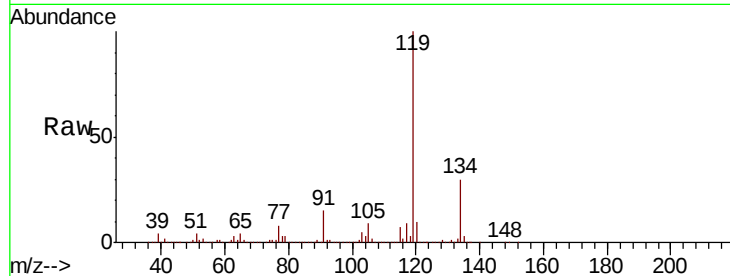
SS038RW150-190703

Tot Ion:117 Resp: 83353

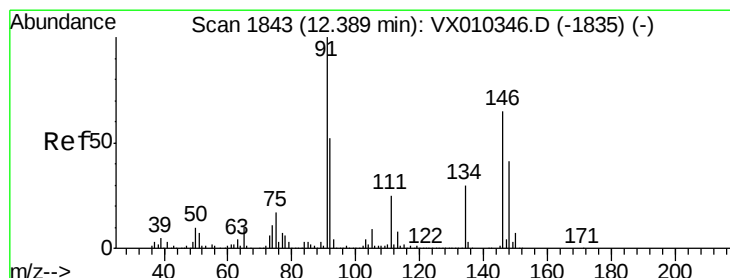
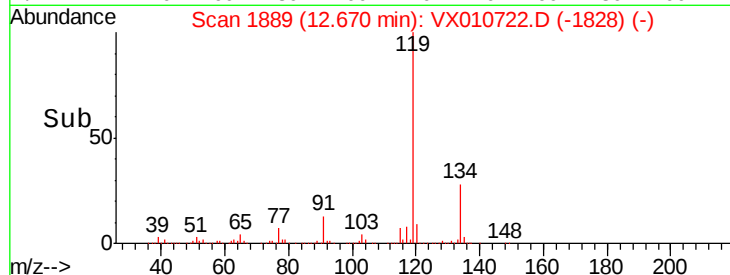
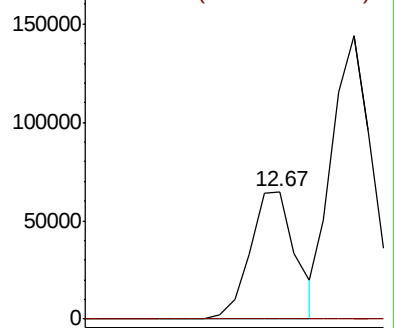
Ion Ratio Lower Upper

117 100

201 0.0 44.0 131.8#



Abundance Ion 116.80 (116.50 to 117.50): V



#91

1,2-Dichlorobenzene

Concen: 0.280 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

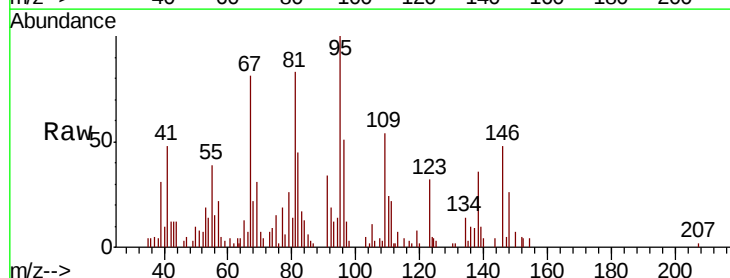
Tgt Ion:146 Resp: 1464

Ion Ratio Lower Upper

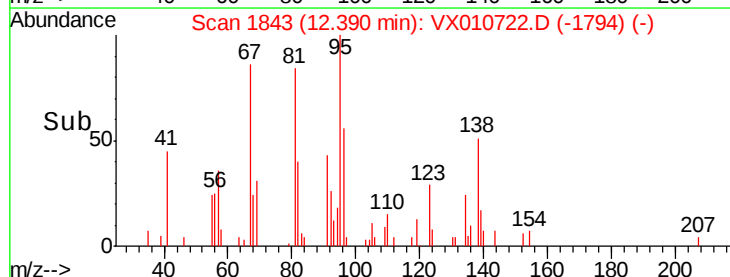
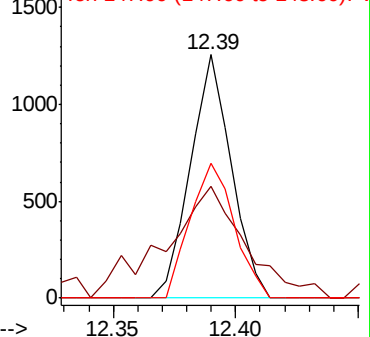
146 100

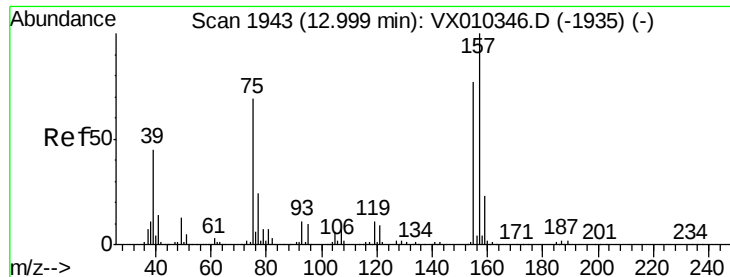
111 91.1 19.2 57.6#

148 59.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.944 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX010722.D

Acq: 09 Jul 2019 02:19

Instrument :

MSVOA_X

ClientSampleId :

SS038RW150-190703

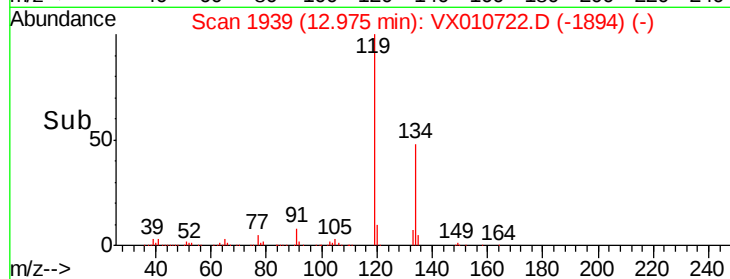
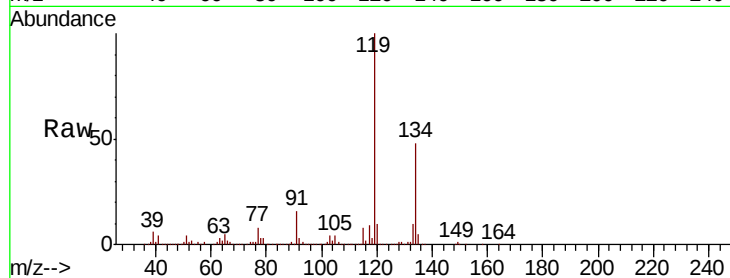
Tot Ion: 75 Resp: 3809

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

157 0.0 69.5 208.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

