

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070819\
 Data File : VX010692.D
 Acq On : 08 Jul 2019 13:52
 Operator : JC/SP
 Sample : K3669-01DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190701DL

Quant Time: Jul 09 01:07:49 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	5.66	168	240824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373883	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	341475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	158053	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	120597	53.41	ug/l	0.00
Spiked Amount						
			Recovery	=	106.82%	
35) Dibromofluoromethane	5.50	113	115367	50.43	ug/l	0.00
Spiked Amount						
			Recovery	=	100.86%	
50) Toluene-d8	8.71	98	441330	50.43	ug/l	0.00
Spiked Amount						
			Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	152333	48.21	ug/l	0.00
Spiked Amount						
			Recovery	=	96.42%	

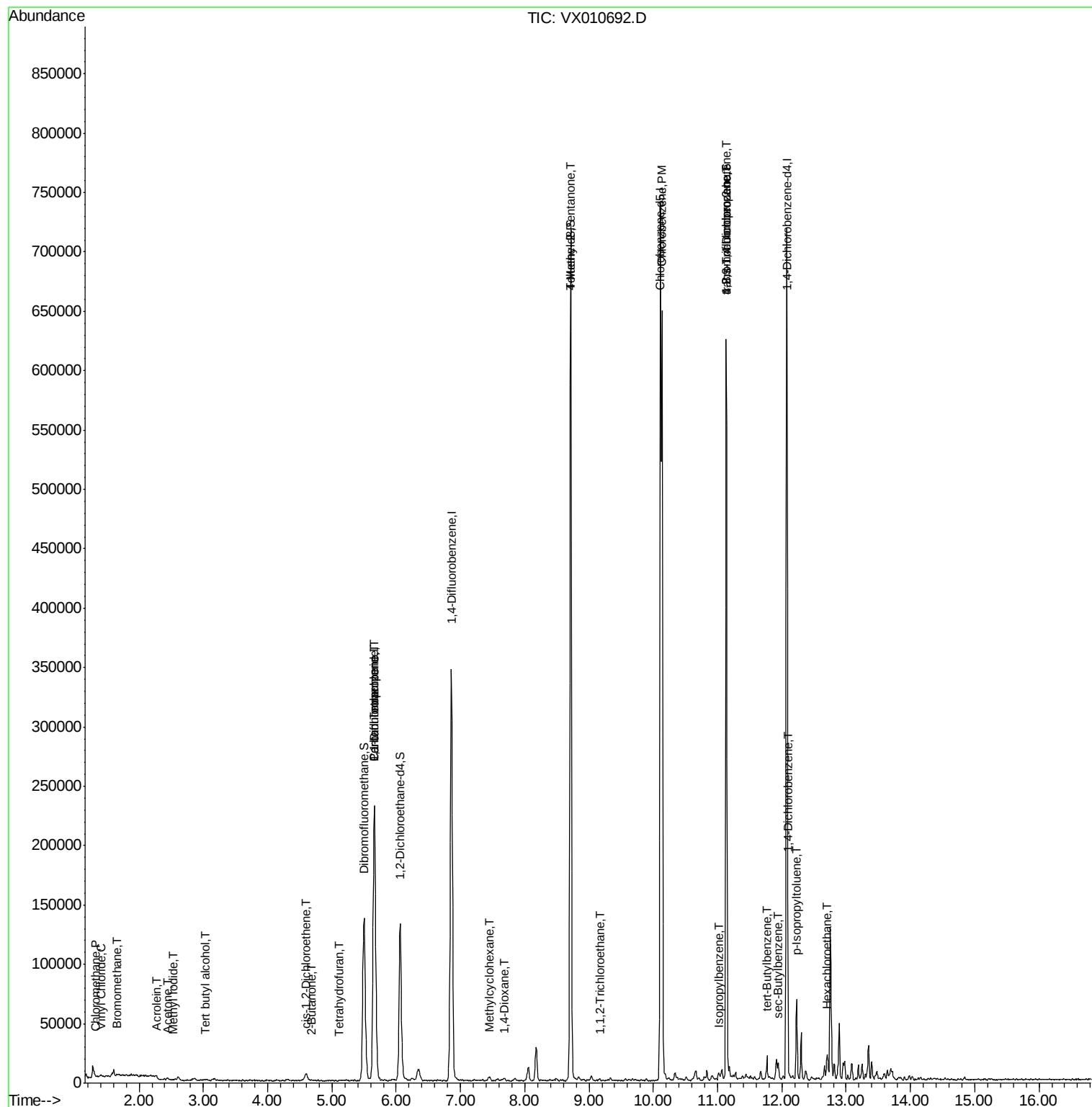
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	492	0.252	ug/l #	84
4) Vinyl Chloride	1.40	62	1466	0.687	ug/l	96
5) Bromomethane	1.65	94	475	0.457	ug/l #	66
10) Methyl Iodide	2.52	142	588	0.201	ug/l #	90
11) Tert butyl alcohol	3.04	59	1093	1.850	ug/l #	69
13) Acrolein	2.27	56	318	0.811	ug/l #	75
16) Acetone	2.44	43	1323	1.169	ug/l	90
25) 2-Butanone	4.67	43	473	0.285	ug/l #	46
27) cis-1,2-Dichloroethene	4.60	96	4041	1.558	ug/l	95
29) Tetrahydrofuran	5.12	42	358	0.348	ug/l #	28
36) 1,1-Dichloropropene	5.66	75	15070	5.072	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21709	6.748	ug/l #	15
39) Methylcyclohexane	7.45	83	990	0.253	ug/l #	75
49) 1,4-Dioxane	7.69	88	29	0.428	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	2405	0.744	ug/l #	1
55) 1,1,2-Trichloroethane	9.16	97	627	0.249	ug/l #	15
65) Chlorobenzene	10.13	112	287127	41.417	ug/l	97
73) Isopropylbenzene	11.02	105	3249	0.303	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	73731	25.600	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73731	59.722	ug/l #	16
83) tert-Butylbenzene	11.77	119	7018	0.792	ug/l	83
85) sec-Butylbenzene	11.94	105	6635	0.637	ug/l	95
86) p-Isopropyltoluene	12.23	119	27740	2.881	ug/l	96
88) 1,4-Dichlorobenzene	12.10	146	1140	0.214	ug/l #	1
90) Hexachloroethane	12.70	117	4917	2.954	ug/l #	5

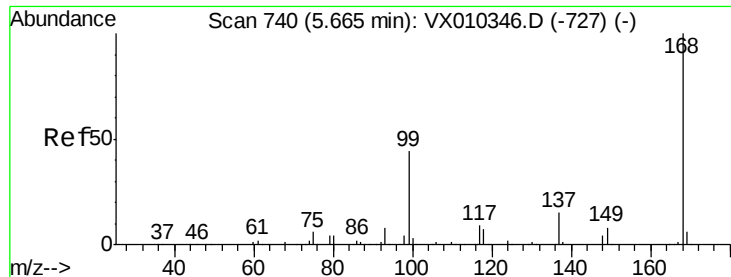
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010692.D

Acq: 08 Jul 2019 13:52

Instrument :

MSVOA_X

ClientSampleId :

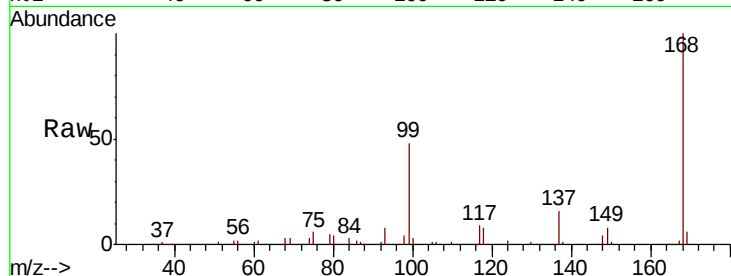
SS037MW036-190701DL

Tot Ion:168 Resp: 240824

Ion Ratio Lower Upper

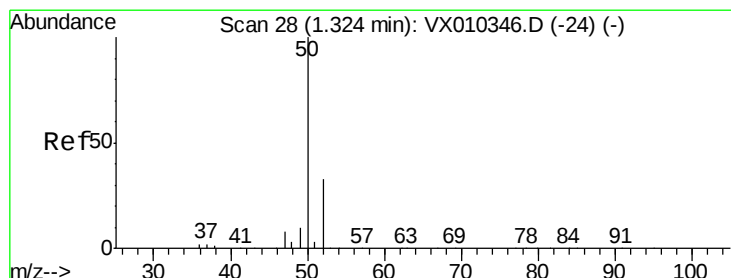
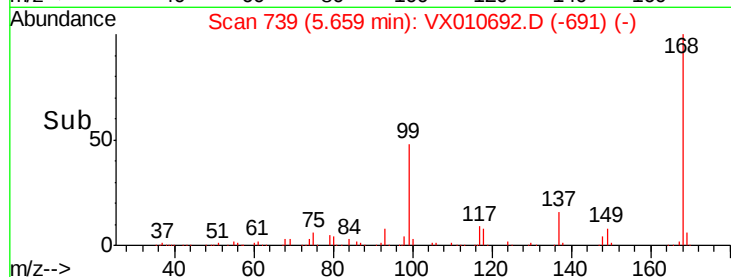
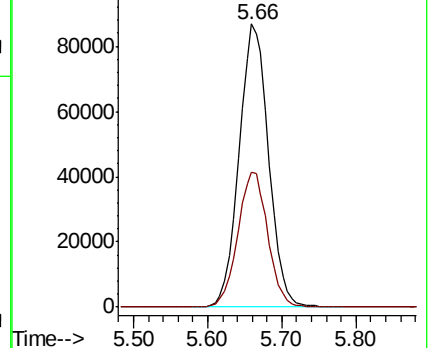
168 100

99 47.8 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010692.D

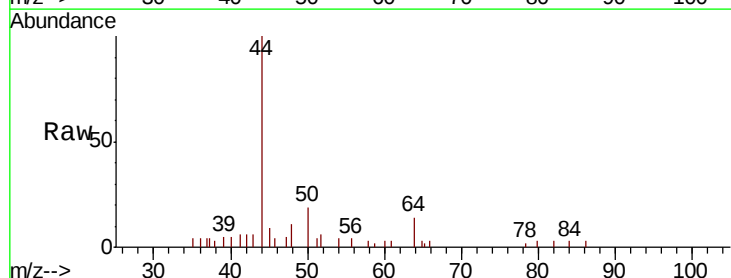
Acq: 08 Jul 2019 13:52

Tgt Ion: 50 Resp: 492

Ion Ratio Lower Upper

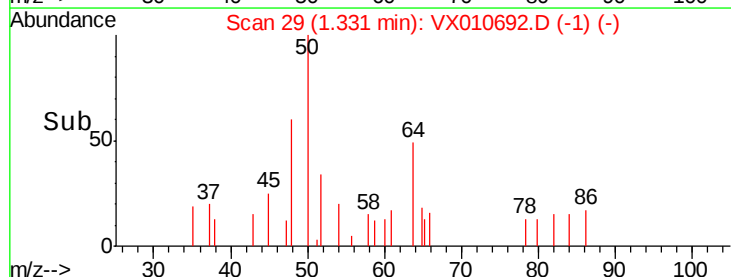
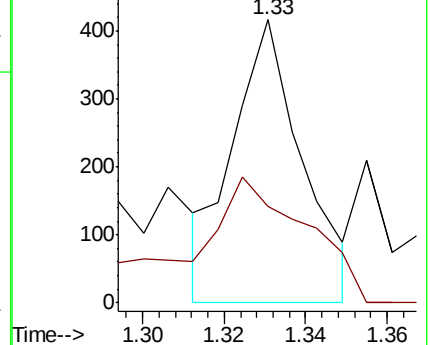
50 100

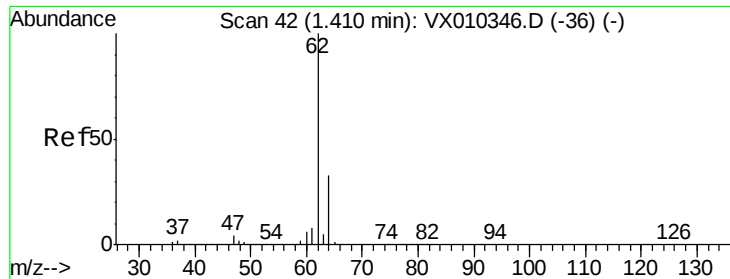
52 24.3 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.687 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX010692.D

Acq: 08 Jul 2019 13:52

Instrument :

MSVOA_X

ClientSampleID :

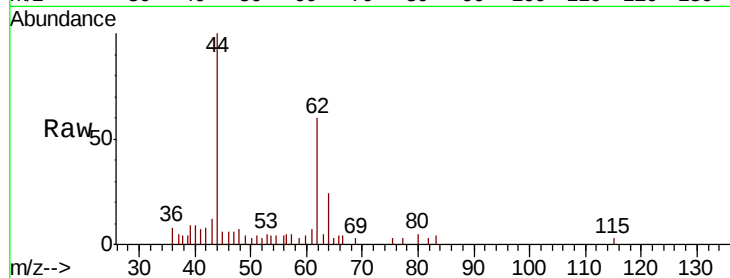
SS037MW036-190701DL

Tot Ion: 62 Resp: 1466

Ion Ratio Lower Upper

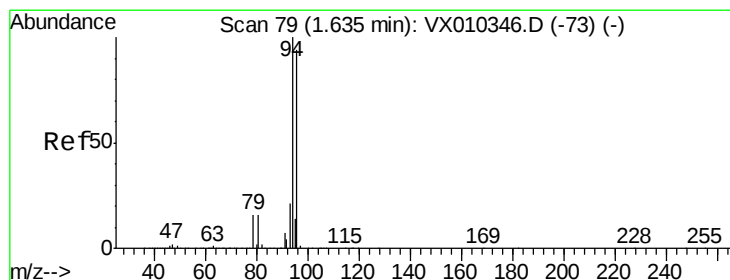
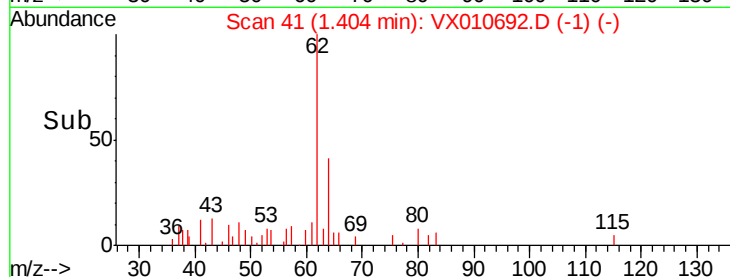
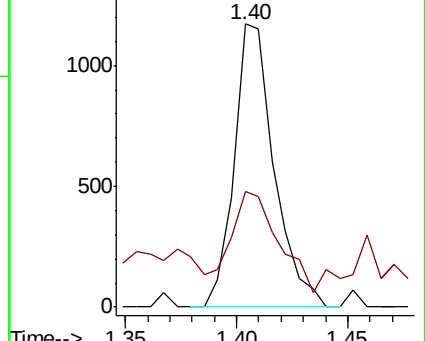
62 100

64 30.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.457 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010692.D

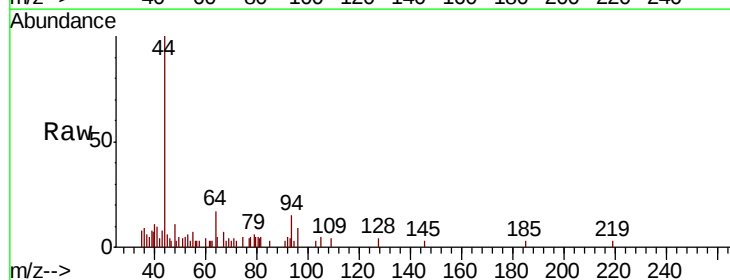
Acq: 08 Jul 2019 13:52

Tgt Ion: 94 Resp: 475

Ion Ratio Lower Upper

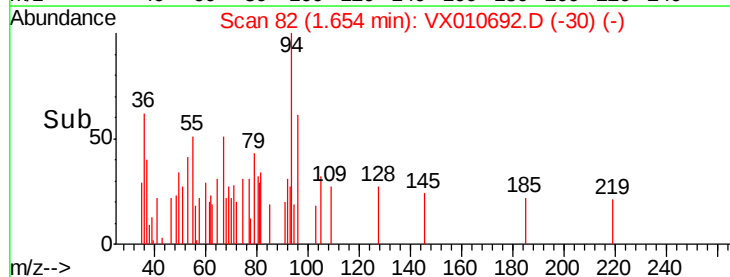
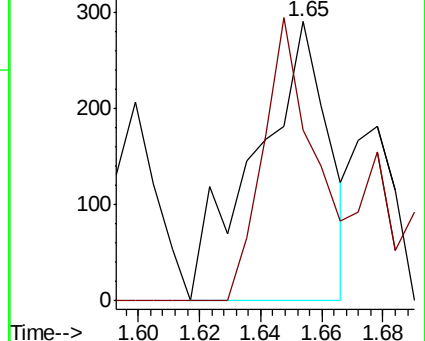
94 100

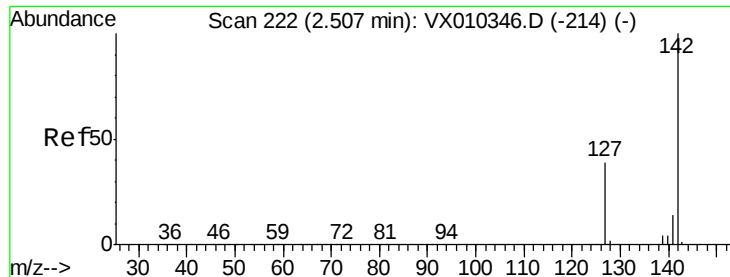
96 61.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

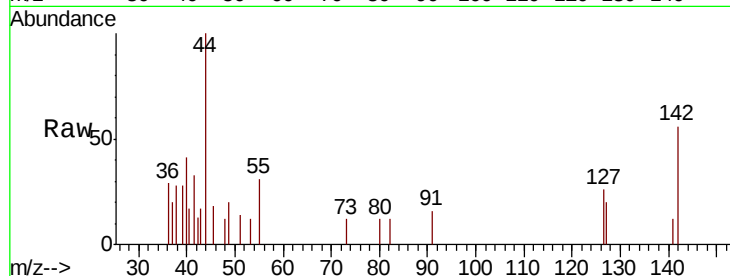




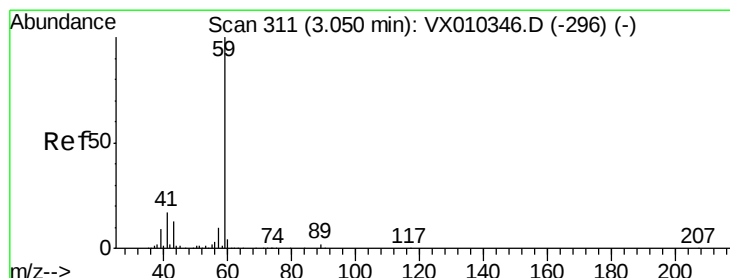
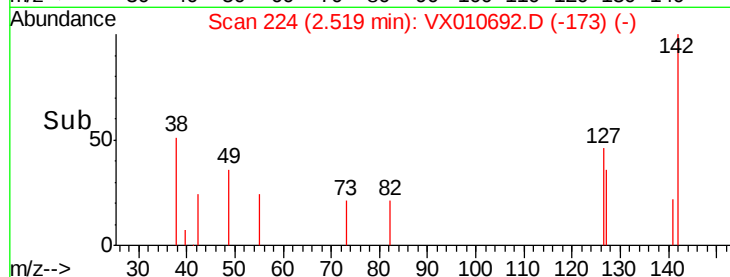
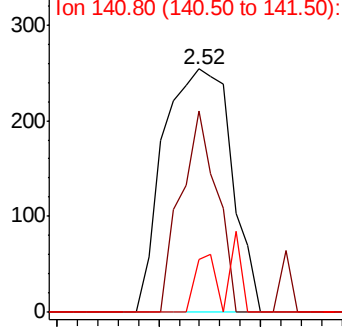
#10
Methvl Iodide
Concen: 0.201 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

Tot Ion:142 Resp: 588
Ion Ratio Lower Upper
142 100
127 43.7 31.1 46.7
141 7.1 11.2 16.8#

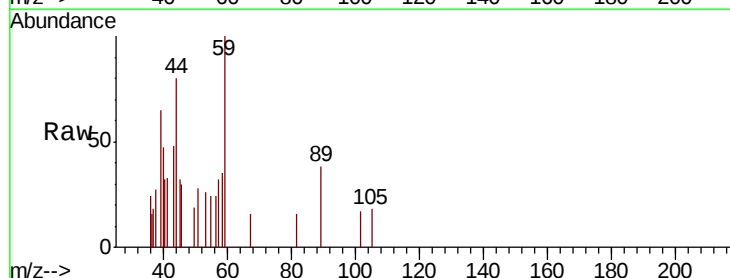


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

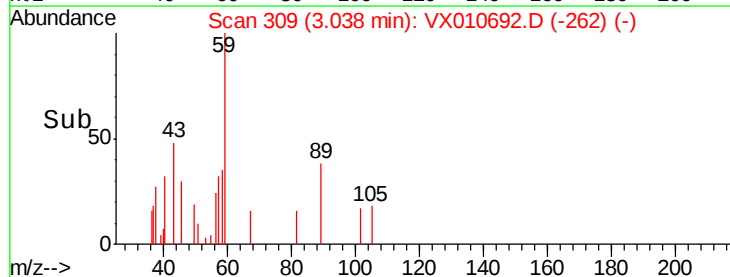
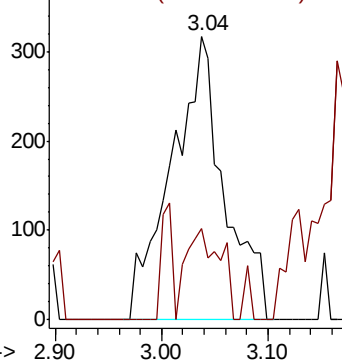


#11
Tert butyl alcohol
Concen: 1.850 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion: 59 Resp: 1093
Ion Ratio Lower Upper
59 100
57 21.0 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: 0.811 ug/l

RT: 2.27 min Scan# 183

Delta R.T. -0.02 min

Lab File: VX010692.D

Acq: 08 Jul 2019 13:52

Instrument :

MSVOA_X

ClientSampleId :

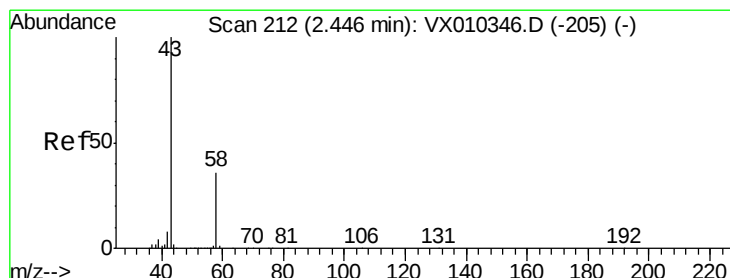
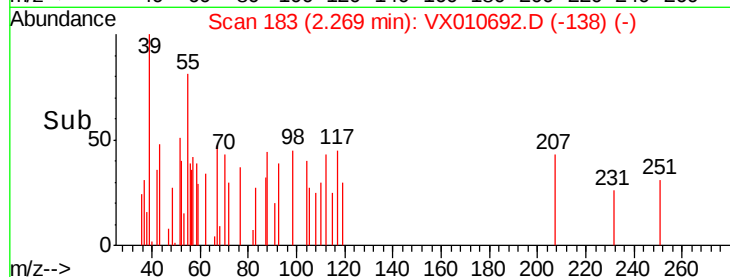
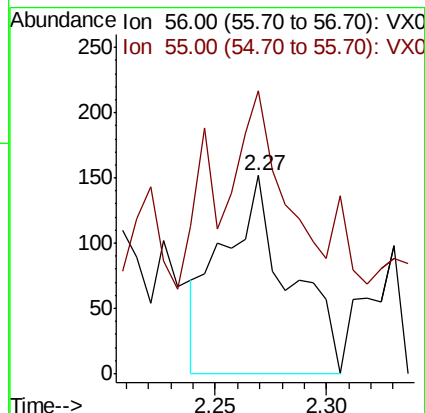
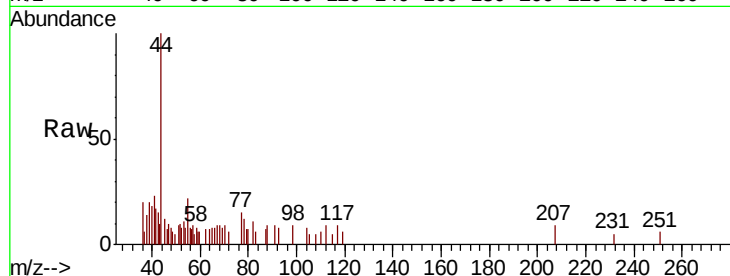
SS037MW036-190701DL

Tot Ion: 56 Resp: 318

Ion Ratio Lower Upper

56 100

55 50.6 56.9 85.3#



#16

Acetone

Concen: 1.169 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010692.D

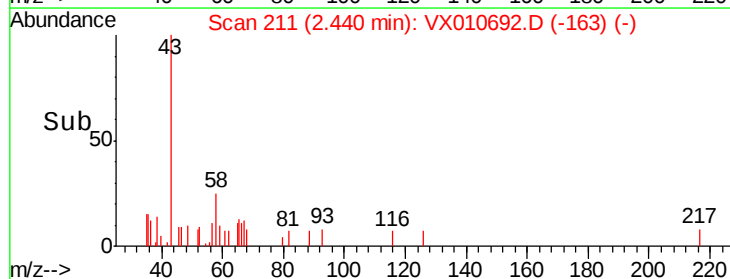
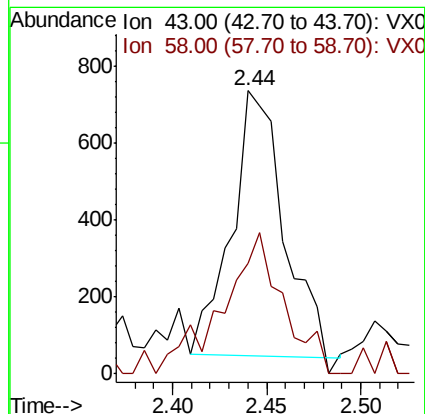
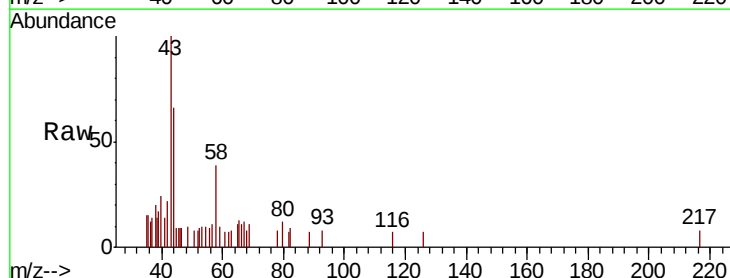
Acq: 08 Jul 2019 13:52

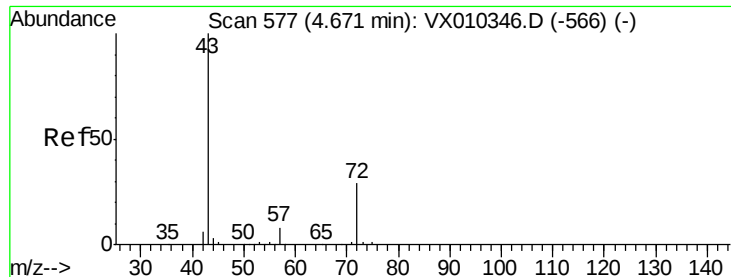
Tgt Ion: 43 Resp: 1323

Ion Ratio Lower Upper

43 100

58 42.0 28.9 43.3





#25

2-Butanone

Concen: 0.285 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010692.D

Acq: 08 Jul 2019 13:52

Instrument :

MSVOA_X

ClientSampleId :

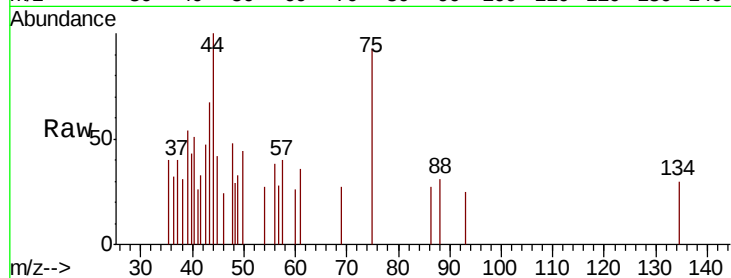
SS037MW036-190701DL

Tot Ion: 43 Resp: 473

Ion Ratio Lower Upper

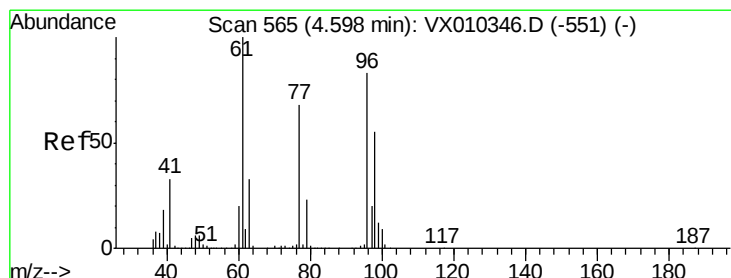
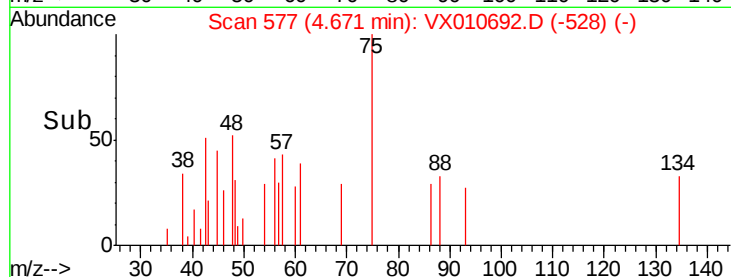
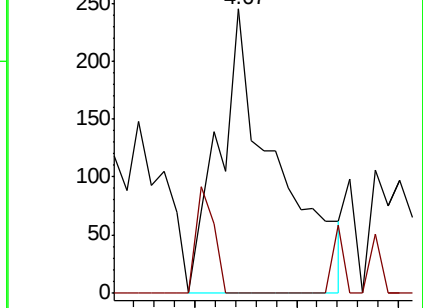
43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 1.558 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX010692.D

Acq: 08 Jul 2019 13:52

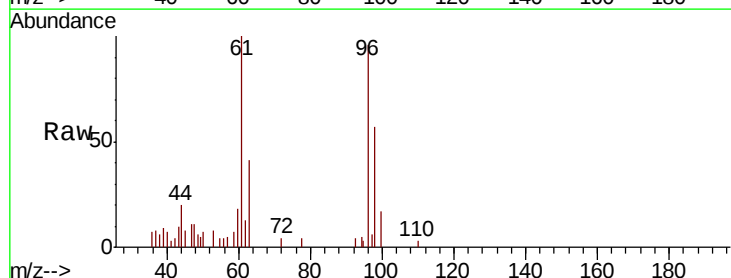
Tgt Ion: 96 Resp: 4041

Ion Ratio Lower Upper

96 100

61 119.1 0.0 251.8

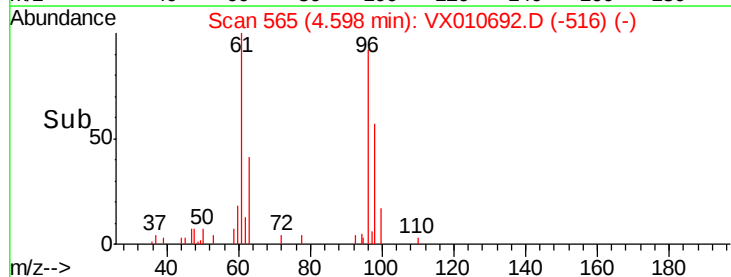
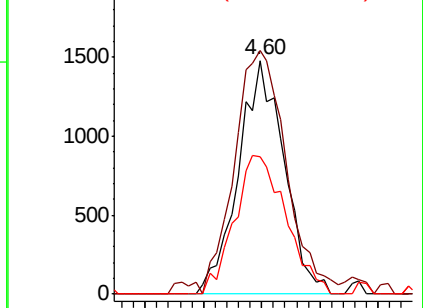
98 67.0 0.0 129.4

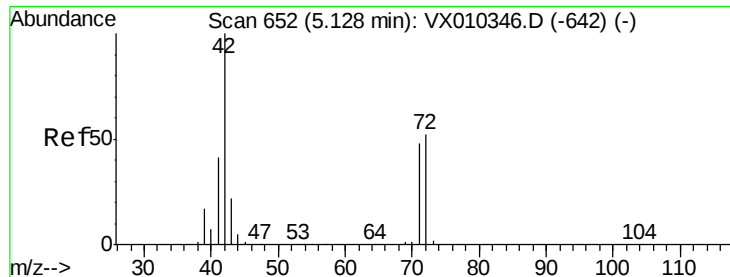


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

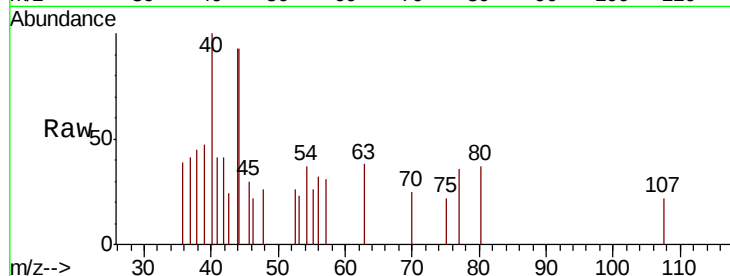




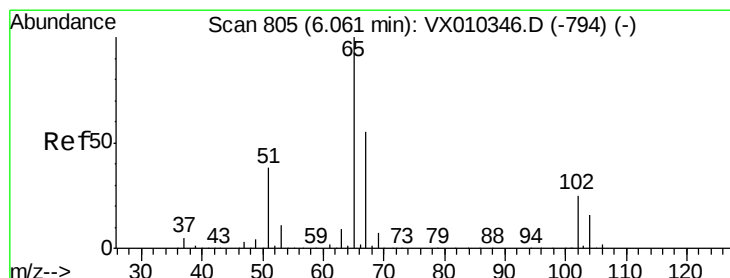
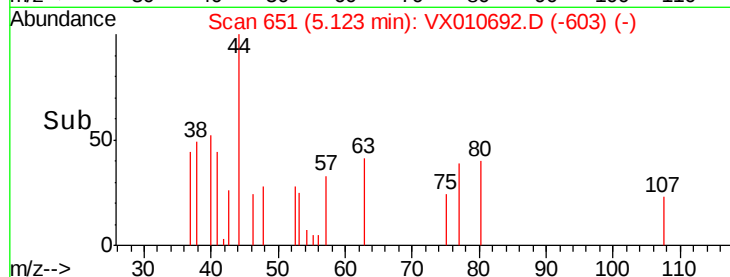
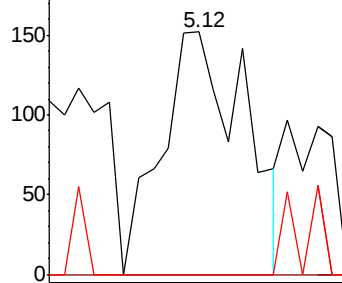
#29
Tetrahydrofuran
Concen: 0.348 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

Tot Ion: 42 Resp: 358
Ion Ratio Lower Upper
42 100
72 0.0 40.6 60.8#
71 0.0 37.8 56.8#

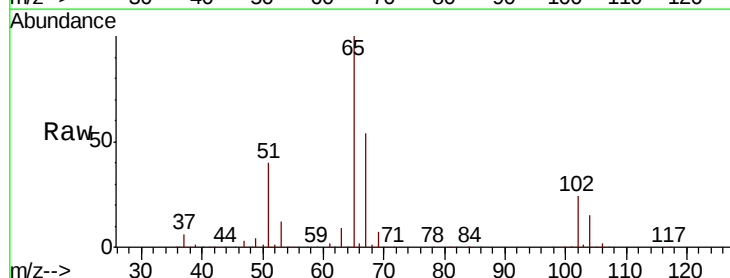


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

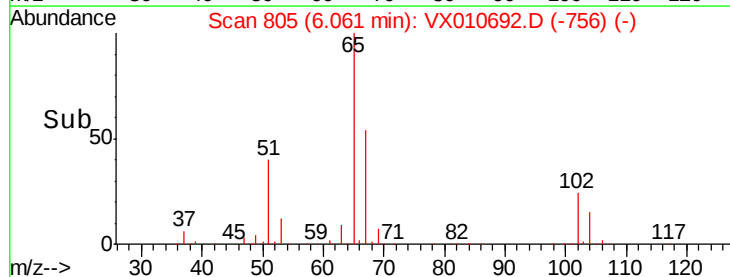
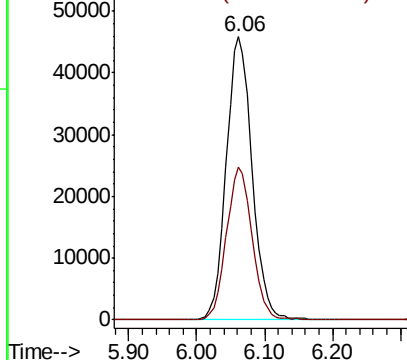


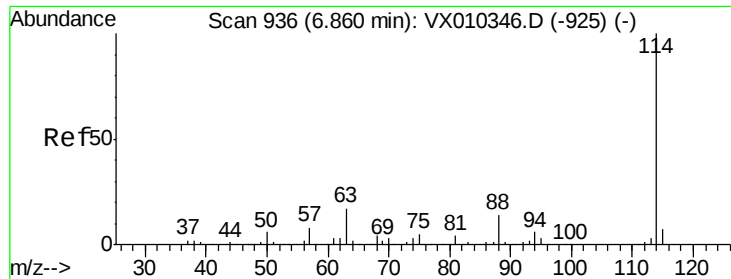
#33
1,2-Dichloroethane-d4
Concen: 53.410 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion: 65 Resp: 120597
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

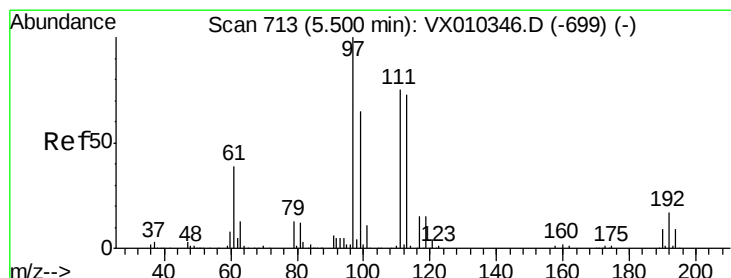
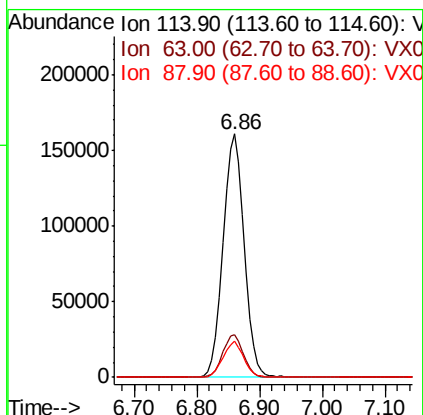
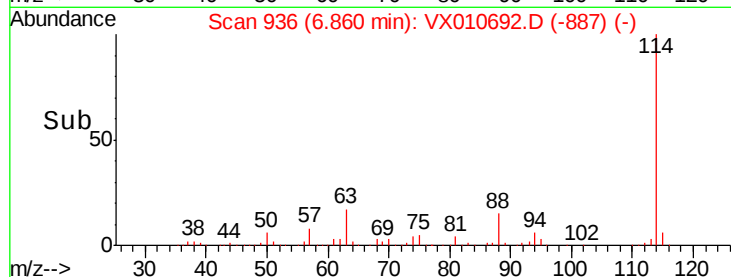
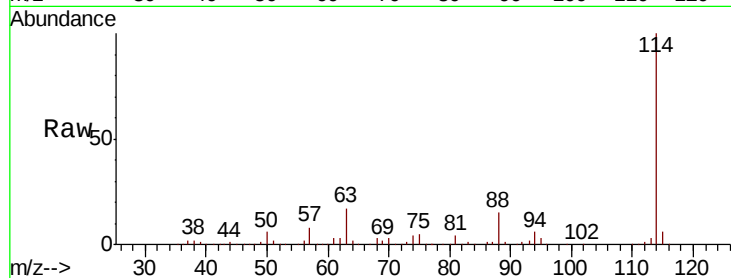




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

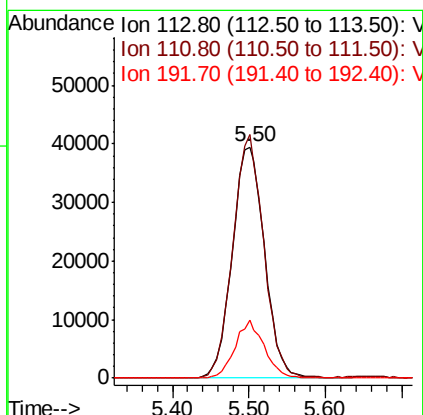
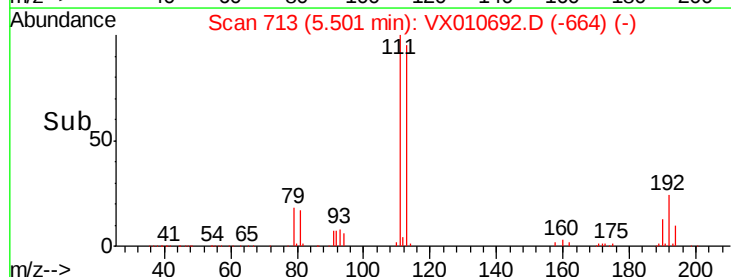
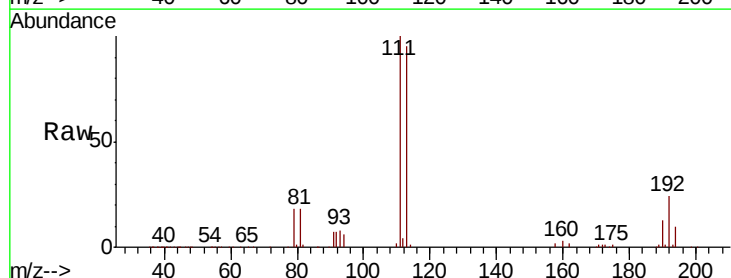
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190701DL

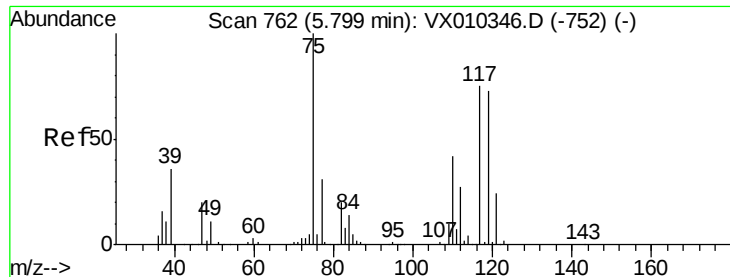
Tot Ion:114 Resp: 373883
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 33.8
 88 14.7 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 50.433 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

Tgt Ion:113 Resp: 115367
 Ion Ratio Lower Upper
 113 100
 111 100.5 81.2 121.8
 192 22.6 18.6 27.8

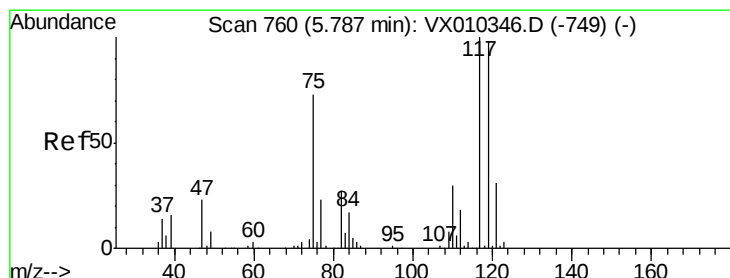
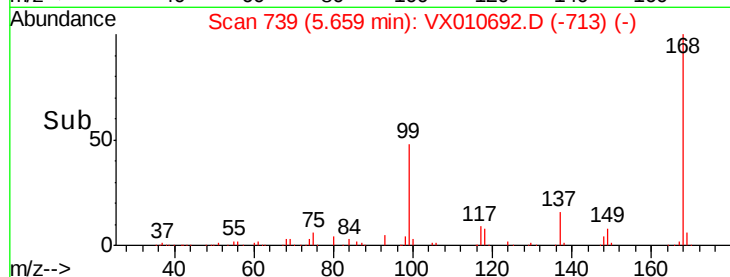
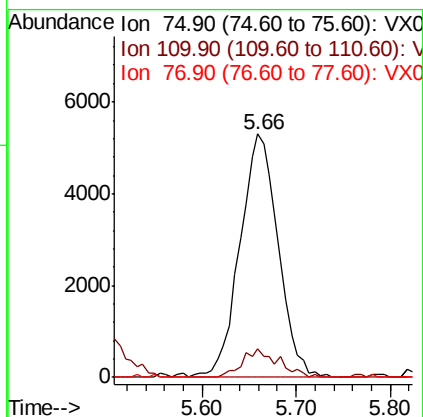
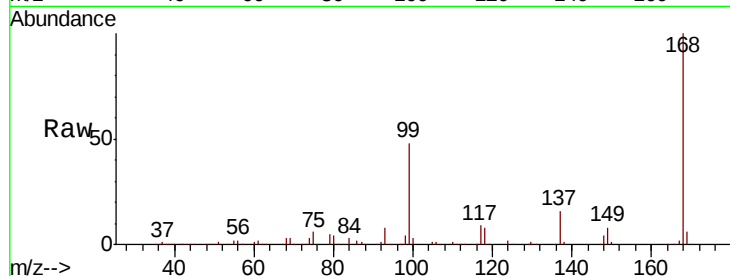




#36
 1,1-Dichloropropene
 Concen: 5.072 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

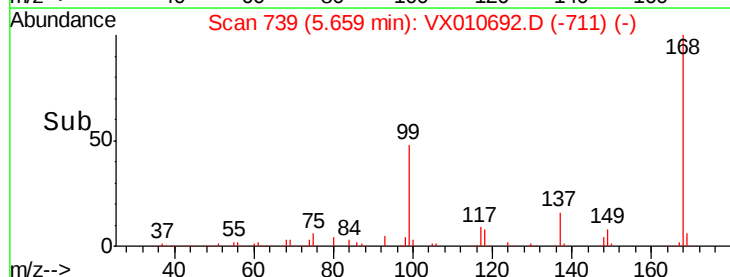
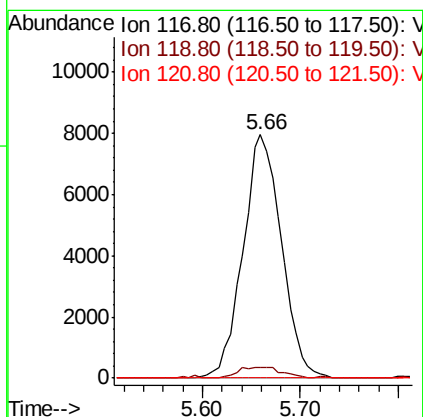
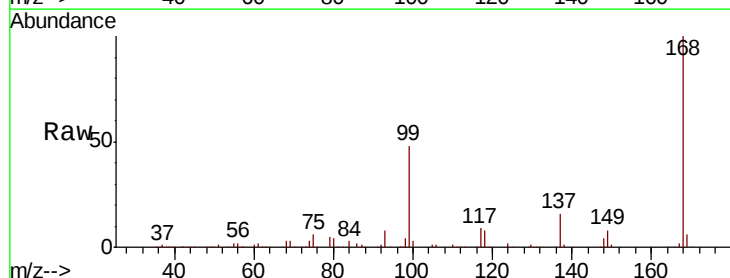
Instrument :
 MSVOA_X
 ClientSampleID :
 SS037MW036-190701DL

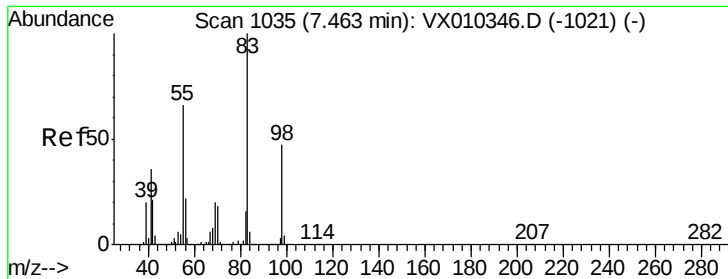
Tot Ion: 75 Resp: 15070
 Ion Ratio Lower Upper
 75 100
 110 11.0 20.8 62.2#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 6.748 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

Tgt Ion: 117 Resp: 21709
 Ion Ratio Lower Upper
 117 100
 119 4.5 78.2 117.4#
 121 0.0 24.7 37.1#

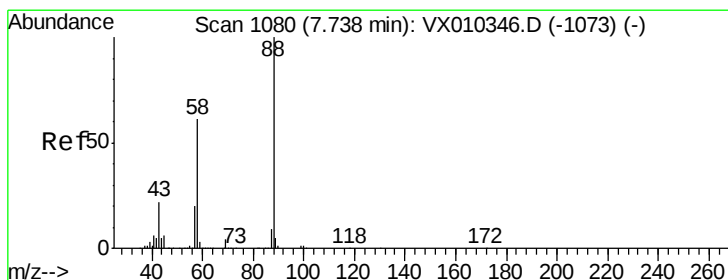
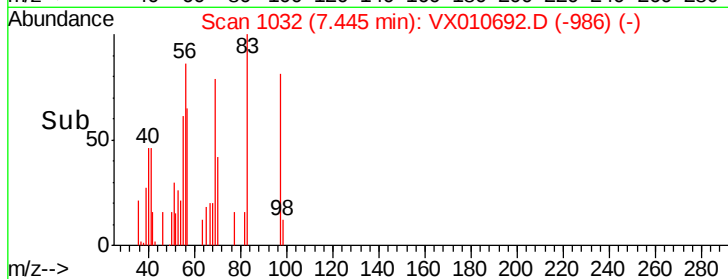
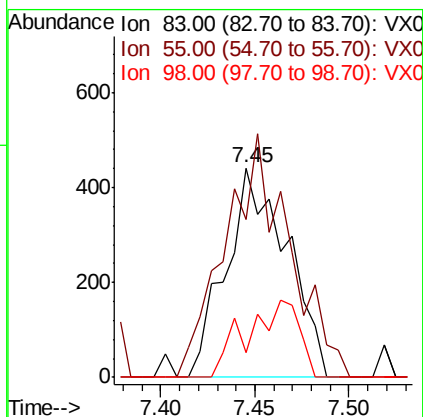
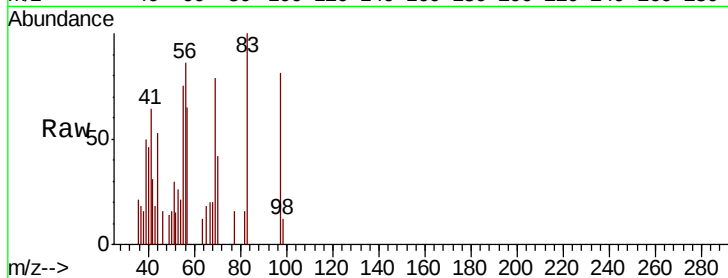




#39
Methylcyclohexane
Concen: 0.253 ug/l
RT: 7.45 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

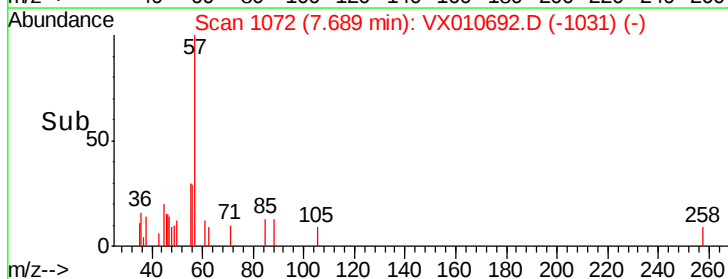
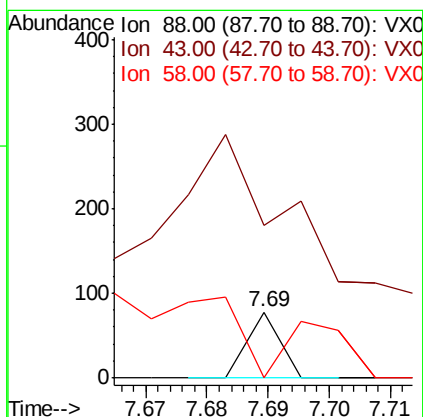
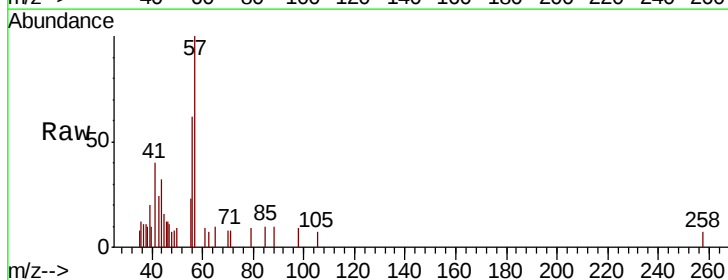
Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

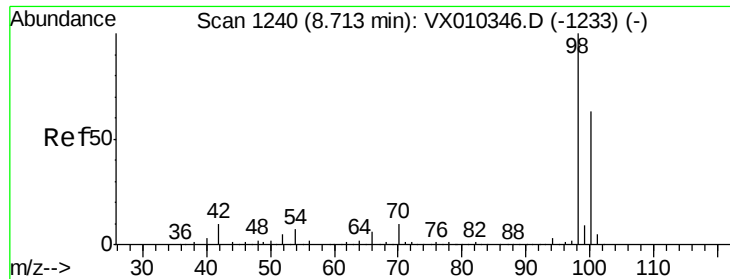
Tot Ion: 83 Resp: 990
Ion Ratio Lower Upper
83 100
55 62.1 53.0 79.6
98 11.8 37.8 56.8#



#49
1,4-Dioxane
Concen: 0.428 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.05 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion: 88 Resp: 29
Ion Ratio Lower Upper
88 100
43 1210.3 20.2 30.2#
58 0.0 49.5 74.3#

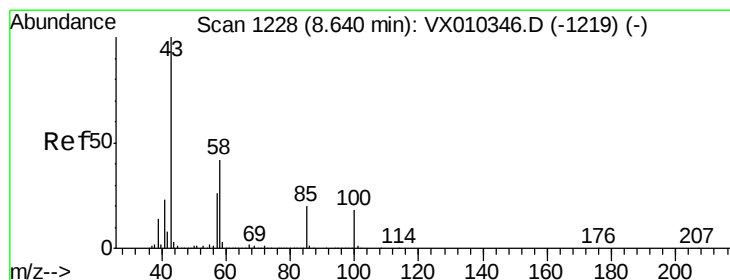
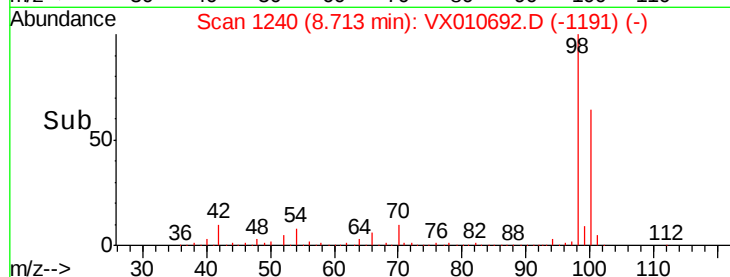
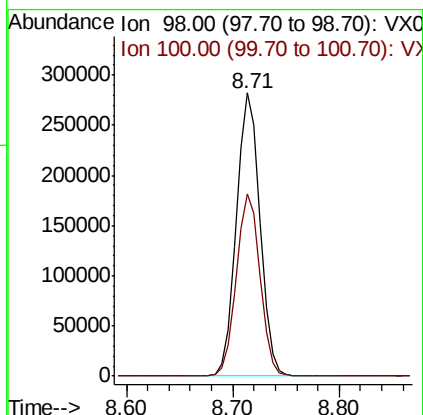
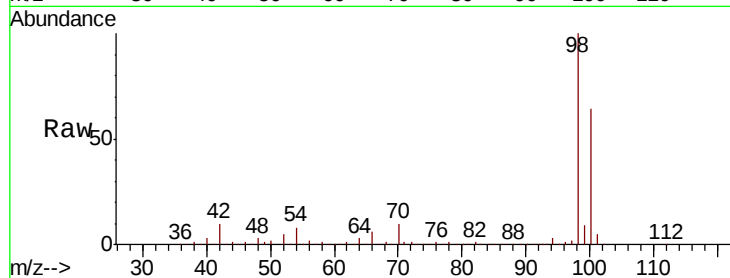




#50
Toluene-d8
Concen: 50.428 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

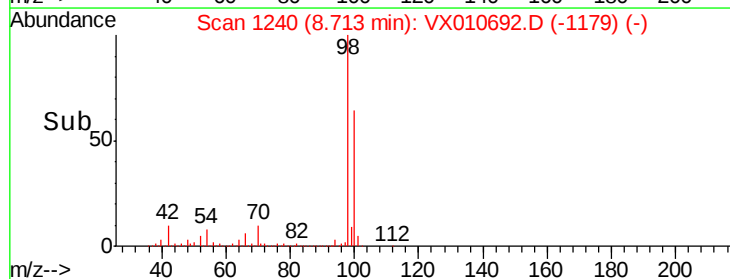
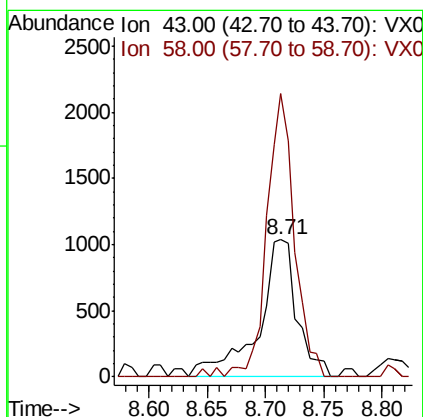
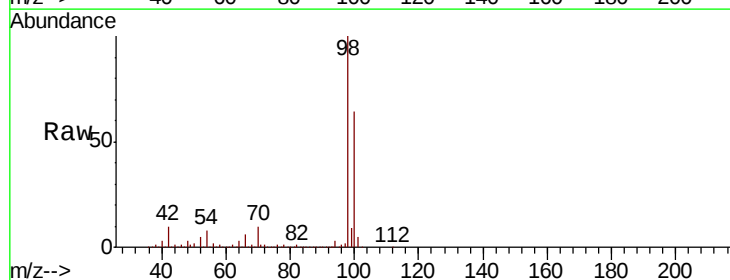
Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

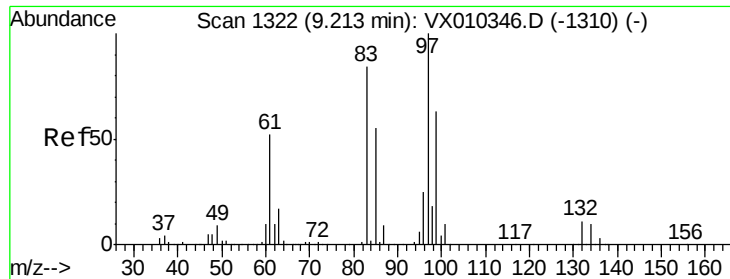
Tot Ion: 98 Resp: 441330
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.744 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
58 146.6 33.5 50.3#

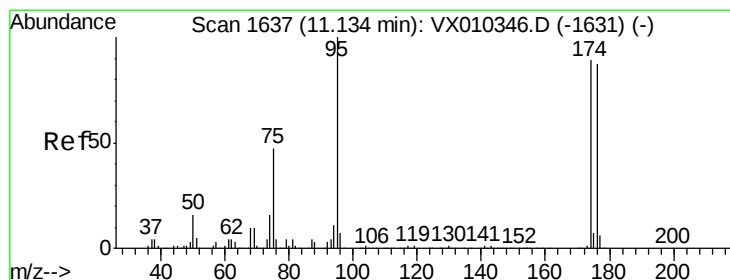
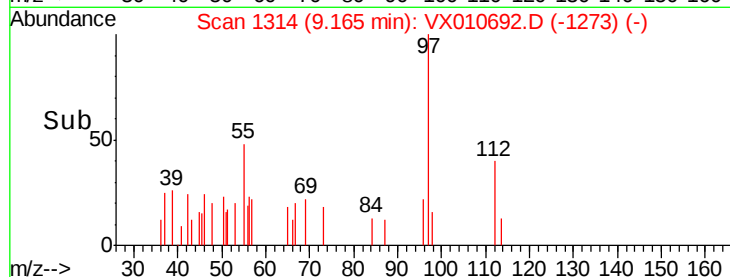
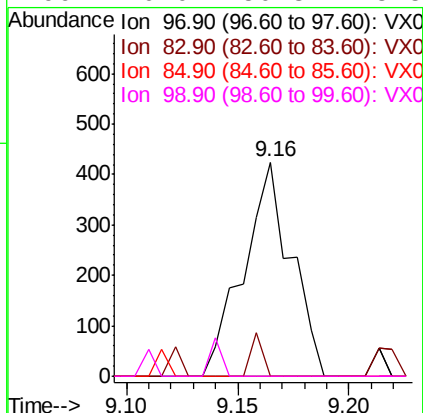
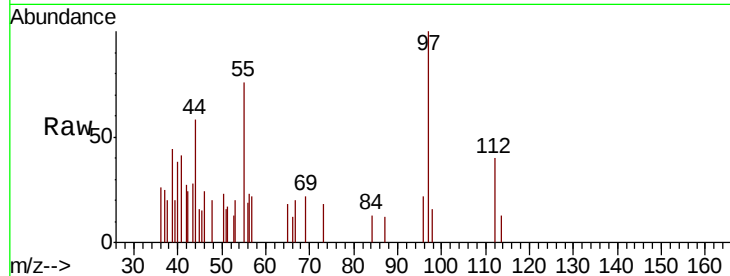




#55
 1,1,2-Trichloroethane
 Concen: 0.249 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

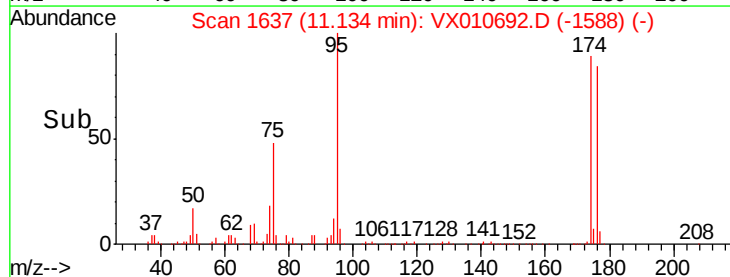
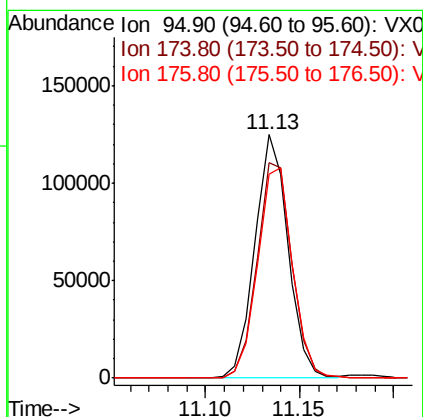
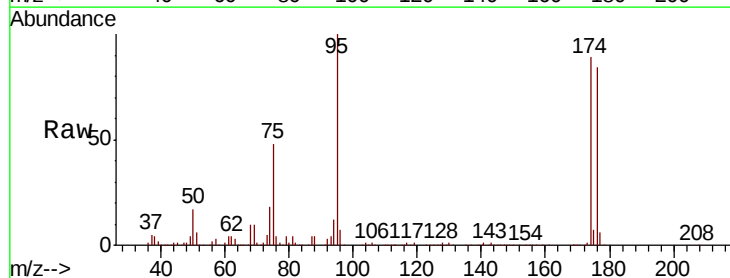
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190701DL

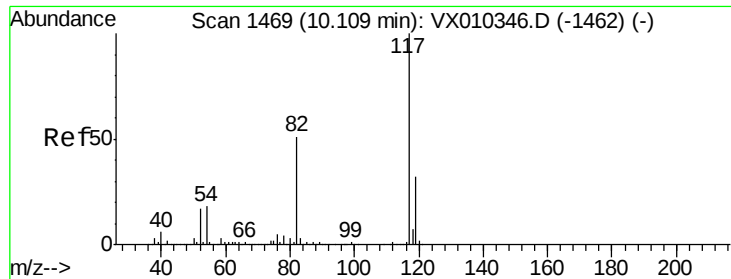
Tot Ion: 97 Resp: 627
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.4 101.0#
 85 0.0 43.8 65.8#
 99 0.0 50.3 75.5#



#62
 4-Bromofluorobenzene
 Concen: 48.212 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

Tgt Ion: 95 Resp: 152333
 Ion Ratio Lower Upper
 95 100
 174 93.5 0.0 187.6
 176 91.0 0.0 184.0

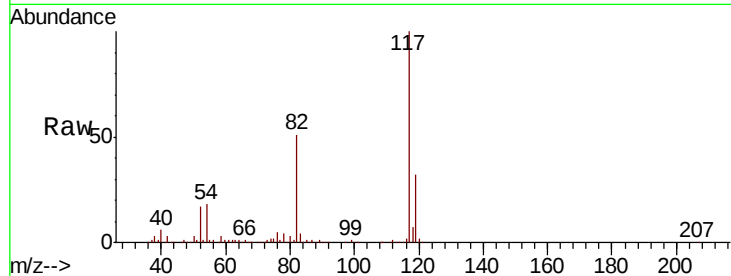




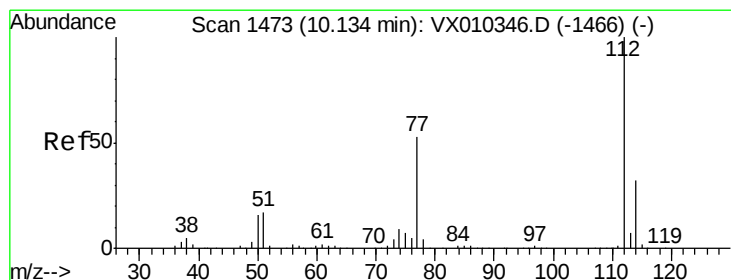
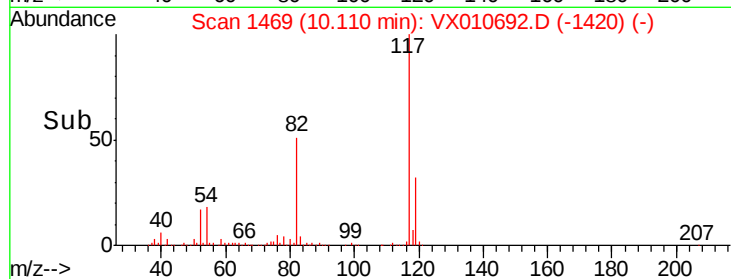
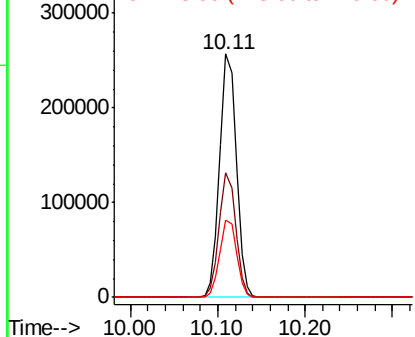
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

Tot Ion:117 Resp: 341475
Ion Ratio Lower Upper
117 100
82 51.1 41.2 61.8
119 31.5 25.5 38.3

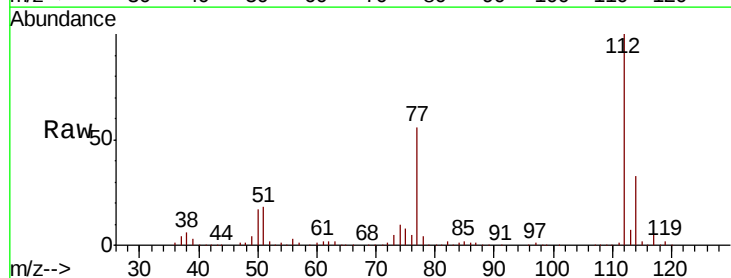


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

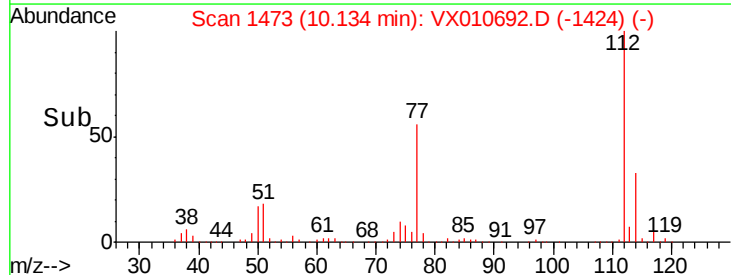
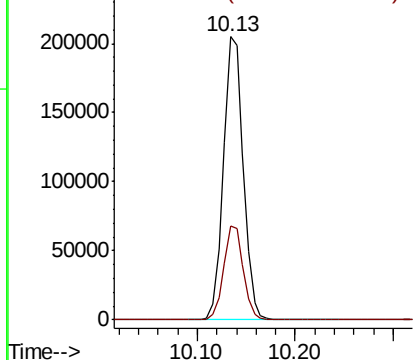


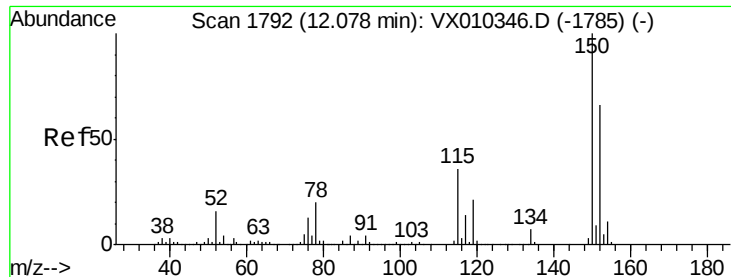
#65
Chlorobenzene
Concen: 41.417 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion:112 Resp: 287127
Ion Ratio Lower Upper
112 100
114 33.3 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: VX010692.D

Acq: 08 Jul 2019 13:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190701DL

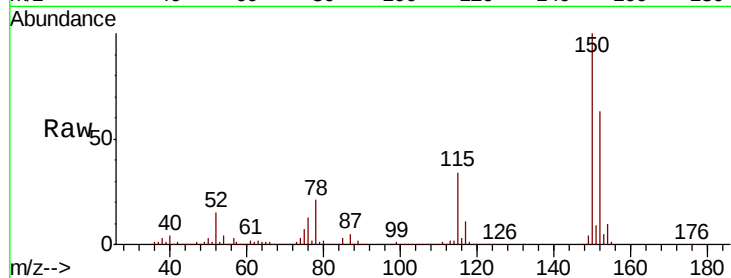
Tot Ion:152 Resp: 158053

Ion Ratio Lower Upper

152 100

115 55.9 38.6 115.7

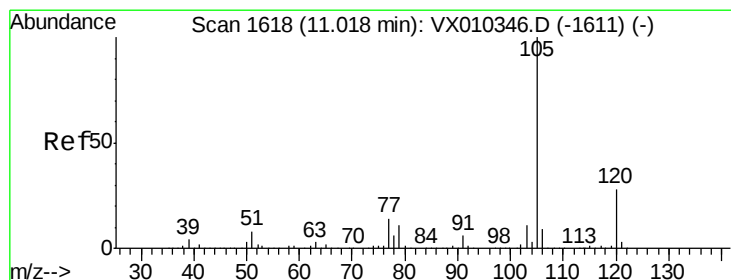
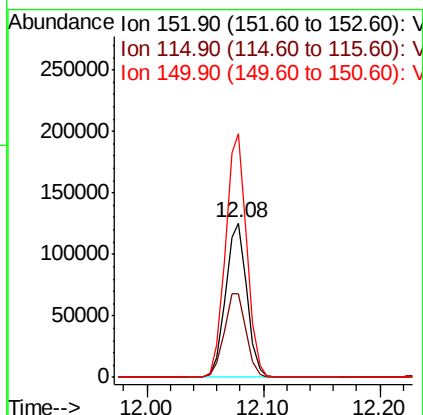
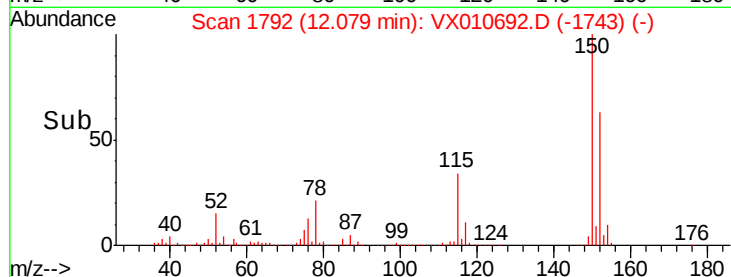
150 157.3 0.0 347.4



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: 0.303 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010692.D

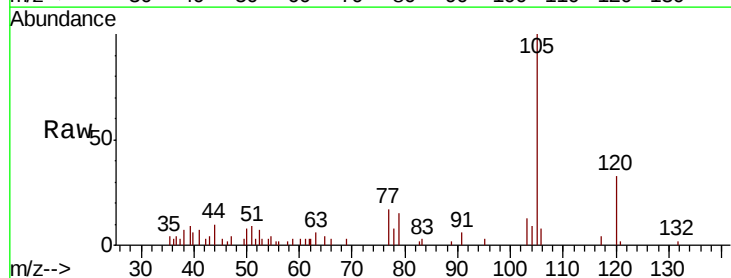
Acq: 08 Jul 2019 13:52

Tgt Ion:105 Resp: 3249

Ion Ratio Lower Upper

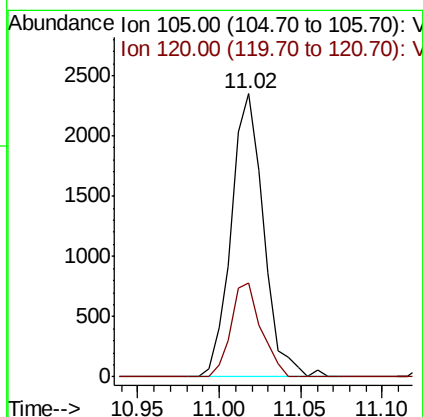
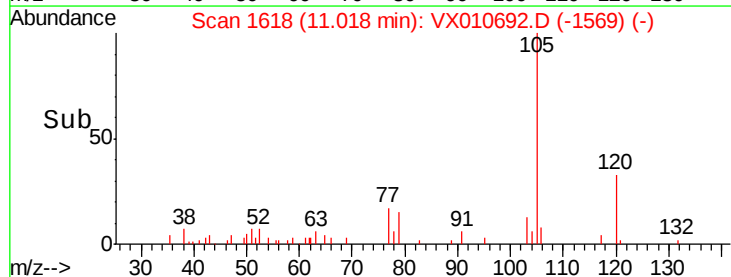
105 100

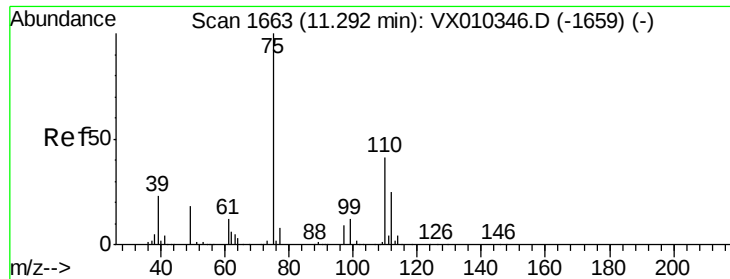
120 30.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

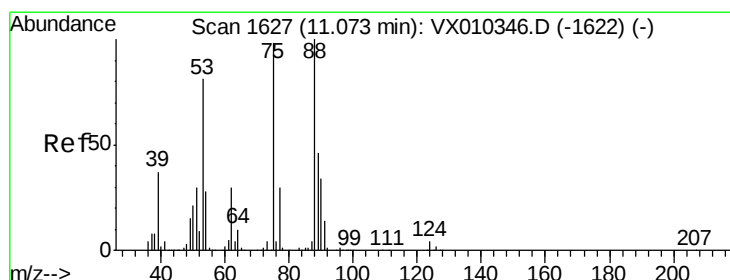
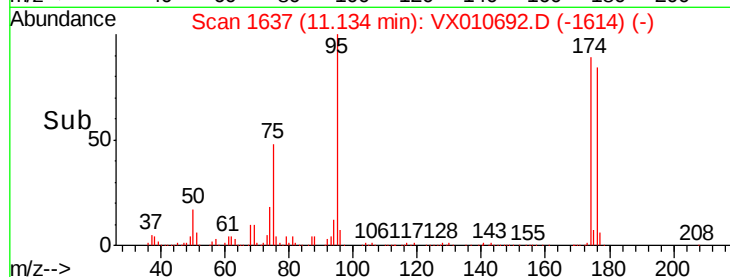
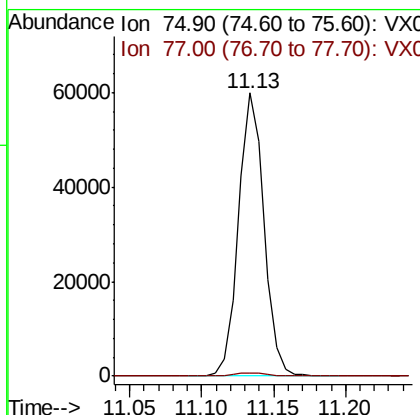
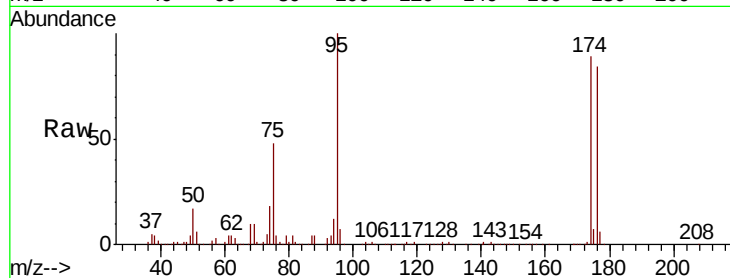




#76
 1,2,3-Trichloropropane
 Concen: 25.600 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

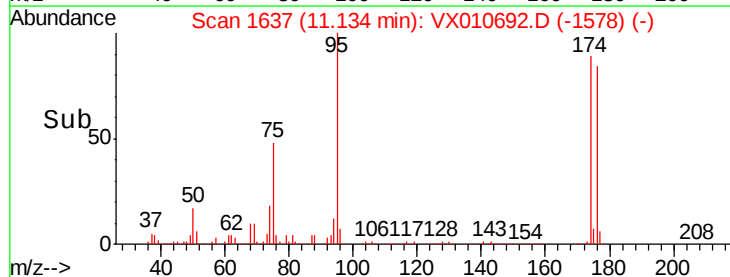
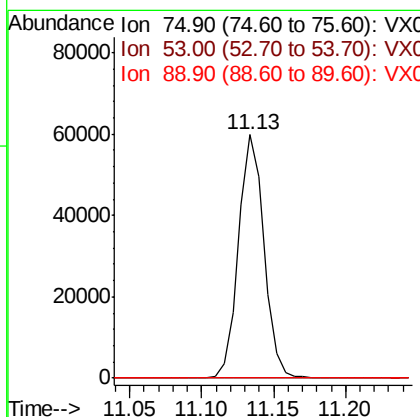
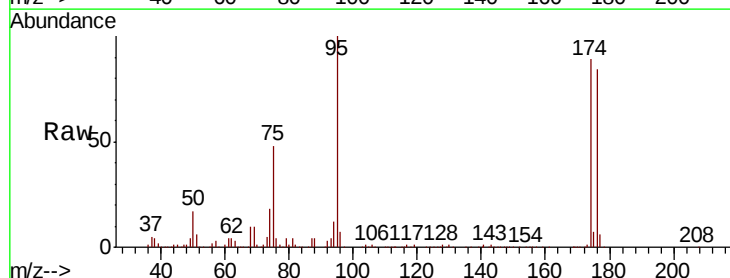
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW036-190701DL

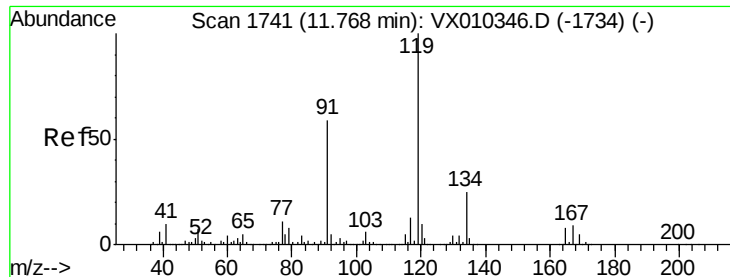
Tot Ion: 75 Resp: 73731
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.6 67.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.722 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010692.D
 Acq: 08 Jul 2019 13:52

Tgt Ion: 75 Resp: 73731
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.1 99.1#
 89 0.1 37.8 56.6#

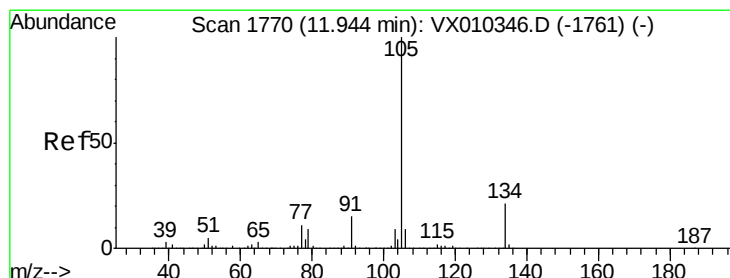
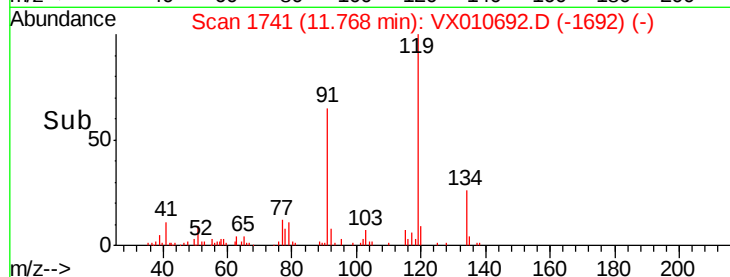
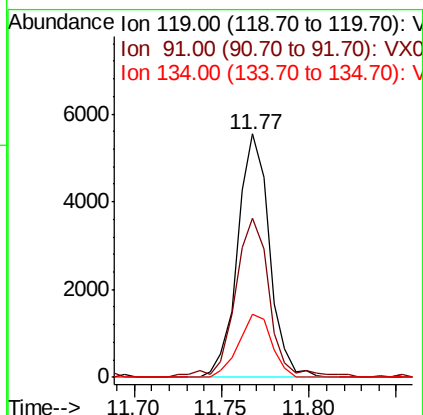
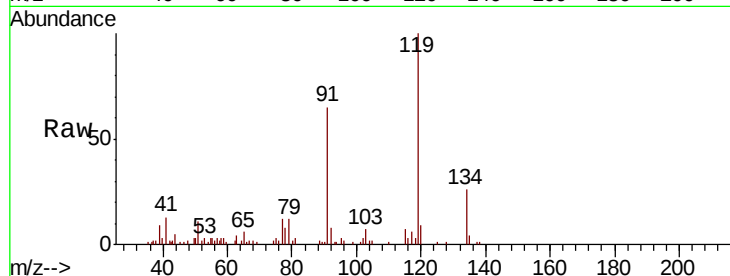




#83
tert-Butylbenzene
Concen: 0.792 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

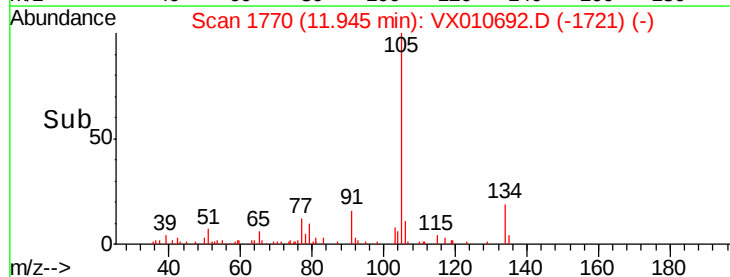
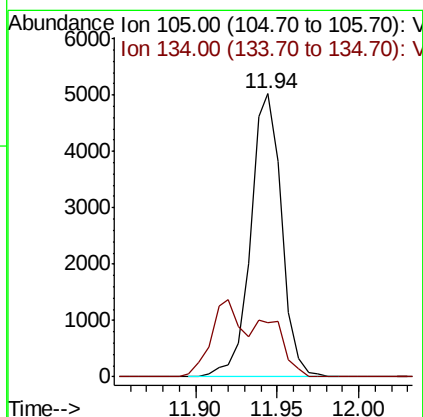
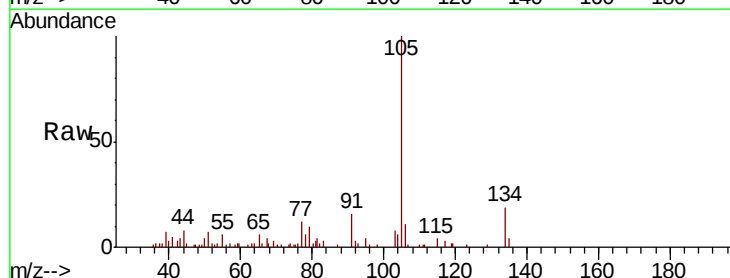
Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

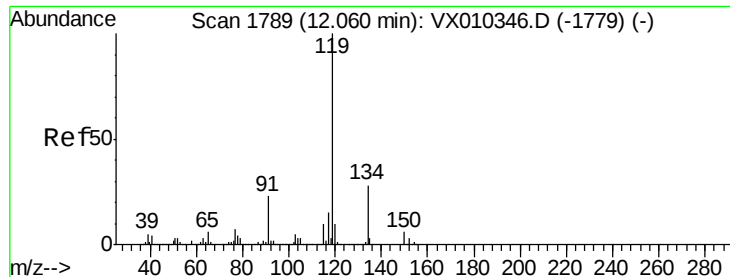
Tot Ion:119 Resp: 7018
Ion Ratio Lower Upper
119 100
91 70.4 27.6 82.7
134 26.6 11.8 35.4



#85
sec-Butylbenzene
Concen: 0.637 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion:105 Resp: 6635
Ion Ratio Lower Upper
105 100
134 18.8 10.7 31.9

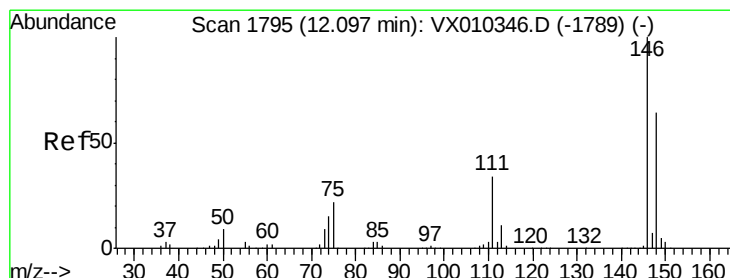
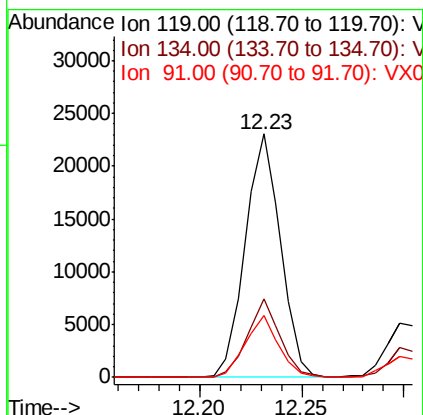
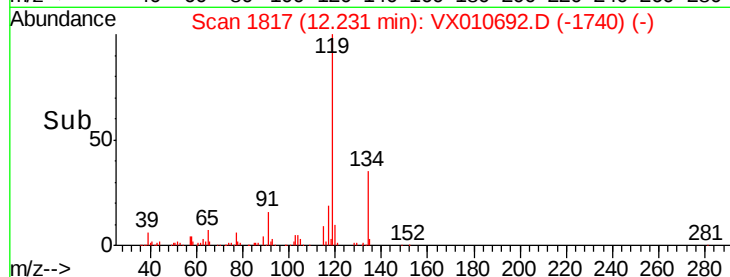
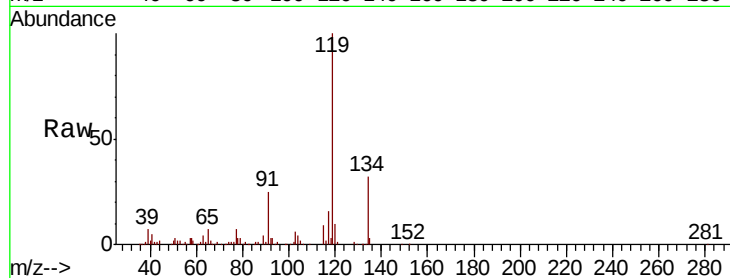




#86
p-Isopropyltoluene
Concen: 2.881 ug/l
RT: 12.23 min Scan# 1817
Delta R.T. 0.17 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

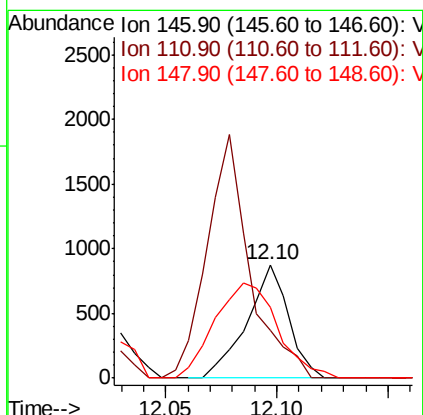
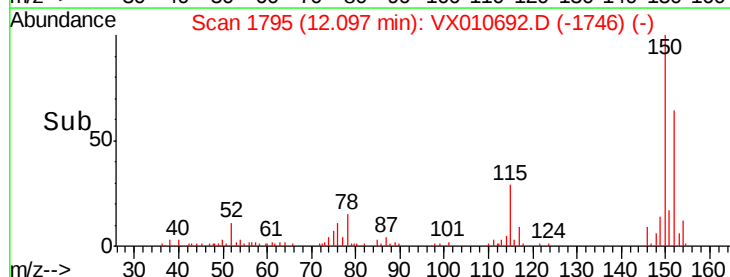
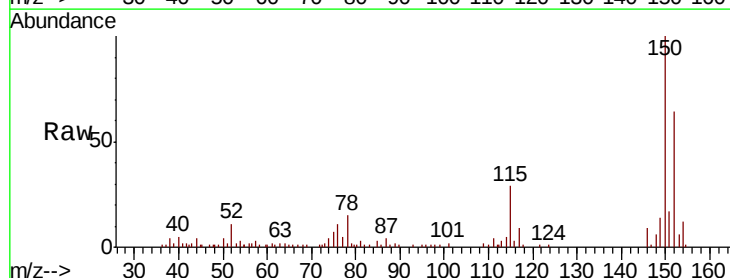
Instrument :
MSVOA_X
ClientSampleId :
SS037MW036-190701DL

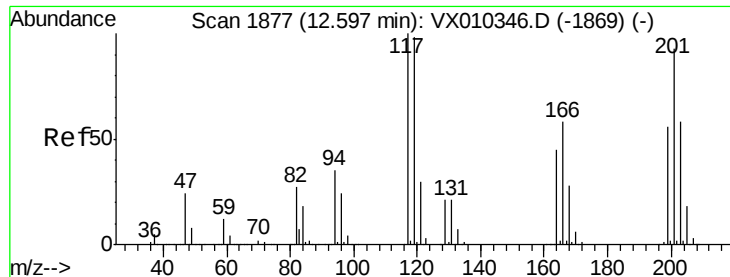
Tot Ion:119 Resp: 27740
Ion Ratio Lower Upper
119 100
134 29.8 13.7 41.1
91 24.4 11.3 33.8



#88
1,4-Dichlorobenzene
Concen: 0.214 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010692.D
Acq: 08 Jul 2019 13:52

Tgt Ion:146 Resp: 1140
Ion Ratio Lower Upper
146 100
111 219.1 18.1 54.3#
148 126.4 32.1 96.3#





#90

Hexachloroethane

Concen: 2.954 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX010692.D

Acq: 08 Jul 2019 13:52

Instrument :

MSVOA_X

ClientSampleId :

SS037MW036-190701DL

Tot Ion:117 Resp: 4917

Ion Ratio Lower Upper

117 100

201 0.0 44.0 131.8#

