

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070819\
 Data File : VX010696.D
 Acq On : 08 Jul 2019 15:26
 Operator : JC/SP
 Sample : K3669-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW218-190702

Quant Time: Jul 09 01:09:03 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	226572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354960	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	324938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150425	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	113820	53.58	ug/l	0.00
Spiked Amount			Recovery	=	107.16%	
35) Dibromofluoromethane	5.50	113	109551	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	8.71	98	419561	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.13	95	141987	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	

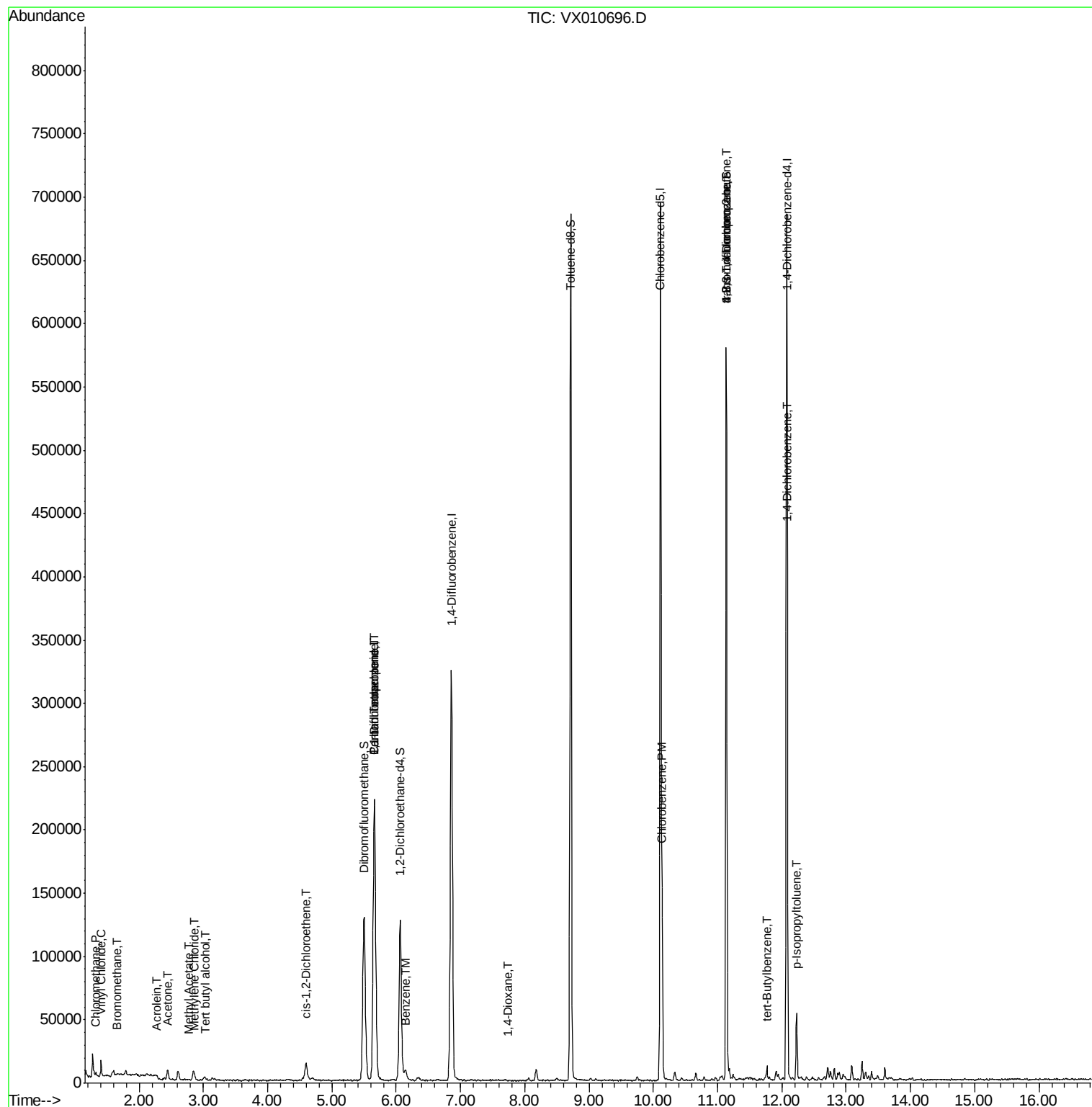
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	2104	1.147	ug/l	91
4) Vinyl Chloride	1.41	62	8180	4.072	ug/l	94
5) Bromomethane	1.66	94	558	0.570	ug/l	89
11) Tert butyl alcohol	3.03	59	2001	3.600	ug/l #	77
13) Acrolein	2.28	56	178	0.483	ug/l #	14
16) Acetone	2.44	43	8410	7.899	ug/l	97
18) Methyl Acetate	2.78	43	724	0.341	ug/l #	89
20) Methylene Chloride	2.87	84	459	0.209	ug/l #	52
27) cis-1,2-Dichloroethene	4.60	96	8864	3.632	ug/l	91
36) 1,1-Dichloropropene	5.67	75	14904	5.284	ug/l #	47
38) Carbon Tetrachloride	5.67	117	21013	6.879	ug/l #	14
40) Benzene	6.13	78	9449	1.075	ug/l #	89
49) 1,4-Dioxane	7.75	88	89	1.384	ug/l #	50
65) Chlorobenzene	10.14	112	58674	8.894	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	70002	25.538	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	70002	59.576	ug/l #	16
83) tert-Butylbenzene	11.77	119	3519	0.417	ug/l	80
86) p-Isopropyltoluene	12.23	119	22417	2.446	ug/l	97
88) 1,4-Dichlorobenzene	12.09	146	1749	0.346	ug/l #	3

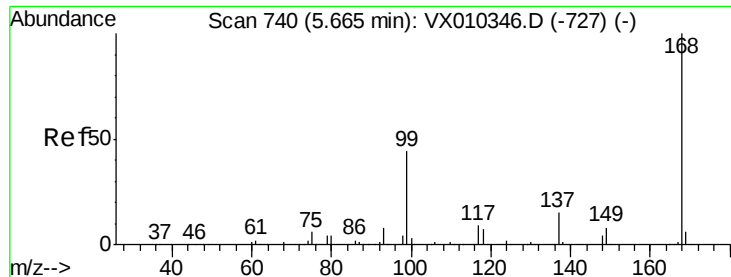
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

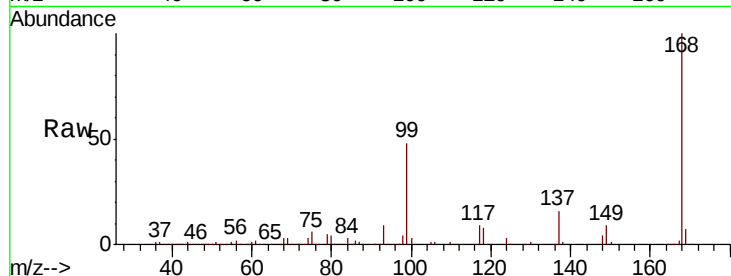
SS037MW218-190702

Tot Ion:168 Resp: 226572

Ion Ratio Lower Upper

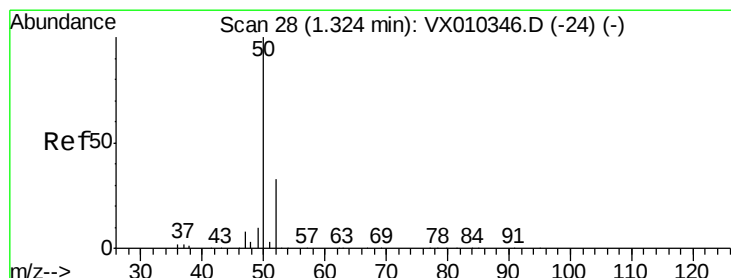
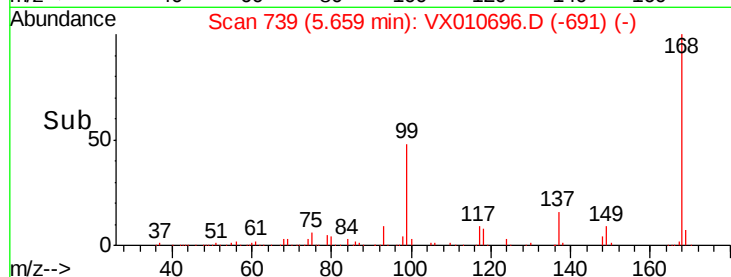
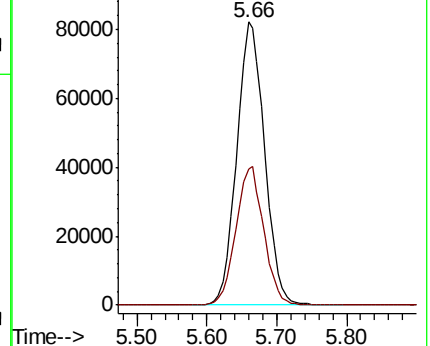
168 100

99 48.0 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: 1.147 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010696.D

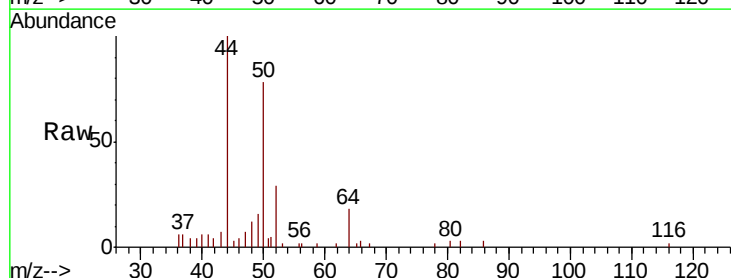
Acq: 08 Jul 2019 15:26

Tgt Ion: 50 Resp: 2104

Ion Ratio Lower Upper

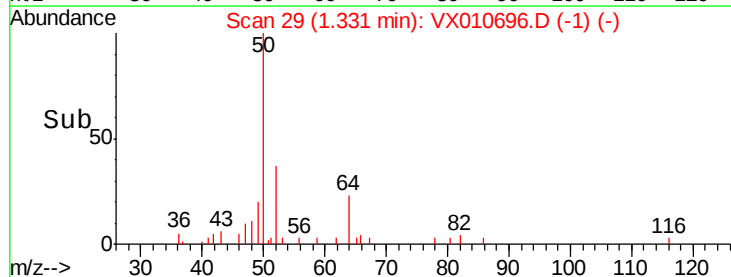
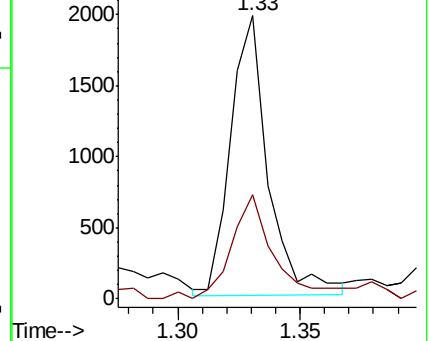
50 100

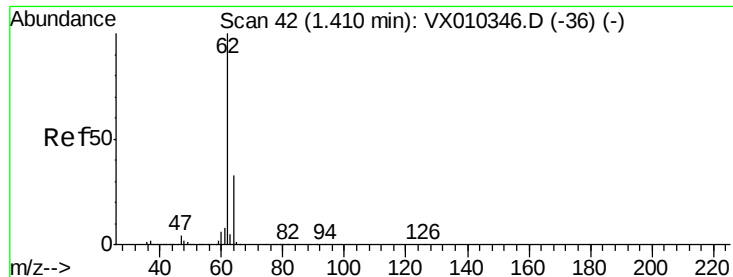
52 38.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 4.072 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

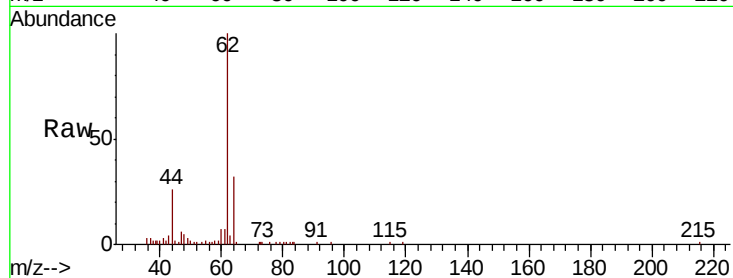
SS037MW218-190702

Tot Ion: 62 Resp: 8180

Ion Ratio Lower Upper

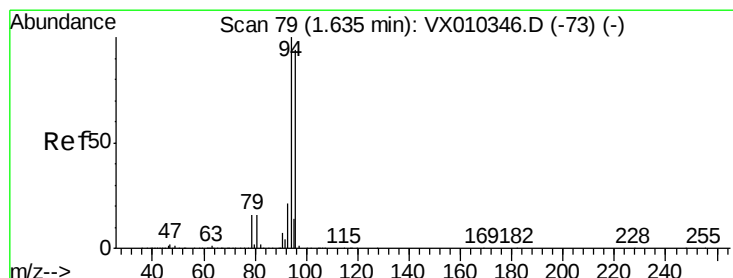
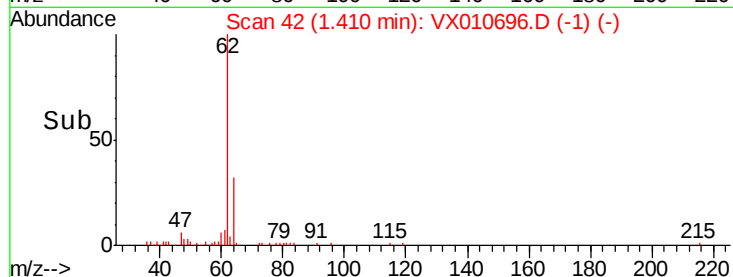
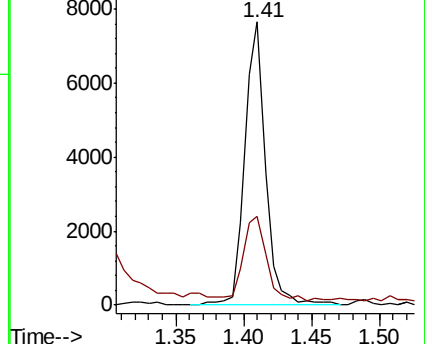
62 100

64 29.2 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: 0.570 ug/l

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX010696.D

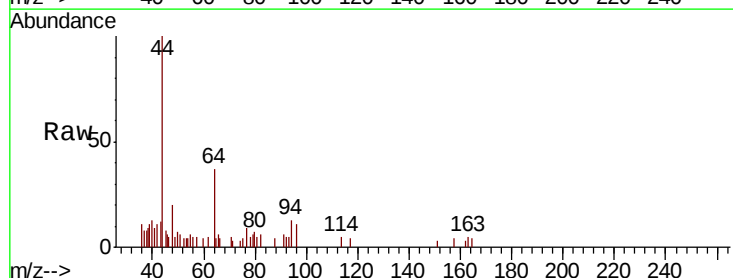
Acq: 08 Jul 2019 15:26

Tgt Ion: 94 Resp: 558

Ion Ratio Lower Upper

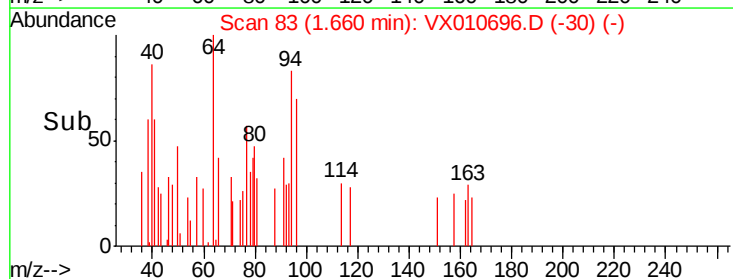
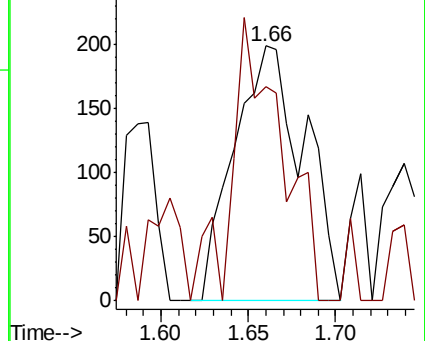
94 100

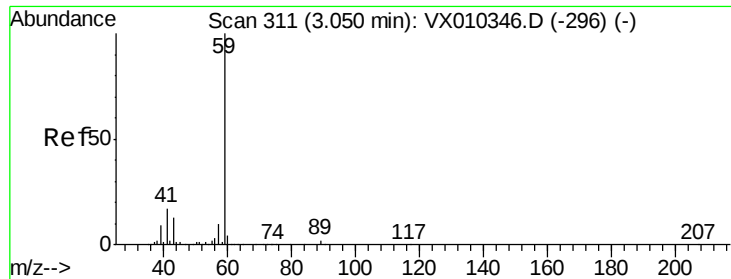
96 83.9 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

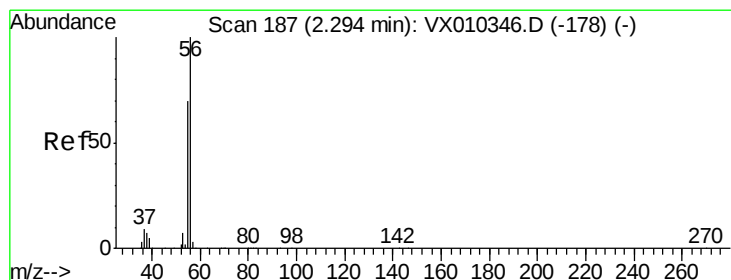
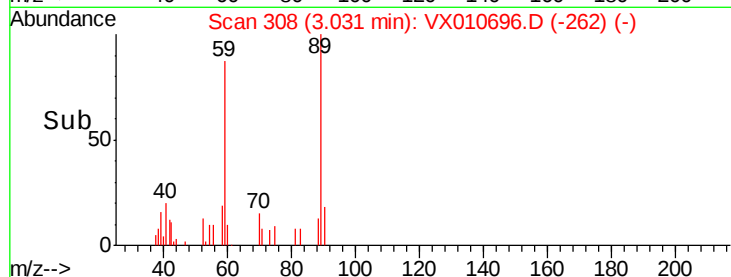
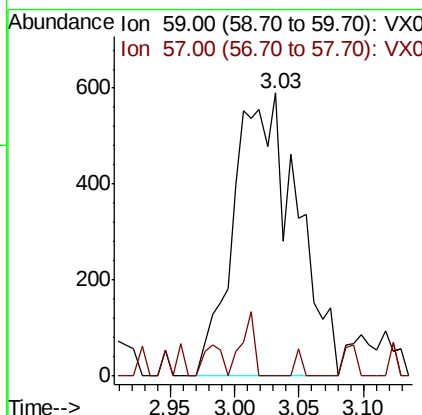
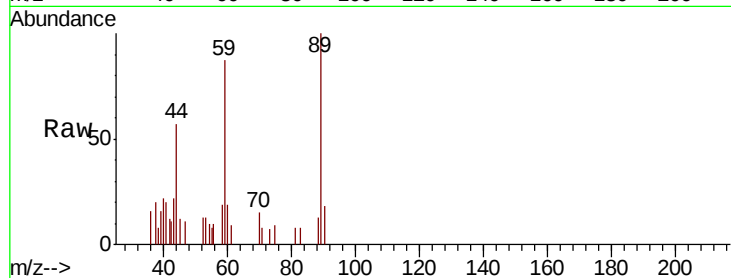




#11
Tert butyl alcohol
Concen: 3.600 ug/l
RT: 3.03 min Scan# 308
Delta R.T. -0.02 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

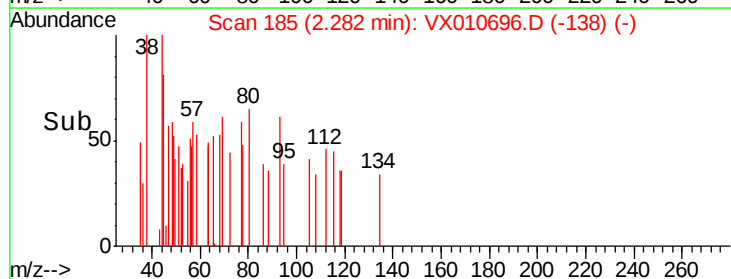
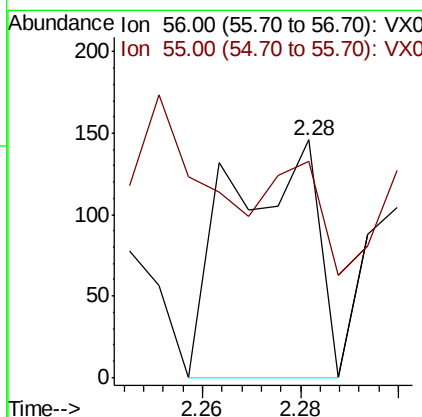
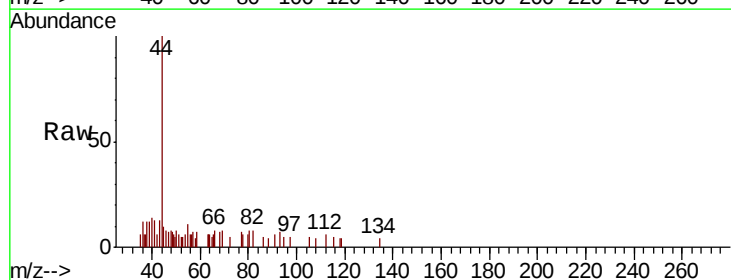
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

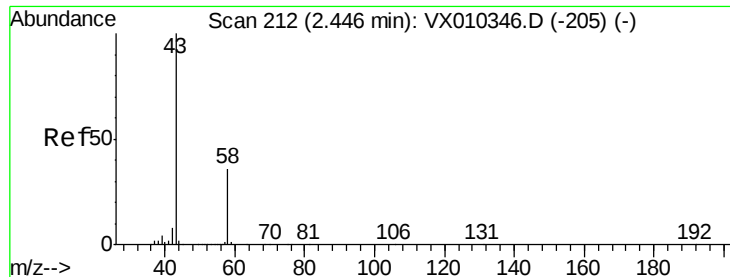
Tot Ion: 59 Resp: 2001
Ion Ratio Lower Upper
59 100
57 1.0 7.7 11.5#



#13
Acrolein
Concen: 0.483 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#





#16

Acetone

Concen: 7.899 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

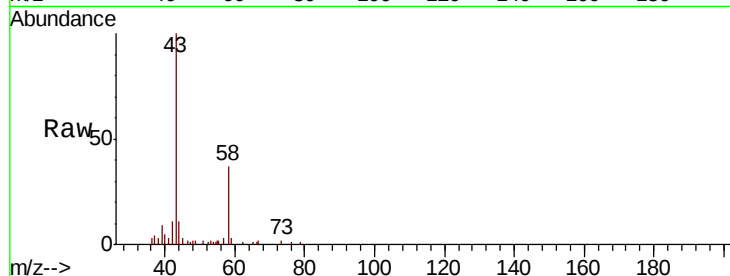
SS037MW218-190702

Tot Ion: 43 Resp: 8410

Ion Ratio Lower Upper

43 100

58 34.3 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

5000

4000

3000

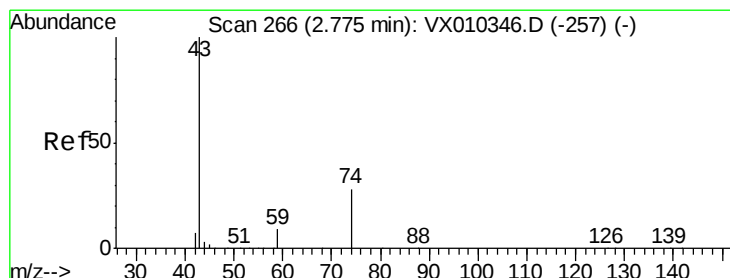
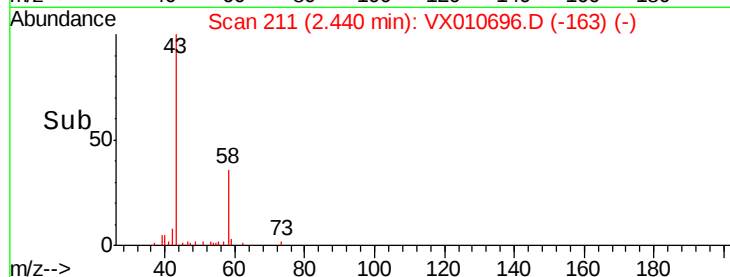
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 0.341 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010696.D

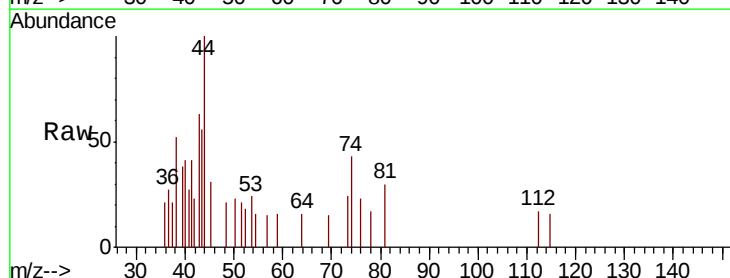
Acq: 08 Jul 2019 15:26

Tgt Ion: 43 Resp: 724

Ion Ratio Lower Upper

43 100

74 21.0 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

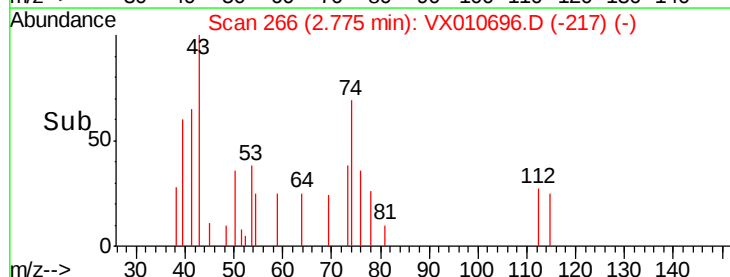
1000

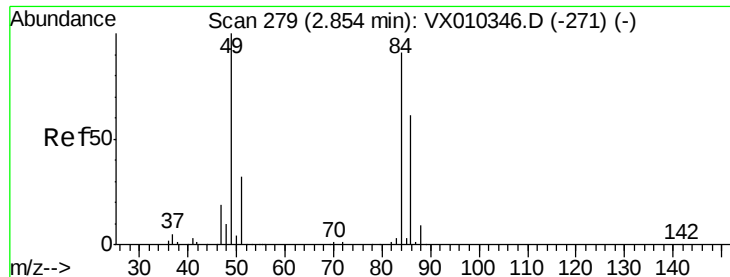
500

0

Time-->

2.75 2.80

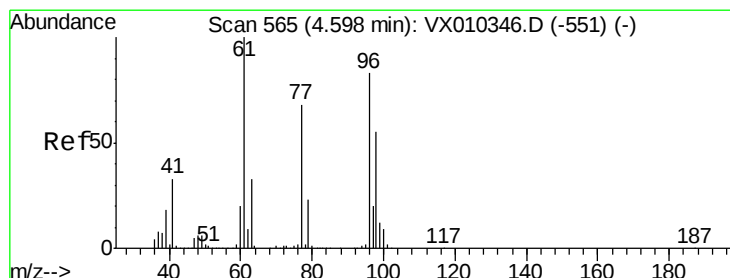
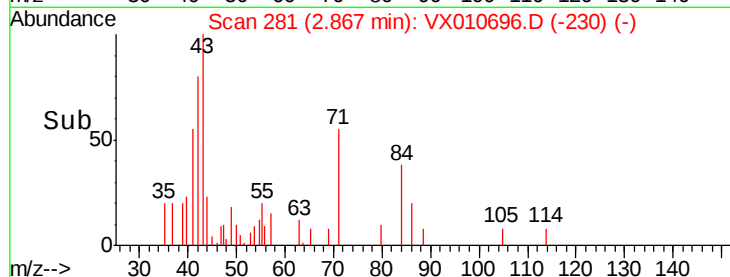
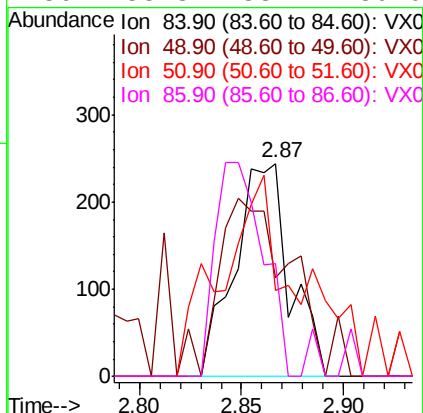
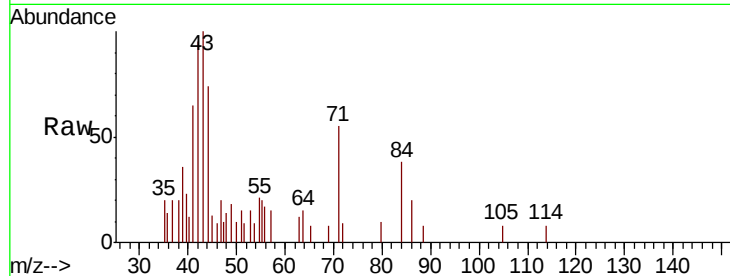




#20
Methvlene Chloride
Concen: 0.209 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

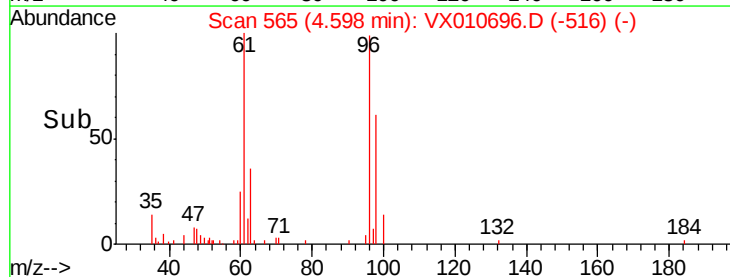
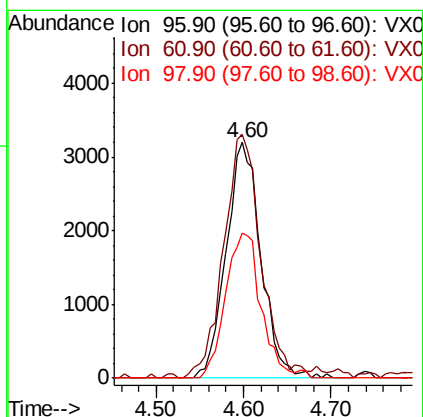
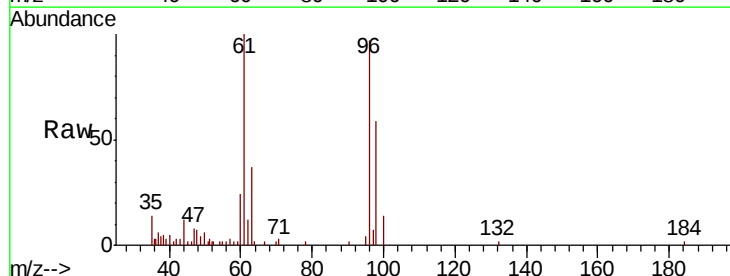
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

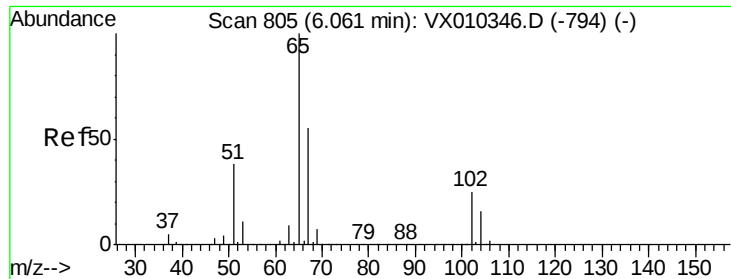
Tot Ion: 84 Resp: 459
Ion Ratio Lower Upper
84 100
49 23.8 87.5 131.3#
51 36.1 27.7 41.5
86 53.3 53.4 80.0#



#27
cis-1,2-Dichloroethene
Concen: 3.632 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Tgt Ion: 96 Resp: 8864
Ion Ratio Lower Upper
96 100
61 111.0 0.0 251.8
98 62.7 0.0 129.4





#33

1,2-Dichloroethane-d4

Concen: 53.579 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

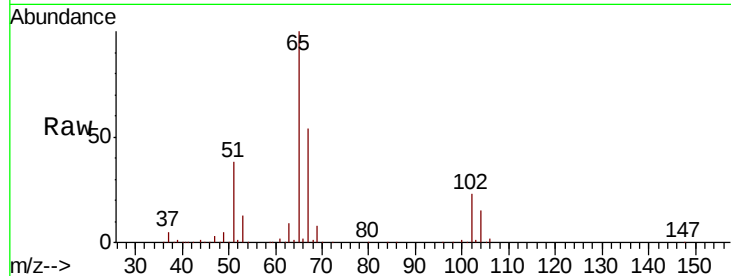
SS037MW218-190702

Tot Ion: 65 Resp: 113820

Ion Ratio Lower Upper

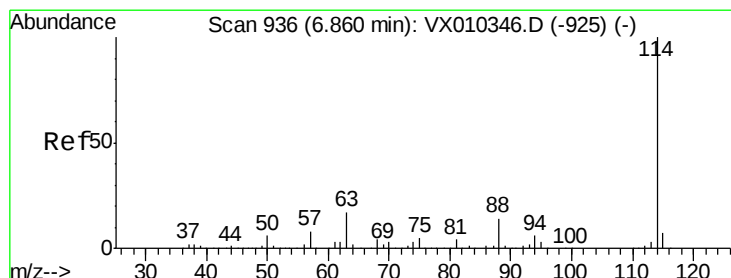
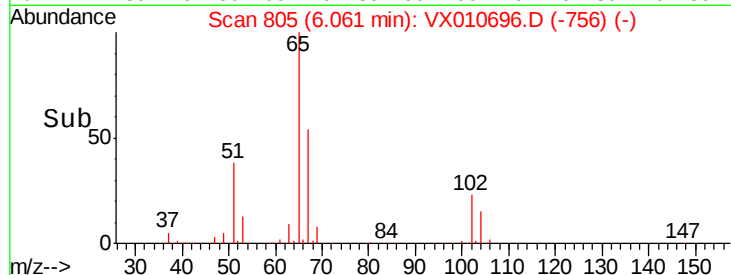
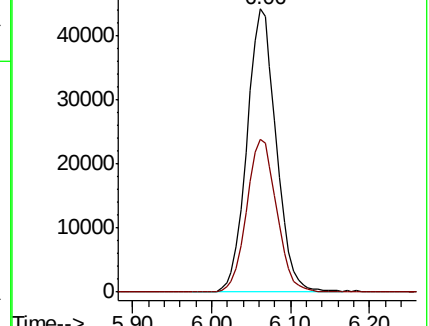
65 100

67 55.5 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: VX010696.D

Acq: 08 Jul 2019 15:26

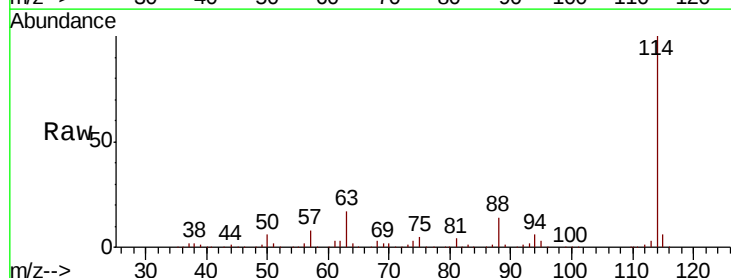
Tgt Ion: 114 Resp: 354960

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.8

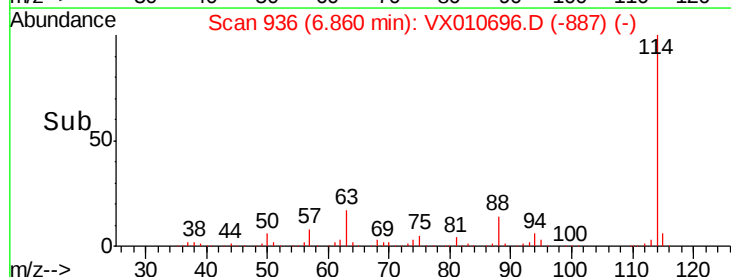
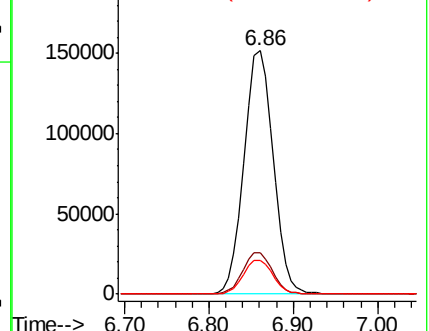
88 14.0 0.0 27.6

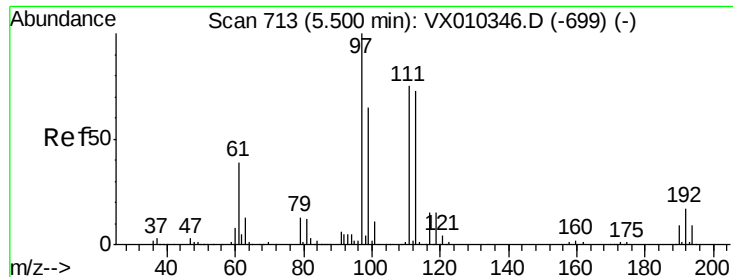


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.443 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702

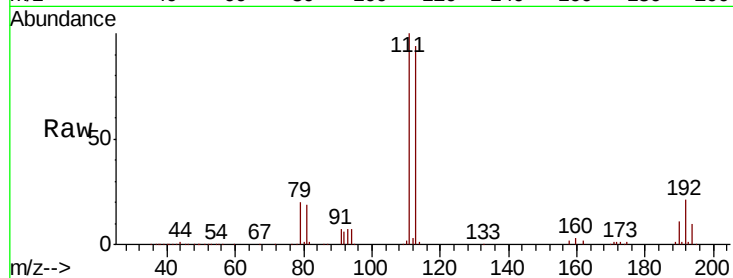
Tot Ion:113 Resp: 109551

Ion Ratio Lower Upper

113 100

111 101.7 81.2 121.8

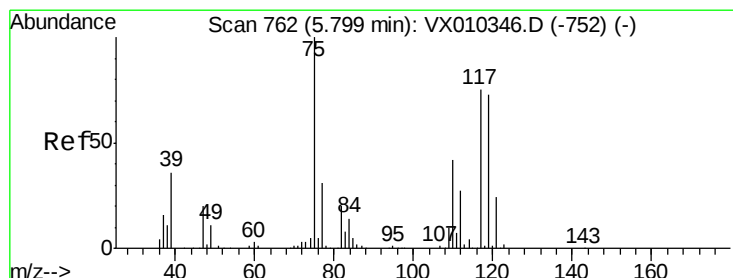
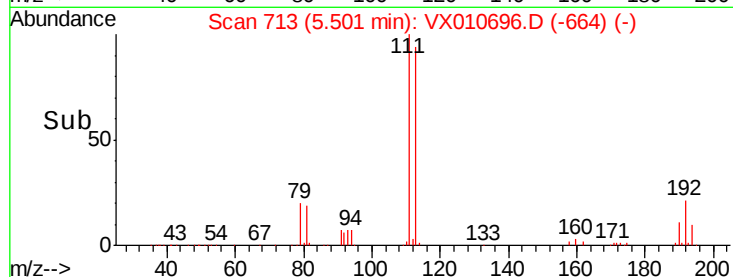
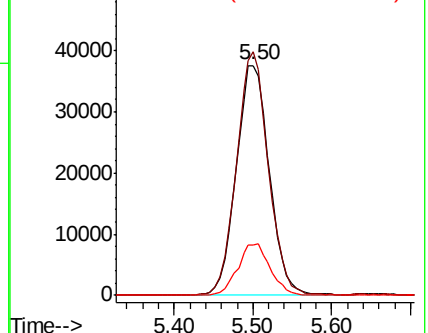
192 22.1 18.6 27.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.284 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

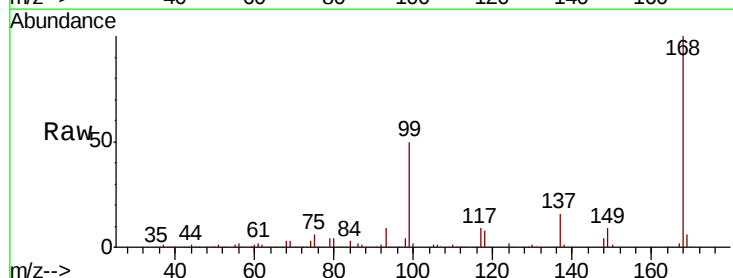
Tgt Ion: 75 Resp: 14904

Ion Ratio Lower Upper

75 100

110 9.8 20.8 62.2#

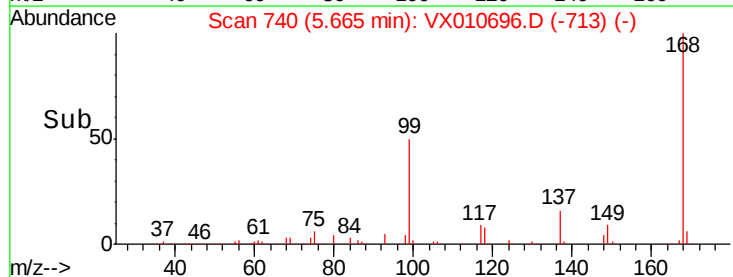
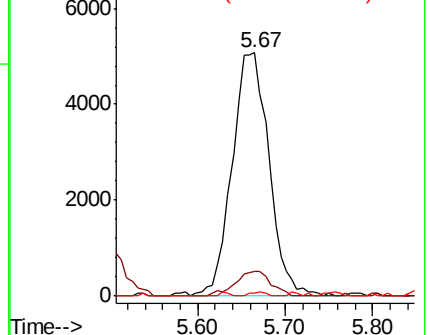
77 0.6 25.4 38.0#

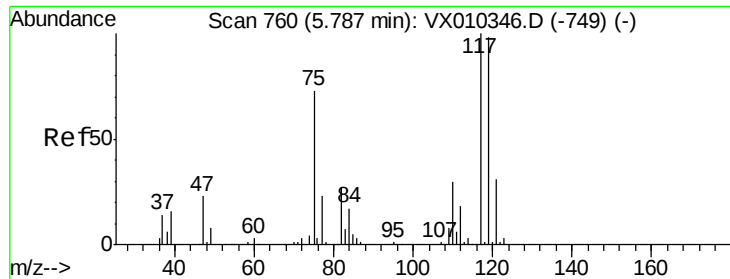


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

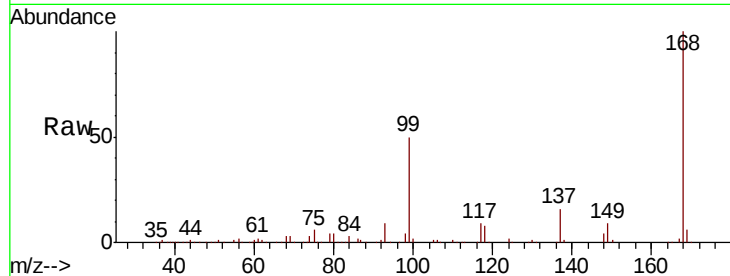




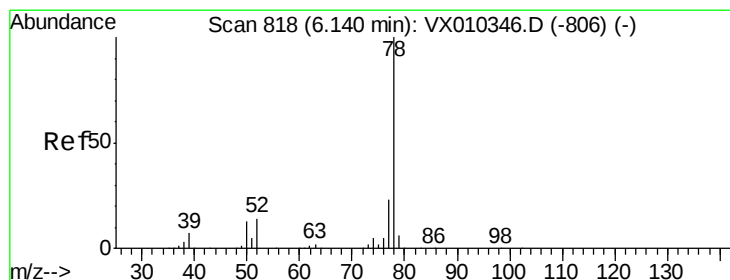
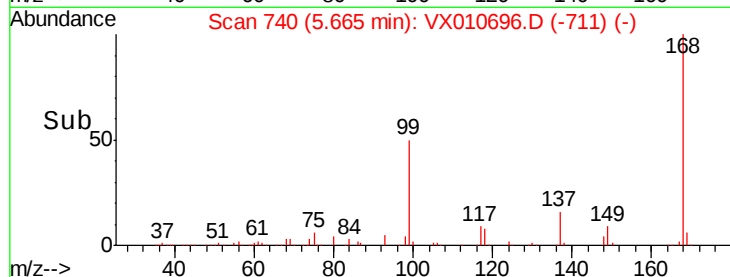
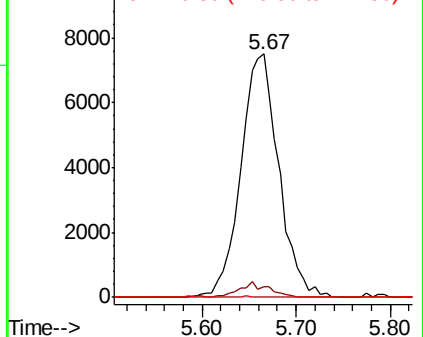
#38
Carbon Tetrachloride
Concen: 6.879 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

Tot Ion:117 Resp: 21013
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.4#
121 0.0 24.7 37.1#

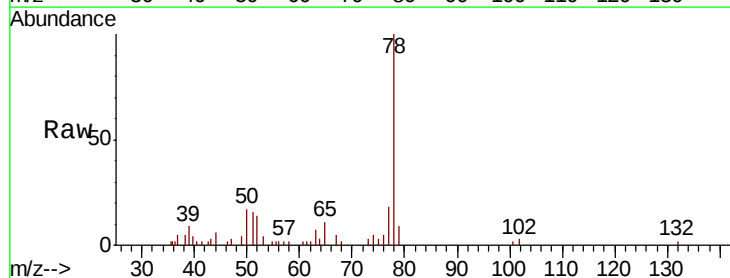


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

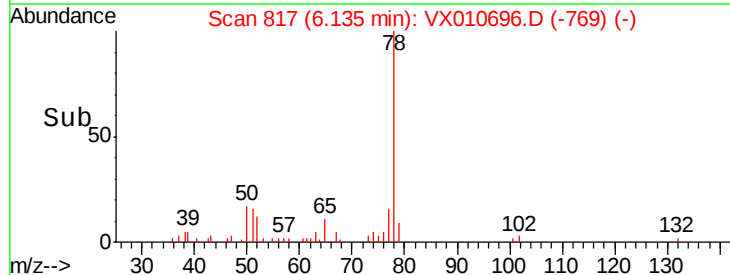
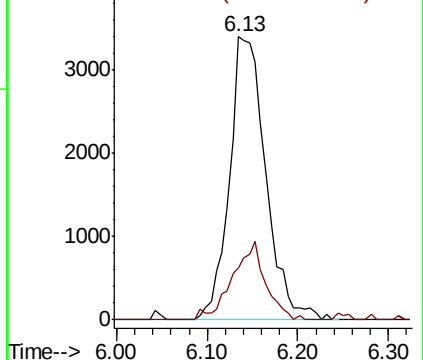


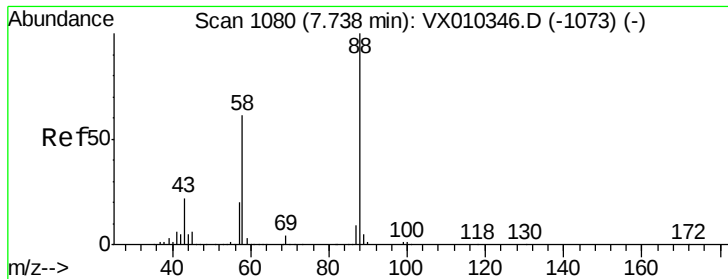
#40
Benzene
Concen: 1.075 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Tgt Ion: 78 Resp: 9449
Ion Ratio Lower Upper
78 100
77 18.1 18.6 28.0#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

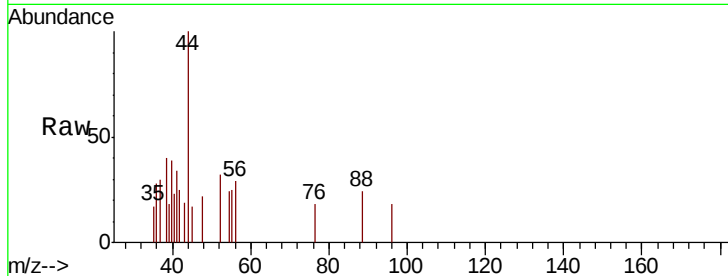




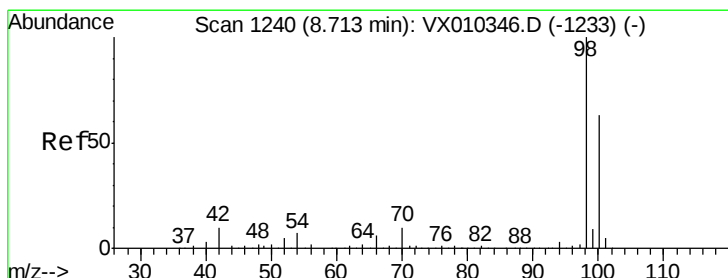
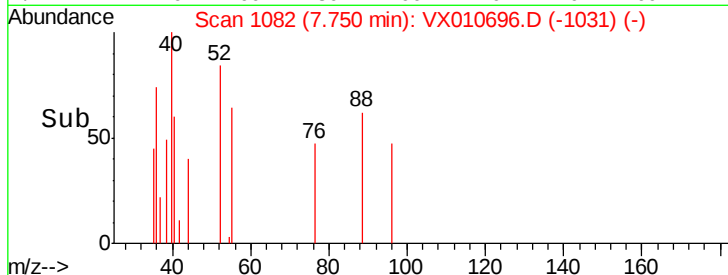
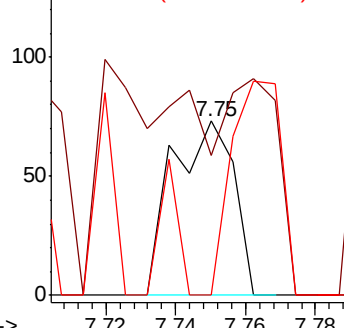
#49
1,4-Dioxane
Concen: 1.384 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

Tot Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 23.6 49.5 74.3#

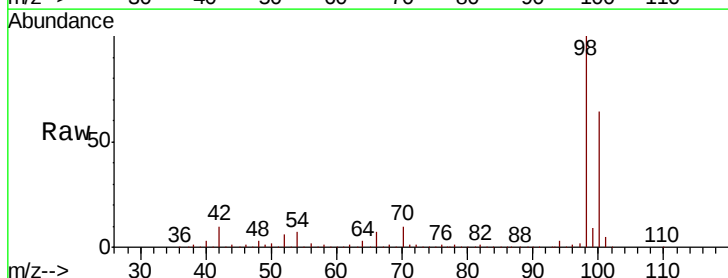


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

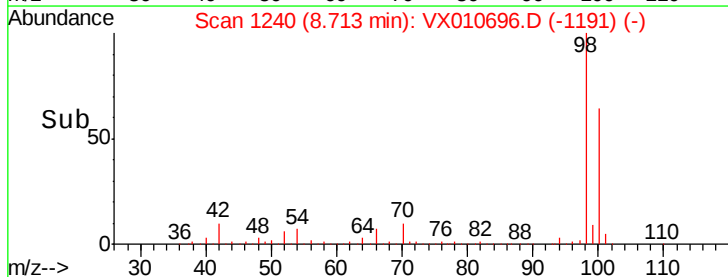
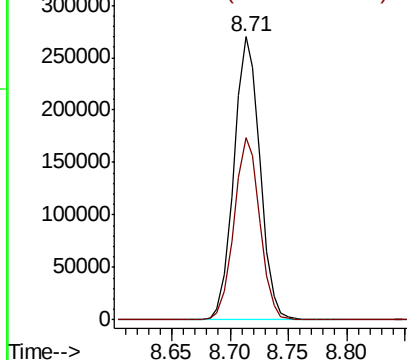


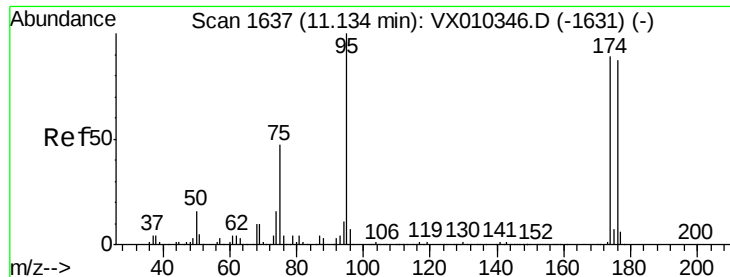
#50
Toluene-d8
Concen: 50.496 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Tgt Ion: 98 Resp: 419561
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.334 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702

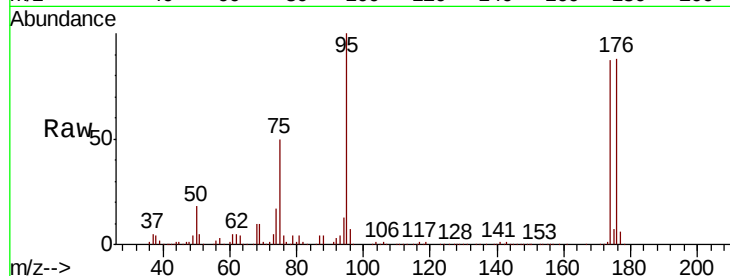
Tot Ion: 95 Resp: 141987

Ion Ratio Lower Upper

95 100

174 93.4 0.0 187.6

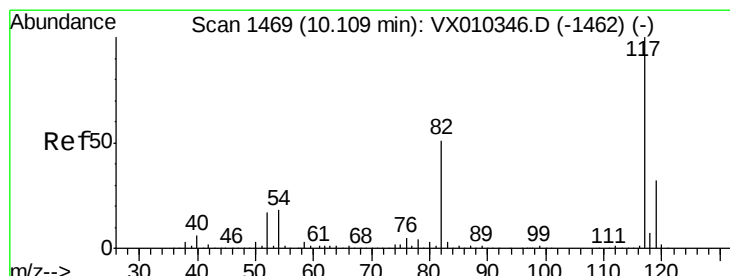
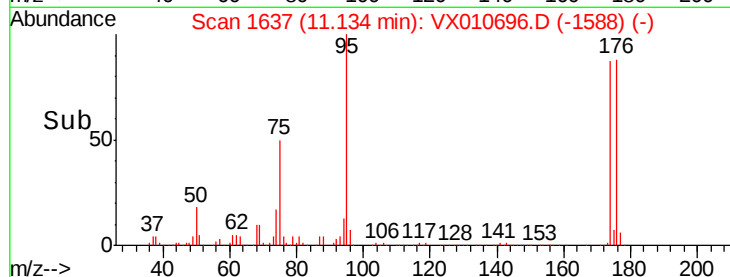
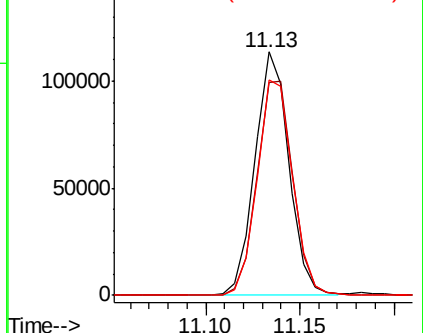
176 92.1 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

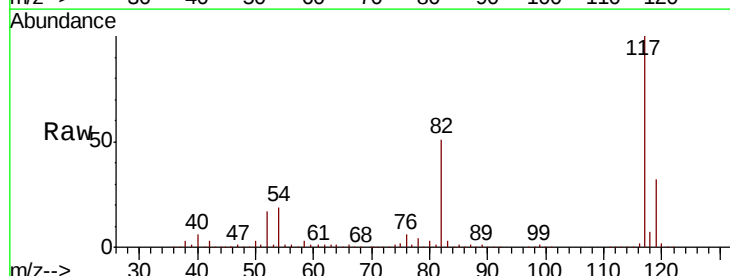
Tgt Ion: 117 Resp: 324938

Ion Ratio Lower Upper

117 100

82 51.4 41.2 61.8

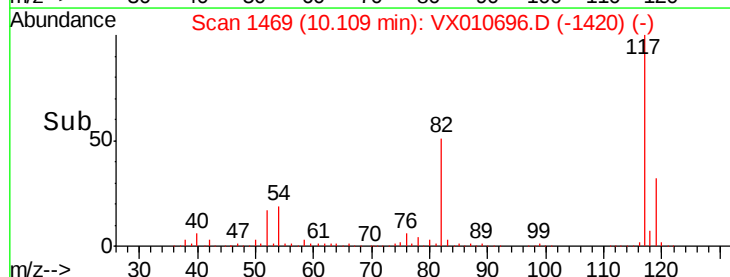
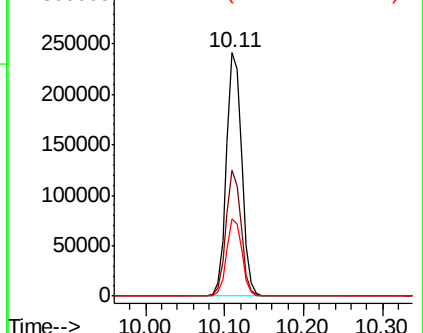
119 32.0 25.5 38.3

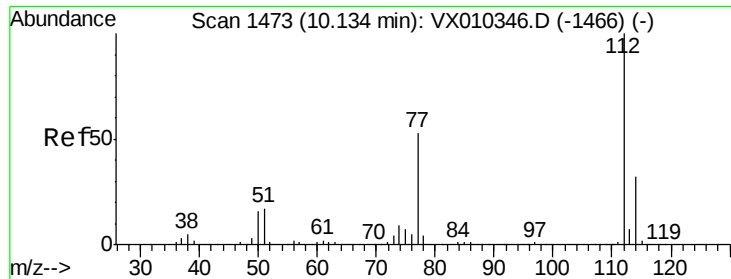


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

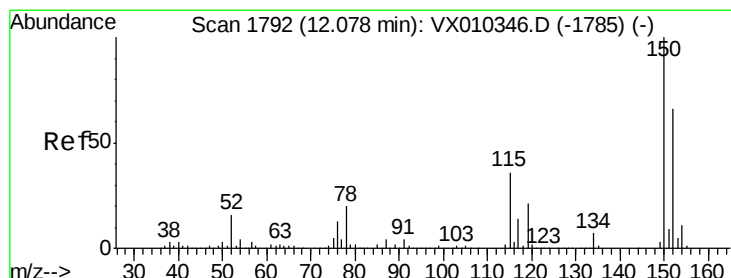
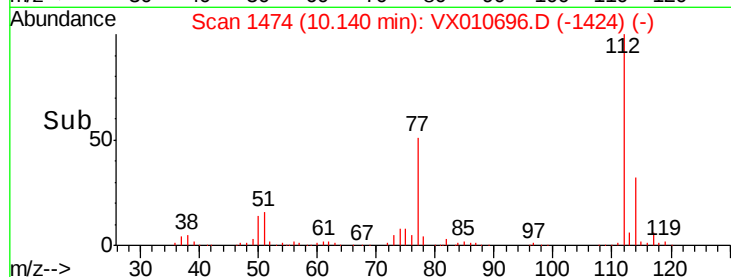
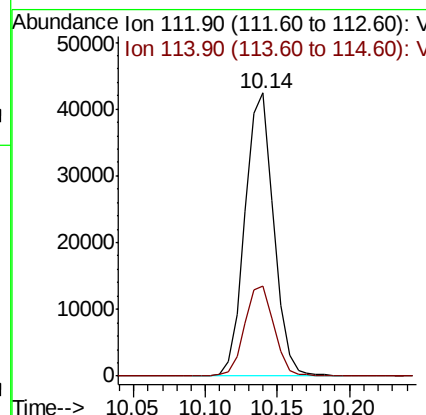
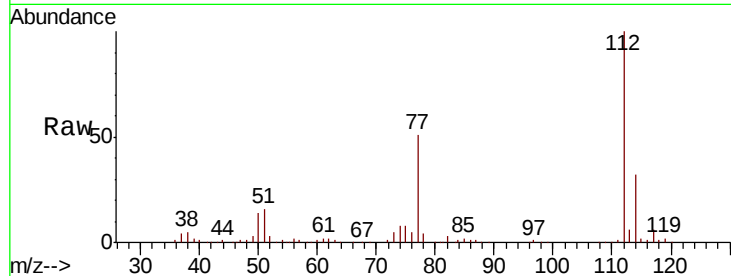




#65
Chlorobenzene
Concen: 8.894 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

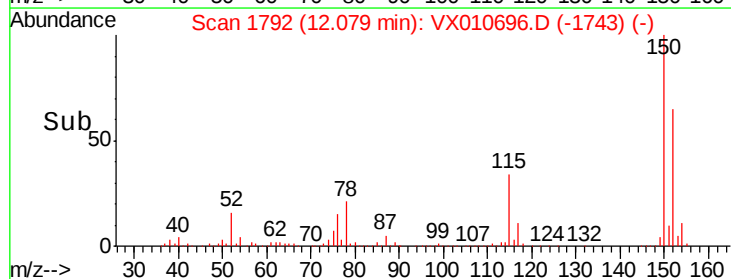
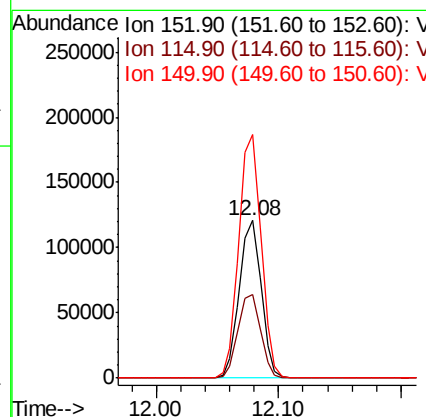
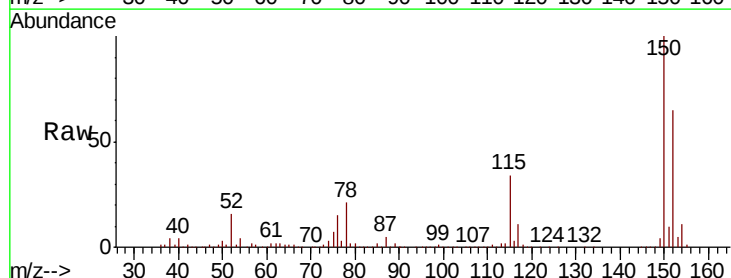
Instrument :
MSVOA_X
ClientSampleId :
SS037MW218-190702

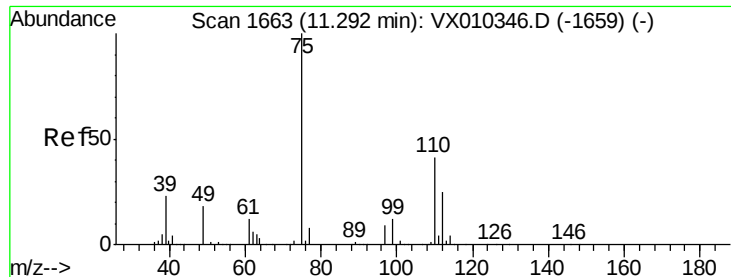
Tot Ion:112 Resp: 58674
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010696.D
Acq: 08 Jul 2019 15:26

Tgt Ion:152 Resp: 150425
Ion Ratio Lower Upper
152 100
115 54.8 38.6 115.7
150 156.4 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.538 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

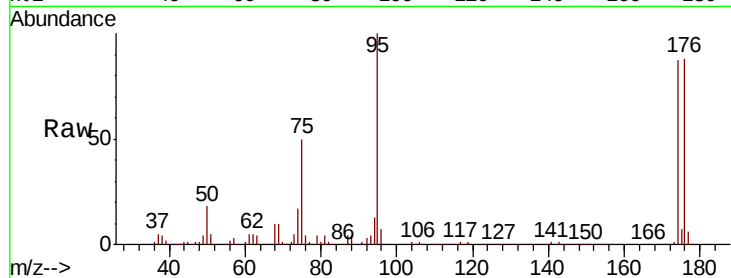
SS037MW218-190702

Tot Ion: 75 Resp: 70002

Ion Ratio Lower Upper

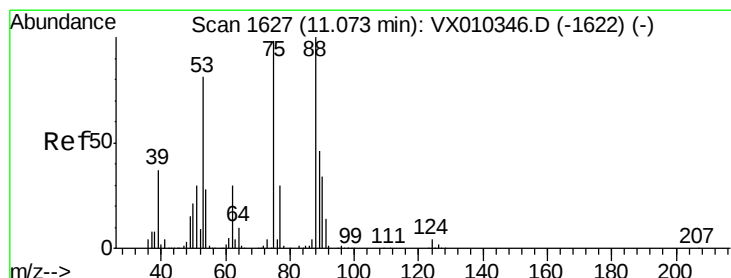
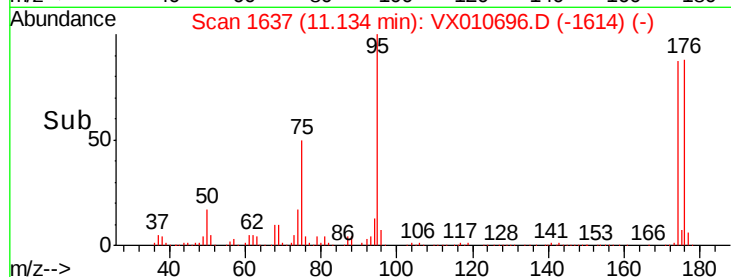
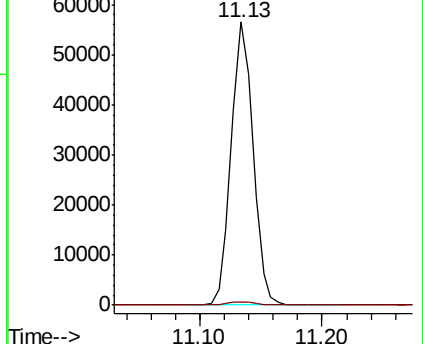
75 100

77 1.5 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 59.576 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

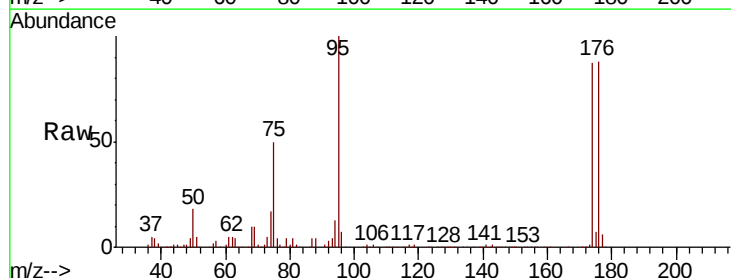
Tgt Ion: 75 Resp: 70002

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

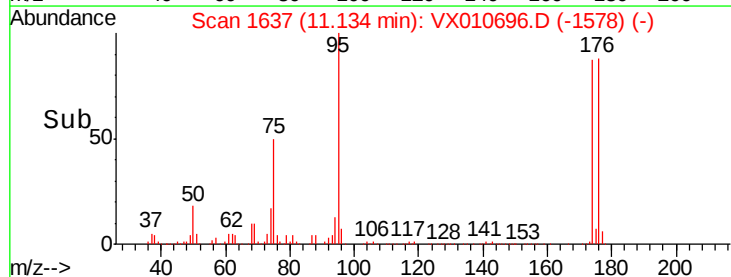
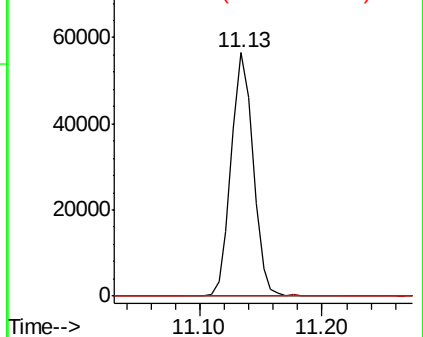
89 0.0 37.8 56.6#

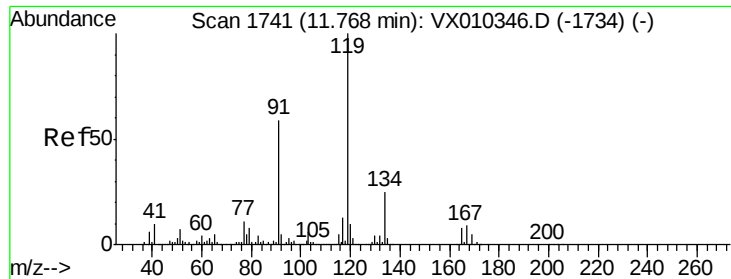


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#83

tert-Butylbenzene

Concen: 0.417 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702

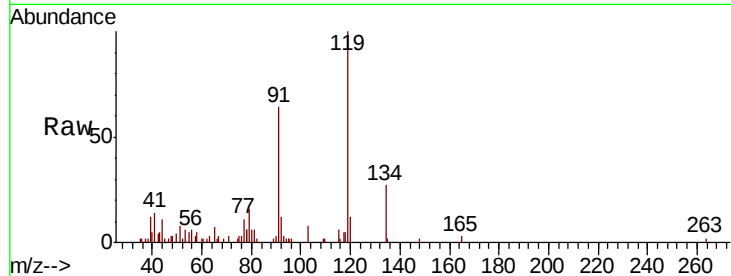
Tot Ion:119 Resp: 3519

Ion Ratio Lower Upper

119 100

91 71.9 27.6 82.7

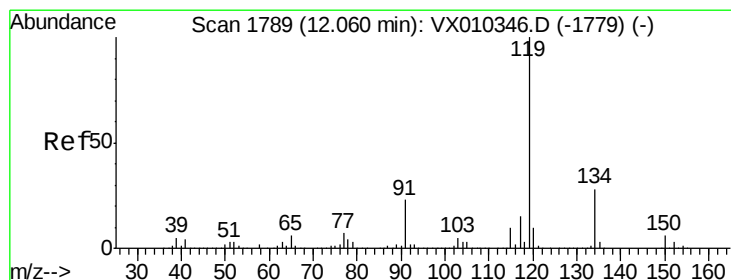
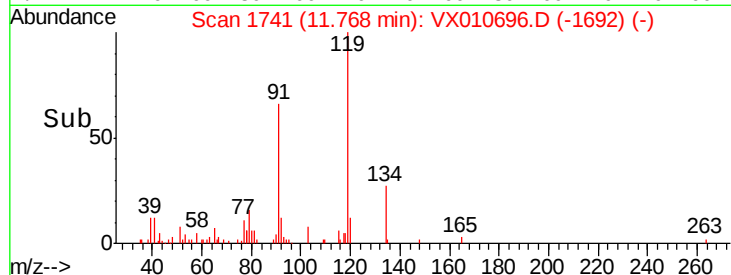
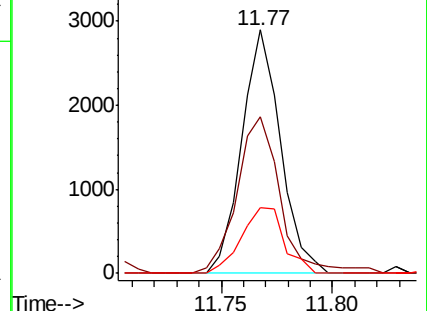
134 29.7 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.446 ug/l

RT: 12.23 min Scan# 1817

Delta R.T. 0.17 min

Lab File: VX010696.D

Acq: 08 Jul 2019 15:26

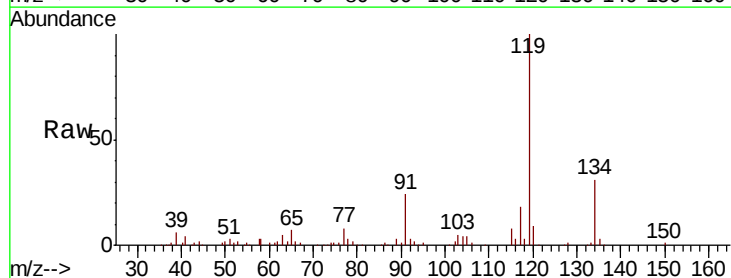
Tgt Ion:119 Resp: 22417

Ion Ratio Lower Upper

119 100

134 29.1 13.7 41.1

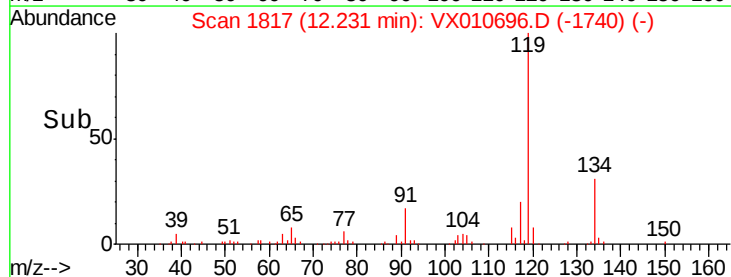
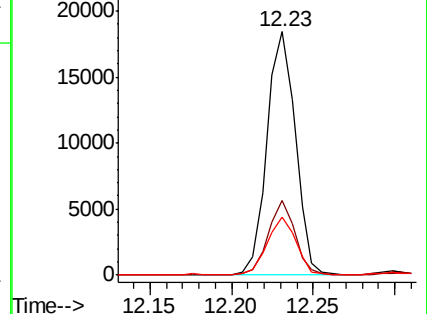
91 24.2 11.3 33.8

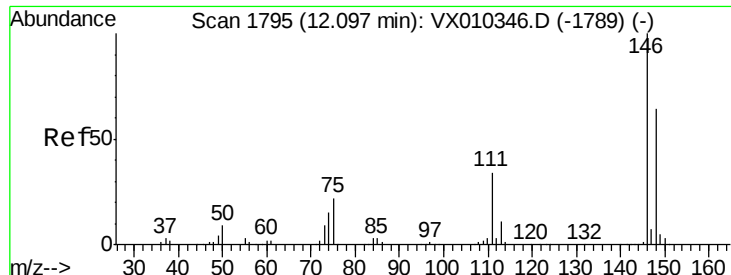


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#88

1,4-Dichlorobenzene

Concen: 0.346 ug/l

RT: 12.09 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VX010696.D

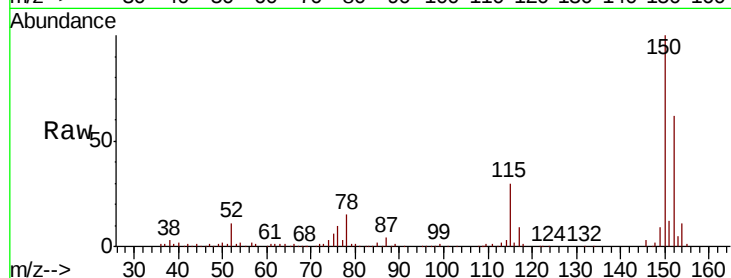
Acq: 08 Jul 2019 15:26

Instrument :

MSVOA_X

ClientSampleId :

SS037MW218-190702



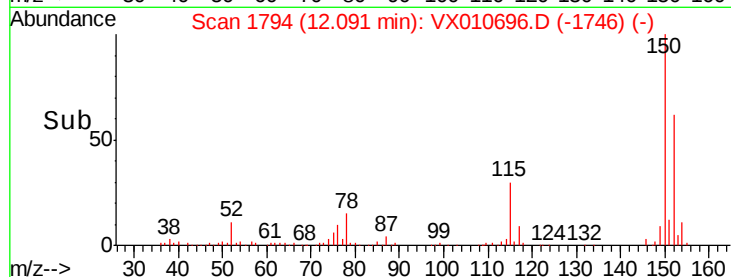
Tot Ion:146 Resp: 1749

Ion Ratio Lower Upper

146 100

111 139.8 18.1 54.3#

148 105.0 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

