

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040519\
 Data File : VX008696.D
 Acq On : 05 Apr 2019 20:53
 Operator : JC/SP
 Sample : K2295-17 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW311-190404DL

Quant Time: Apr 06 01:28:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	211156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	351985	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	311317	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133757	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	144456	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	5.50	113	106343	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	8.71	98	443048	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.13	95	154399	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	

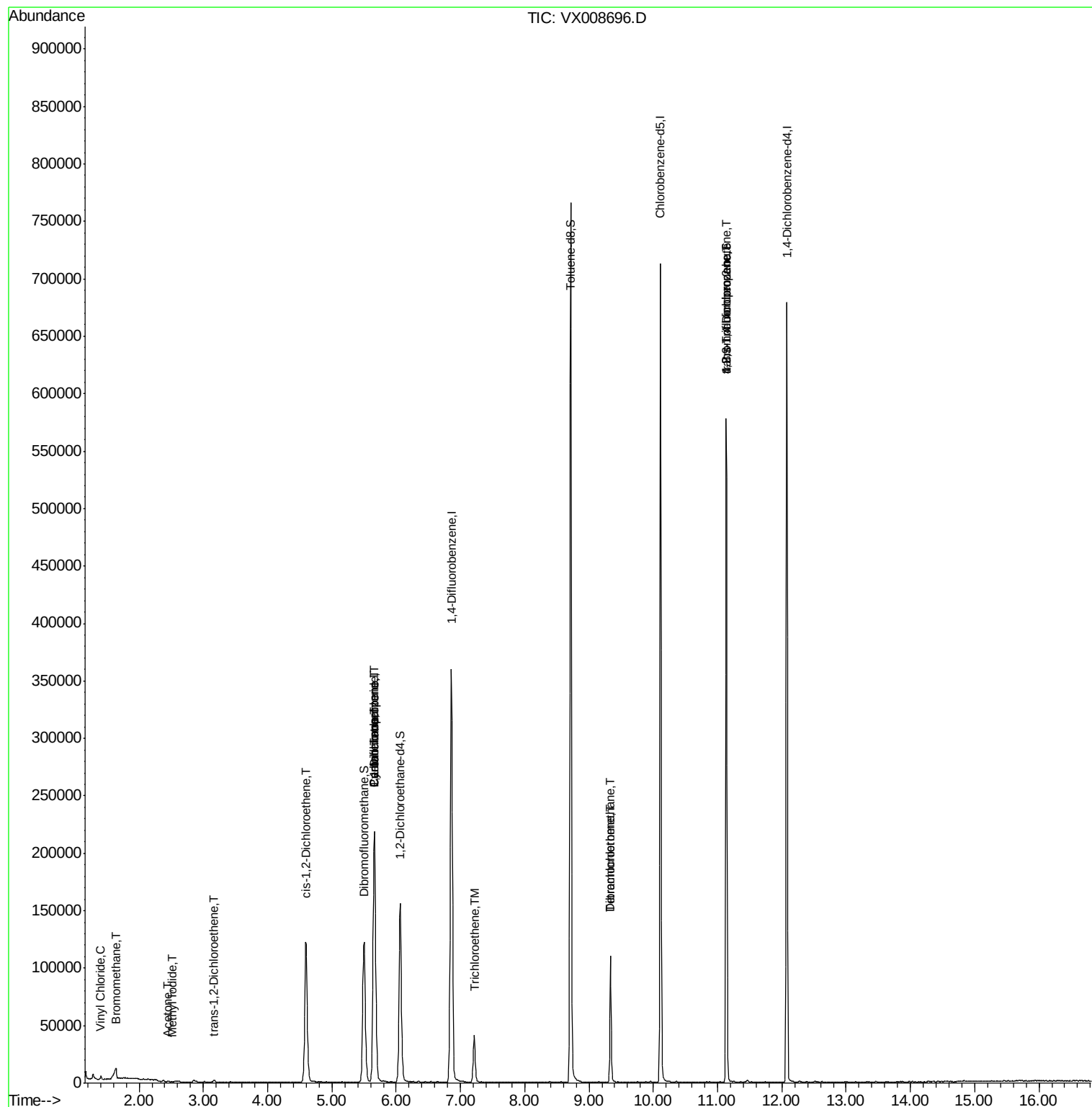
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	445	Below Cal		97
4) Vinyl Chloride	1.41	62	1838	0.559	ug/l	99
5) Bromomethane	1.64	94	499	2.182	ug/l	84
6) Chloroethane	1.71	64	497	Below Cal	#	86
10) Methyl Iodide	2.51	142	230	4.102	ug/l #	67
16) Acetone	2.44	43	598	0.337	ug/l	96
17) Carbon Disulfide	2.57	76	733	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.16	96	588	0.223	ug/l #	69
27) cis-1,2-Dichloroethene	4.60	96	75947	25.017	ug/l	88
28) Bromochloromethane	5.03	49	22	Below Cal	#	22
31) Cyclohexane	5.66	56	4810	0.904	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17159	4.460	ug/l #	51
38) Carbon Tetrachloride	5.66	117	20275	6.367	ug/l #	18
44) Trichloroethene	7.21	130	15113	5.661	ug/l	97
60) Dibromochloromethane	9.34	129	20289	7.937	ug/l #	11
64) Tetrachloroethene	9.34	164	21095	9.146	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	78659	21.407	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	78659	59.010	ug/l #	9

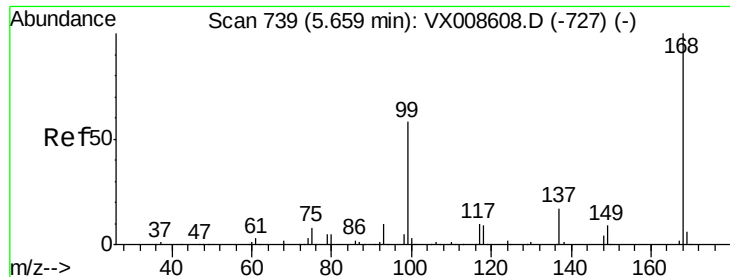
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

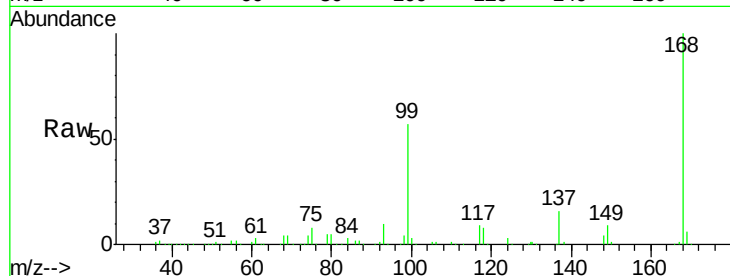
SS037MW311-190404DL

Tot Ion:168 Resp: 211156

Ion Ratio Lower Upper

168 100

99 57.3 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

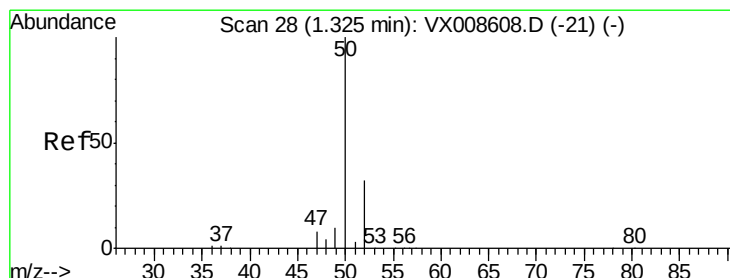
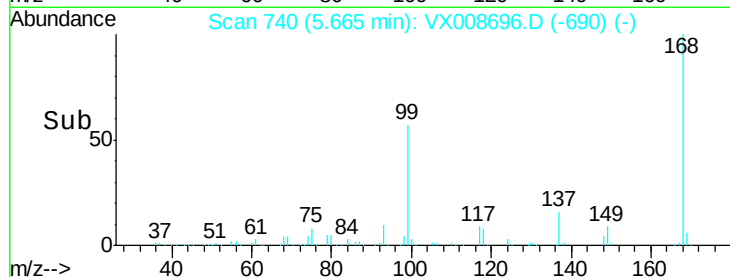
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008696.D

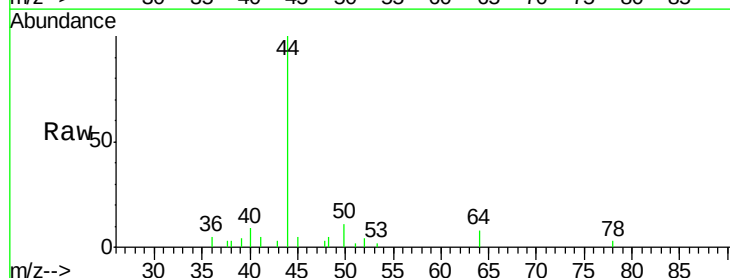
Acq: 05 Apr 2019 20:53

Tgt Ion: 50 Resp: 445

Ion Ratio Lower Upper

50 100

52 34.0 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

250

200

150

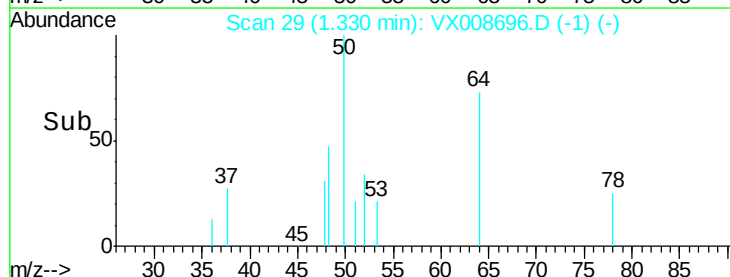
100

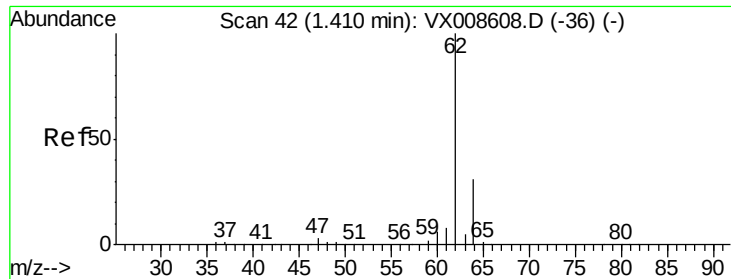
50

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 0.559 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

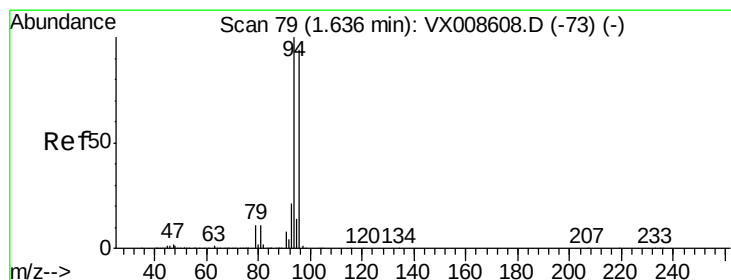
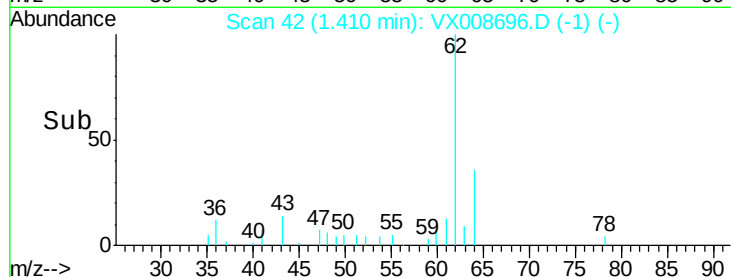
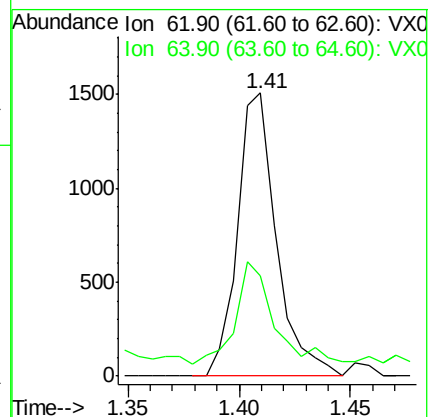
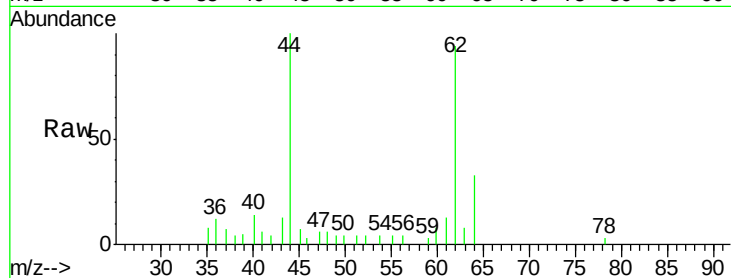
SS037MW311-190404DL

Tot Ion: 62 Resp: 1838

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1



#5

Bromomethane

Concen: 2.182 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008696.D

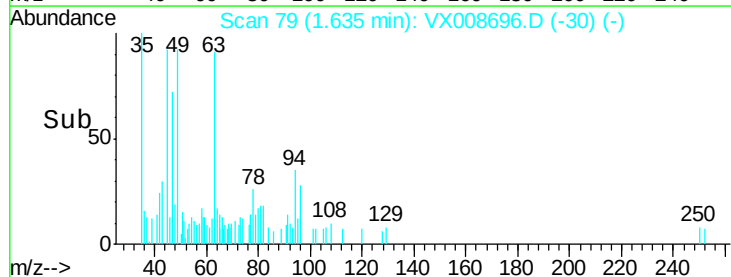
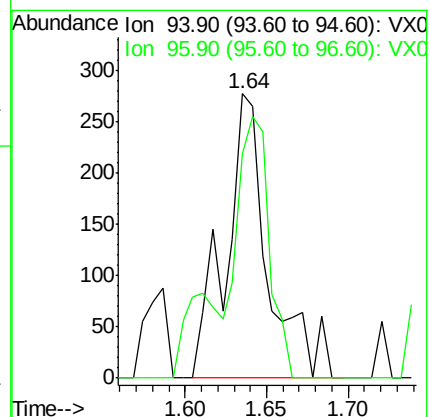
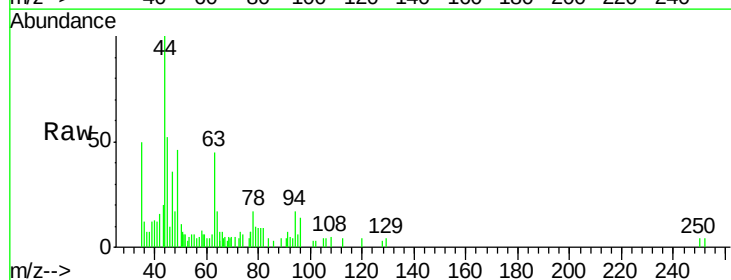
Acq: 05 Apr 2019 20:53

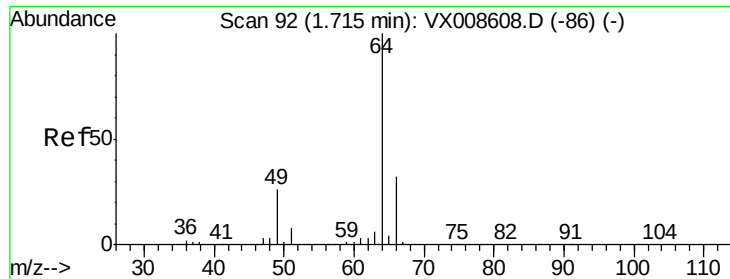
Tgt Ion: 94 Resp: 499

Ion Ratio Lower Upper

94 100

96 78.7 75.2 112.8





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

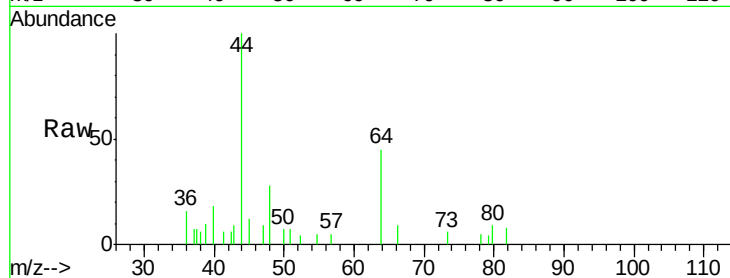
SS037MW311-190404DL

Tot Ion: 64 Resp: 497

Ion Ratio Lower Upper

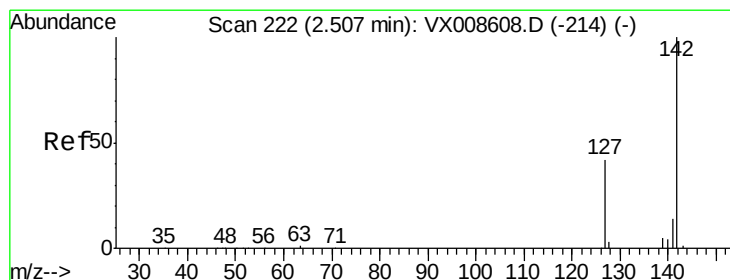
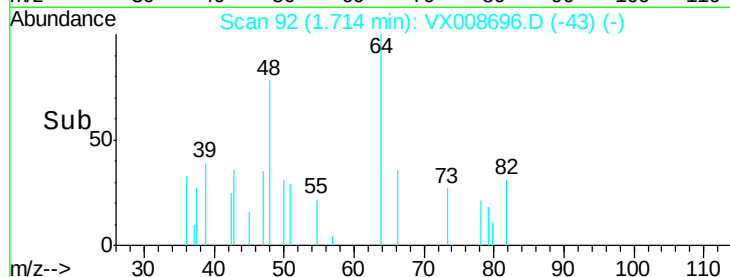
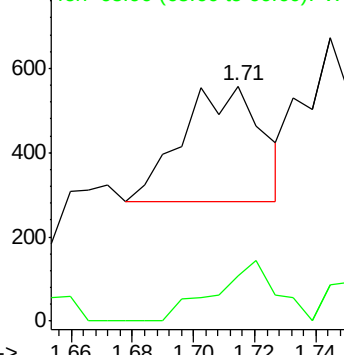
64 100

66 39.3 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 4.102 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

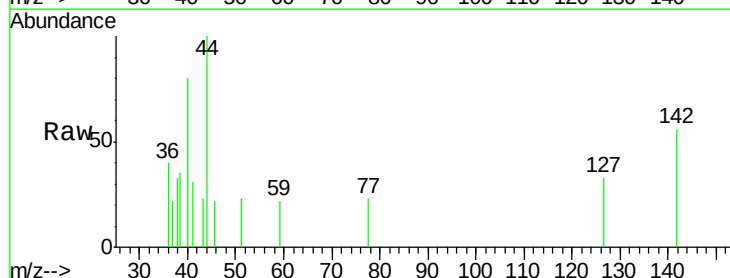
Tgt Ion: 142 Resp: 230

Ion Ratio Lower Upper

142 100

127 21.3 33.0 49.6#

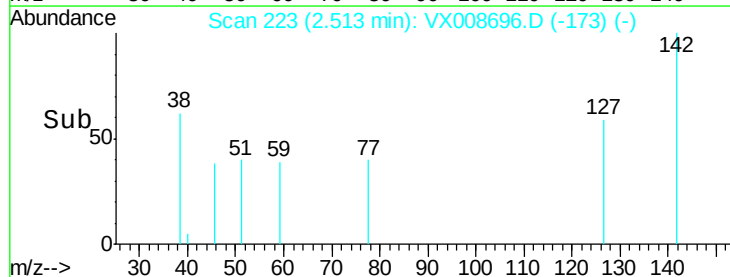
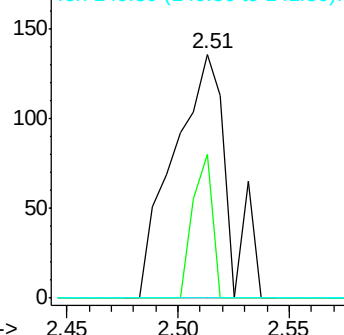
141 0.0 11.4 17.2#

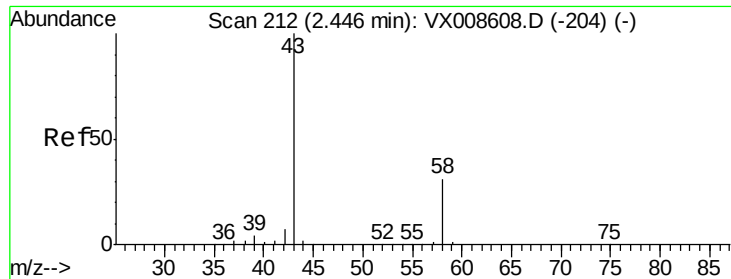


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 0.337 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

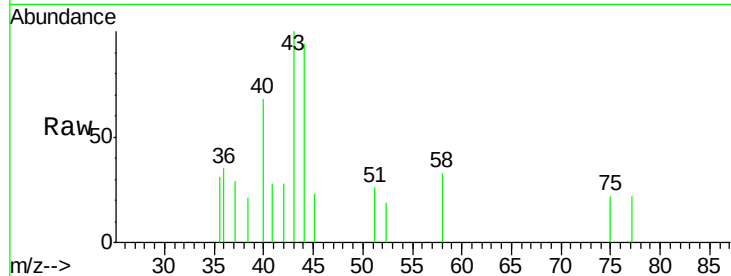
SS037MW311-190404DL

Tot Ion: 43 Resp: 598

Ion Ratio Lower Upper

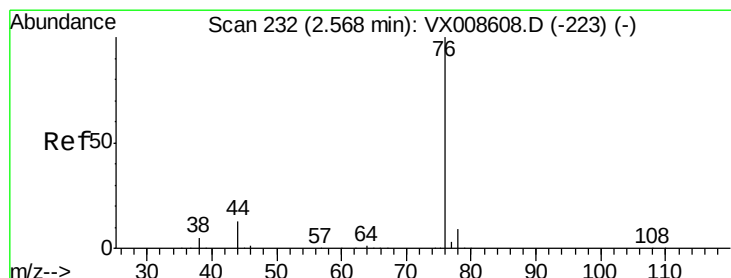
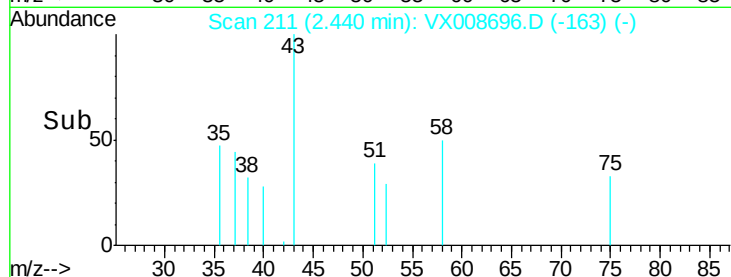
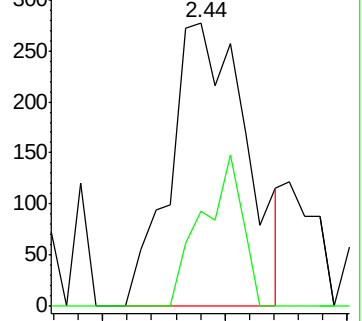
43 100

58 33.1 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008696.D

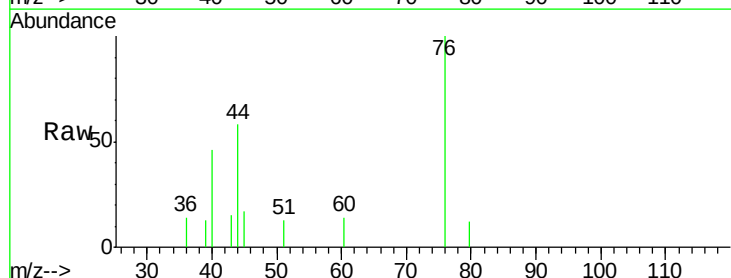
Acq: 05 Apr 2019 20:53

Tgt Ion: 76 Resp: 733

Ion Ratio Lower Upper

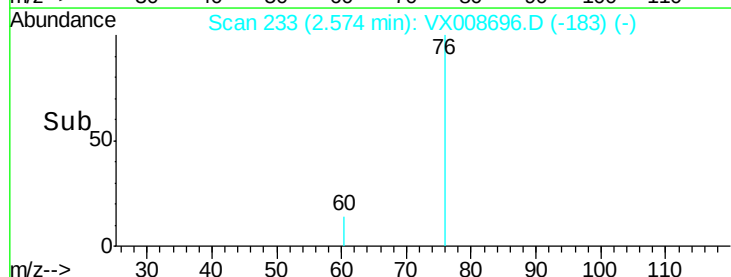
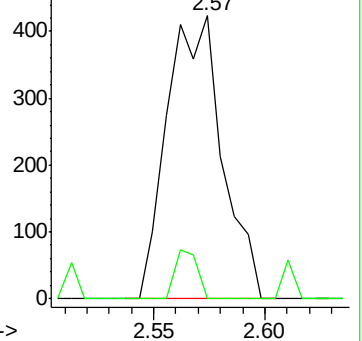
76 100

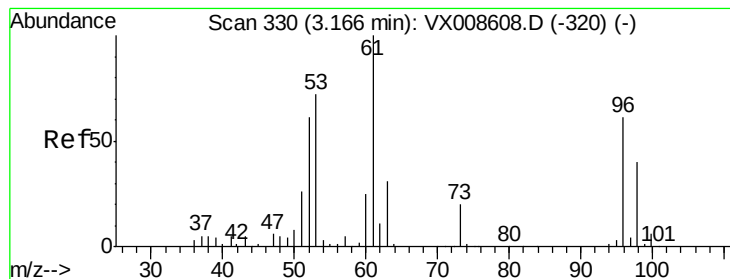
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.223 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

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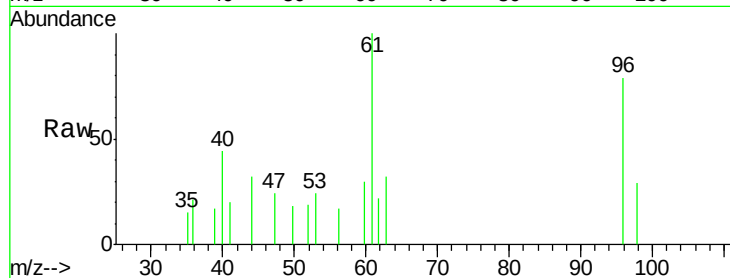
Tot Ion: 96 Resp: 588

Ion Ratio Lower Upper

96 100

61 126.3 132.1 198.1#

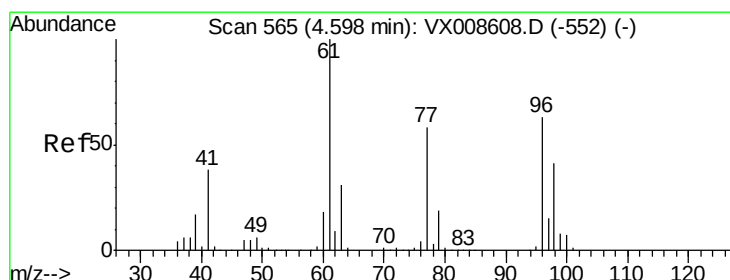
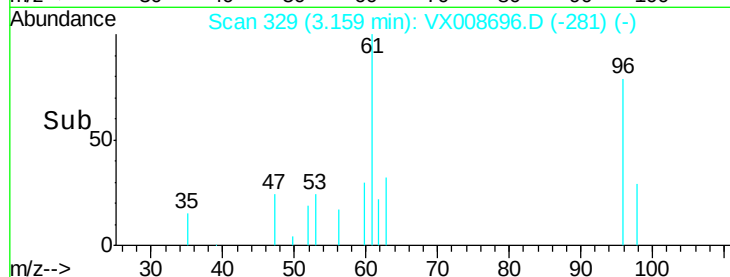
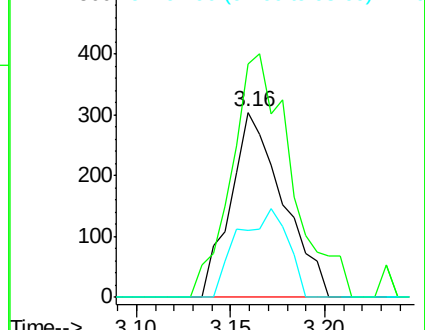
98 36.5 52.2 78.2#



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



#27

cis-1,2-Dichloroethene

Concen: 25.017 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

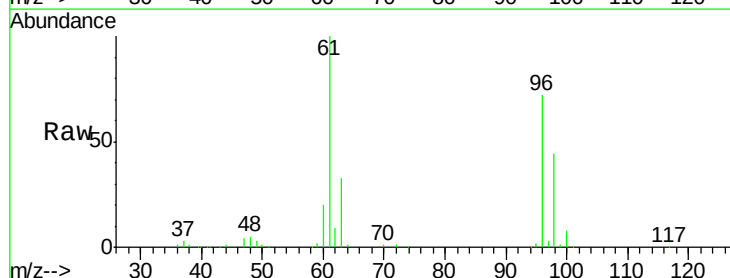
Tgt Ion: 96 Resp: 75947

Ion Ratio Lower Upper

96 100

61 142.5 0.0 327.6

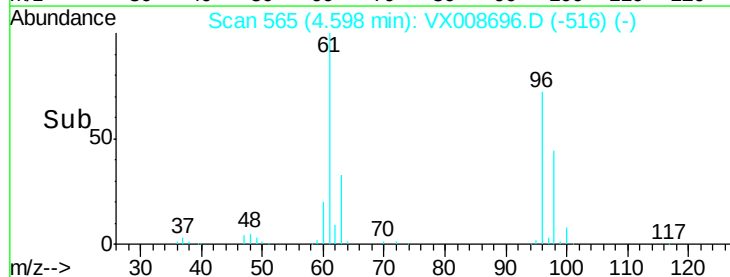
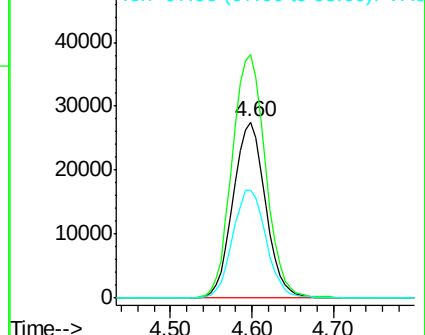
98 63.3 0.0 128.6

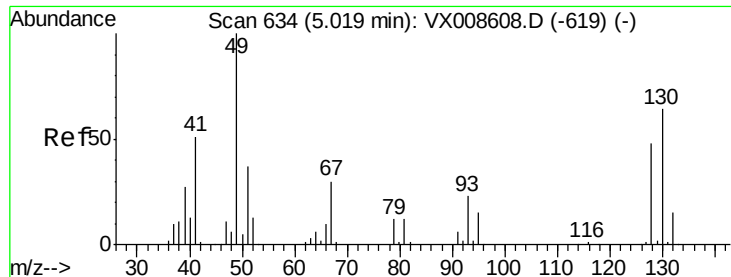


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

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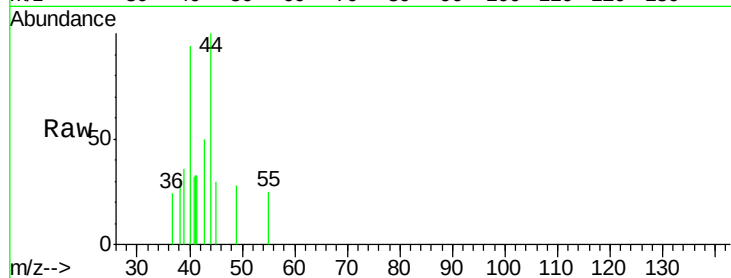
Tot Ion: 49 Resp: 22

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

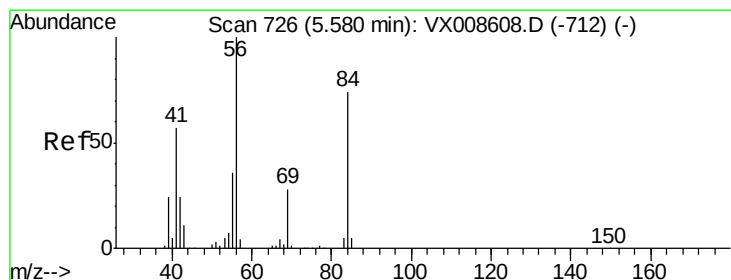
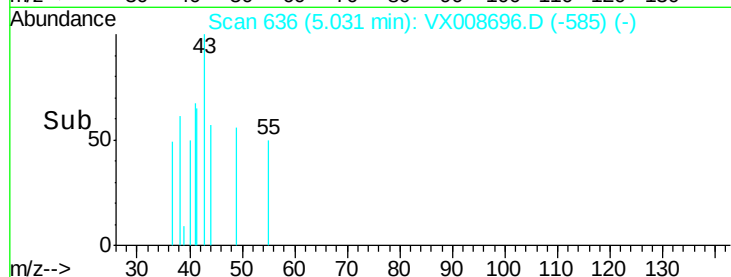
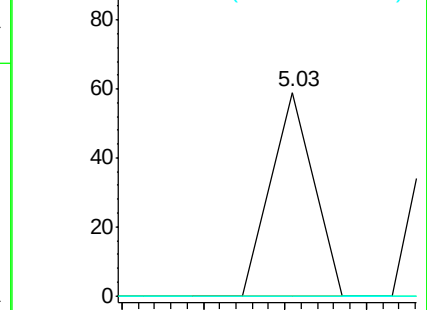
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.904 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

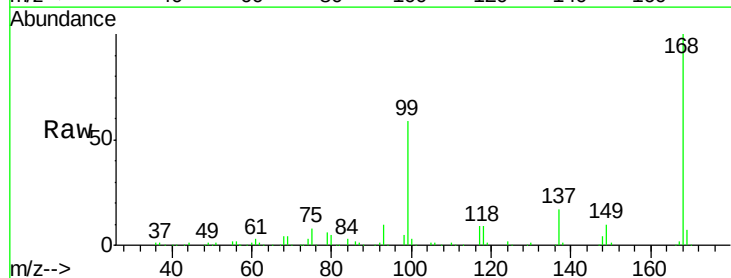
Tgt Ion: 56 Resp: 4810

Ion Ratio Lower Upper

56 100

69 166.7 22.6 33.8#

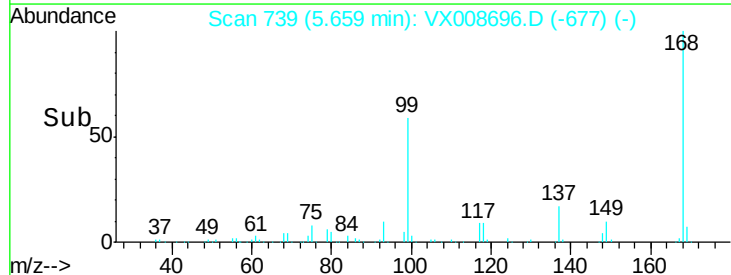
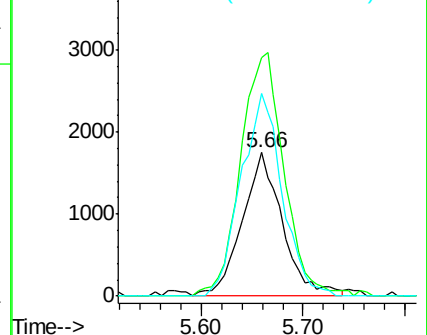
84 141.8 59.3 88.9#

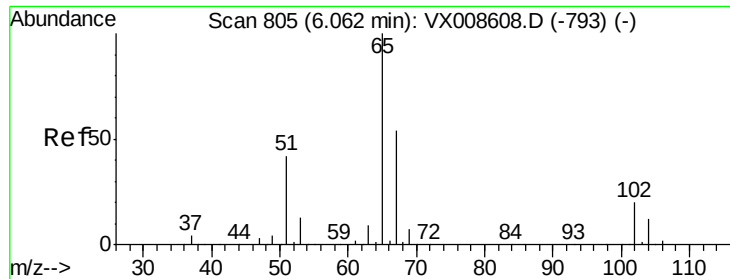


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

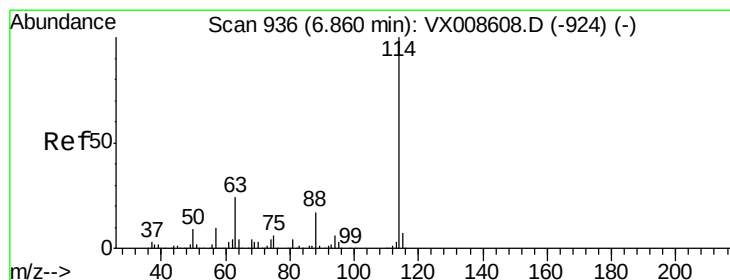
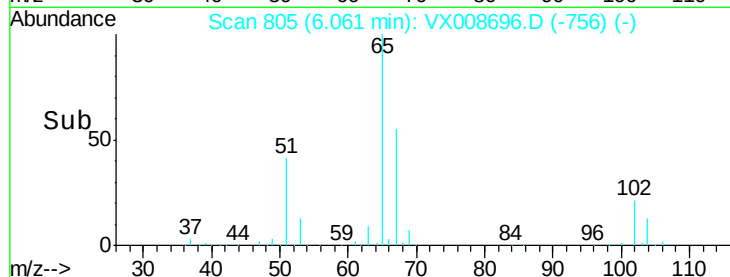
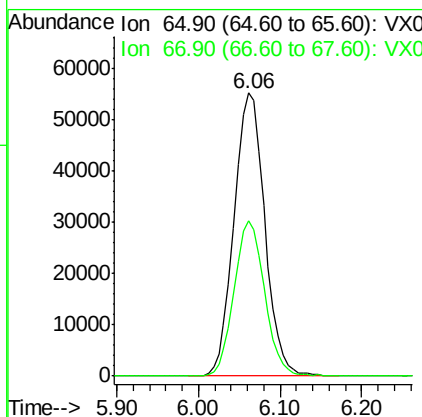
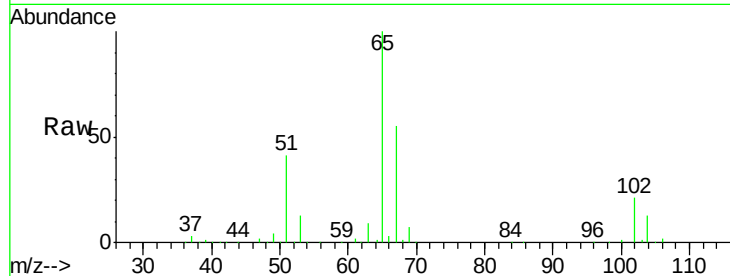




#33
 1,2-Dichloroethane-d4
 Concen: 46.904 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008696.D
 Acq: 05 Apr 2019 20:53

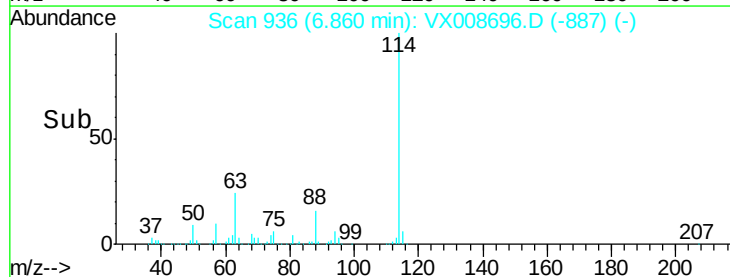
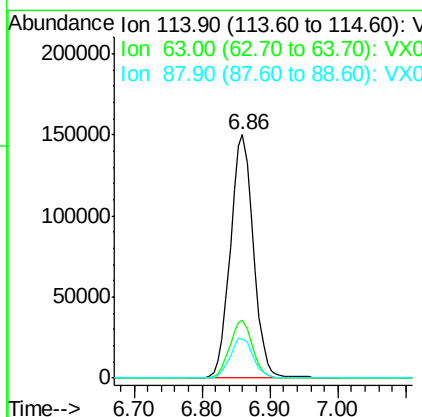
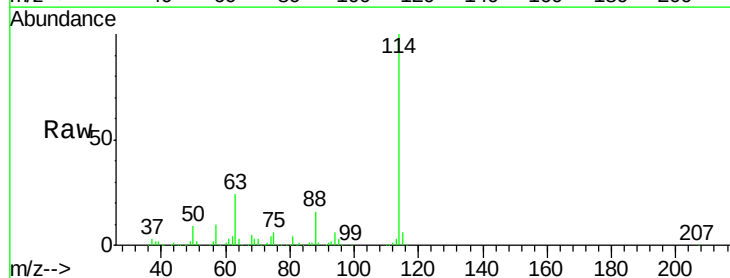
Instrument :
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 SS037MW311-190404DL

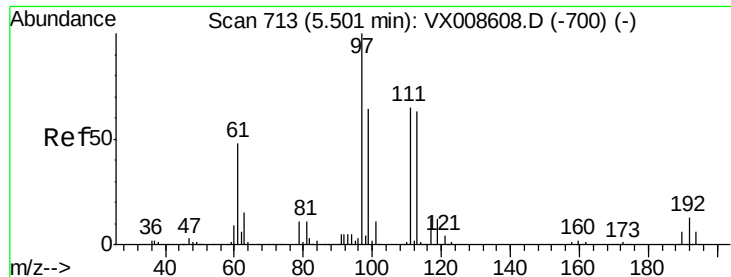
Tot Ion: 65 Resp: 144456
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008696.D
 Acq: 05 Apr 2019 20:53

Tgt Ion: 114 Resp: 351985
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.2
 88 16.2 0.0 34.0

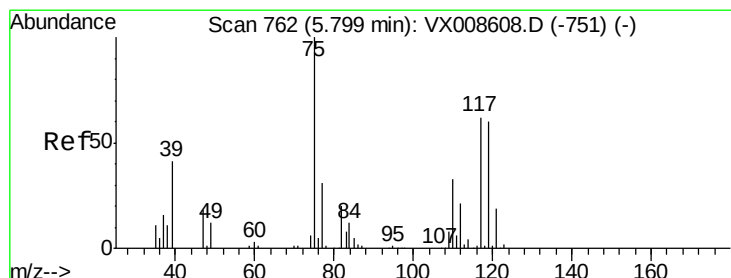
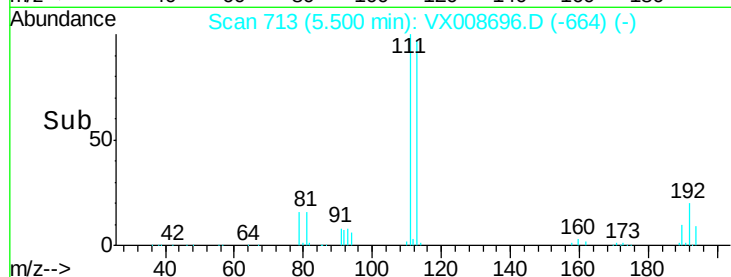
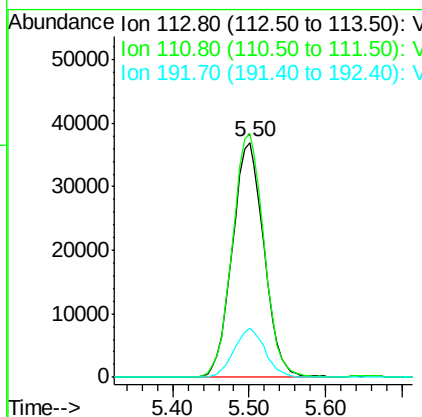
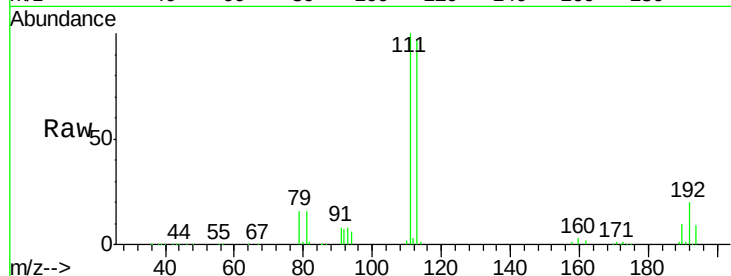




#35
 Dibromofluoromethane
 Concen: 47.254 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008696.D
 Acq: 05 Apr 2019 20:53

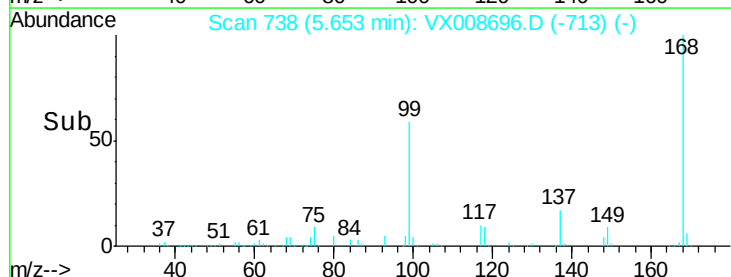
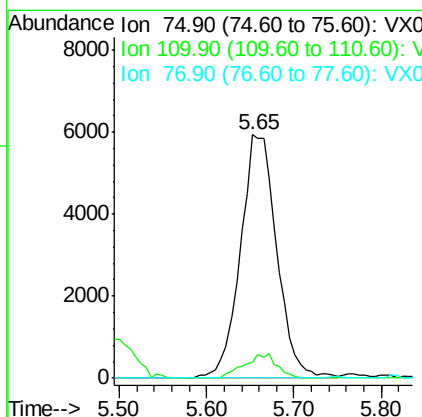
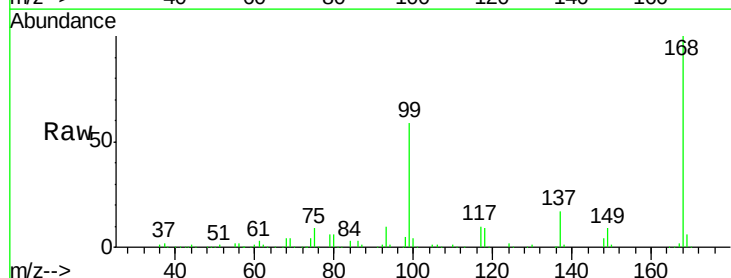
Instrument :
 MSVOA_X
 ClientSampleID :
 SS037MW311-190404DL

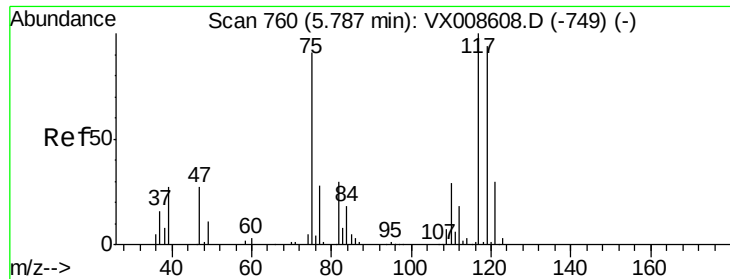
Tot Ion:113 Resp: 106343
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 20.6 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.460 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. -0.15 min
 Lab File: VX008696.D
 Acq: 05 Apr 2019 20:53

Tgt Ion: 75 Resp: 17159
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.4 49.2#
 77 0.0 24.7 37.1#

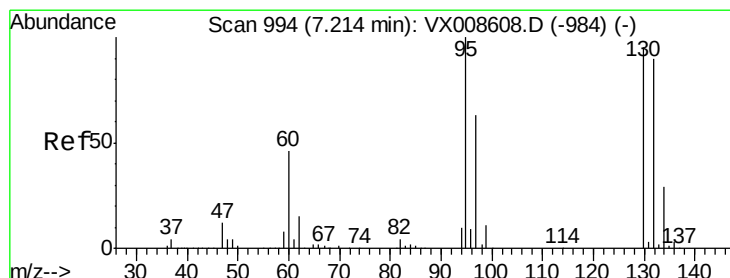
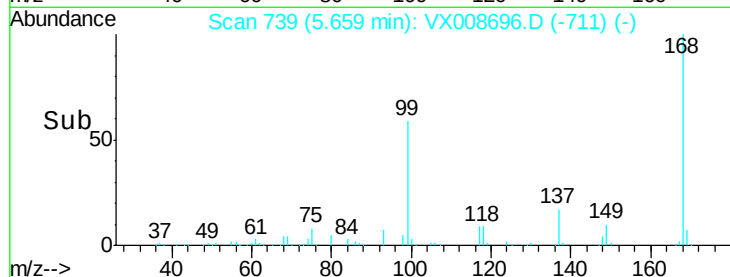
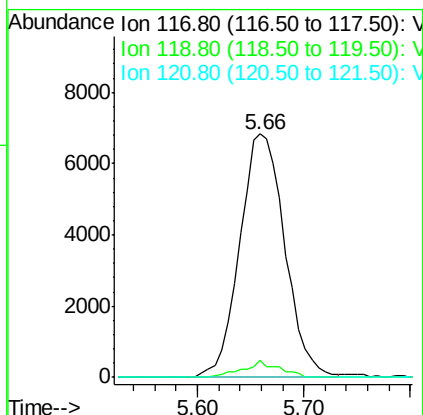
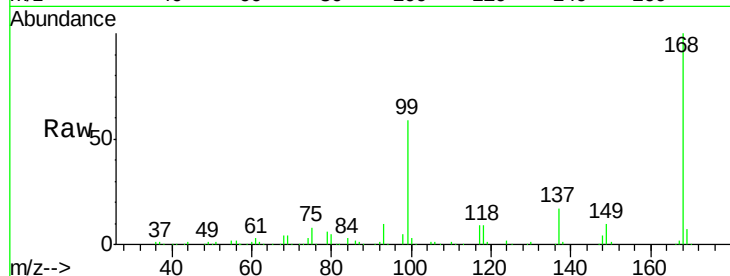




#38
Carbon Tetrachloride
Concen: 6.367 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008696.D
Acq: 05 Apr 2019 20:53

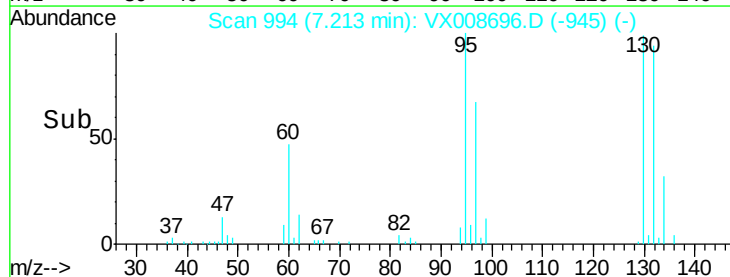
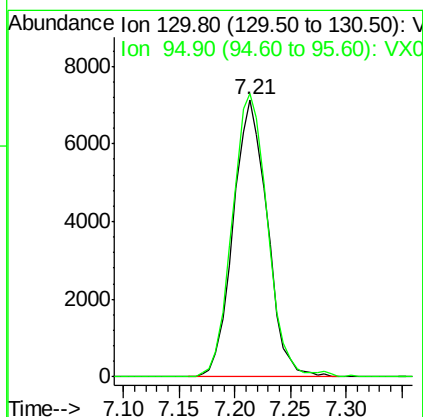
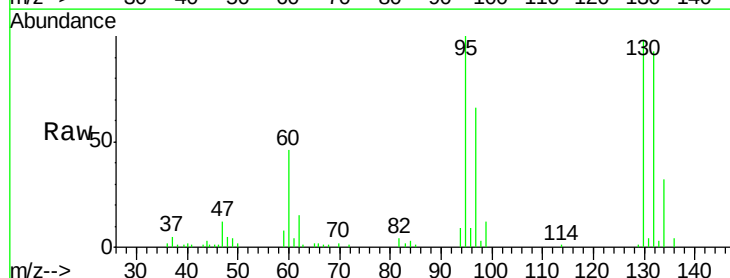
Instrument :
MSVOA_X
ClientSampleId :
SS037MW311-190404DL

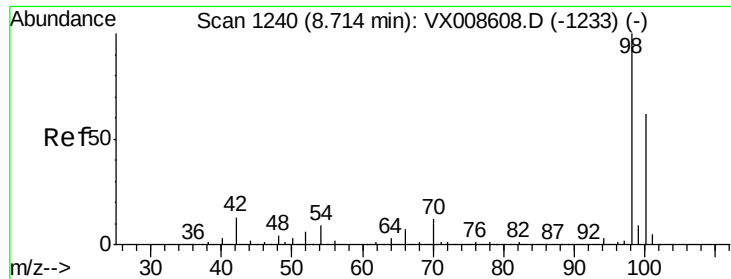
Tot Ion:117 Resp: 20275
Ion Ratio Lower Upper
117 100
119 6.8 75.0 112.6#
121 0.0 24.3 36.5#



#44
Trichloroethene
Concen: 5.661 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008696.D
Acq: 05 Apr 2019 20:53

Tgt Ion:130 Resp: 15113
Ion Ratio Lower Upper
130 100
95 102.0 0.0 209.8





#50

Toluene-d8

Concen: 49.443 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

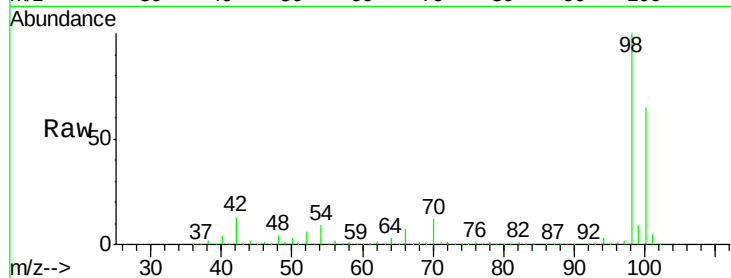
SS037MW311-190404DL

Tot Ion: 98 Resp: 443048

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX008608.D (-1233) (-)

Ion 100.00 (99.70 to 100.70): VX008608.D (-1233) (-)

8.71

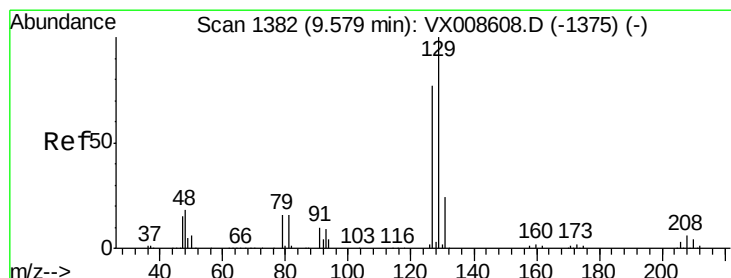
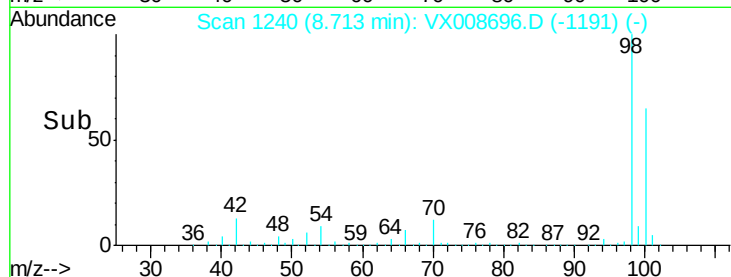
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 7.937 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008696.D

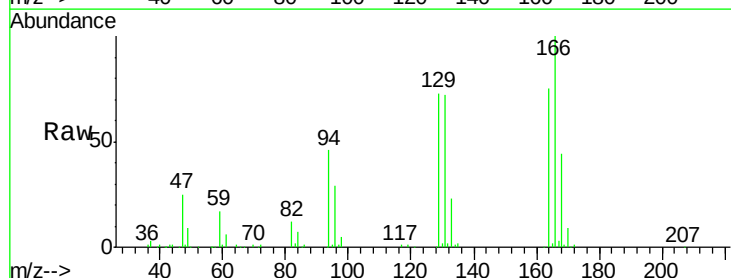
Acq: 05 Apr 2019 20:53

Tgt Ion:129 Resp: 20289

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): VX008608.D (-1375) (-)

Ion 126.80 (126.50 to 127.50): VX008608.D (-1375) (-)

9.34

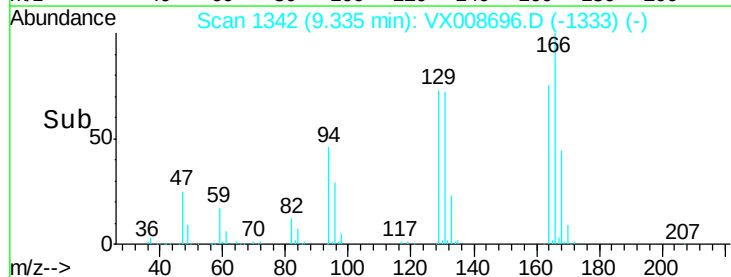
15000

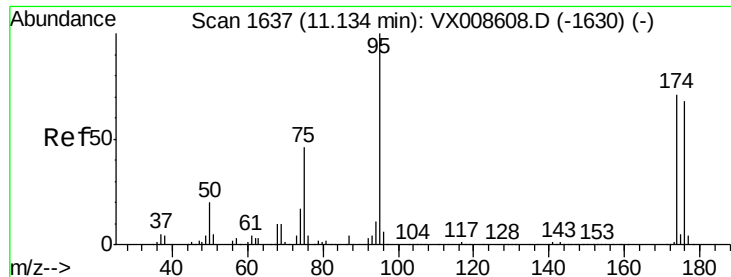
10000

5000

0

Time-->

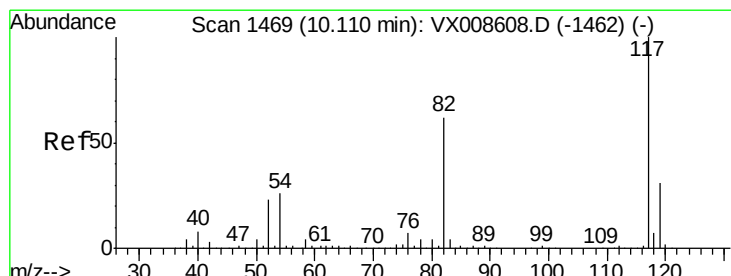
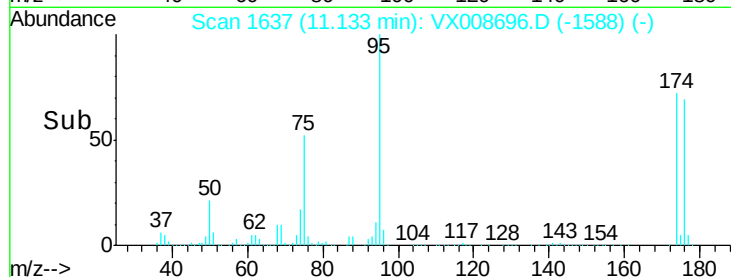
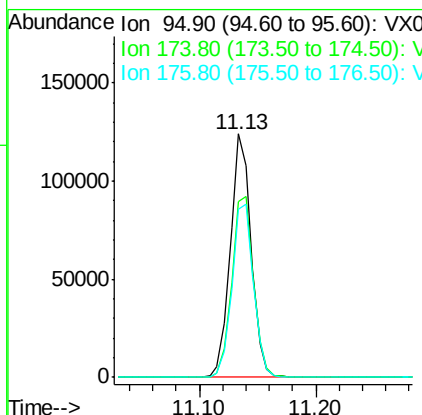
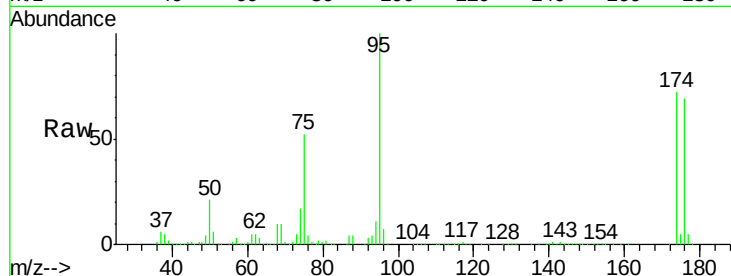




#62
4-Bromofluorobenzene
Concen: 48.590 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008696.D
Acq: 05 Apr 2019 20:53

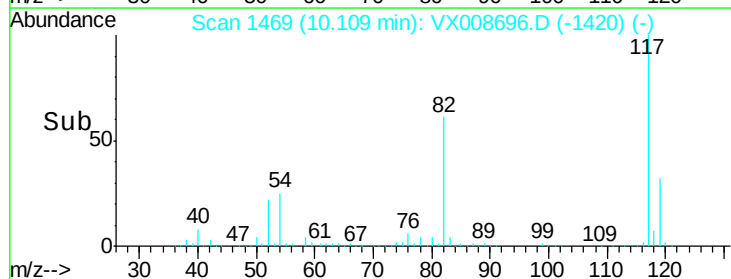
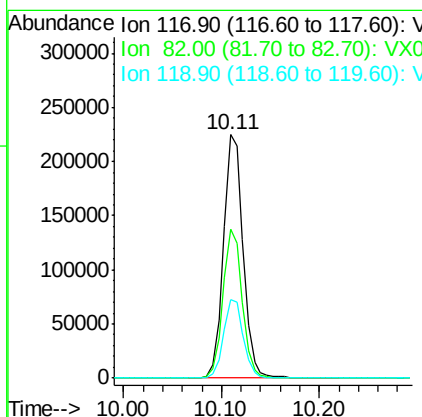
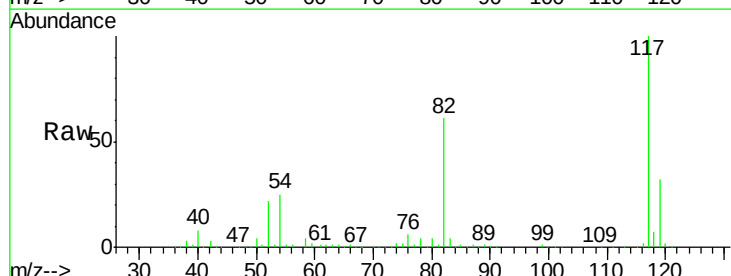
Instrument :
MSVOA_X
ClientSampleId :
SS037MW311-190404DL

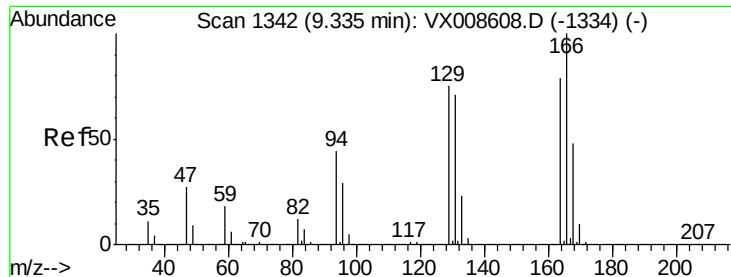
Tot Ion: 95 Resp: 154399
Ion Ratio Lower Upper
95 100
174 77.4 0.0 151.8
176 73.9 0.0 145.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008696.D
Acq: 05 Apr 2019 20:53

Tgt Ion: 117 Resp: 311317
Ion Ratio Lower Upper
117 100
82 61.3 49.6 74.4
119 32.3 25.0 37.4

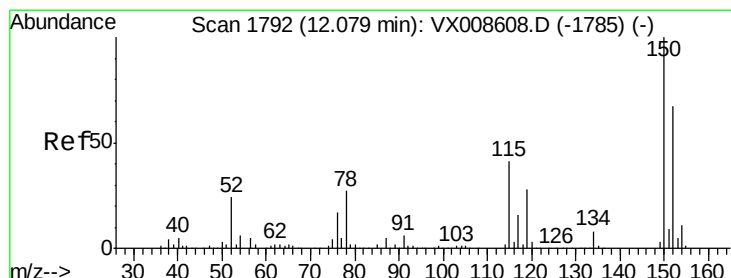
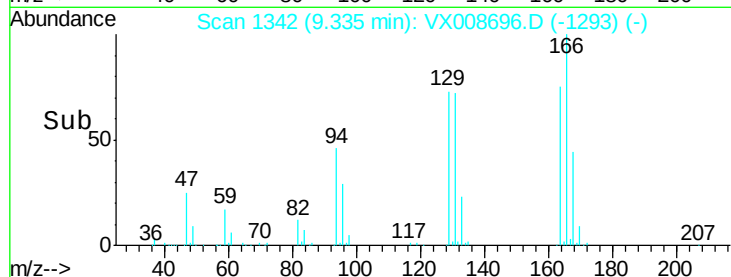
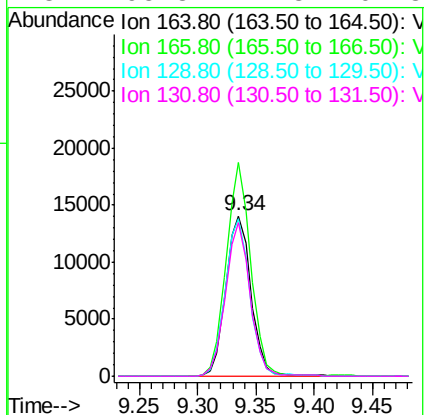
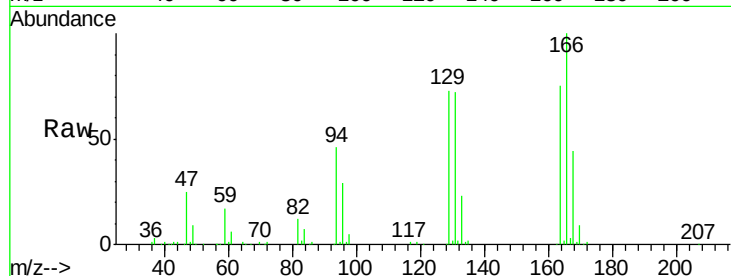




#64
Tetrachloroethene
Concen: 9.146 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008696.D
Acq: 05 Apr 2019 20:53

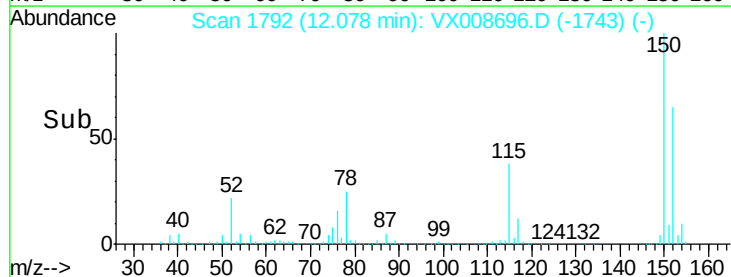
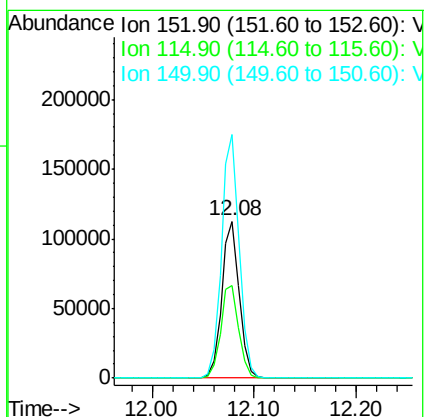
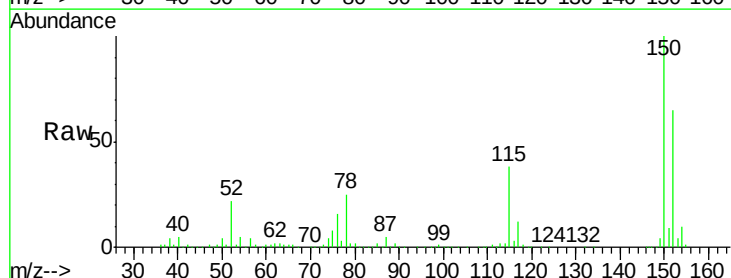
Instrument :
MSVOA_X
ClientSampleId :
SS037MW311-190404DL

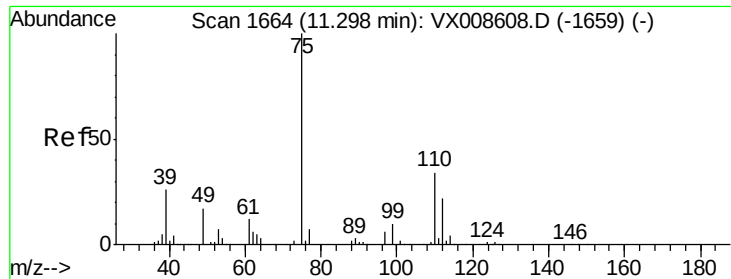
Tot Ion:164 Resp: 21095
Ion Ratio Lower Upper
164 100
166 133.4 101.0 151.6
129 98.0 75.8 113.8
131 95.8 71.8 107.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008696.D
Acq: 05 Apr 2019 20:53

Tgt Ion:152 Resp: 133757
Ion Ratio Lower Upper
152 100
115 61.3 43.5 130.5
150 157.5 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 21.407 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

Instrument :

MSVOA_X

ClientSampleId :

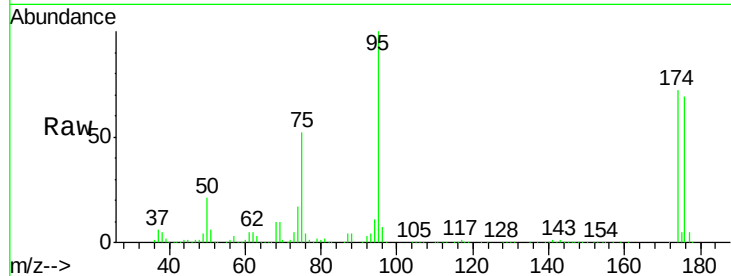
SS037MW311-190404DL

Tot Ion: 75 Resp: 78659

Ion Ratio Lower Upper

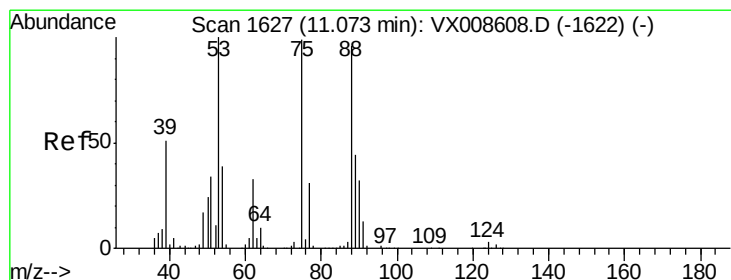
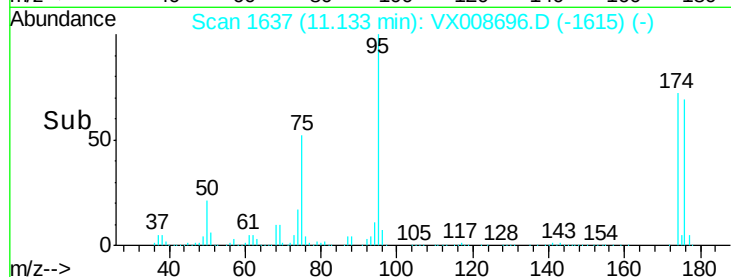
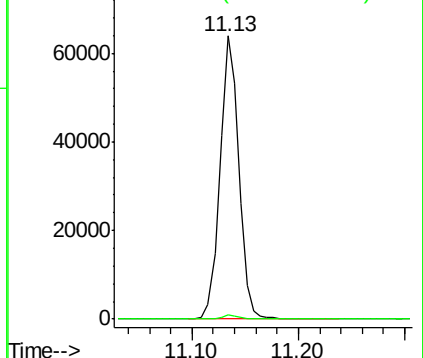
75 100

77 1.4 22.3 66.8#



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: 59.010 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008696.D

Acq: 05 Apr 2019 20:53

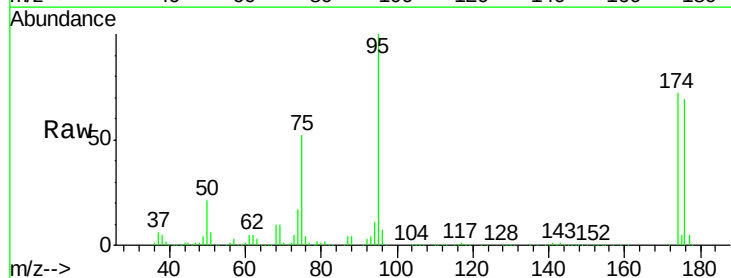
Tgt Ion: 75 Resp: 78659

Ion Ratio Lower Upper

75 100

53 0.1 81.3 121.9#

89 0.0 35.6 53.4#



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

