

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
 Data File : VX008663.D
 Acq On : 05 Apr 2019 02:36
 Operator : JC/SP
 Sample : K2274-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW162-190402

Quant Time: Apr 05 07:14:40 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	5.67	168	212152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	357907	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127241	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	148105	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
35) Dibromofluoromethane	5.50	113	109074	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	8.71	98	444169	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	11.13	95	148108	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	

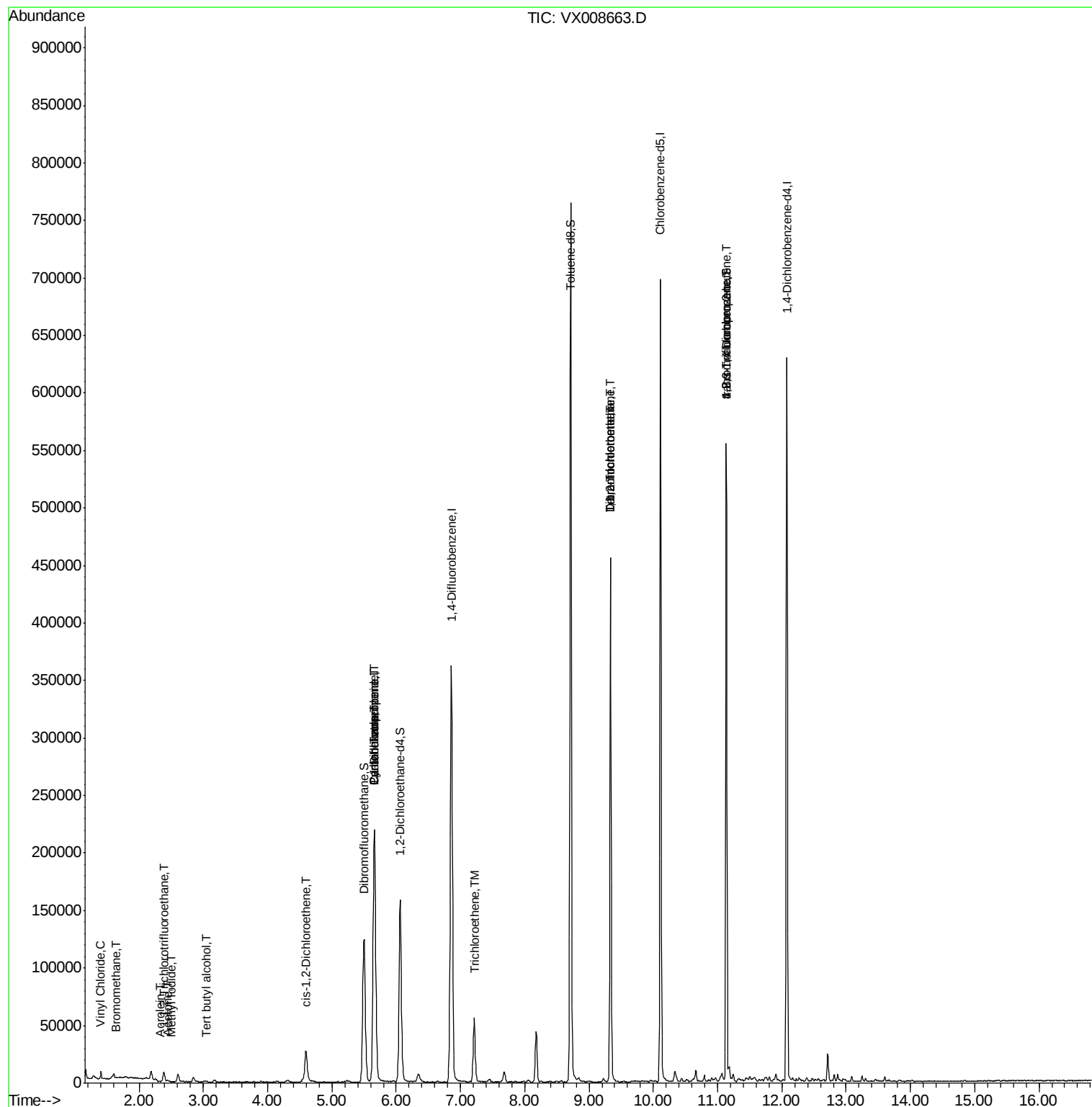
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	688	Below Cal	#	85
4) Vinyl Chloride	1.40	62	4152	1.258	ug/l	99
5) Bromomethane	1.65	94	279	2.050	ug/l #	77
6) Chloroethane	1.70	64	2861	Below Cal	#	58
9) 1,1,2-Trichlorotrifluoroet	2.39	101	2969	1.264	ug/l	95
10) Methyl Iodide	2.51	142	71	4.034	ug/l #	42
11) Tert butyl alcohol	3.04	59	976	1.347	ug/l #	81
13) Acrolein	2.32	56	107	0.298	ug/l #	69
16) Acetone	2.44	43	941	0.528	ug/l #	84
17) Carbon Disulfide	2.57	76	576	Below Cal	#	50
27) cis-1,2-Dichloroethene	4.60	96	16057	5.264	ug/l	90
28) Bromochloromethane	5.01	49	38	Below Cal	#	22
31) Cyclohexane	5.67	56	5026	0.940	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17338	4.432	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21186	6.543	ug/l #	17
44) Trichloroethene	7.21	130	21116	7.779	ug/l	94
55) 1,1,2-Trichloroethane	9.34	97	826	0.299	ug/l #	1
60) Dibromochloromethane	9.34	129	83066	31.959	ug/l #	11
64) Tetrachloroethene	9.34	164	85651	37.910	ug/l	99
76) 1,2,3-Trichloropropane	11.13	75	75065	21.475	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	75065	59.197	ug/l #	9

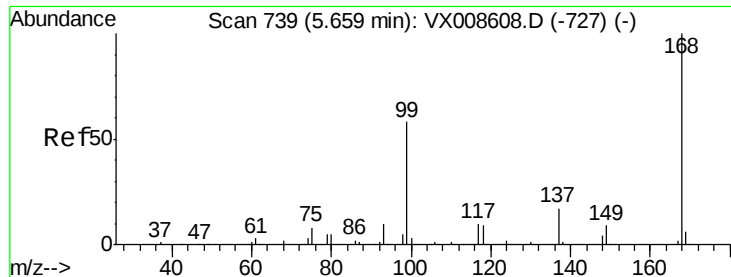
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040419\
Data File : VX008663.D
Acq On : 05 Apr 2019 02:36
Operator : JC/SP
Sample : K2274-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-190402

Quant Time: Apr 05 07:14:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

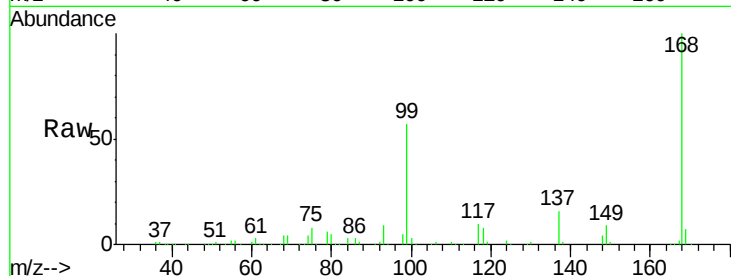
SS037MW162-190402

Tgt Ion:168 Resp: 212152

Ion Ratio Lower Upper

168 100

99 56.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

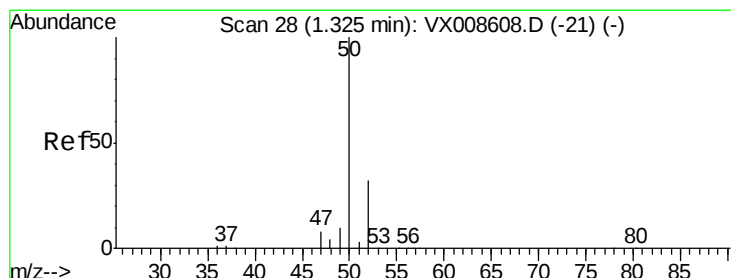
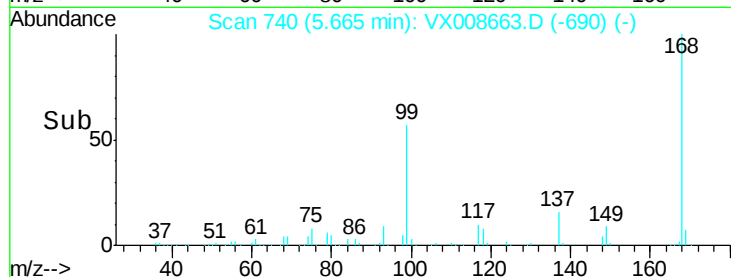
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX008663.D

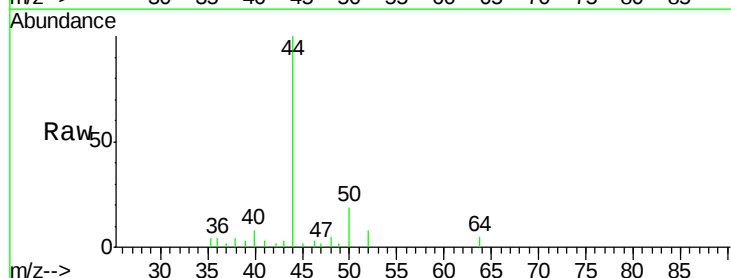
Acq: 05 Apr 2019 02:36

Tgt Ion: 50 Resp: 688

Ion Ratio Lower Upper

50 100

52 40.9 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

600

500

400

300

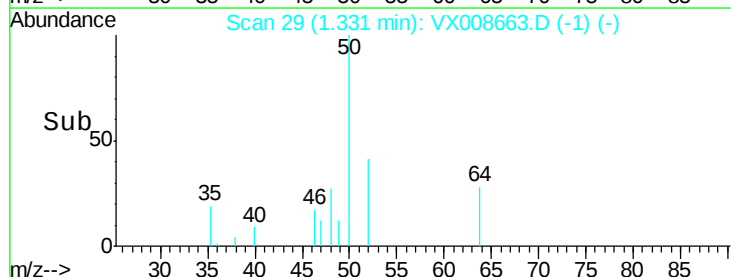
200

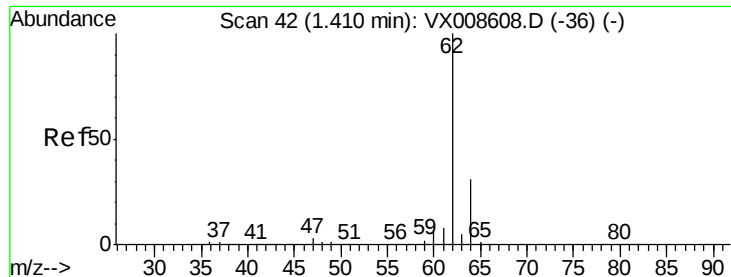
100

0

Time-->

1.30 1.35





#4

Vinyl Chloride

Concen: 1.258 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

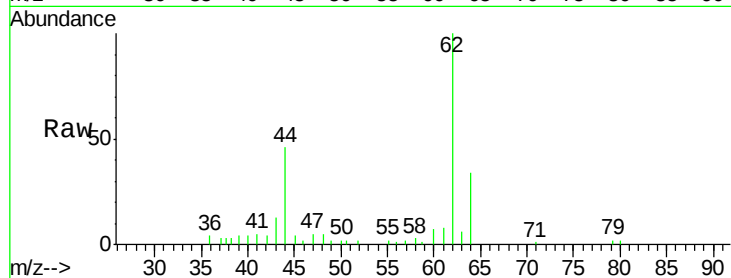
SS037MW162-190402

Tgt Ion: 62 Resp: 4152

Ion Ratio Lower Upper

62 100

64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

4000

3000

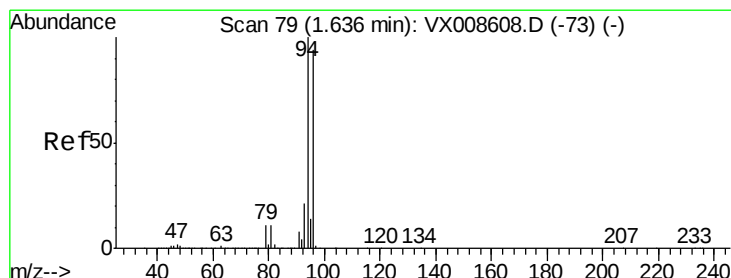
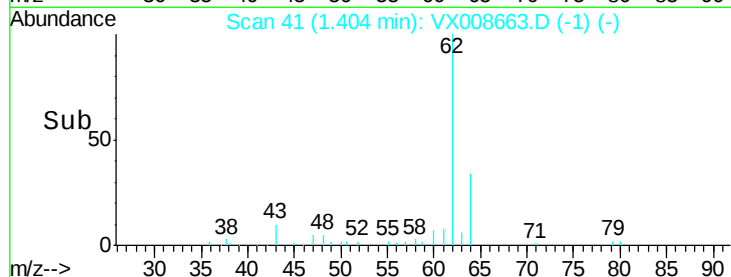
2000

1000

0

Time-->

1.35 1.40 1.45



#5

Bromomethane

Concen: 2.050 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008663.D

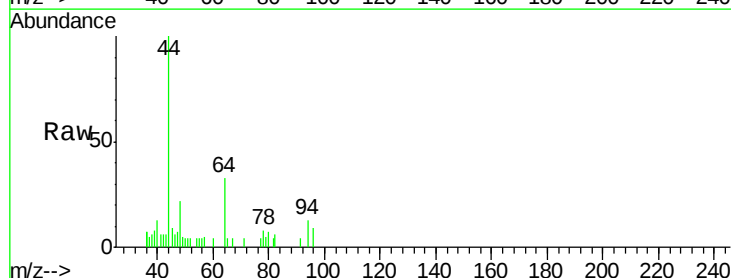
Acq: 05 Apr 2019 02:36

Tgt Ion: 94 Resp: 279

Ion Ratio Lower Upper

94 100

96 71.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

150

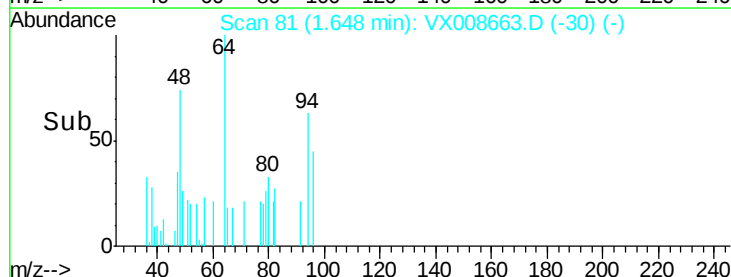
100

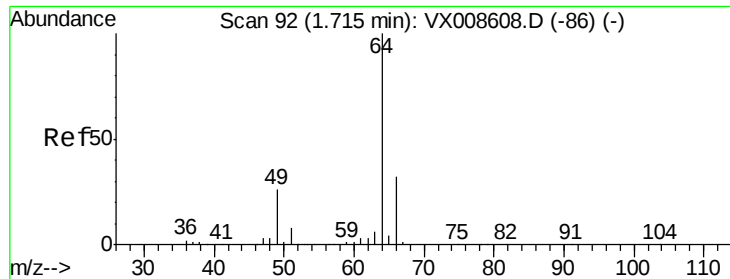
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

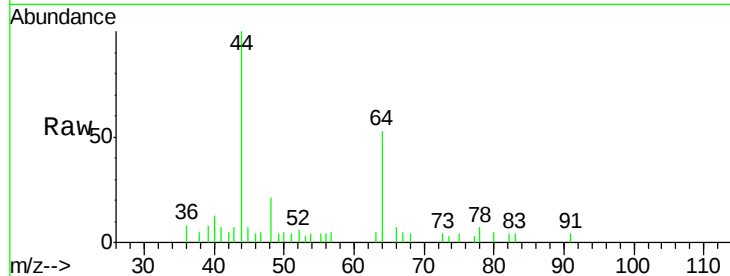
SS037MW162-190402

Tgt Ion: 64 Resp: 2861

Ion Ratio Lower Upper

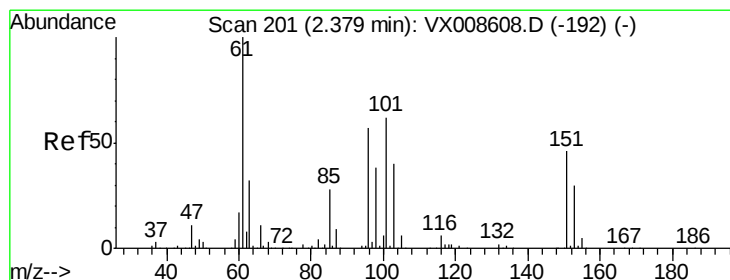
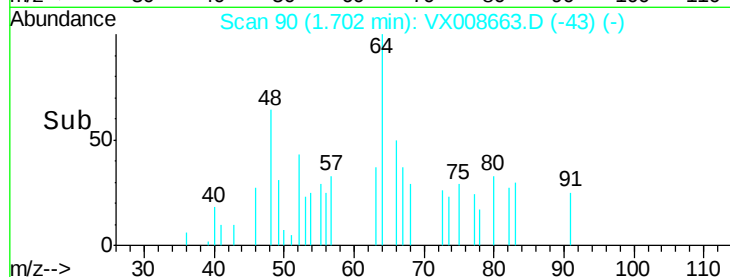
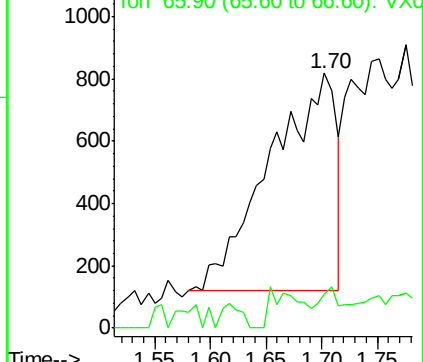
64 100

66 8.5 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.264 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

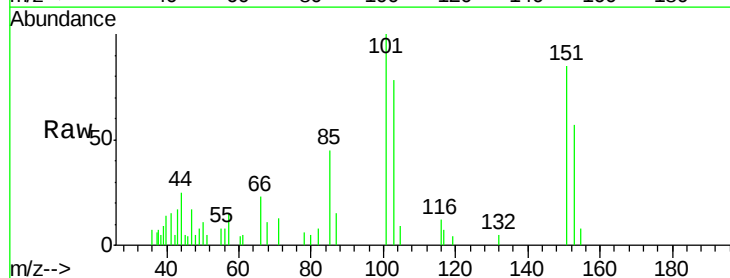
Tgt Ion: 101 Resp: 2969

Ion Ratio Lower Upper

101 100

85 48.3 36.0 54.0

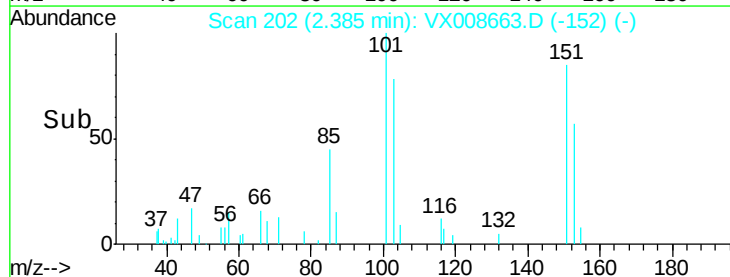
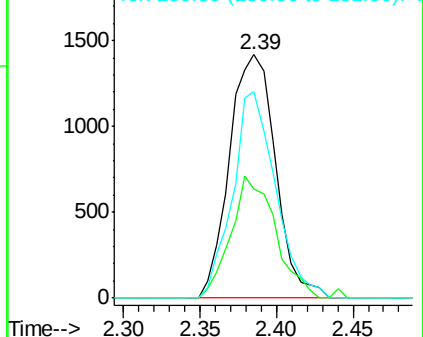
151 79.2 59.9 89.9

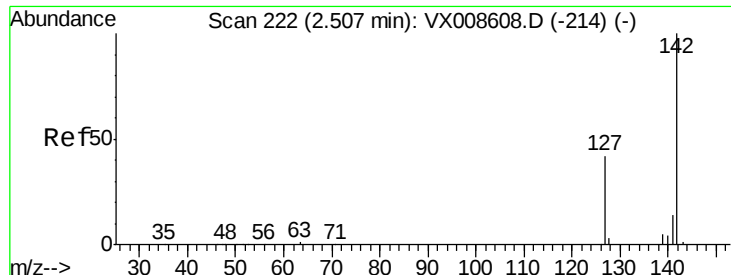


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

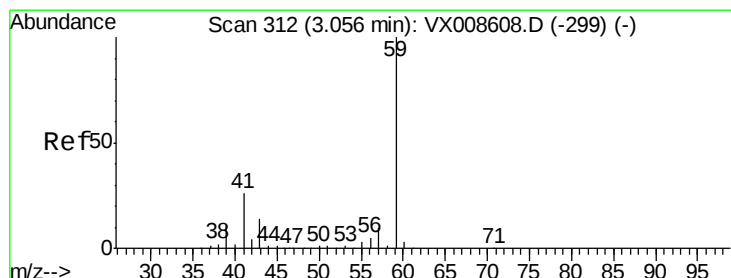
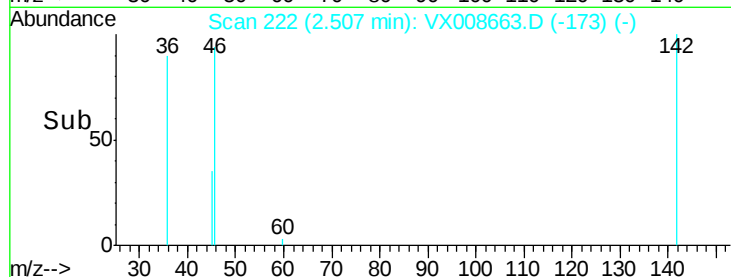
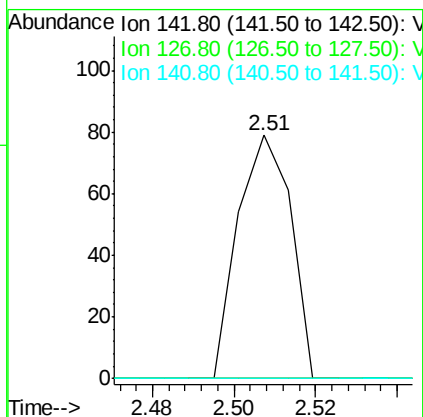
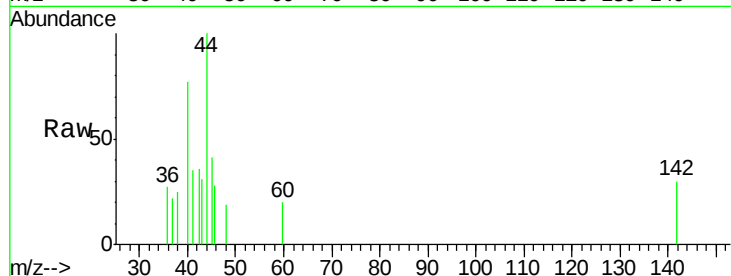




#10
Methyl Iodide
Concen: 4.034 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008663.D
Acq: 05 Apr 2019 02:36

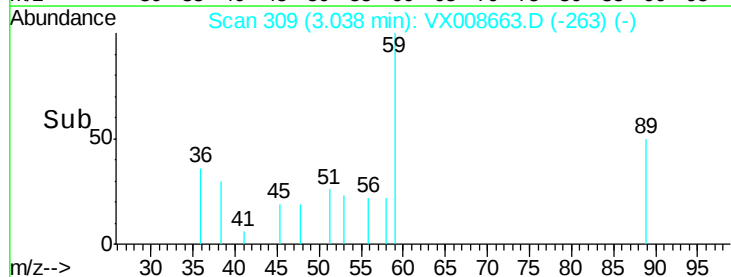
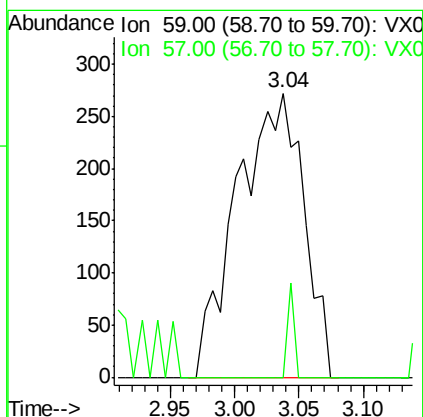
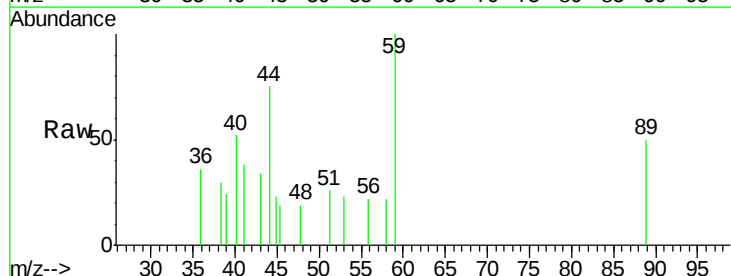
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-190402

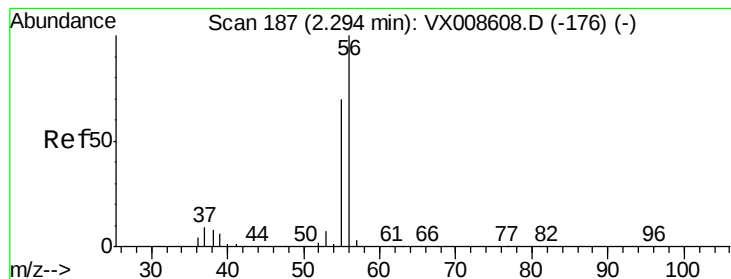
Tgt Ion: 142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.347 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.02 min
Lab File: VX008663.D
Acq: 05 Apr 2019 02:36

Tgt Ion: 59 Resp: 976
Ion Ratio Lower Upper
59 100
57 3.4 8.3 12.5#





#13

Acrolein

Concen: 0.298 ug/l

RT: 2.32 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

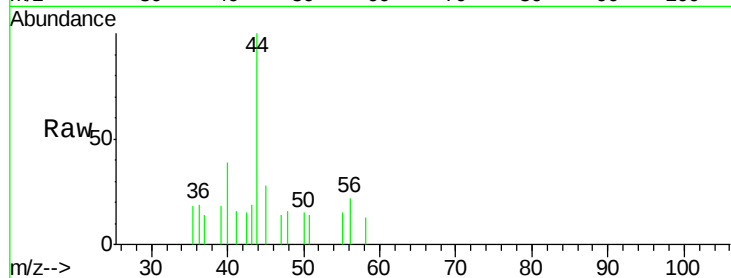
SS037MW162-190402

Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

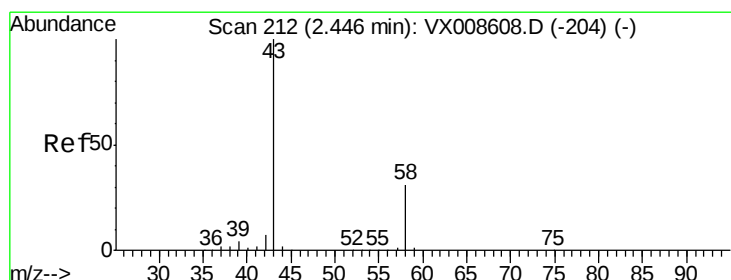
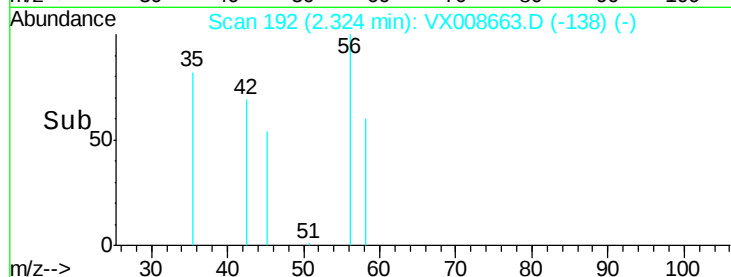
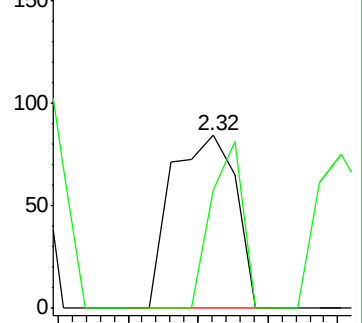
56 100

55 46.7 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.528 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008663.D

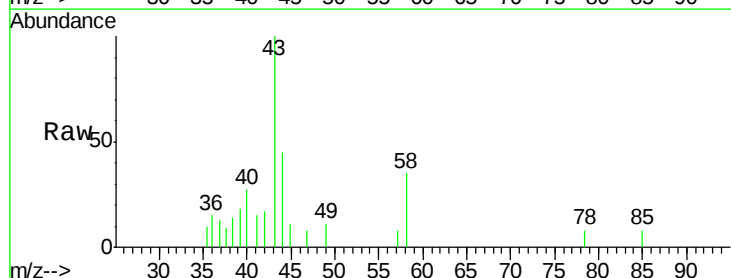
Acq: 05 Apr 2019 02:36

Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

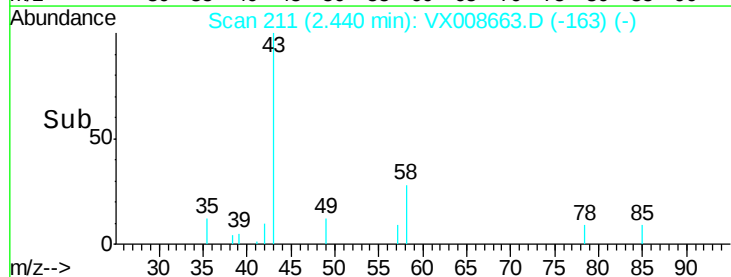
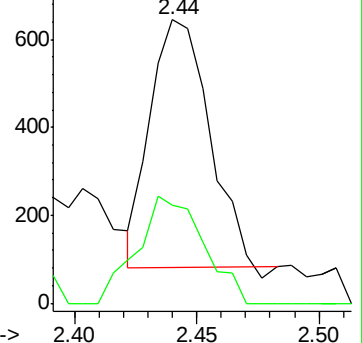
43 100

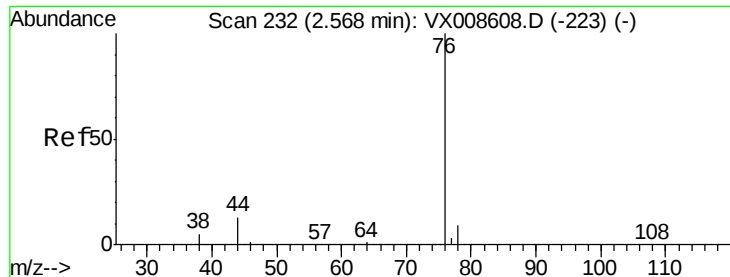
58 39.9 24.8 37.2#



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# 232

Delta R.T. 0.00 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

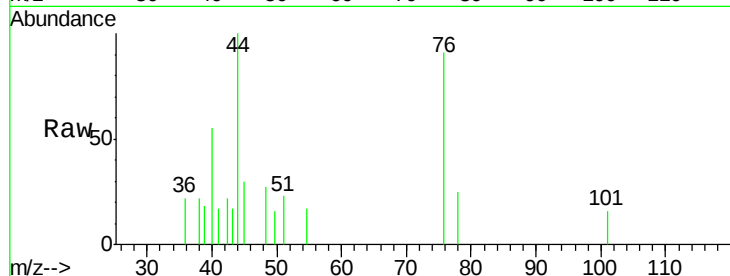
SS037MW162-190402

Tgt Ion: 76 Resp: 576

Ion Ratio Lower Upper

76 100

78 27.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

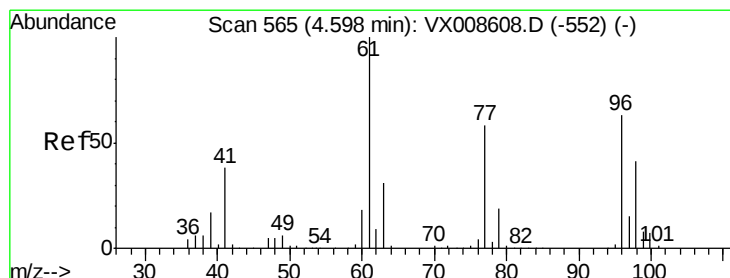
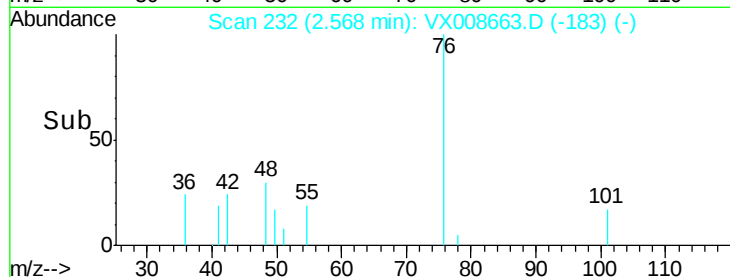
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 5.264 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

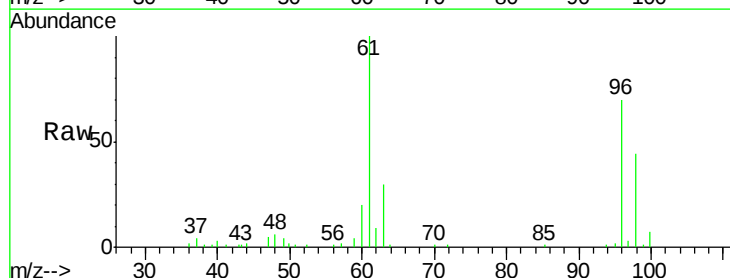
Tgt Ion: 96 Resp: 16057

Ion Ratio Lower Upper

96 100

61 146.7 0.0 327.6

98 65.4 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

10000

8000

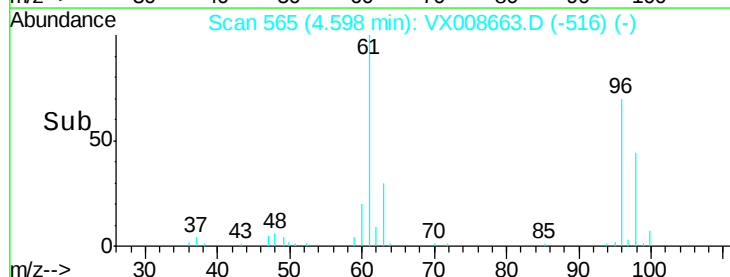
6000

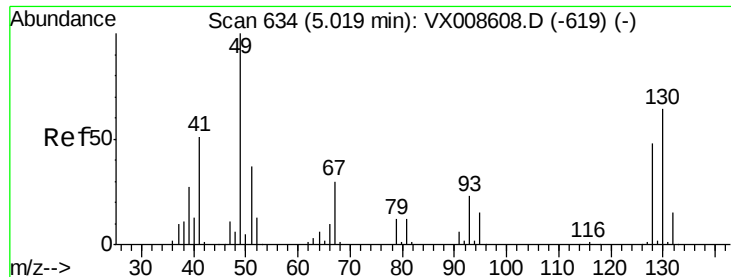
4000

2000

0

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

Delta R.T. -0.01 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-190402

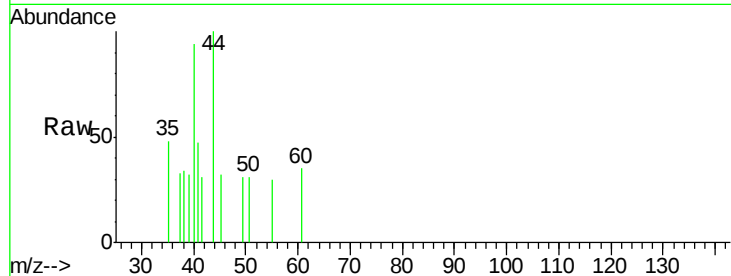
Tgt Ion: 49 Resp: 38

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

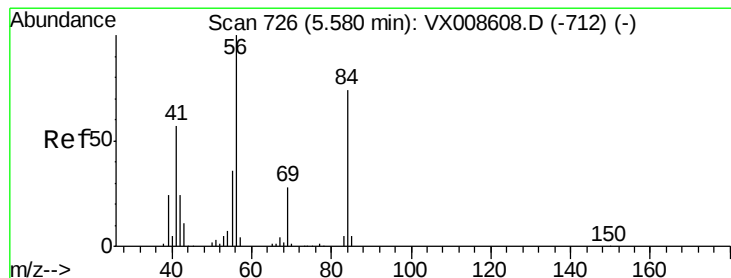
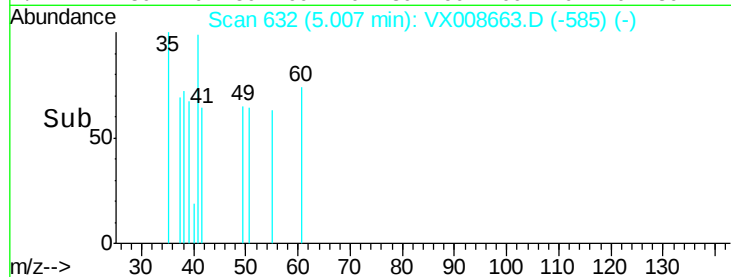
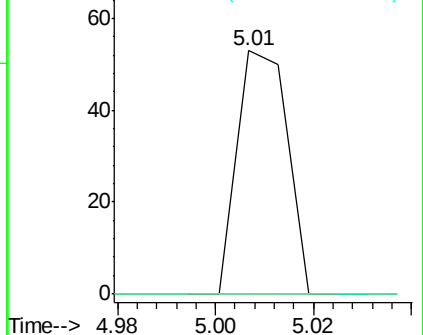
130 0.0 49.3 73.9#



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: 0.940 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

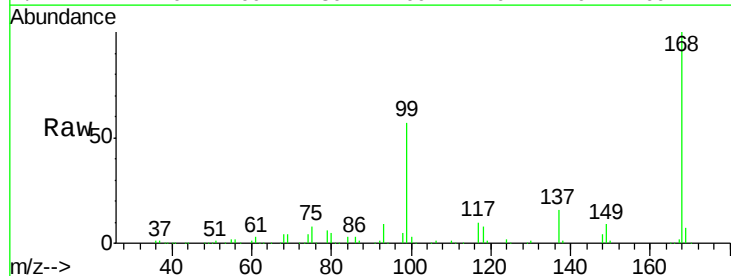
Tgt Ion: 56 Resp: 5026

Ion Ratio Lower Upper

56 100

69 172.0 22.6 33.8#

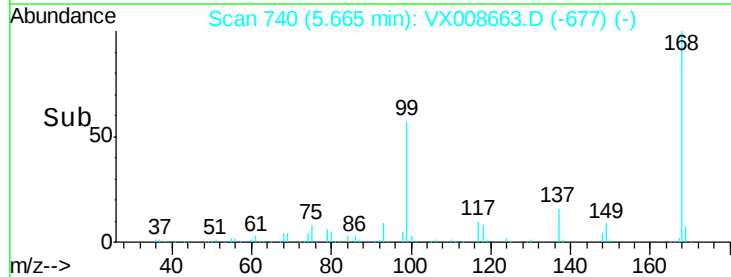
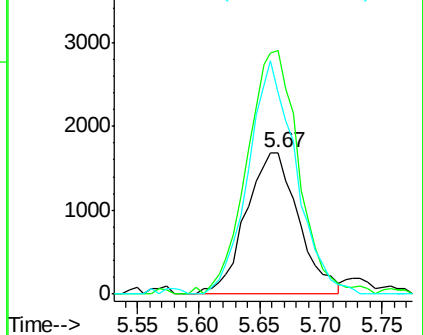
84 142.0 59.3 88.9#

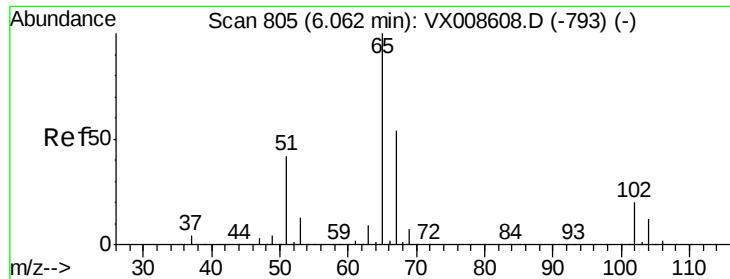


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

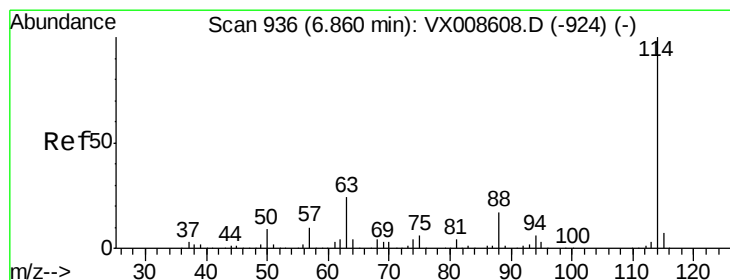
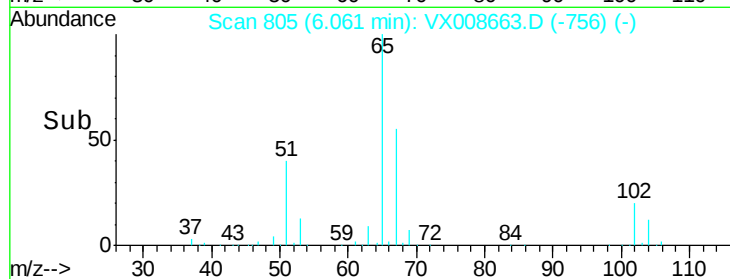
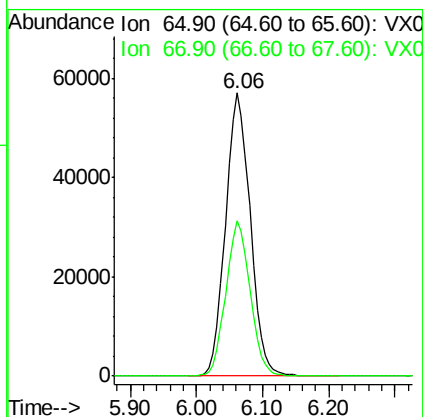
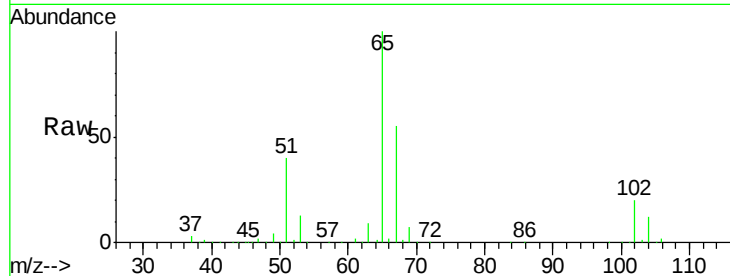




#33
 1,2-Dichloroethane-d4
 Concen: 47.863 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008663.D
 Acq: 05 Apr 2019 02:36

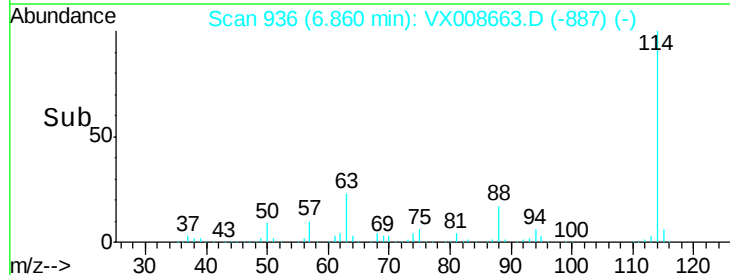
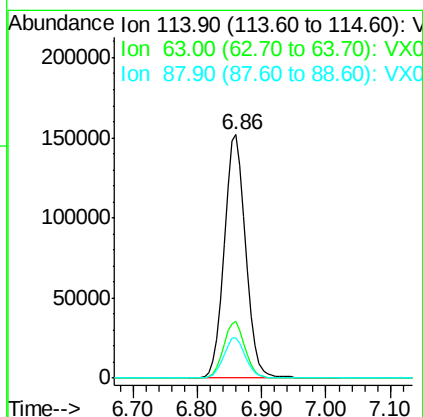
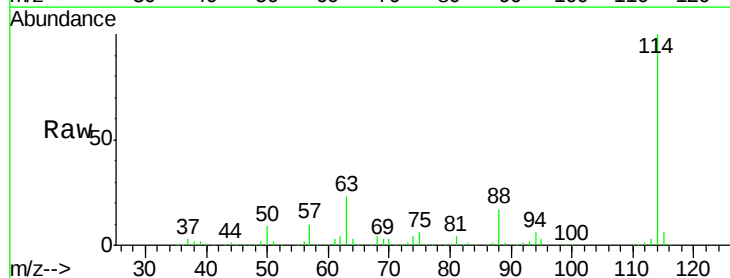
Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW162-190402

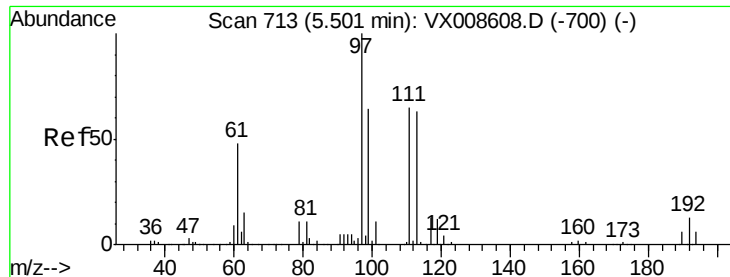
Tgt Ion: 65 Resp: 148105
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008663.D
 Acq: 05 Apr 2019 02:36

Tgt Ion: 114 Resp: 357907
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 47.2
 88 16.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 47.665 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-190402

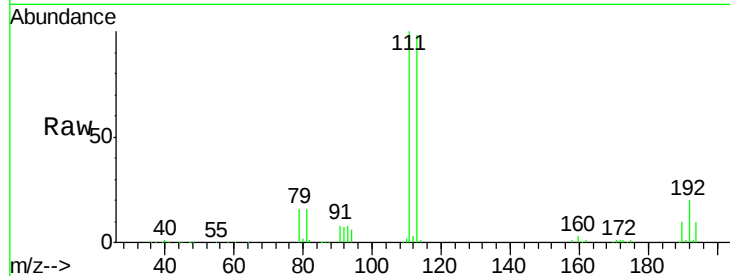
Tgt Ion:113 Resp: 109074

Ion Ratio Lower Upper

113 100

111 101.8 83.4 125.2

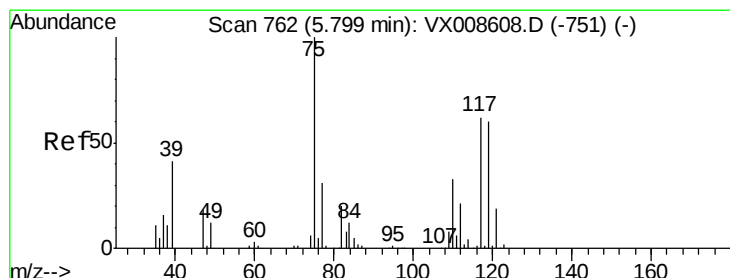
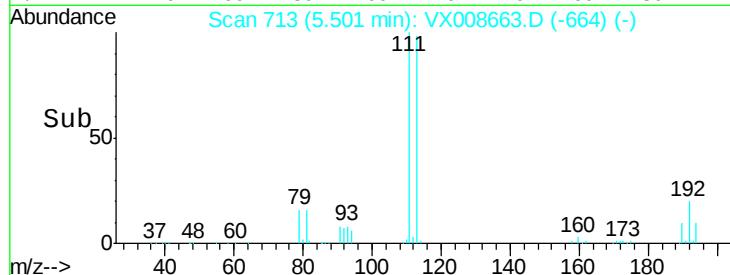
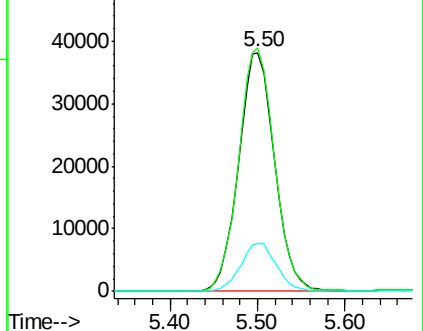
192 20.2 16.1 24.1



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: 4.432 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

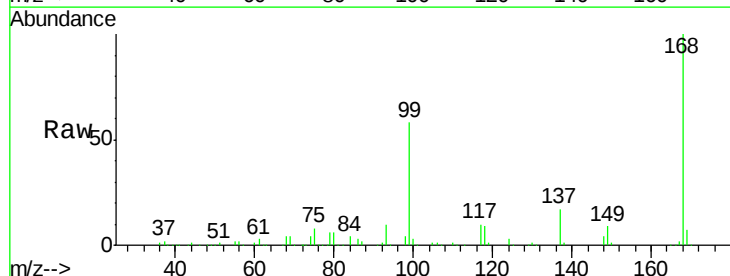
Tgt Ion: 75 Resp: 17338

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.2#

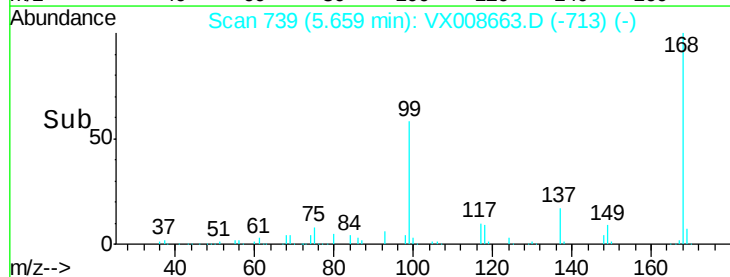
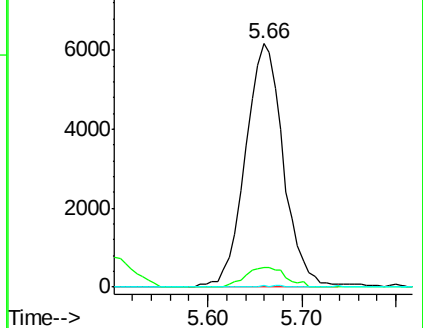
77 0.3 24.7 37.1#

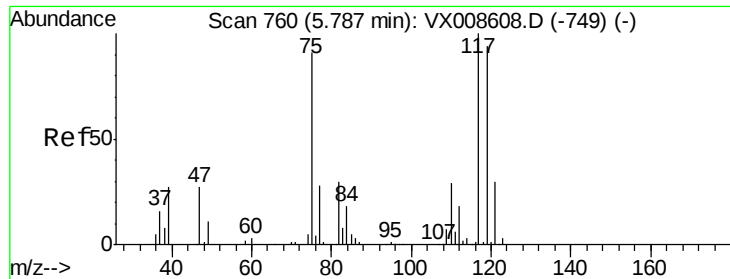


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

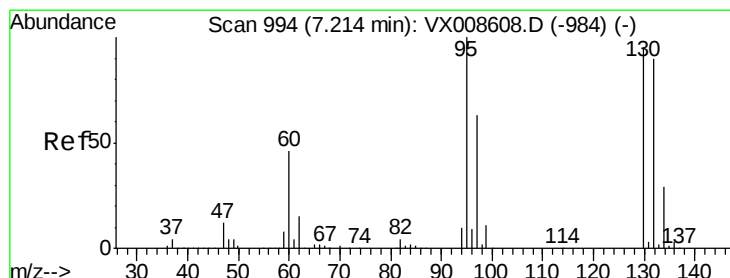
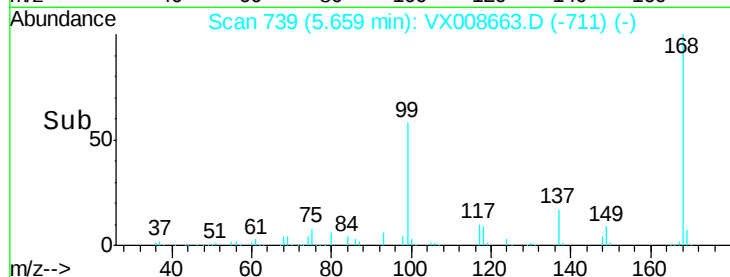
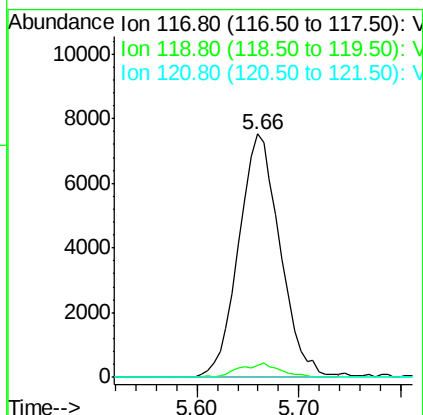
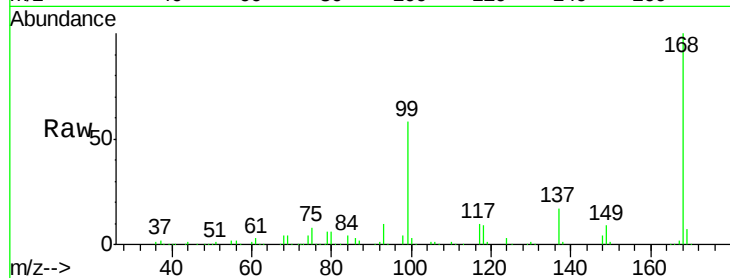




#38
Carbon Tetrachloride
Concen: 6.543 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008663.D
Acq: 05 Apr 2019 02:36

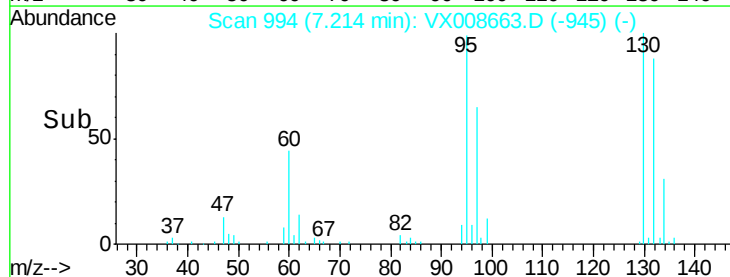
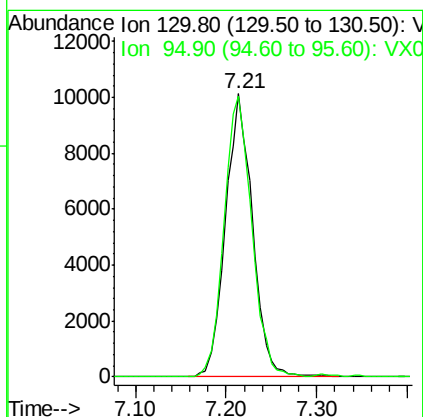
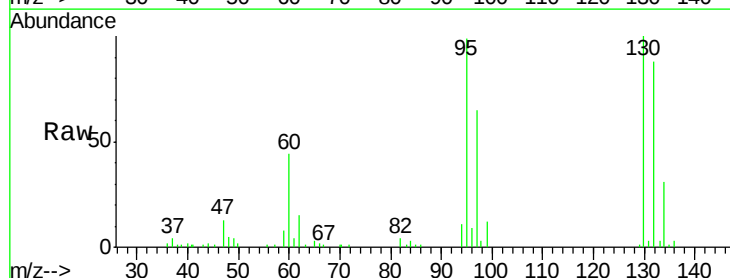
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-190402

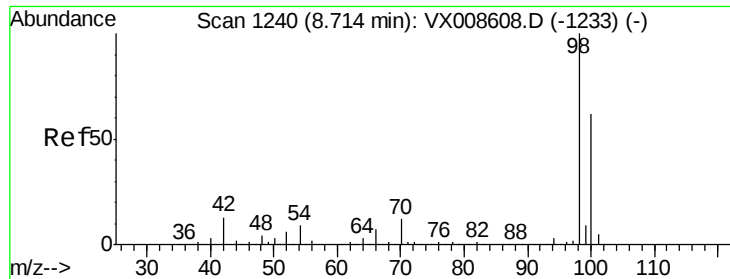
Tgt Ion:117 Resp: 21186
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 24.3 36.5#



#44
Trichloroethene
Concen: 7.779 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008663.D
Acq: 05 Apr 2019 02:36

Tgt Ion:130 Resp: 21116
Ion Ratio Lower Upper
130 100
95 99.1 0.0 209.8





#50

Toluene-d8

Concen: 48.748 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

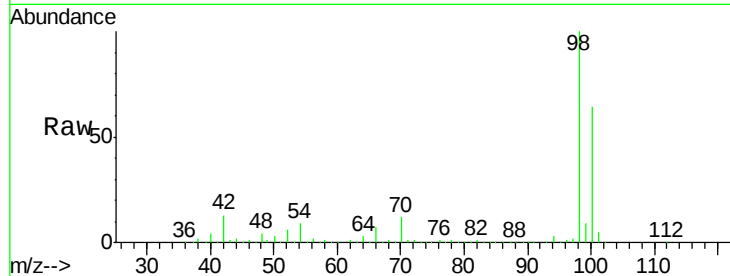
SS037MW162-190402

Tgt Ion: 98 Resp: 444169

Ion Ratio Lower Upper

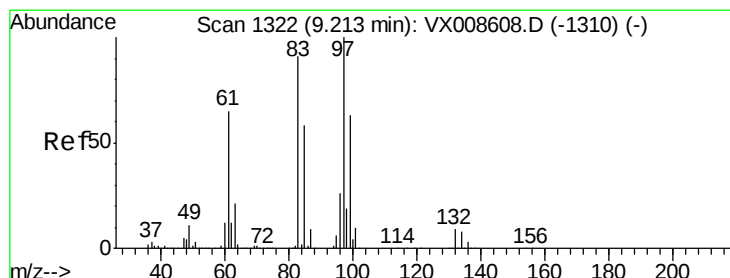
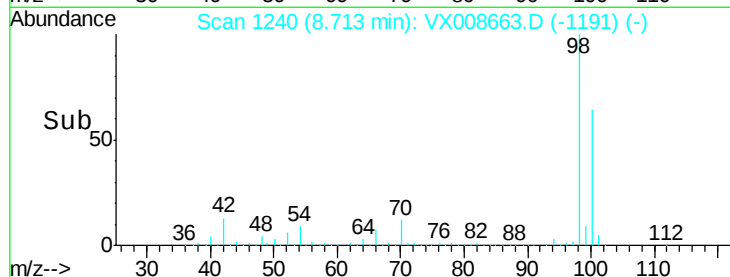
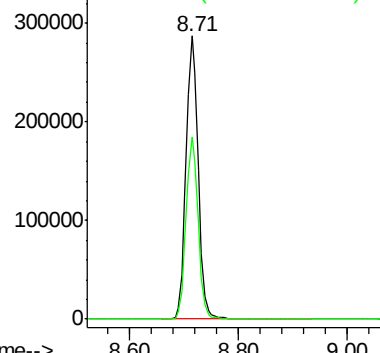
98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#55

1,1,2-Trichloroethane

Concen: 0.299 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX008663.D

Acq: 05 Apr 2019 02:36

Tgt Ion: 97 Resp: 826

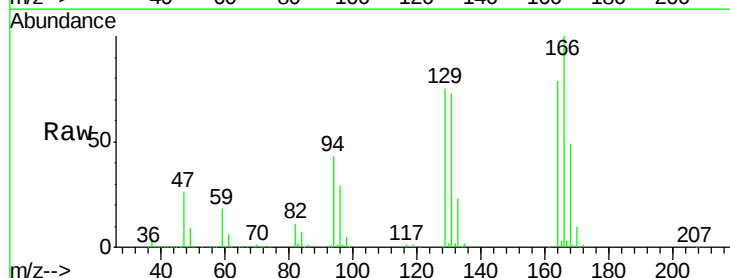
Ion Ratio Lower Upper

97 100

83 253.9 73.2 109.8#

85 32.5 46.6 69.8#

99 12.7 50.1 75.1#

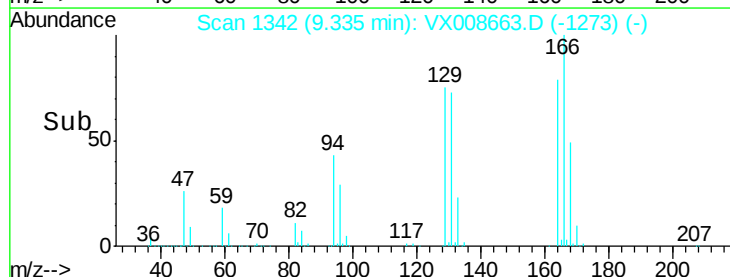
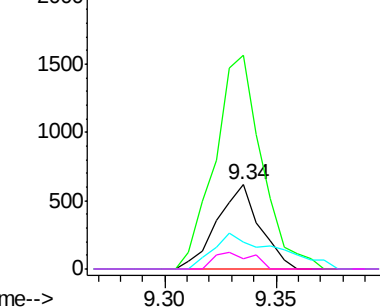


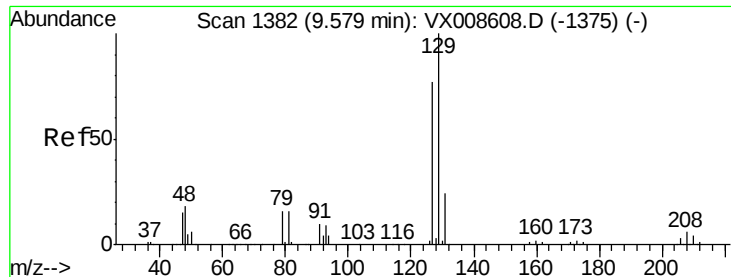
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

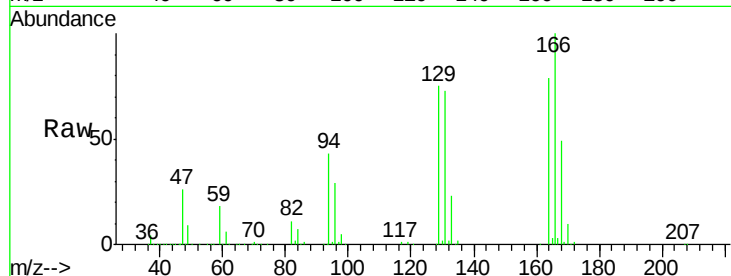




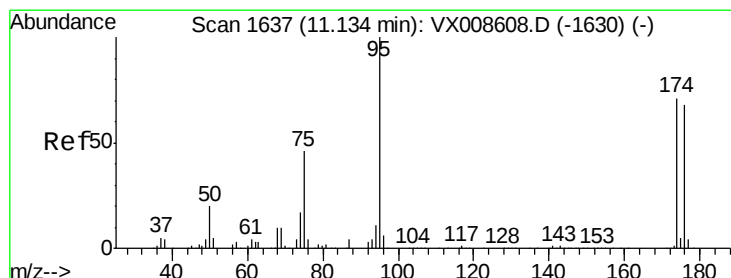
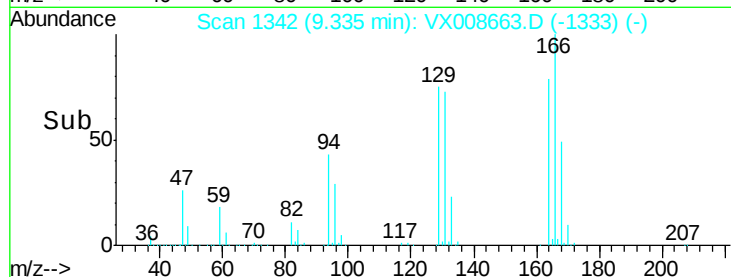
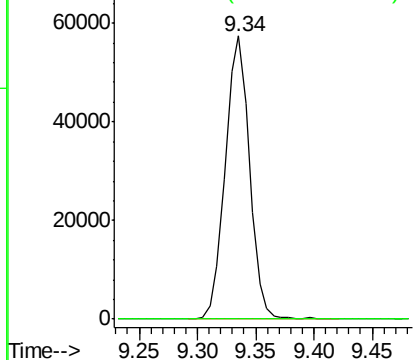
#60
 Dibromochloromethane
 Concen: 31.959 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008663.D
 Acq: 05 Apr 2019 02:36

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW162-190402

Tgt Ion: 129 Resp: 83066
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

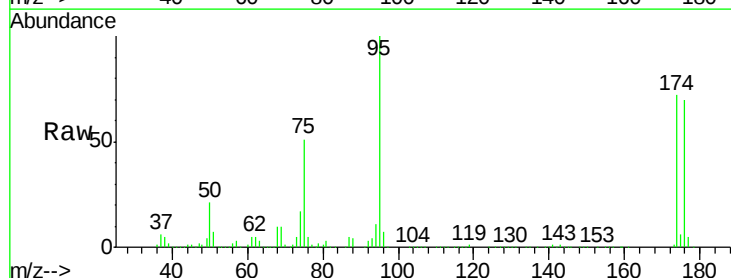


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

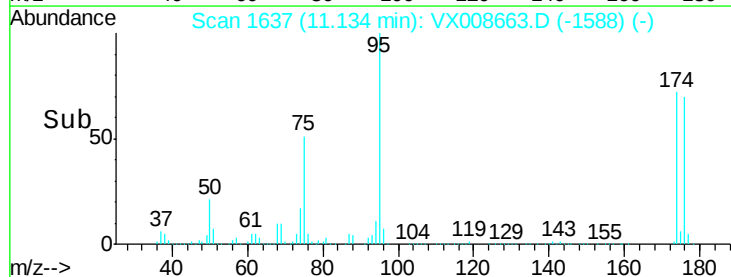
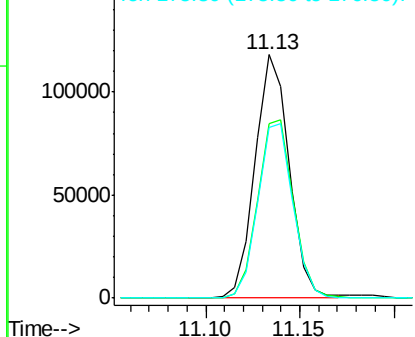


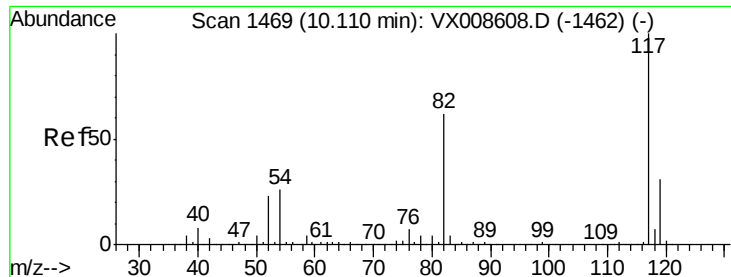
#62
 4-Bromofluorobenzene
 Concen: 45.839 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008663.D
 Acq: 05 Apr 2019 02:36

Tgt Ion: 95 Resp: 148108
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 151.8
 176 74.3 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

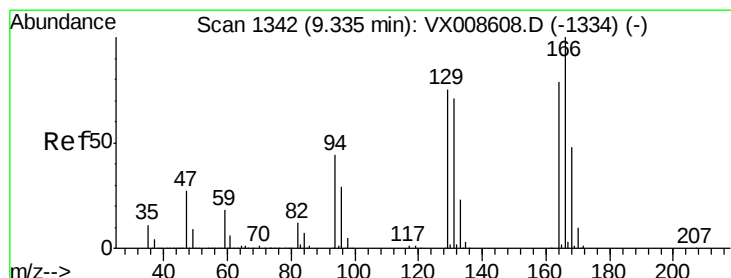
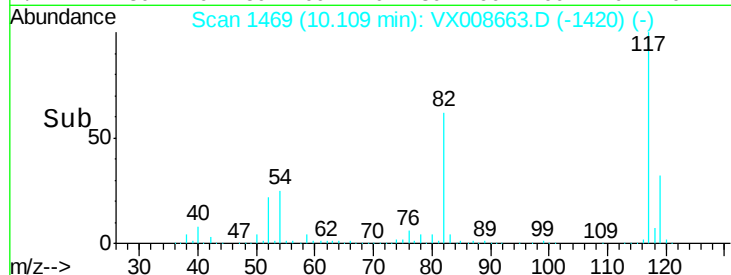
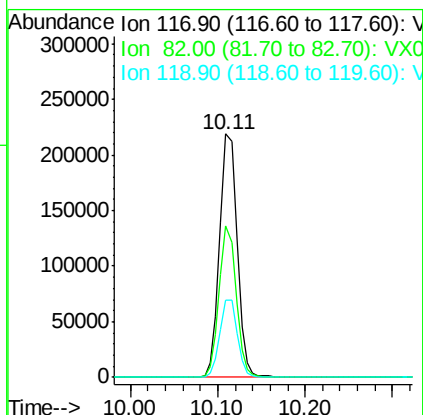
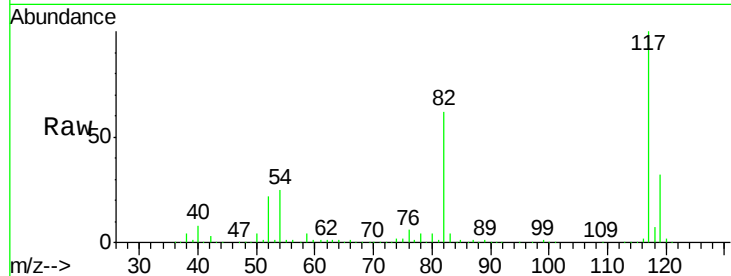




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008663.D
Acq: 05 Apr 2019 02:36

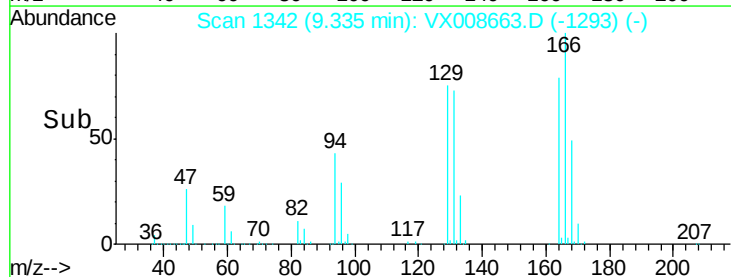
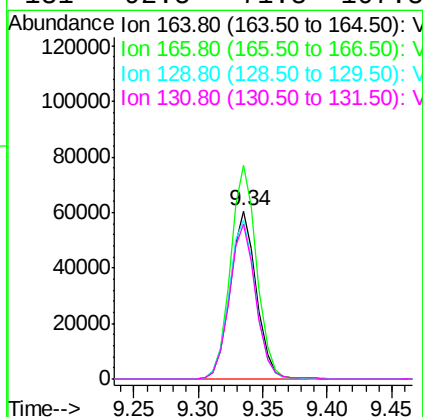
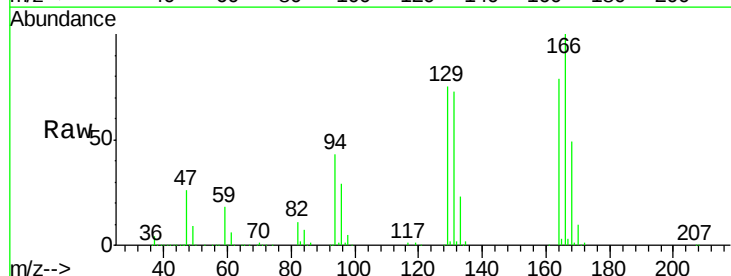
Instrument :
MSVOA_X
ClientSampleId :
SS037MW162-190402

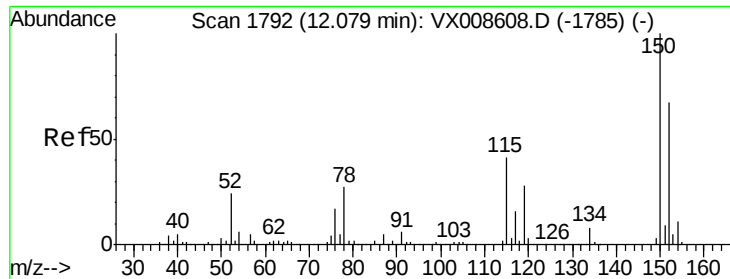
Tgt Ion:117 Resp: 304943
Ion Ratio Lower Upper
117 100
82 62.0 49.6 74.4
119 32.0 25.0 37.4



#64
Tetrachloroethene
Concen: 37.910 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008663.D
Acq: 05 Apr 2019 02:36

Tgt Ion:164 Resp: 85651
Ion Ratio Lower Upper
164 100
166 127.3 101.0 151.6
129 95.0 75.8 113.8
131 92.5 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: VX008663.D

Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-190402

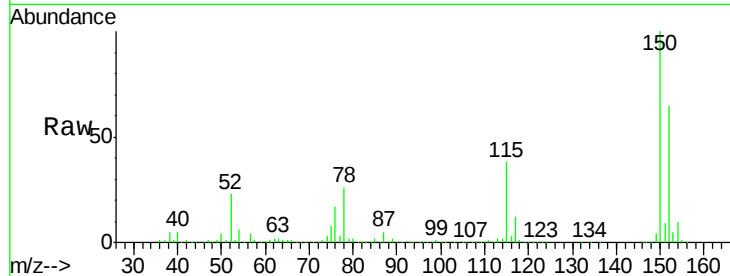
Tgt Ion: 152 Resp: 127241

Ion Ratio Lower Upper

152 100

115 60.0 43.5 130.5

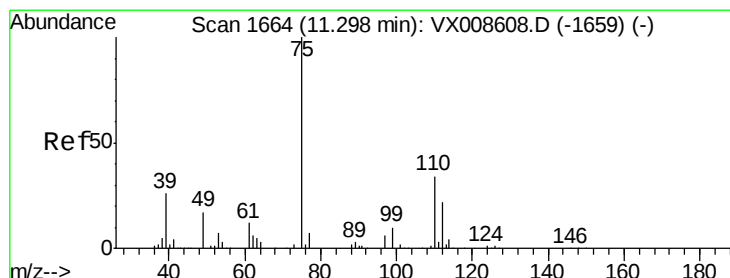
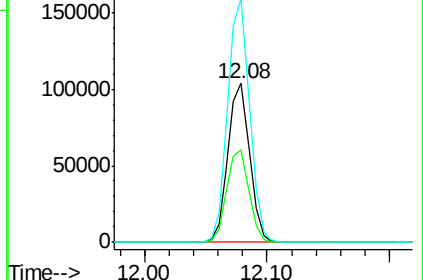
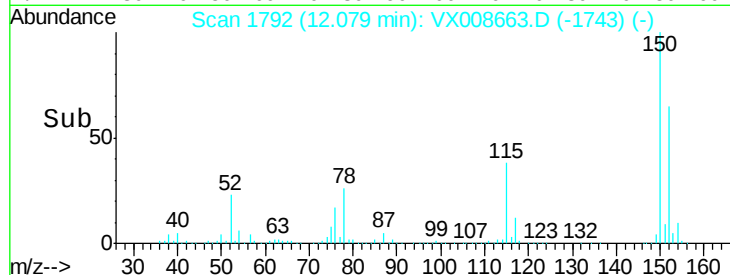
150 154.4 0.0 348.8



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



#76

1,2,3-Trichloropropane

Concen: 21.475 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008663.D

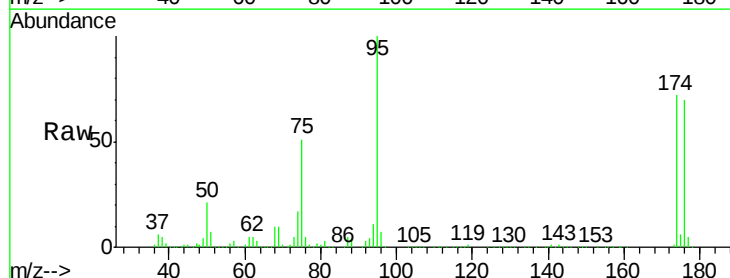
Acq: 05 Apr 2019 02:36

Tgt Ion: 75 Resp: 75065

Ion Ratio Lower Upper

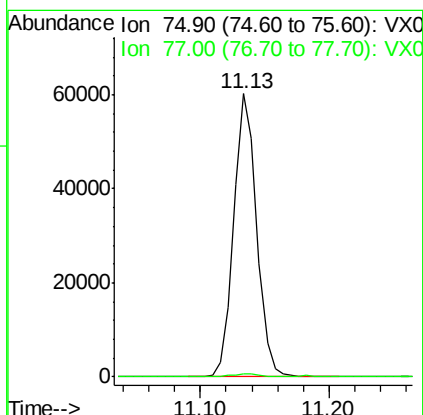
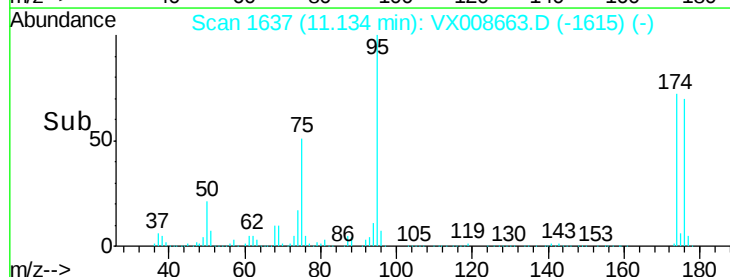
75 100

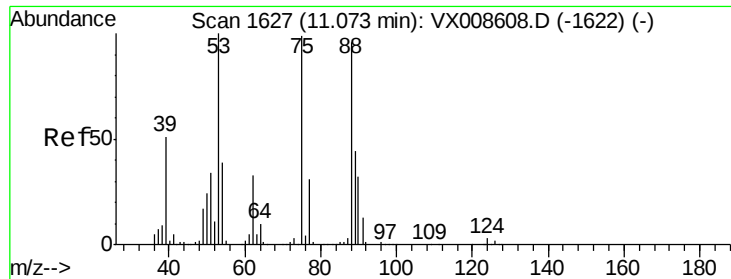
77 1.6 22.3 66.8#



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: 59.197 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008663.D

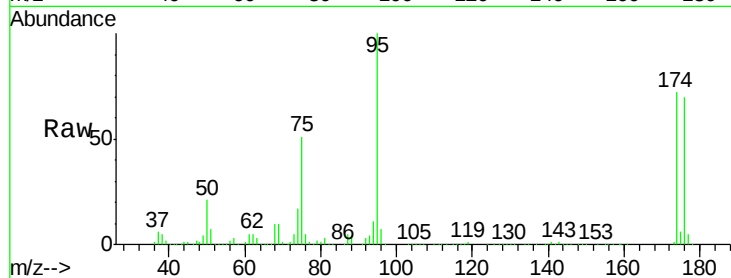
Acq: 05 Apr 2019 02:36

Instrument :

MSVOA_X

ClientSampleId :

SS037MW162-190402



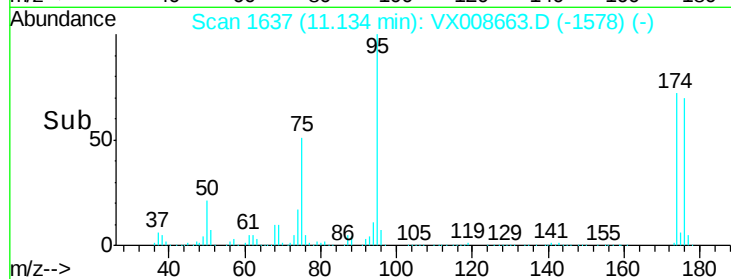
Tgt Ion: 75 Resp: 75065

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

