

Data File : VX008805.D
Acq On : 10 Apr 2019 15:10
Operator : JC/SP
Sample : K2349-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-190408

Quant Time: Apr 11 05:43:18 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	209977	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	343198	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	296557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	138973	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	5.50	113	103292	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
50) Toluene-d8	8.71	98	430665	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	11.13	95	144979	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	

Target Compounds

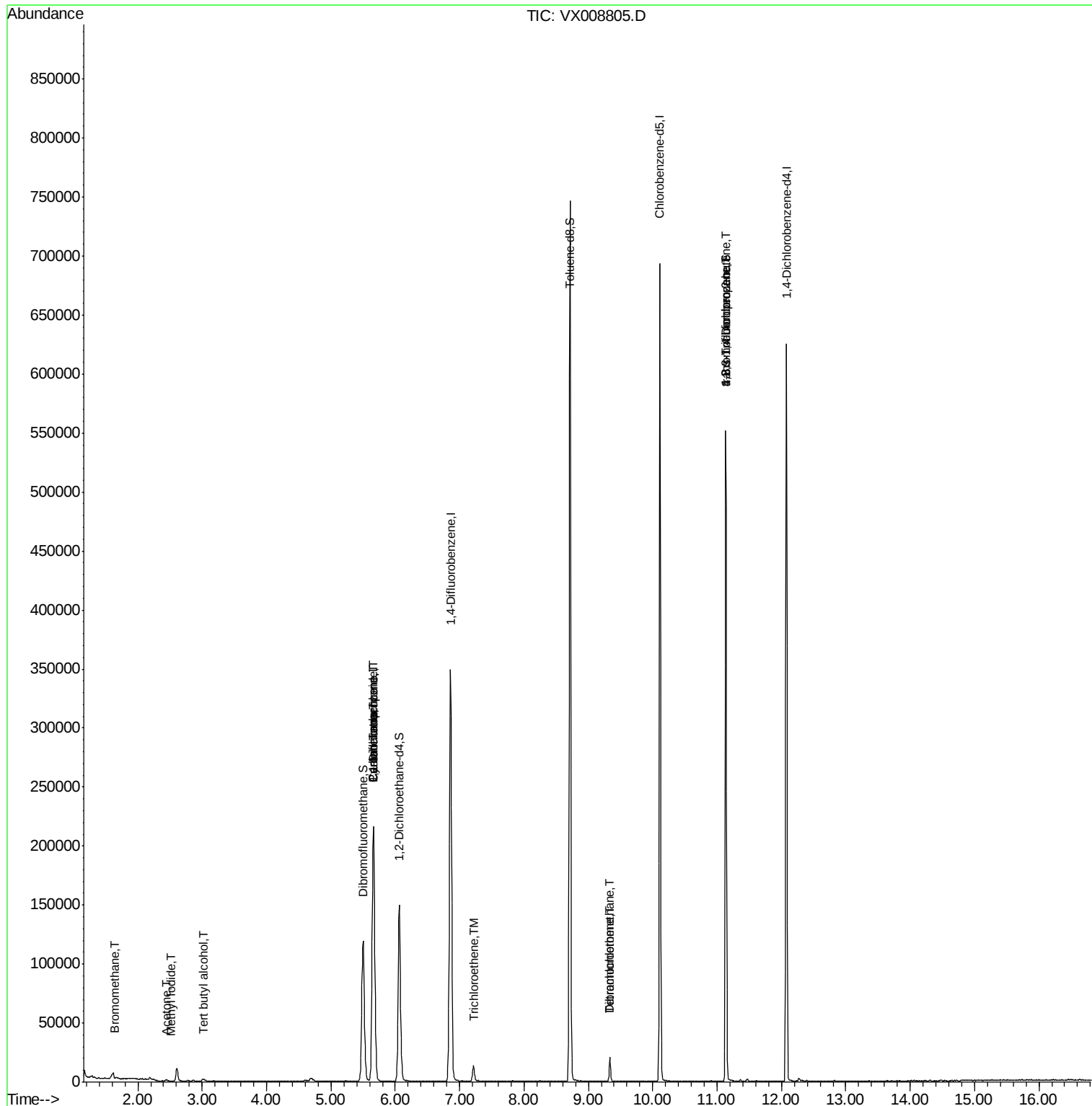
					Qvalue	
3) Chloromethane	1.32	50	616	Below Cal	#	70
5) Bromomethane	1.65	94	394	2.121	ug/l	85
6) Chloroethane	1.72	64	126	Below Cal	#	43
10) Methyl Iodide	2.52	142	81	4.038	ug/l #	42
11) Tert butyl alcohol	3.03	59	1521	2.121	ug/l #	72
16) Acetone	2.45	43	1361	0.772	ug/l	100
17) Carbon Disulfide	2.57	76	586	Below Cal	#	75
28) Bromochloromethane	5.05	49	24	Below Cal	#	22
31) Cyclohexane	5.66	56	4752	0.898	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16995	4.530	ug/l #	51
38) Carbon Tetrachloride	5.66	117	19583	6.307	ug/l #	17
44) Trichloroethene	7.21	130	4881	1.875	ug/l	94
60) Dibromochloromethane	9.33	129	3547	1.423	ug/l #	11
64) Tetrachloroethene	9.33	164	3897	1.774	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	73314	20.811	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	73314	57.367	ug/l #	9

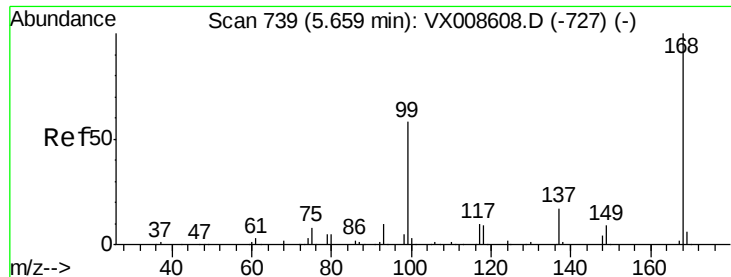
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

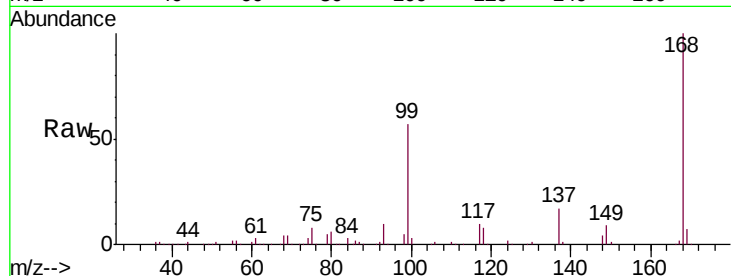
SS037MW098-190408

Tgt Ion:168 Resp: 209977

Ion Ratio Lower Upper

168 100

99 57.1 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

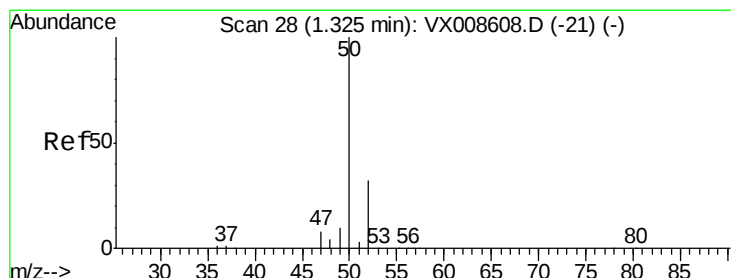
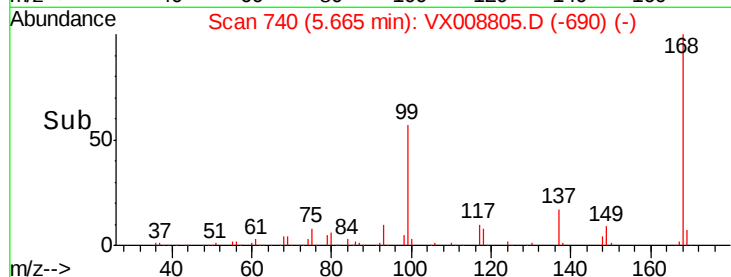
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008805.D

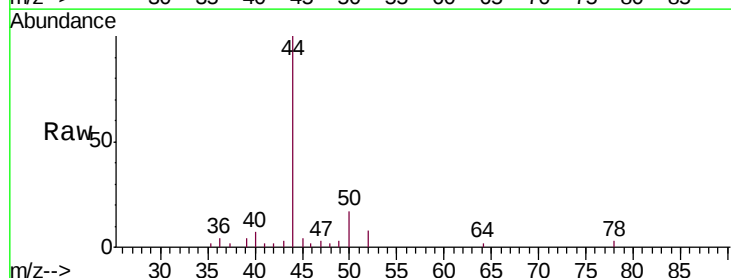
Acq: 10 Apr 2019 15:10

Tgt Ion: 50 Resp: 616

Ion Ratio Lower Upper

50 100

52 49.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

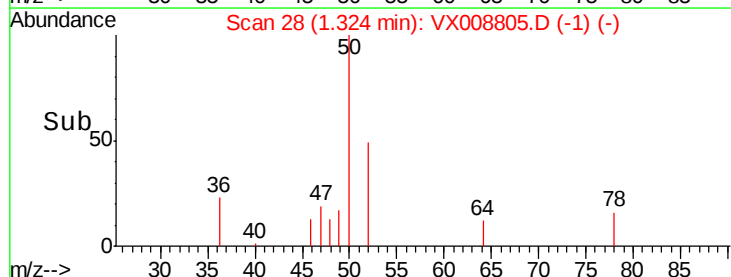
200

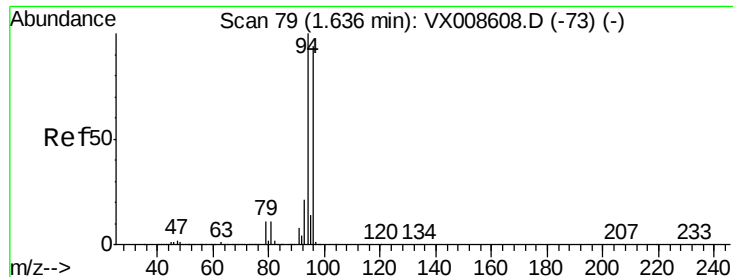
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 2.121 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

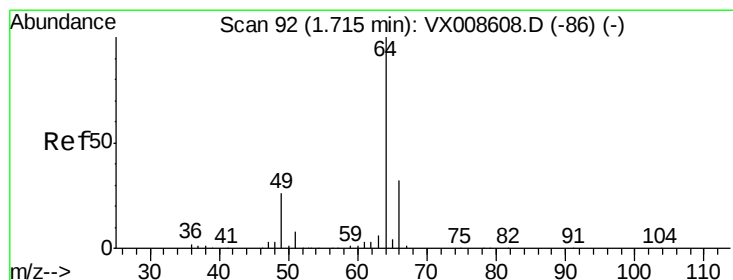
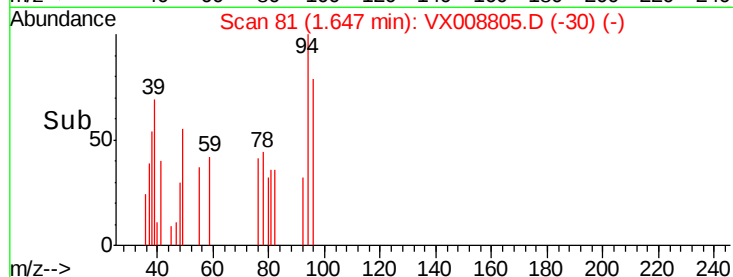
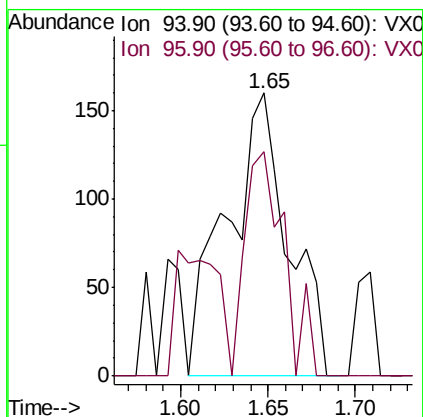
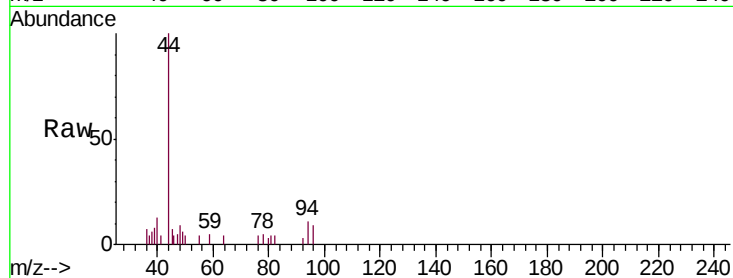
SS037MW098-190408

Tgt Ion: 94 Resp: 394

Ion Ratio Lower Upper

94 100

96 79.4 75.2 112.8



#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX008805.D

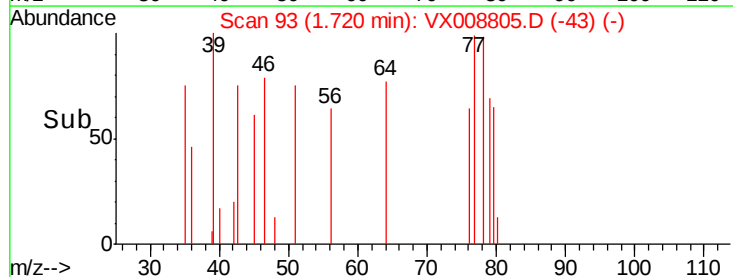
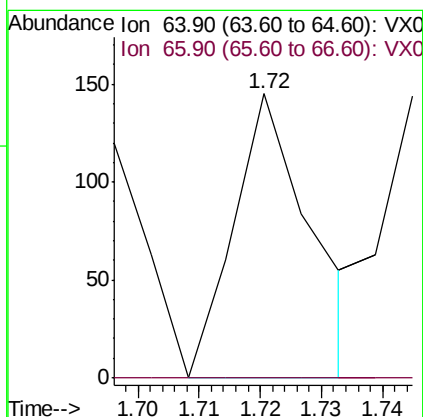
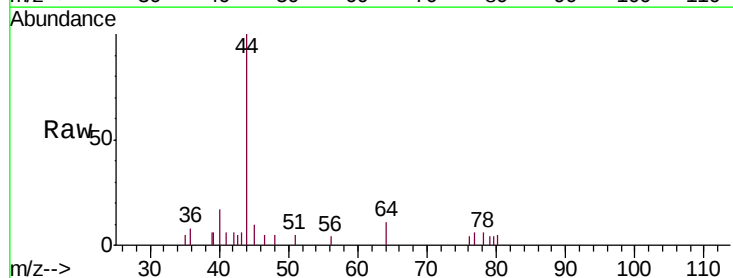
Acq: 10 Apr 2019 15:10

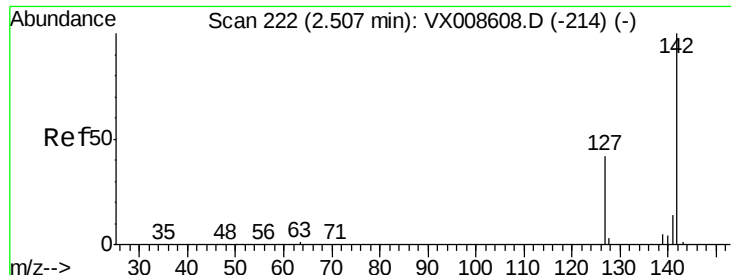
Tgt Ion: 64 Resp: 126

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

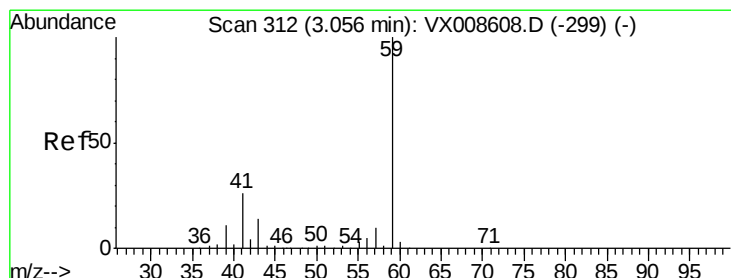
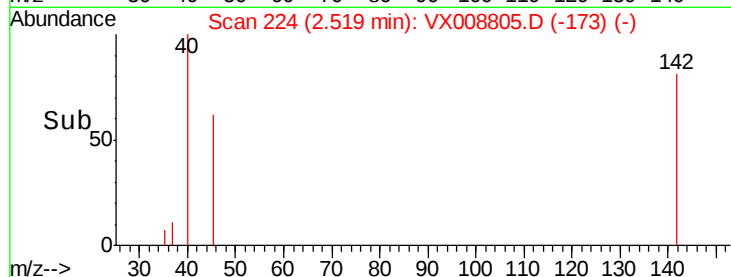
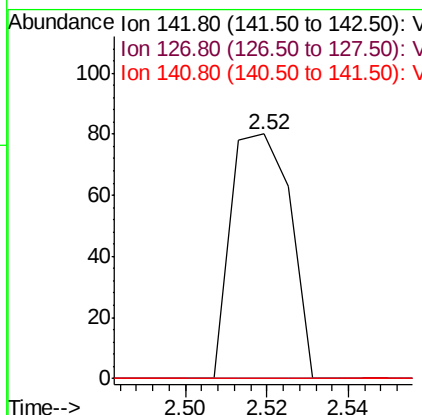
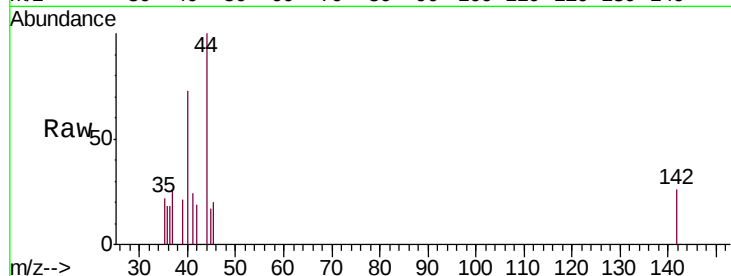




#10
Methyl Iodide
Concen: 4.038 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX008805.D
Acq: 10 Apr 2019 15:10

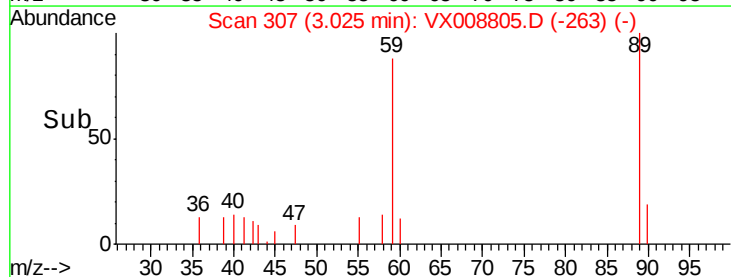
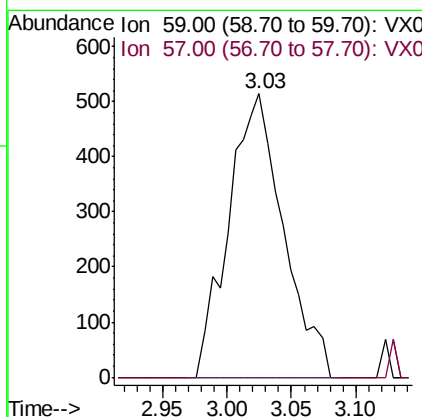
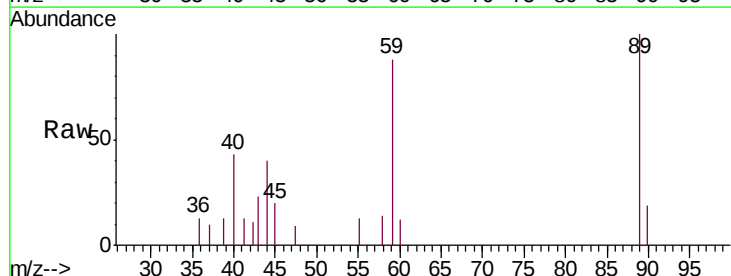
Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-190408

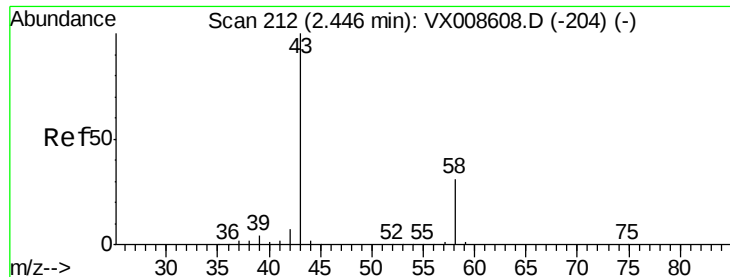
Tgt Ion: 142 Resp: 81
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 2.121 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.03 min
Lab File: VX008805.D
Acq: 10 Apr 2019 15:10

Tgt Ion: 59 Resp: 1521
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.772 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

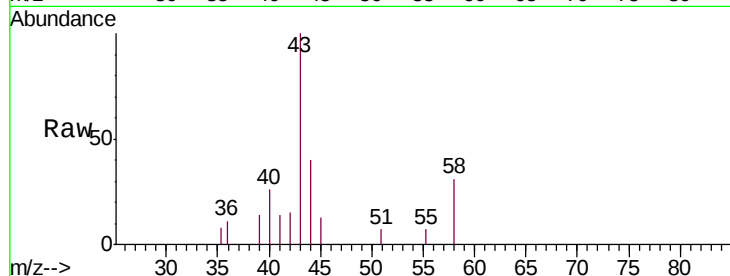
SS037MW098-190408

Tgt Ion: 43 Resp: 1361

Ion Ratio Lower Upper

43 100

58 30.8 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

600

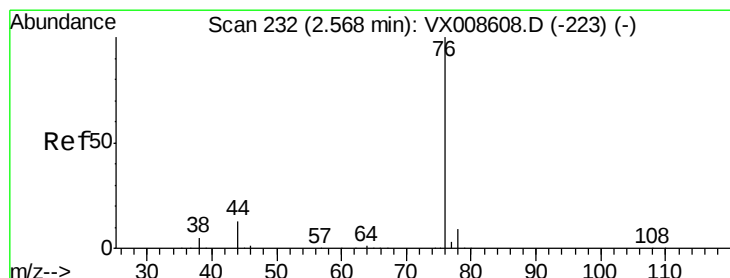
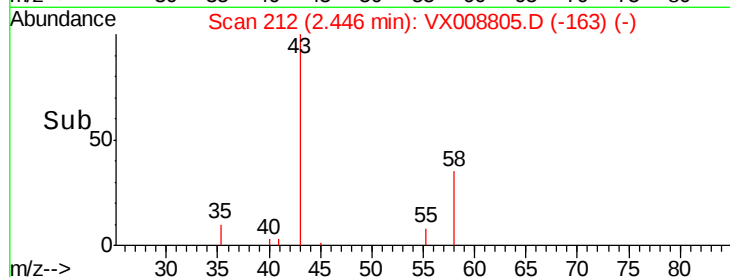
400

200

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008805.D

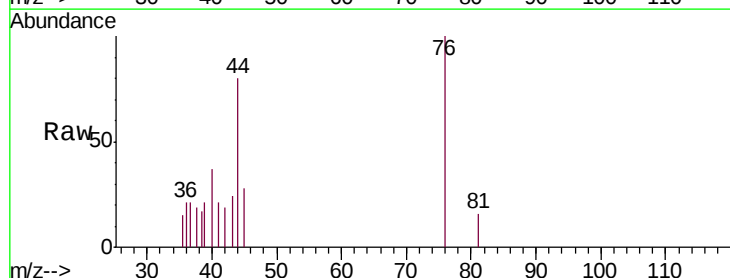
Acq: 10 Apr 2019 15:10

Tgt Ion: 76 Resp: 586

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

2.57

400

300

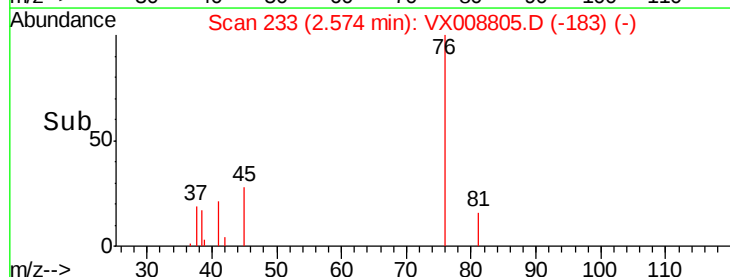
200

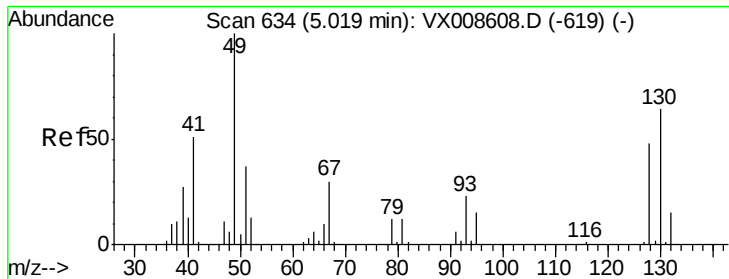
100

0

2.55 2.60

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

SS037MW098-190408

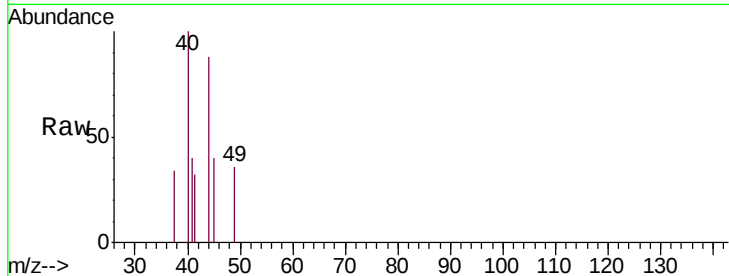
Tgt Ion: 49 Resp: 24

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

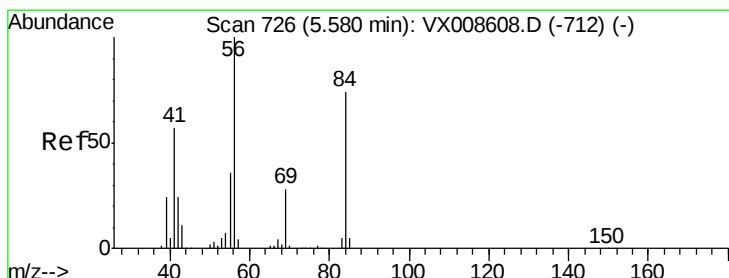
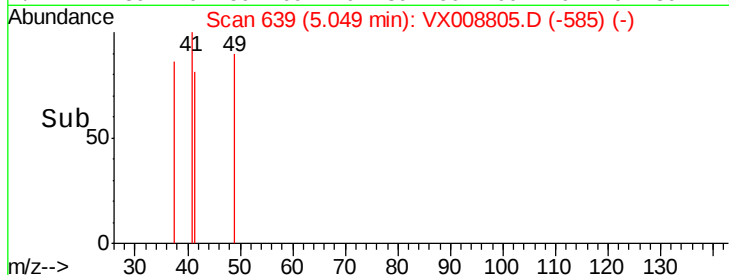
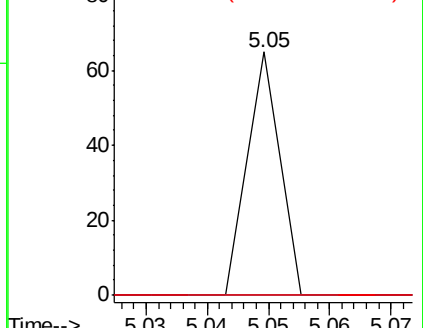
130 0.0 49.3 73.9#



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: 0.898 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

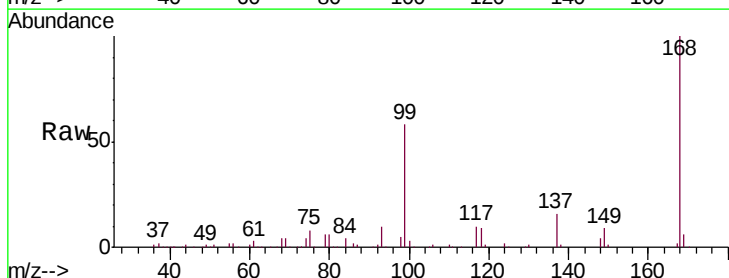
Tgt Ion: 56 Resp: 4752

Ion Ratio Lower Upper

56 100

69 174.3 22.6 33.8#

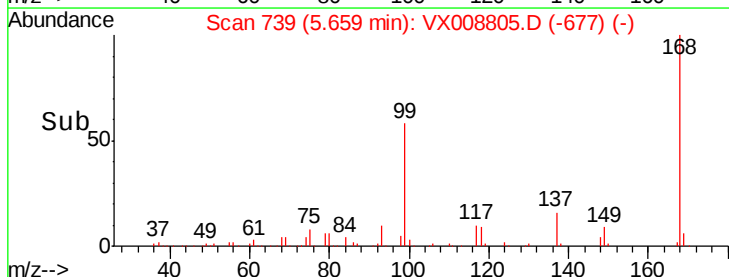
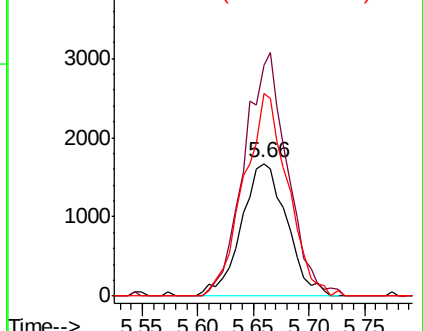
84 153.3 59.3 88.9#

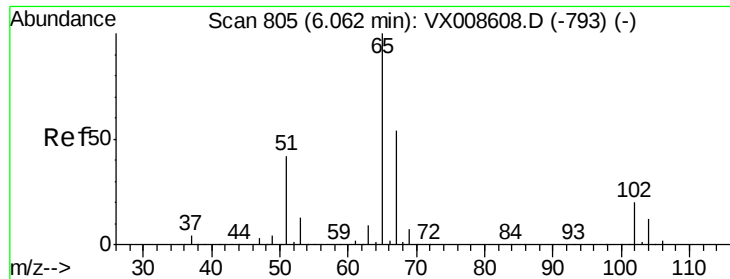


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.377 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

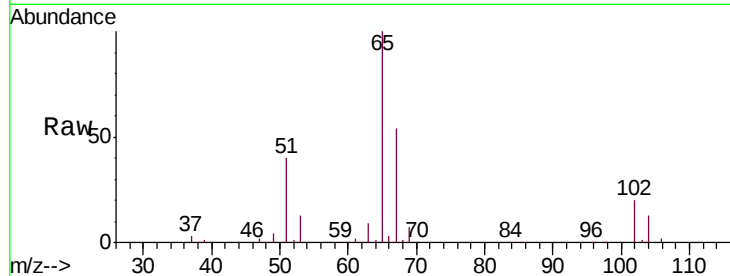
SS037MW098-190408

Tgt Ion: 65 Resp: 138973

Ion Ratio Lower Upper

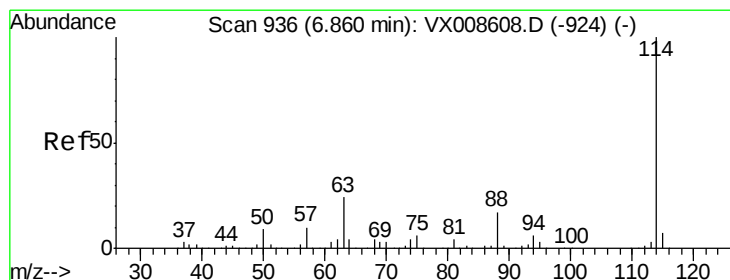
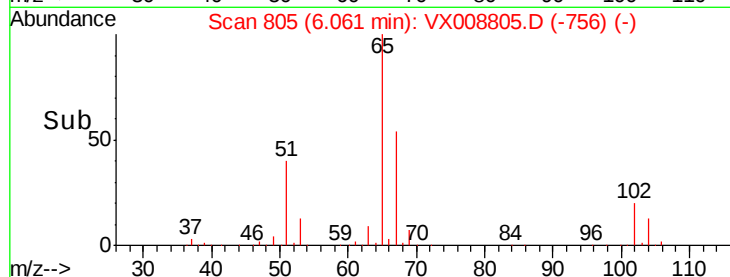
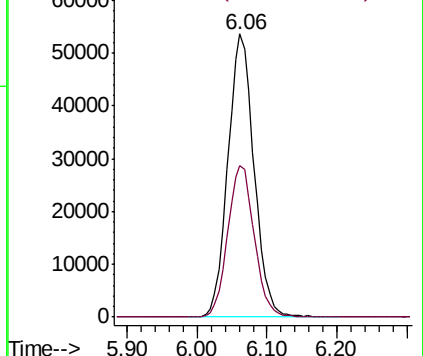
65 100

67 54.2 0.0 107.2



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: VX008805.D

Acq: 10 Apr 2019 15:10

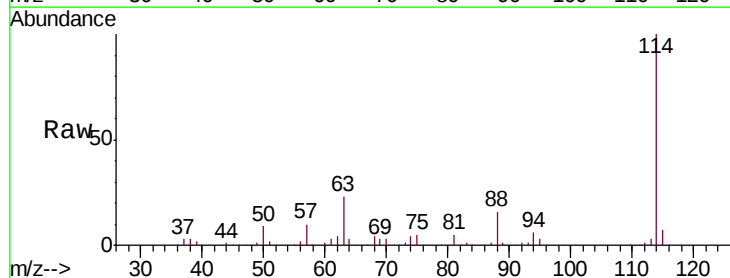
Tgt Ion: 114 Resp: 343198

Ion Ratio Lower Upper

114 100

63 23.3 0.0 47.2

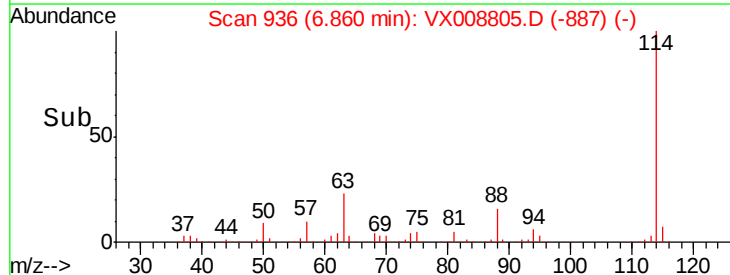
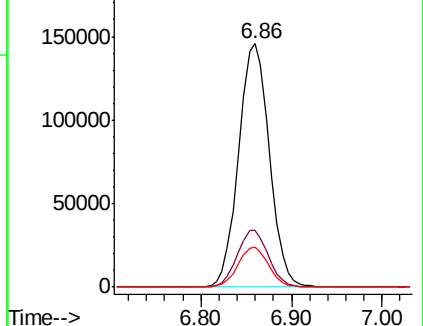
88 16.5 0.0 34.0

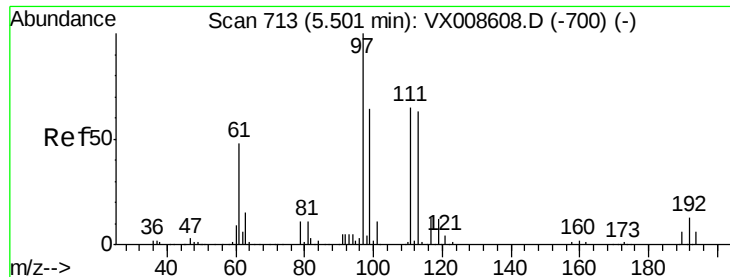


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.073 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

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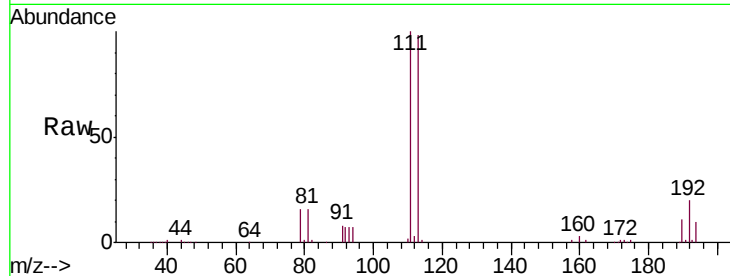
Tgt Ion:113 Resp: 103292

Ion Ratio Lower Upper

113 100

111 102.3 83.4 125.2

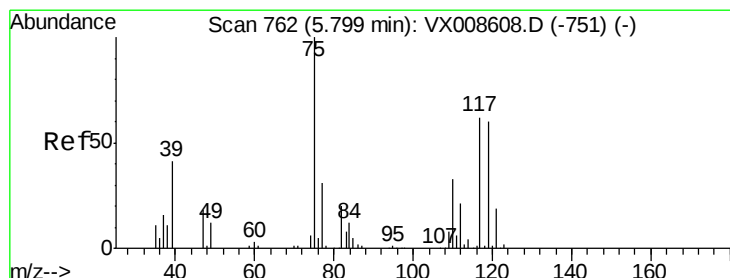
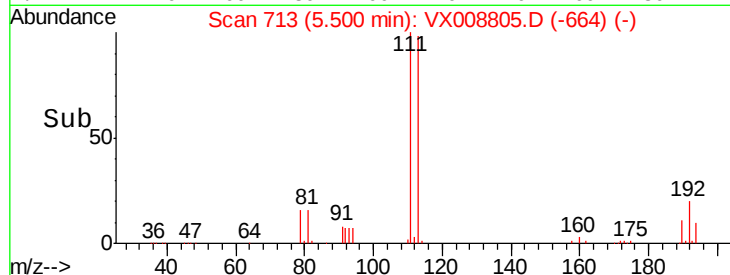
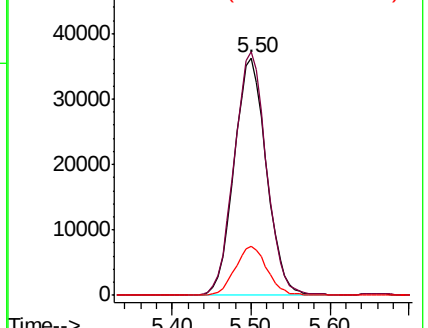
192 20.4 16.1 24.1



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: 4.530 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

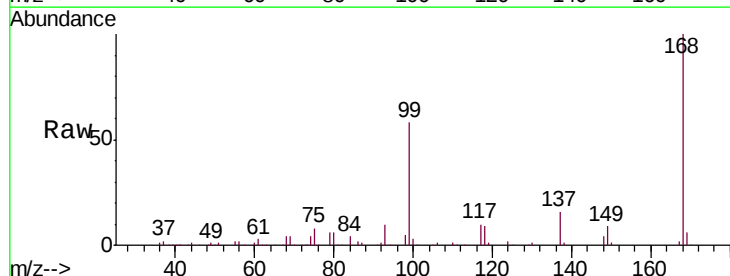
Tgt Ion: 75 Resp: 16995

Ion Ratio Lower Upper

75 100

110 9.4 16.4 49.2#

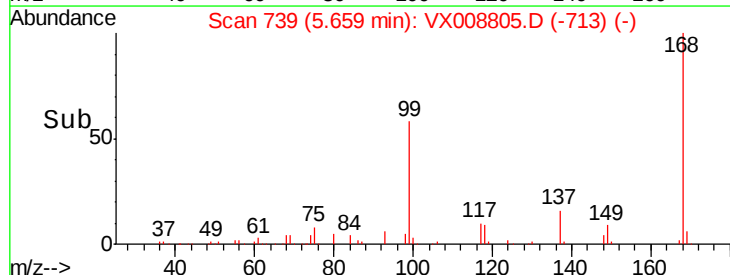
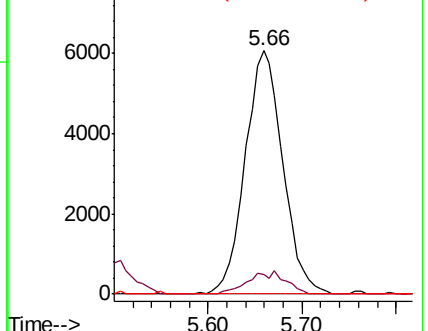
77 0.0 24.7 37.1#

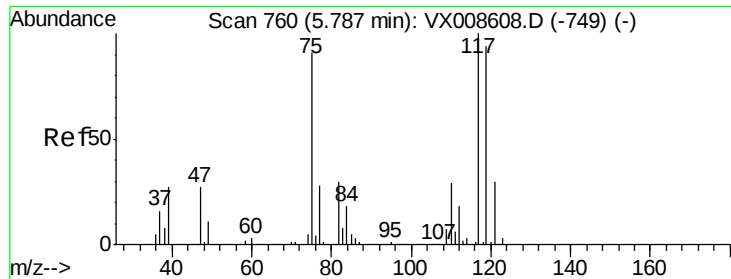


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

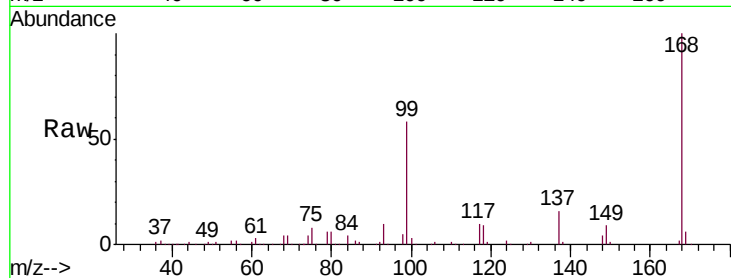




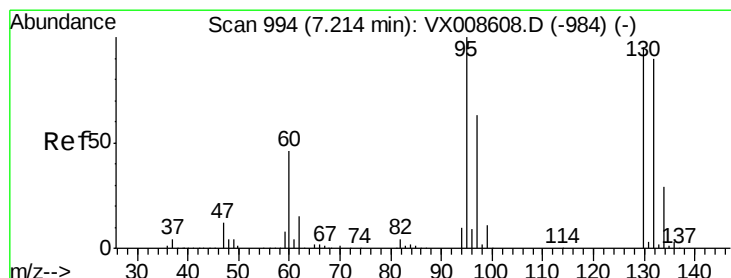
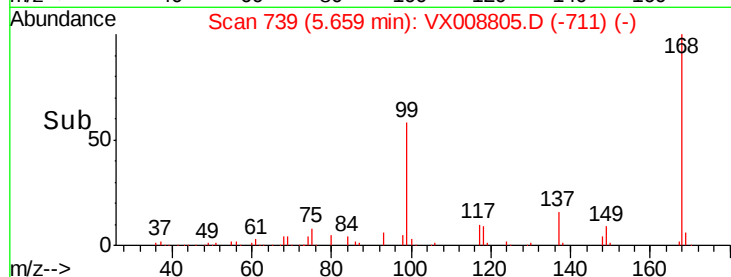
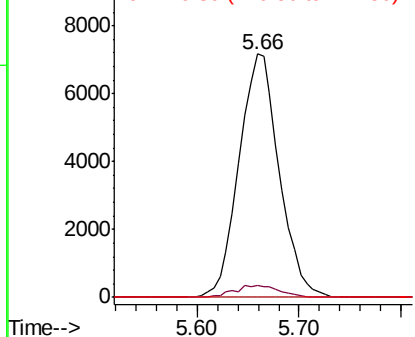
#38
Carbon Tetrachloride
Concen: 6.307 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008805.D
Acq: 10 Apr 2019 15:10

Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-190408

Tgt Ion:117 Resp: 19583
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 24.3 36.5#

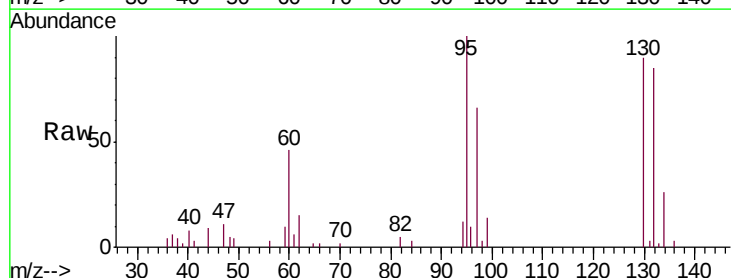


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

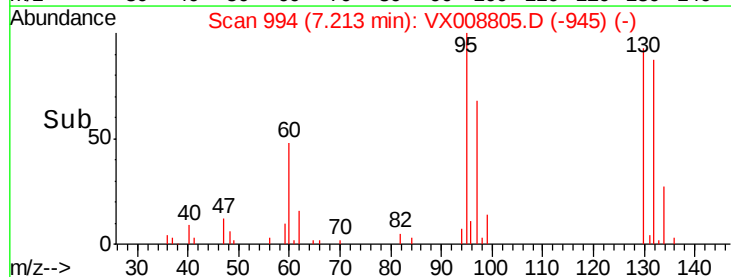
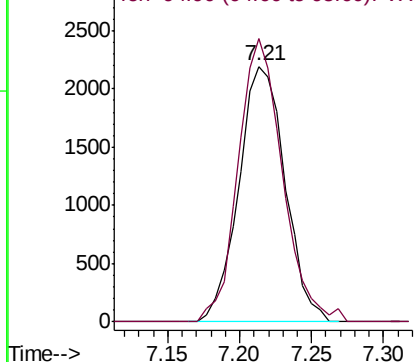


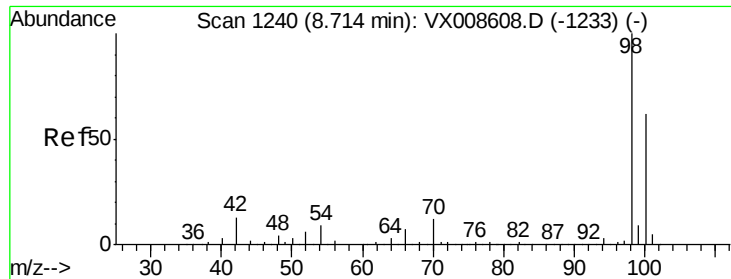
#44
Trichloroethene
Concen: 1.875 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX008805.D
Acq: 10 Apr 2019 15:10

Tgt Ion:130 Resp: 4881
Ion Ratio Lower Upper
130 100
95 110.9 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

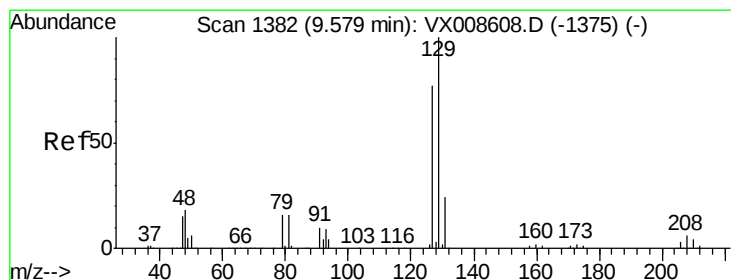
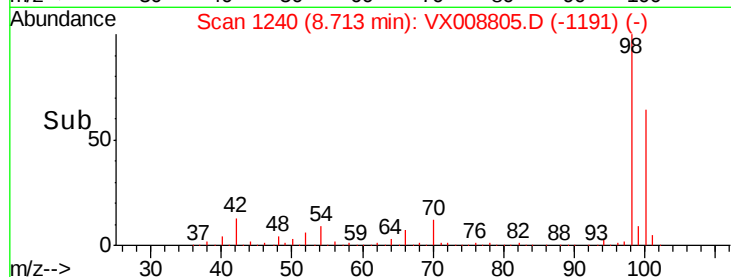
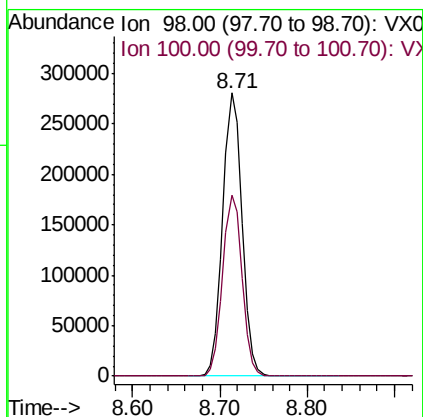
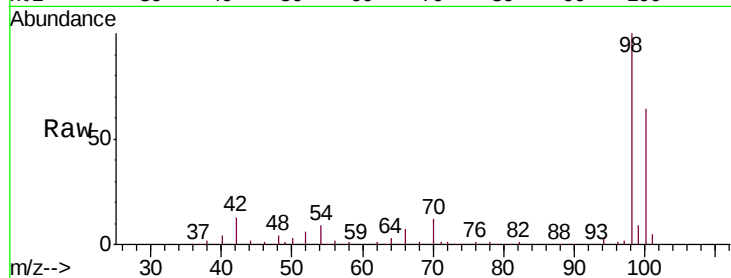




#50
Toluene-d8
Concen: 49.292 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008805.D
Acq: 10 Apr 2019 15:10

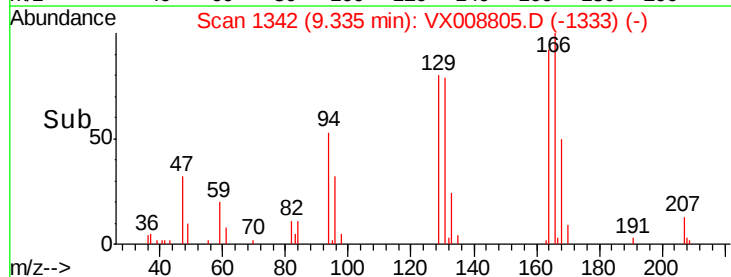
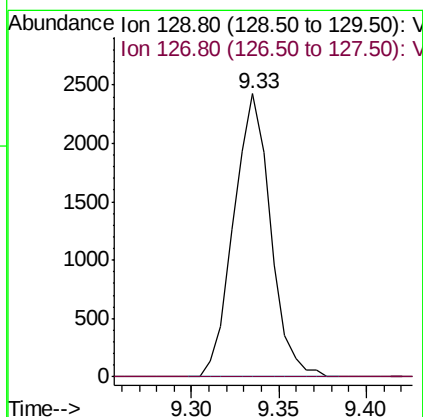
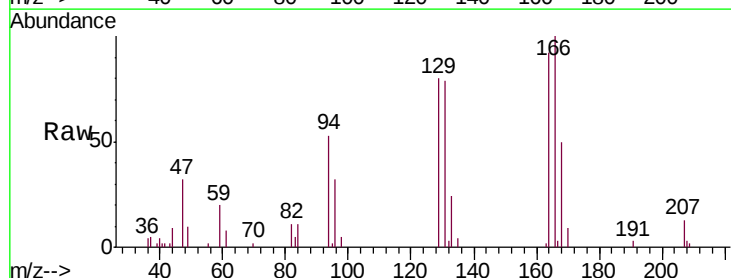
Instrument :
MSVOA_X
ClientSampleId :
SS037MW098-190408

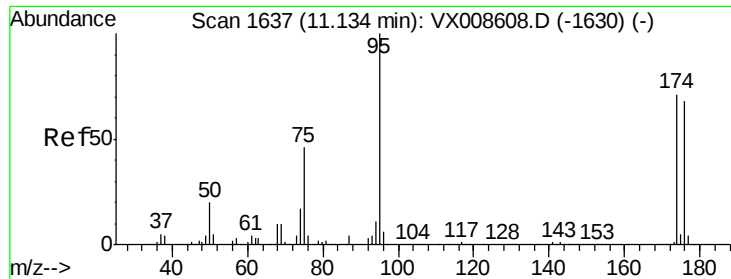
Tgt Ion: 98 Resp: 430665
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#60
Dibromochloromethane
Concen: 1.423 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008805.D
Acq: 10 Apr 2019 15:10

Tgt Ion: 129 Resp: 3547
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 46.793 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

SS037MW098-190408

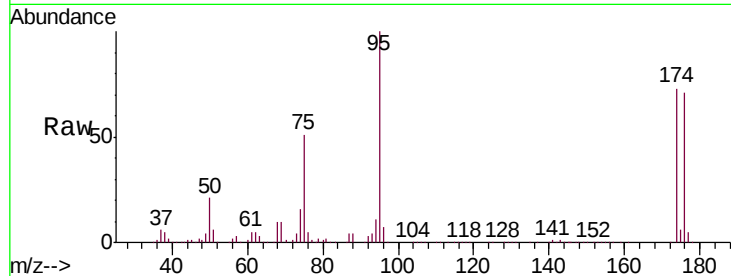
Tgt Ion: 95 Resp: 144979

Ion Ratio Lower Upper

95 100

174 77.4 0.0 151.8

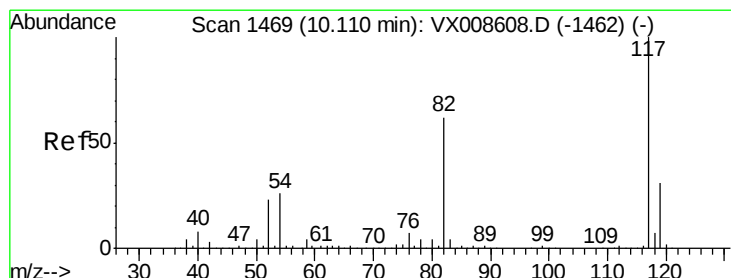
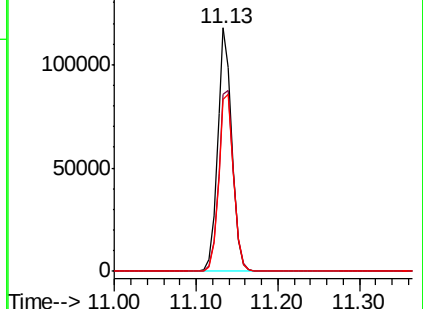
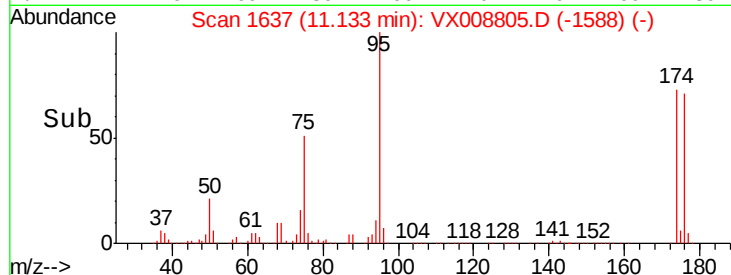
176 75.8 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX008608.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008608.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008608.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

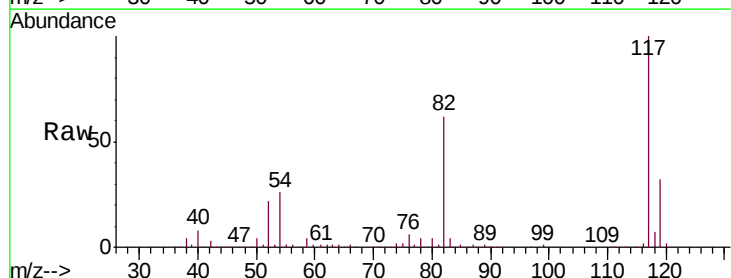
Tgt Ion: 117 Resp: 296557

Ion Ratio Lower Upper

117 100

82 62.3 49.6 74.4

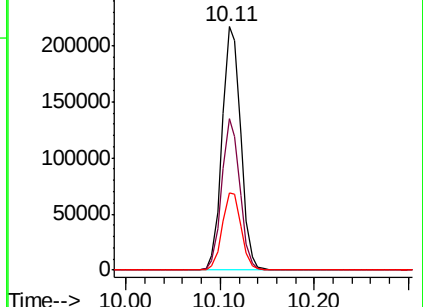
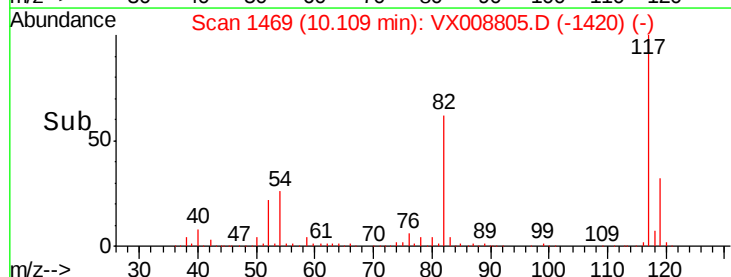
119 31.6 25.0 37.4

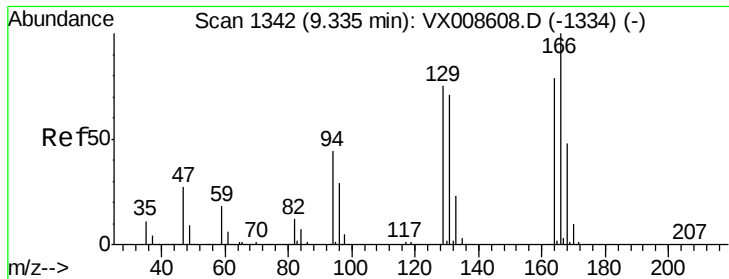


Abundance Ion 116.90 (116.60 to 117.60): VX008608.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008608.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008608.D (-1462) (-)





#64

Tetrachloroethene

Concen: 1.774 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX008805.D

Acq: 10 Apr 2019 15:10

Instrument :

MSVOA_X

ClientSampleId :

SS037MW098-190408

Tgt Ion:164 Resp: 3897

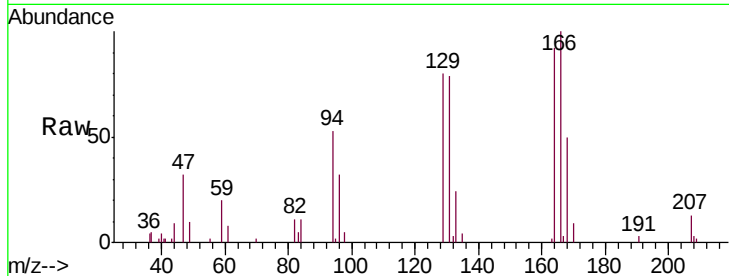
Ion Ratio Lower Upper

164 100

166 108.8 101.0 151.6

129 86.7 75.8 113.8

131 85.4 71.8 107.8

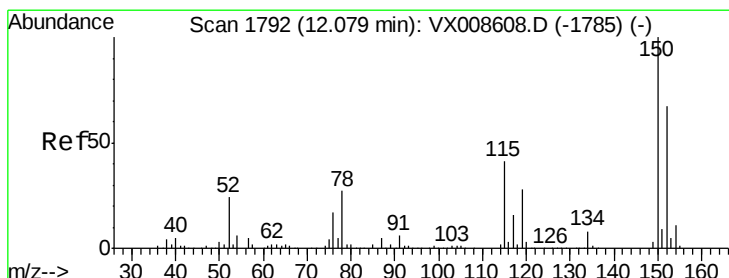
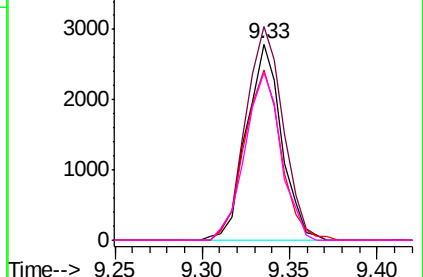
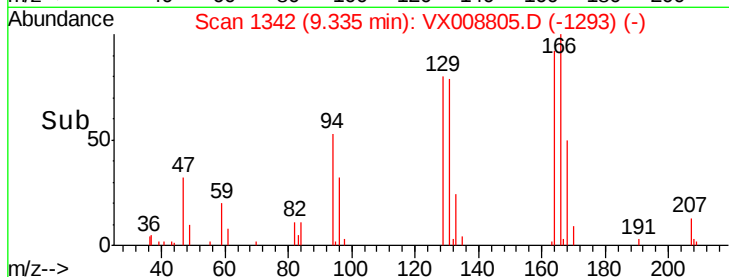


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX008805.D

Acq: 10 Apr 2019 15:10

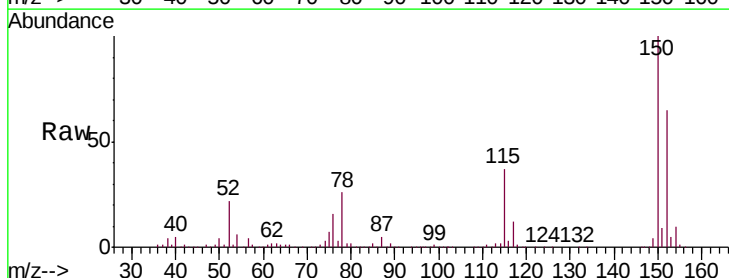
Tgt Ion:152 Resp: 128238

Ion Ratio Lower Upper

152 100

115 58.9 43.5 130.5

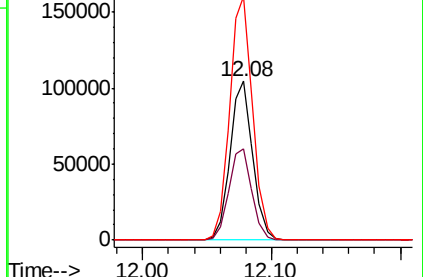
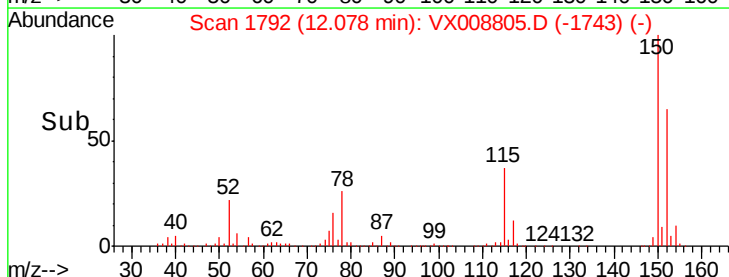
150 155.1 0.0 348.8

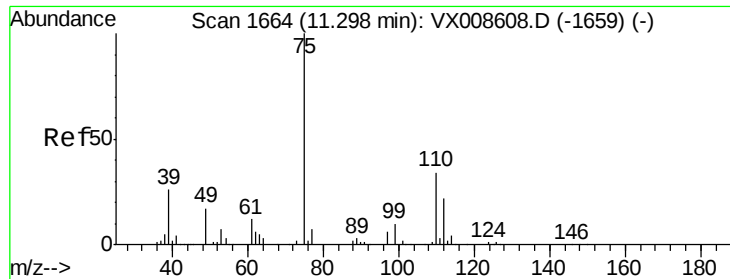


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

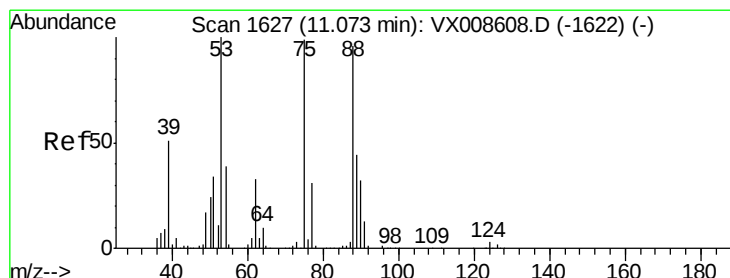
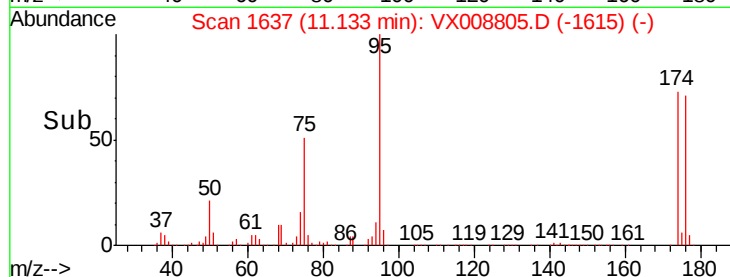
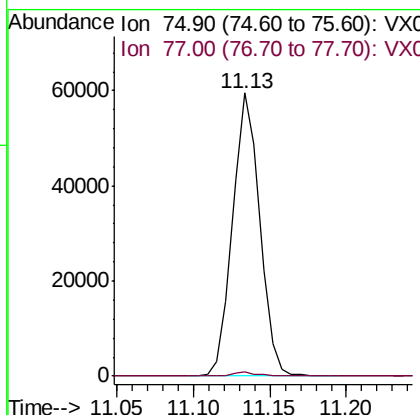
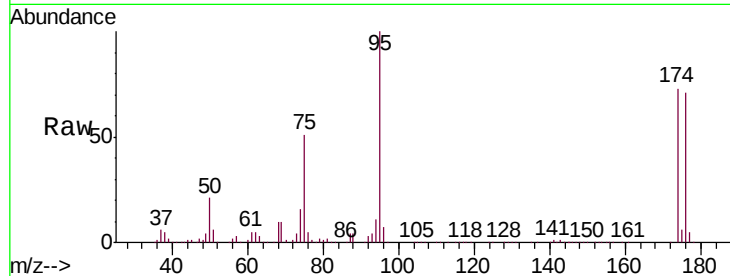




#76
 1,2,3-Trichloropropane
 Concen: 20.811 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.17 min
 Lab File: VX008805.D
 Acq: 10 Apr 2019 15:10

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW098-190408

Tgt Ion: 75 Resp: 73314
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.367 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008805.D
 Acq: 10 Apr 2019 15:10

Tgt Ion: 75 Resp: 73314
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

