

Data File : VX008804.D
Acq On : 10 Apr 2019 14:46
Operator : JC/SP
Sample : K2349-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-190408

Quant Time: Apr 11 05:42:54 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	206559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	127980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	139865	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
35) Dibromofluoromethane	5.50	113	101848	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	8.71	98	430109	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.13	95	143930	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

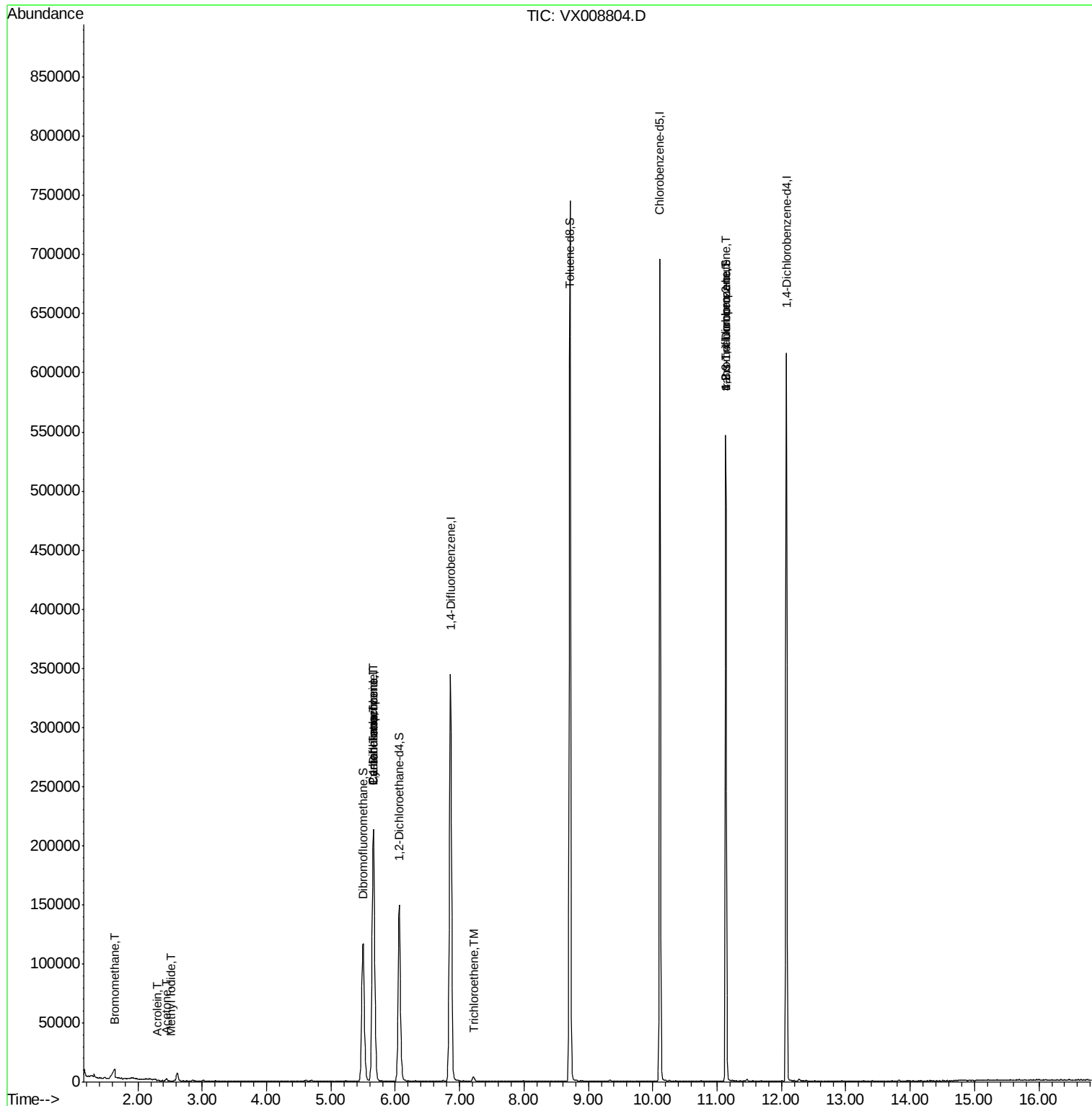
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	1762	Below Cal		94
5) Bromomethane	1.64	94	416	2.138 ug/l #		72
6) Chloroethane	1.71	64	112	Below Cal #		43
10) Methyl Iodide	2.51	142	146	4.068 ug/l #		42
13) Acrolein	2.31	56	97	0.277 ug/l #		61
16) Acetone	2.45	43	2365	1.363 ug/l		94
17) Carbon Disulfide	2.57	76	603	Below Cal #		52
28) Bromochloromethane	5.04	49	19	Below Cal #		22
31) Cyclohexane	5.65	56	4635	0.890 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	16585	4.479 ug/l #		51
38) Carbon Tetrachloride	5.67	117	19749	6.444 ug/l #		18
44) Trichloroethene	7.22	130	1456	0.567 ug/l		97
76) 1,2,3-Trichloropropane	11.13	75	73112	20.796 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.13	75	73112	57.324 ug/l #		9

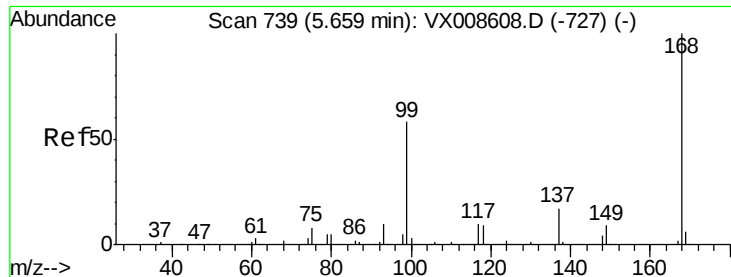
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

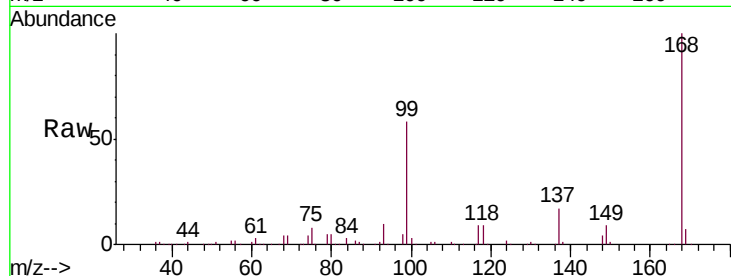
SS037MW310-190408

Tgt Ion:168 Resp: 206559

Ion Ratio Lower Upper

168 100

99 58.0 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

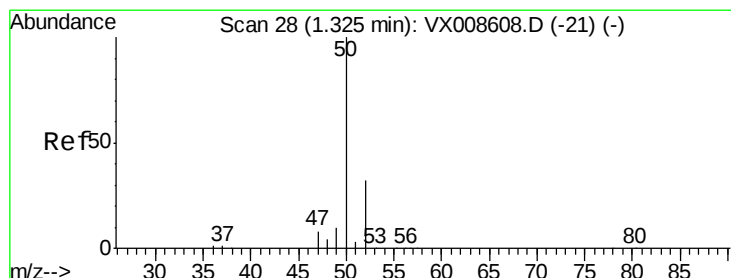
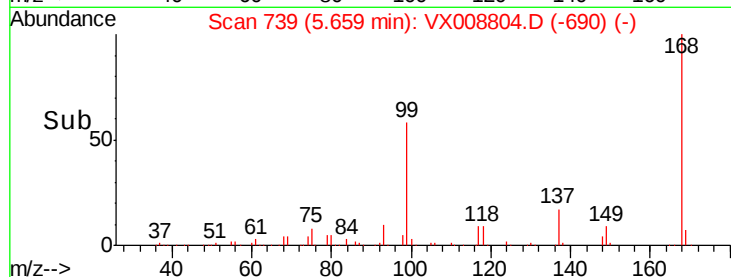
40000

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: VX008804.D

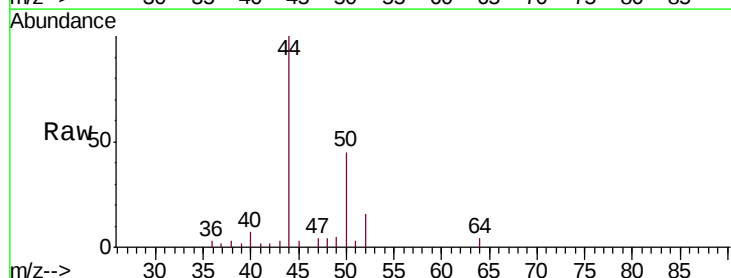
Acq: 10 Apr 2019 14:46

Tgt Ion: 50 Resp: 1762

Ion Ratio Lower Upper

50 100

52 35.5 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

1500

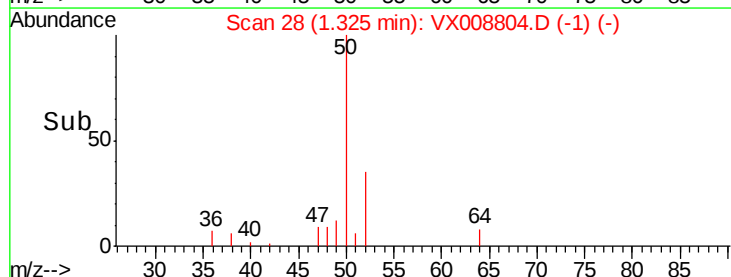
1000

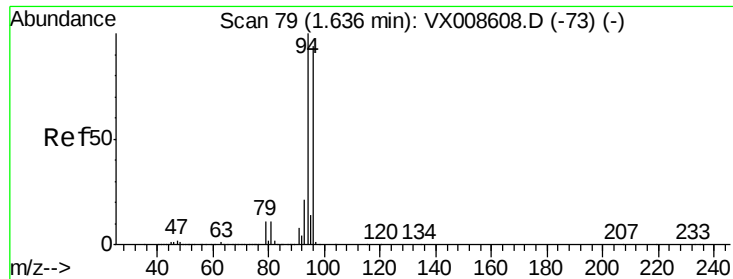
500

0

Time-->

1.25 1.30 1.35 1.40





#5

Bromomethane

Concen: 2.138 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

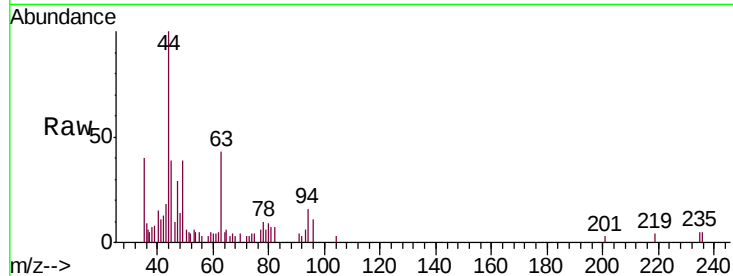
SS037MW310-190408

Tgt Ion: 94 Resp: 416

Ion Ratio Lower Upper

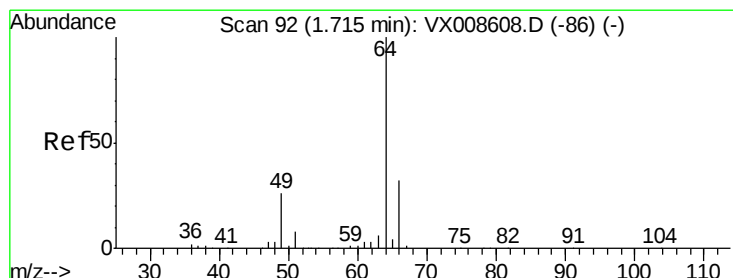
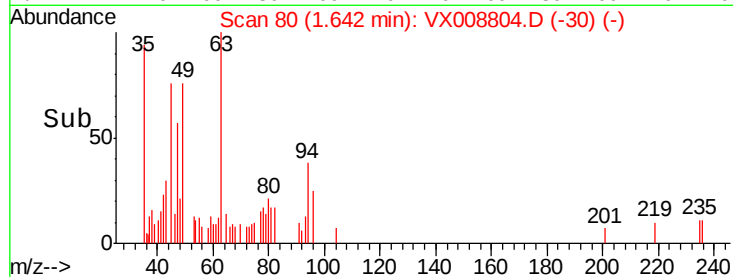
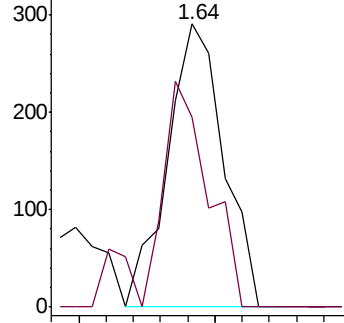
94 100

96 67.0 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008804.D

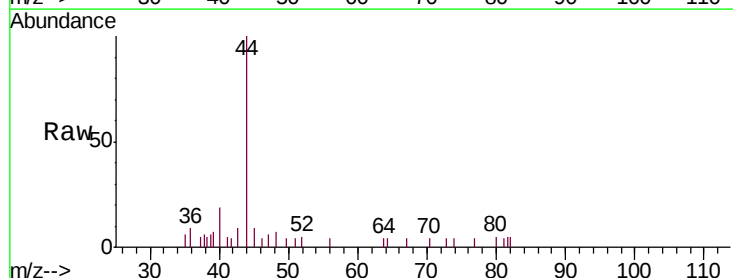
Acq: 10 Apr 2019 14:46

Tgt Ion: 64 Resp: 112

Ion Ratio Lower Upper

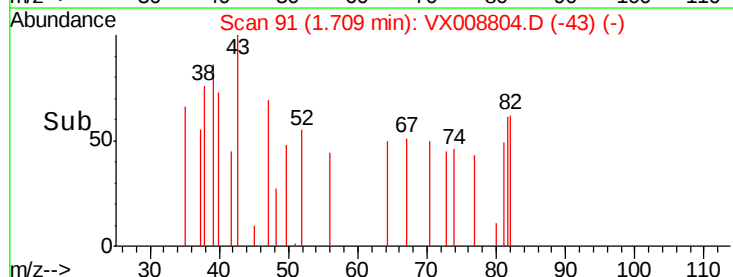
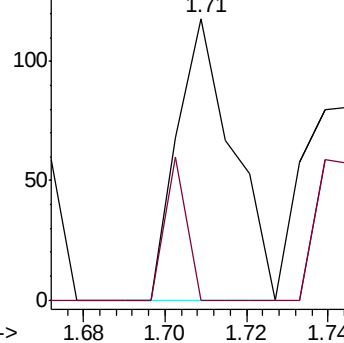
64 100

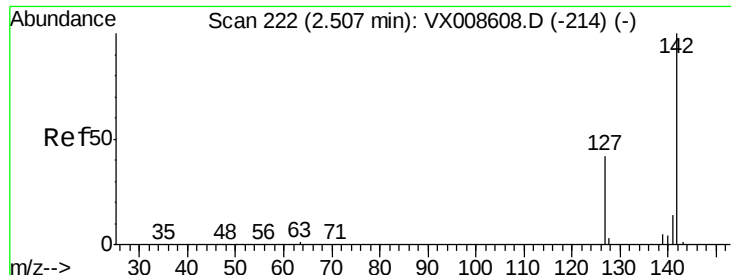
66 0.0 25.4 38.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

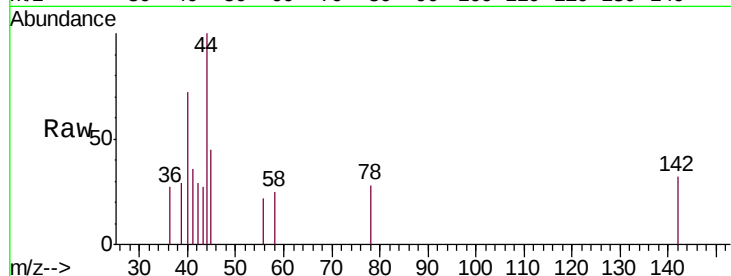




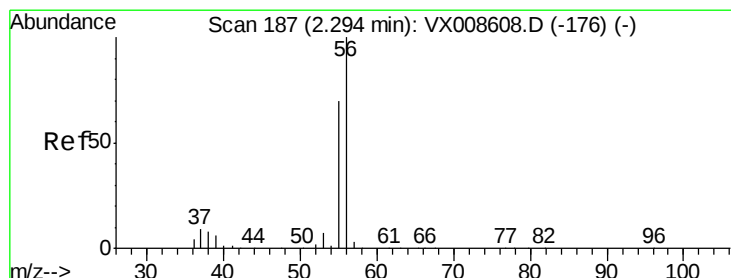
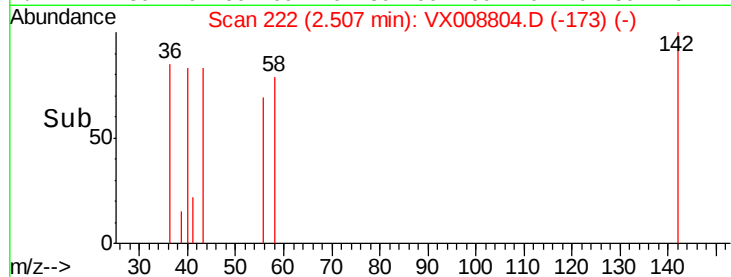
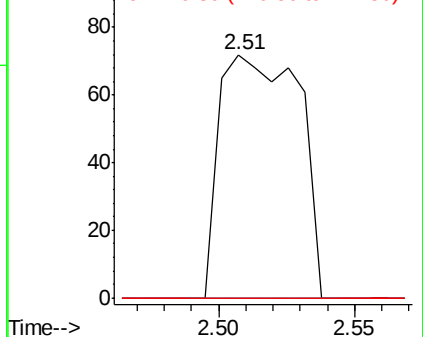
#10
Methyl Iodide
Concen: 4.068 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX008804.D
Acq: 10 Apr 2019 14:46

Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-190408

Tgt Ion:142 Resp: 146
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.6#
141 0.0 11.4 17.2#

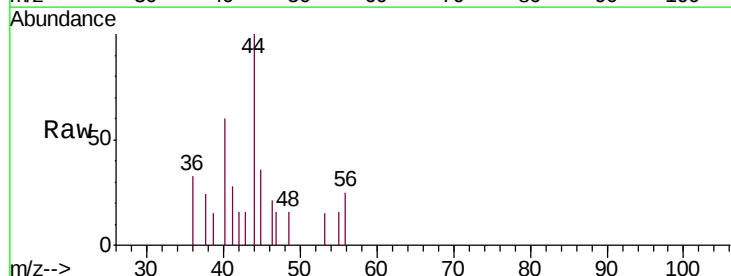


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

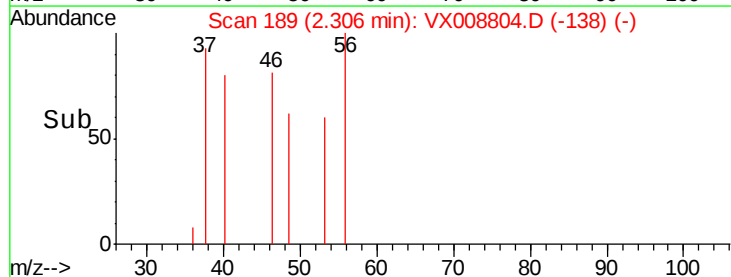
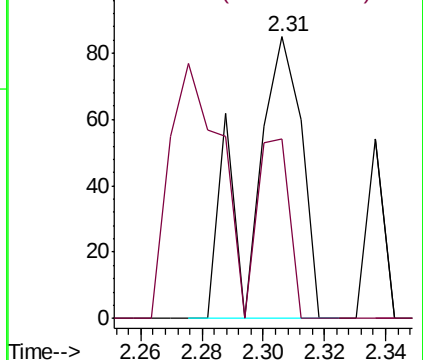


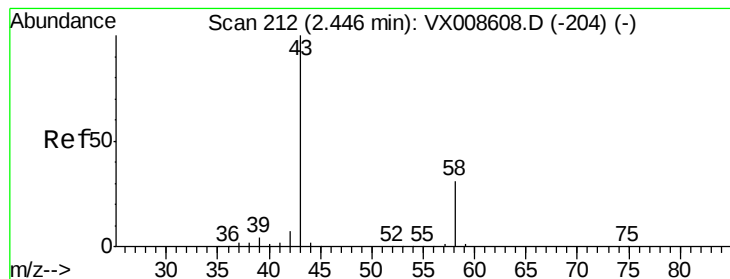
#13
Acrolein
Concen: 0.277 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008804.D
Acq: 10 Apr 2019 14:46

Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 40.2 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: 1.363 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

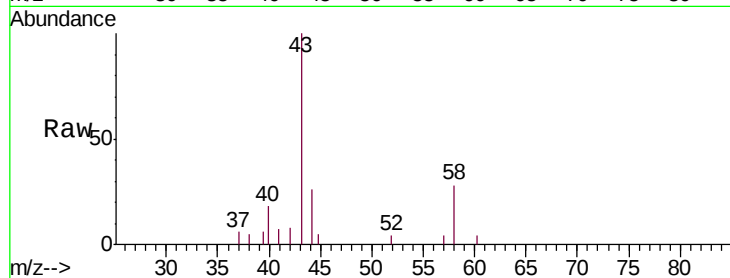
SS037MW310-190408

Tgt Ion: 43 Resp: 2365

Ion Ratio Lower Upper

43 100

58 27.7 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

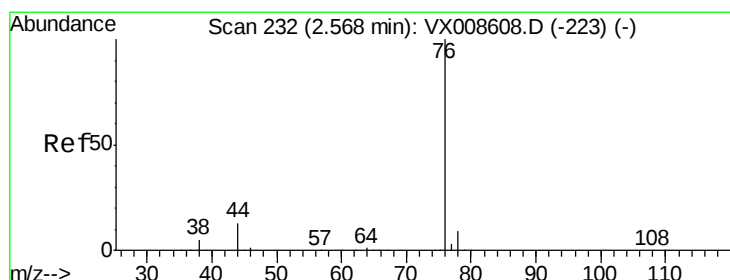
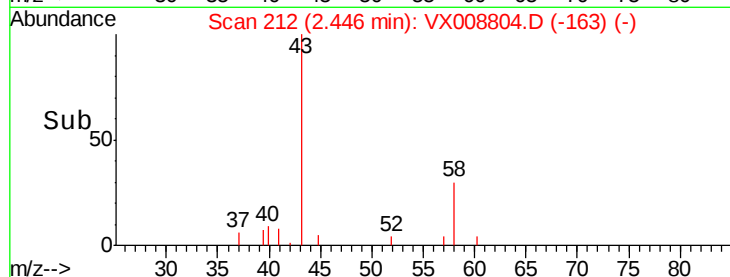
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008804.D

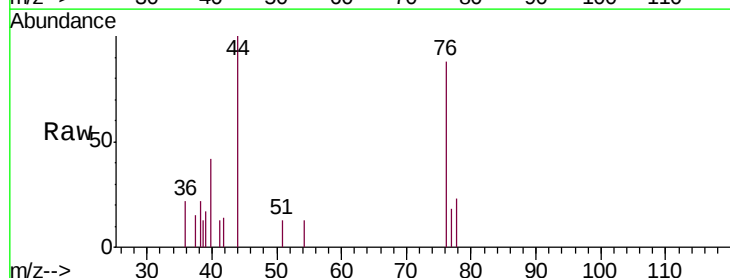
Acq: 10 Apr 2019 14:46

Tgt Ion: 76 Resp: 603

Ion Ratio Lower Upper

76 100

78 26.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

400

300

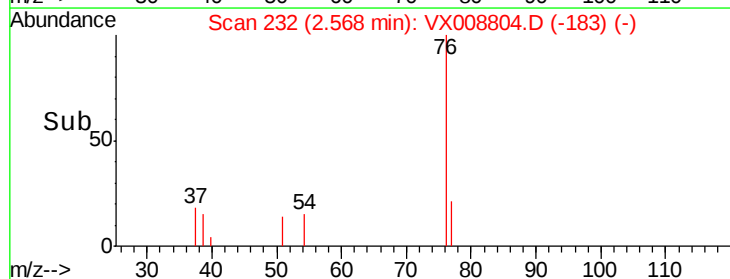
200

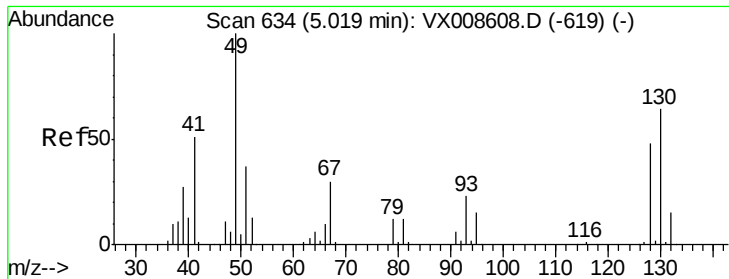
100

0

Time-->

2.50 2.55 2.60





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-190408

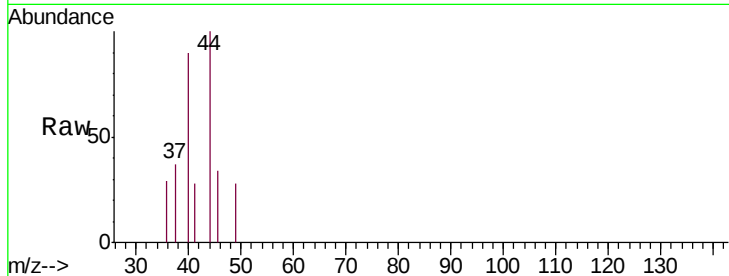
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 49.3 73.9#



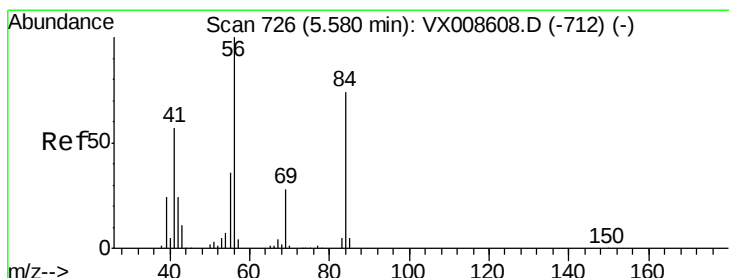
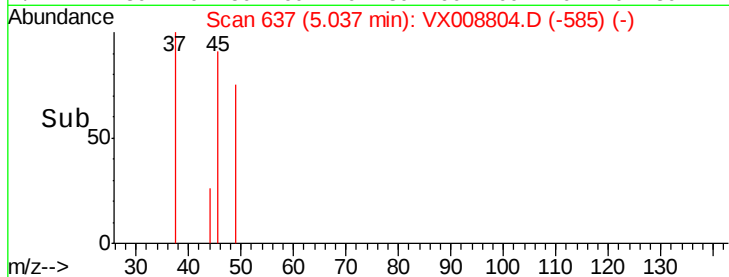
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5.04

Time-->



#31

Cyclohexane

Concen: 0.890 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

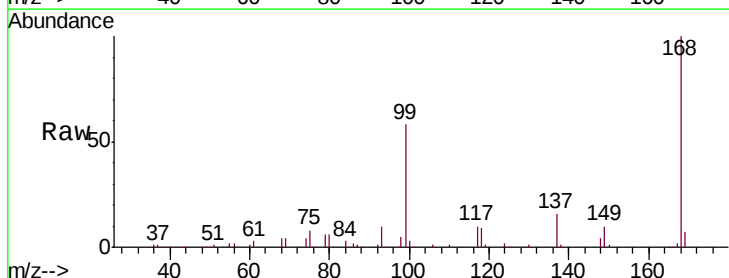
Tgt Ion: 56 Resp: 4635

Ion Ratio Lower Upper

56 100

69 174.7 22.6 33.8#

84 128.8 59.3 88.9#



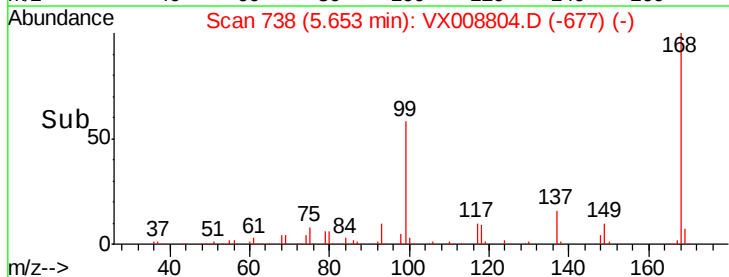
Abundance Ion 56.00 (55.70 to 56.70): VX0

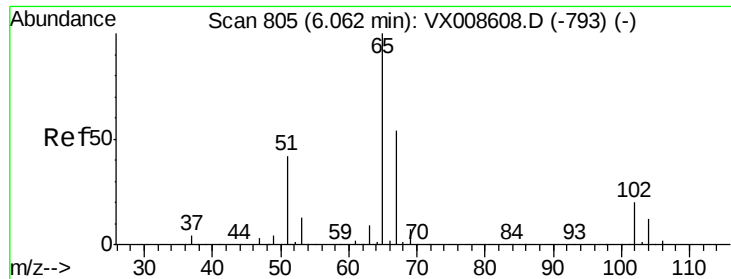
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.65

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.424 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

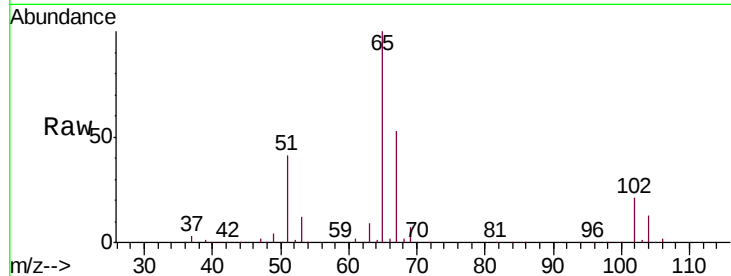
SS037MW310-190408

Tgt Ion: 65 Resp: 139865

Ion Ratio Lower Upper

65 100

67 53.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

60000

50000

40000

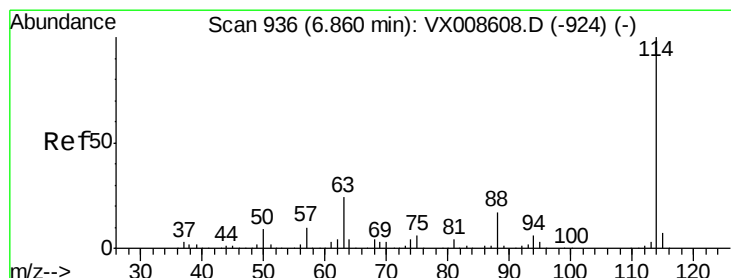
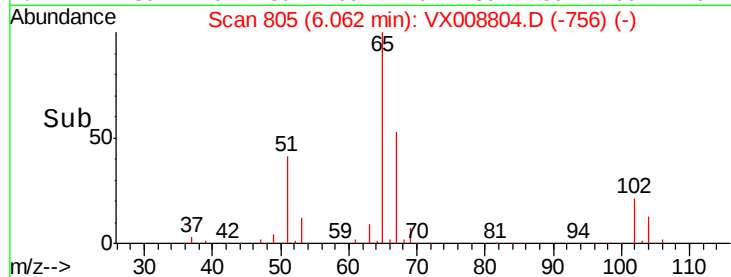
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

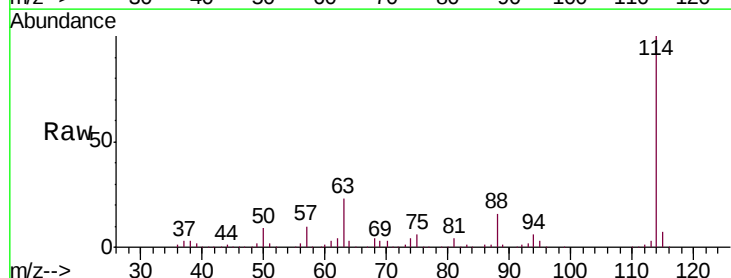
Tgt Ion: 114 Resp: 338752

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.2

88 16.4 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

200000

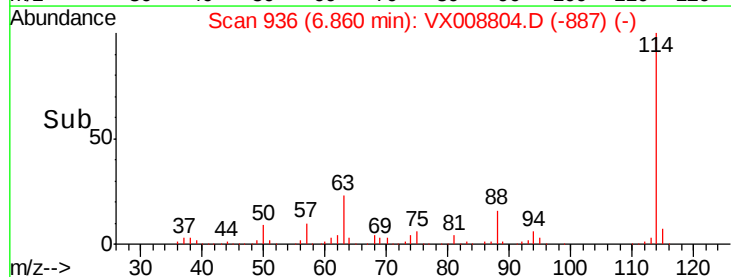
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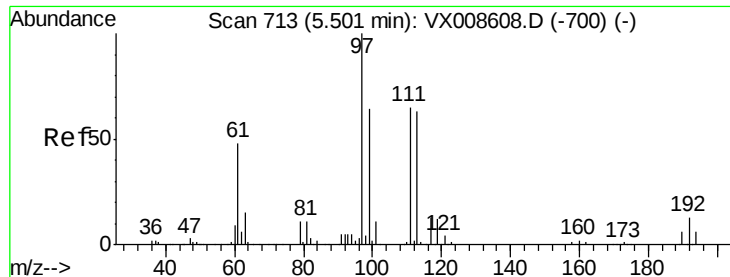
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

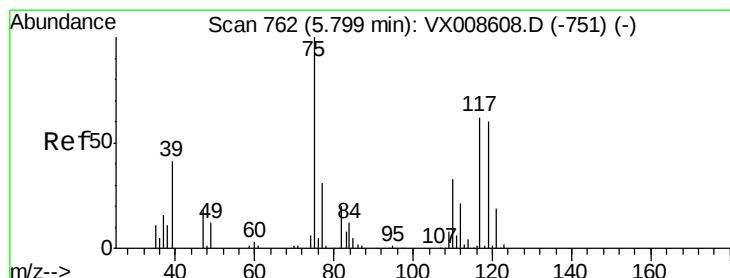
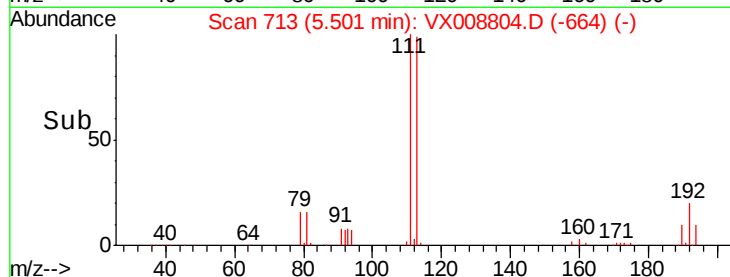
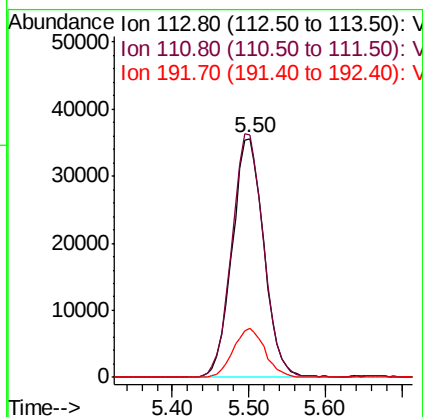
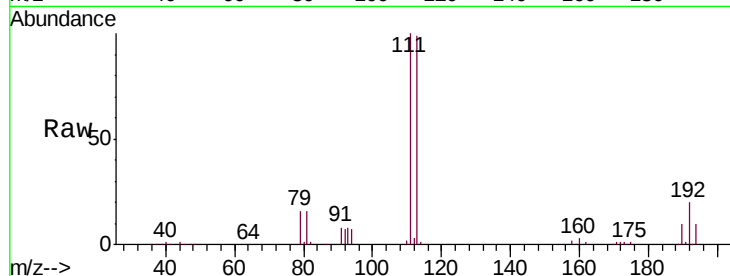




#35
 Dibromofluoromethane
 Concen: 47.024 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008804.D
 Acq: 10 Apr 2019 14:46

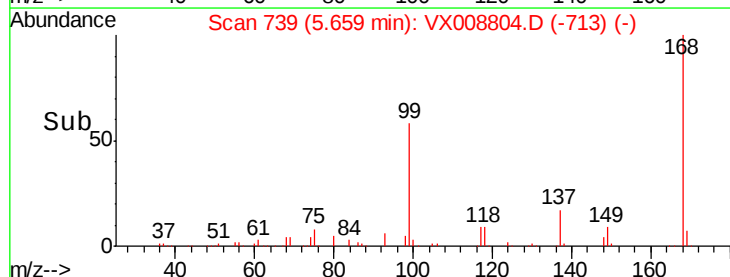
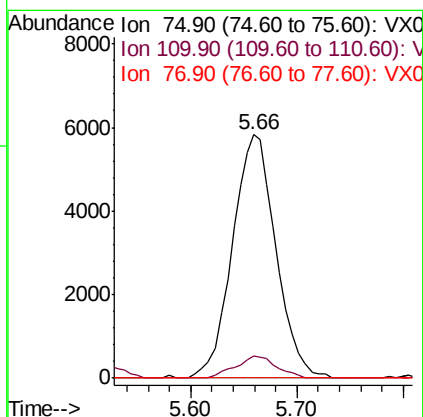
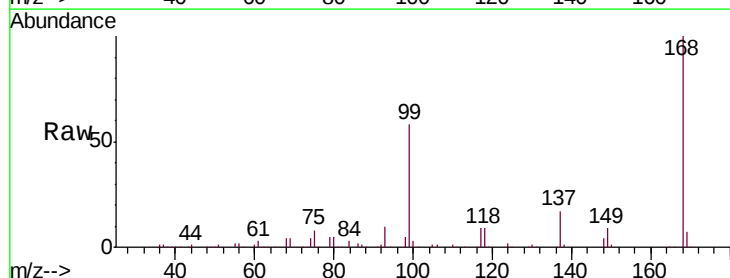
Instrument :
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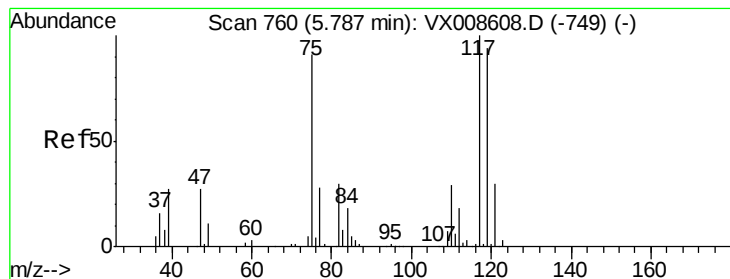
Tgt Ion:113 Resp: 101848
 Ion Ratio Lower Upper
 113 100
 111 102.7 83.4 125.2
 192 20.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 4.479 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008804.D
 Acq: 10 Apr 2019 14:46

Tgt Ion: 75 Resp: 16585
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.4 49.2#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.444 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008804.D

Acq: 10 Apr 2019 14:46

Instrument :

MSVOA_X

ClientSampleId :

SS037MW310-190408

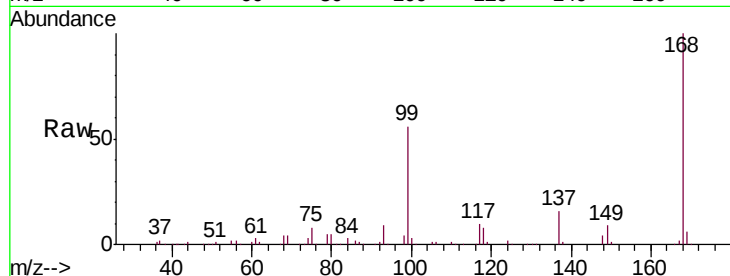
Tgt Ion:117 Resp: 19749

Ion Ratio Lower Upper

117 100

119 5.9 75.0 112.6#

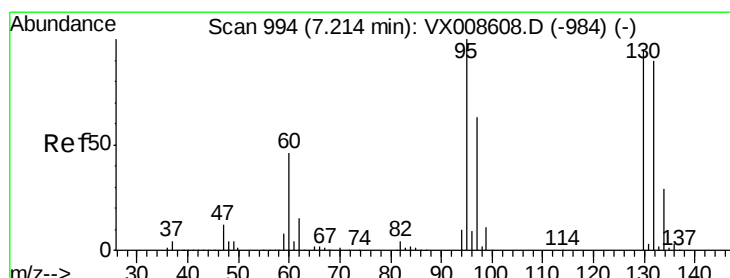
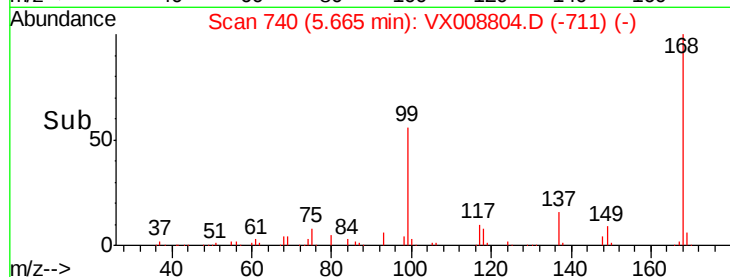
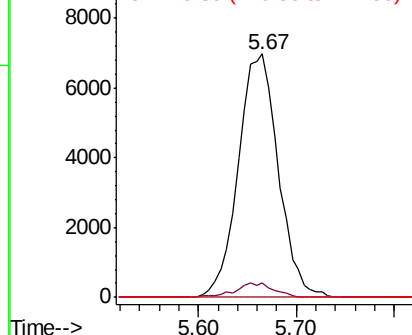
121 0.0 24.3 36.5#



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: 0.567 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008804.D

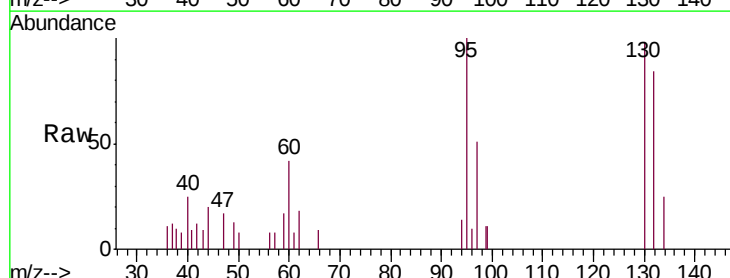
Acq: 10 Apr 2019 14:46

Tgt Ion:130 Resp: 1456

Ion Ratio Lower Upper

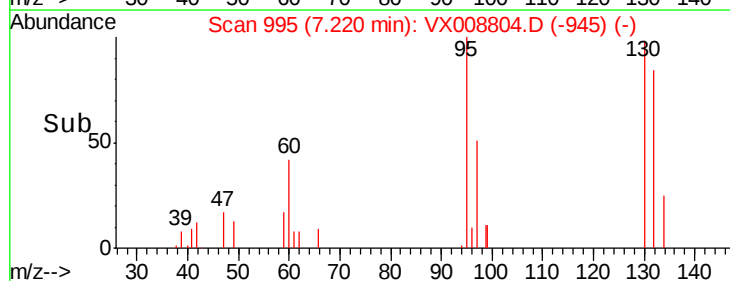
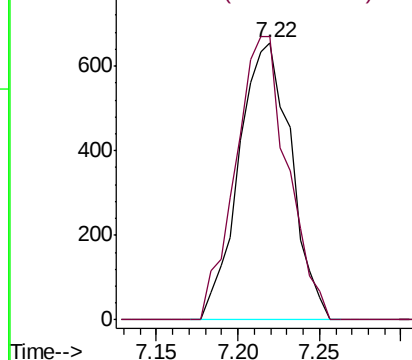
130 100

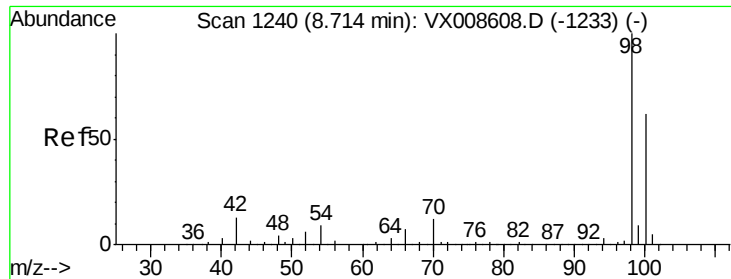
95 102.1 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

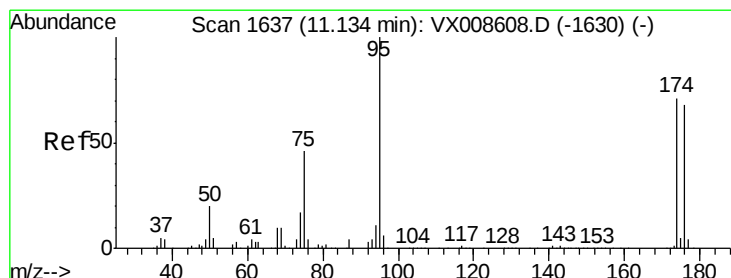
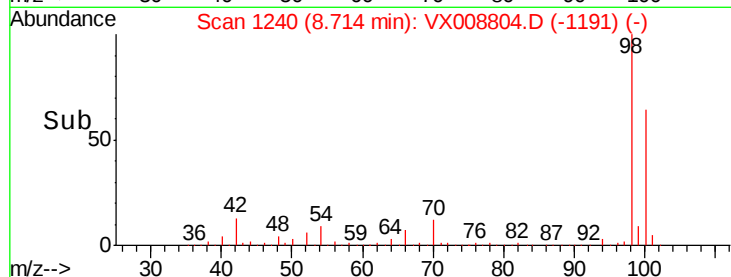
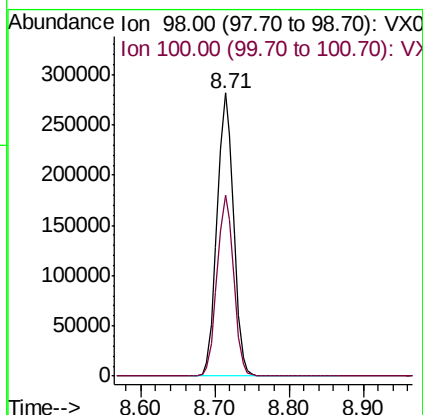
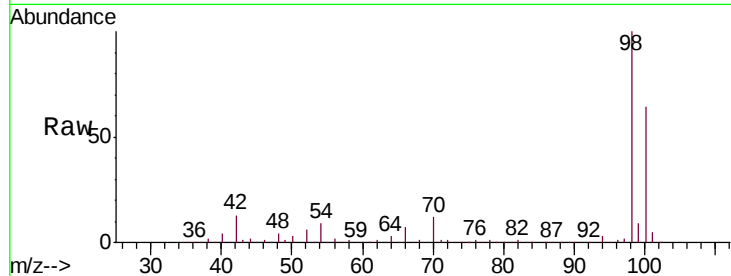




#50
Toluene-d8
Concen: 49.874 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008804.D
Acq: 10 Apr 2019 14:46

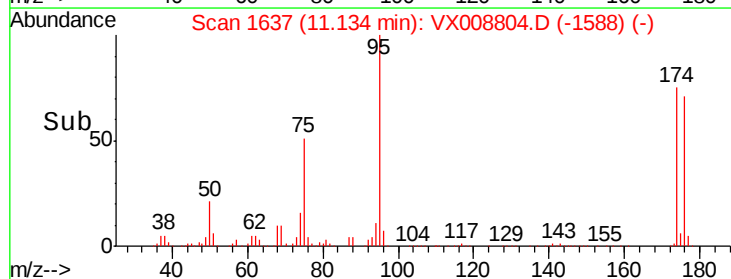
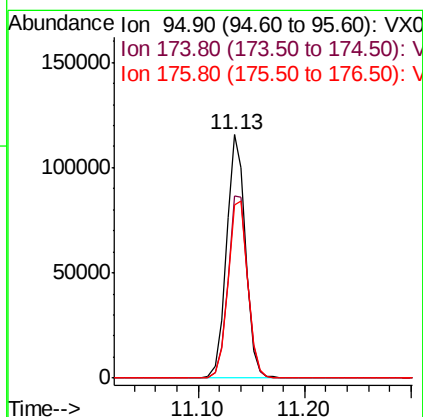
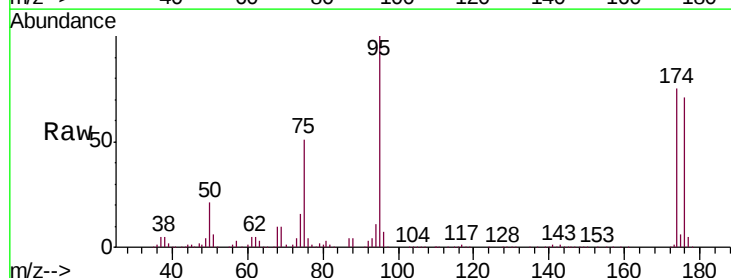
Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-190408

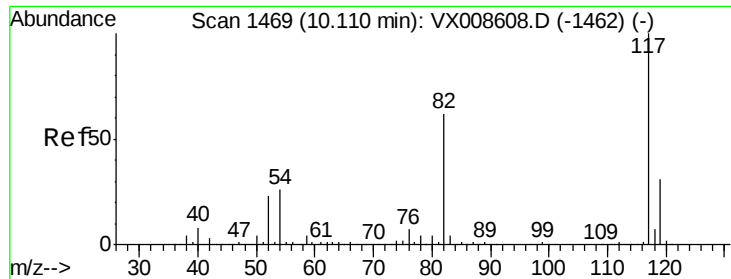
Tgt Ion: 98 Resp: 430109
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 47.064 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008804.D
Acq: 10 Apr 2019 14:46

Tgt Ion: 95 Resp: 143930
Ion Ratio Lower Upper
95 100
174 77.6 0.0 151.8
176 75.8 0.0 145.8

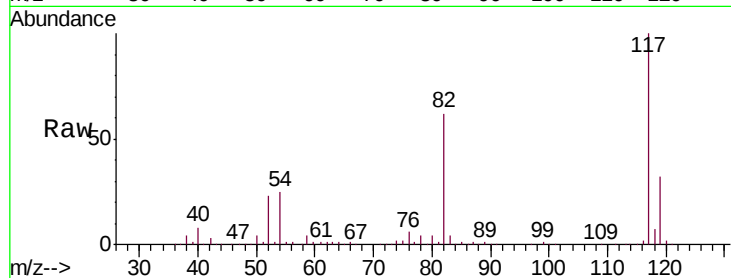




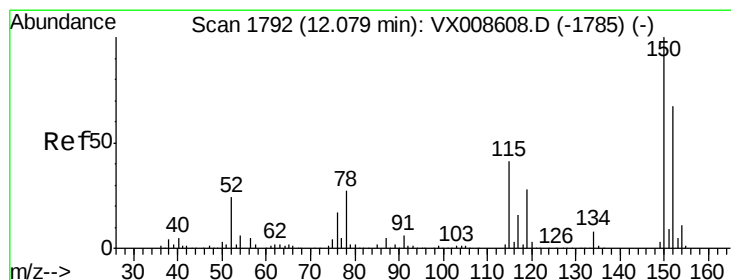
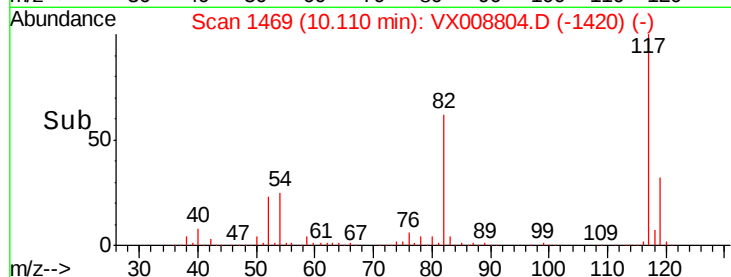
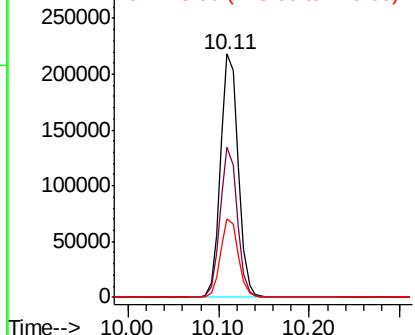
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008804.D
Acq: 10 Apr 2019 14:46

Instrument :
MSVOA_X
ClientSampleId :
SS037MW310-190408

Tgt Ion:117 Resp: 297943
Ion Ratio Lower Upper
117 100
82 61.5 49.6 74.4
119 32.0 25.0 37.4

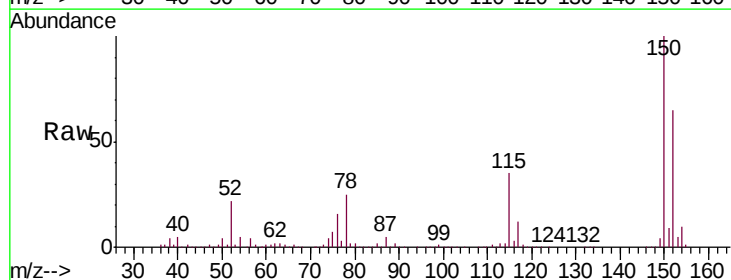


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

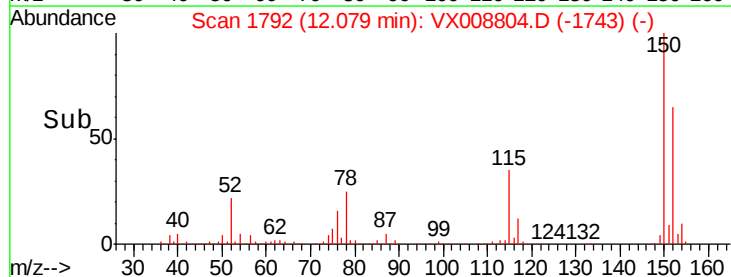
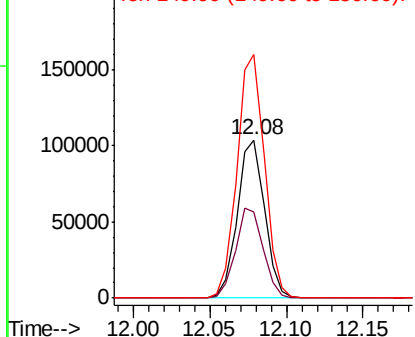


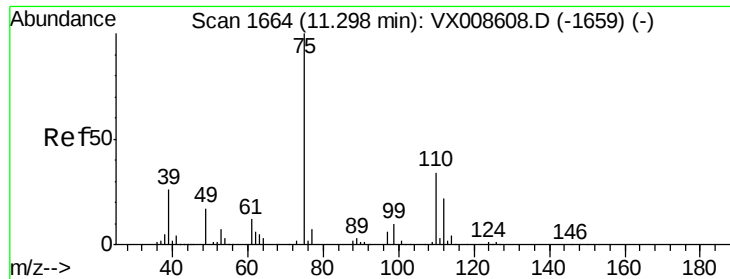
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008804.D
Acq: 10 Apr 2019 14:46

Tgt Ion:152 Resp: 127980
Ion Ratio Lower Upper
152 100
115 58.1 43.5 130.5
150 155.4 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

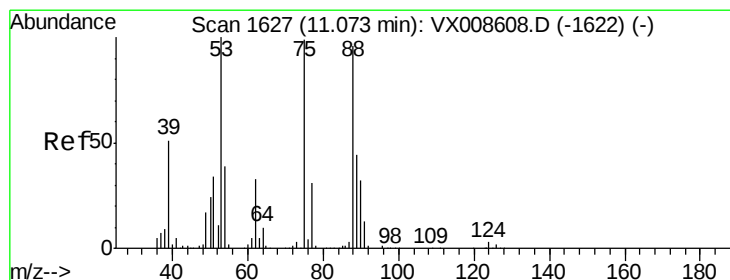
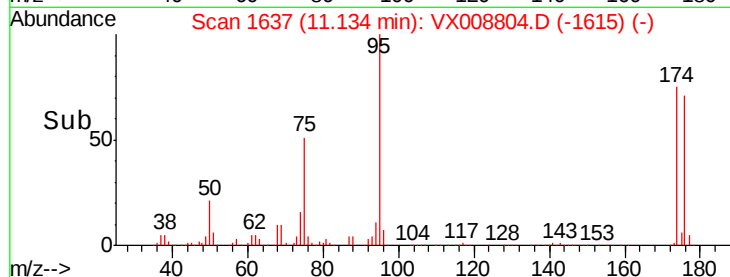
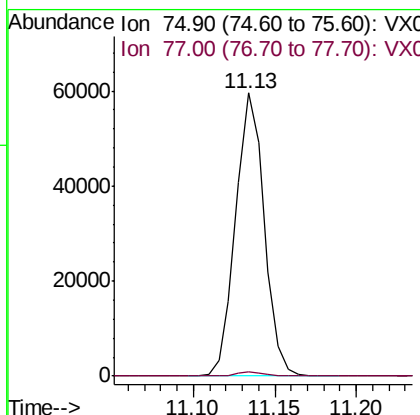
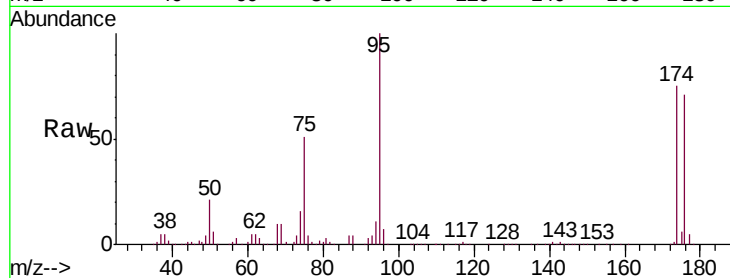




#76
 1,2,3-Trichloropropane
 Concen: 20.796 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008804.D
 Acq: 10 Apr 2019 14:46

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW310-190408

Tgt Ion: 75 Resp: 73112
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.3 66.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.324 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008804.D
 Acq: 10 Apr 2019 14:46

Tgt Ion: 75 Resp: 73112
 Ion Ratio Lower Upper
 75 100
 53 0.1 81.3 121.9#
 89 0.0 35.6 53.4#

