

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009017.D
 Acq On : 17 Apr 2019 16:10
 Operator : JC/SP
 Sample : K2450-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190416

Quant Time: Apr 18 01:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

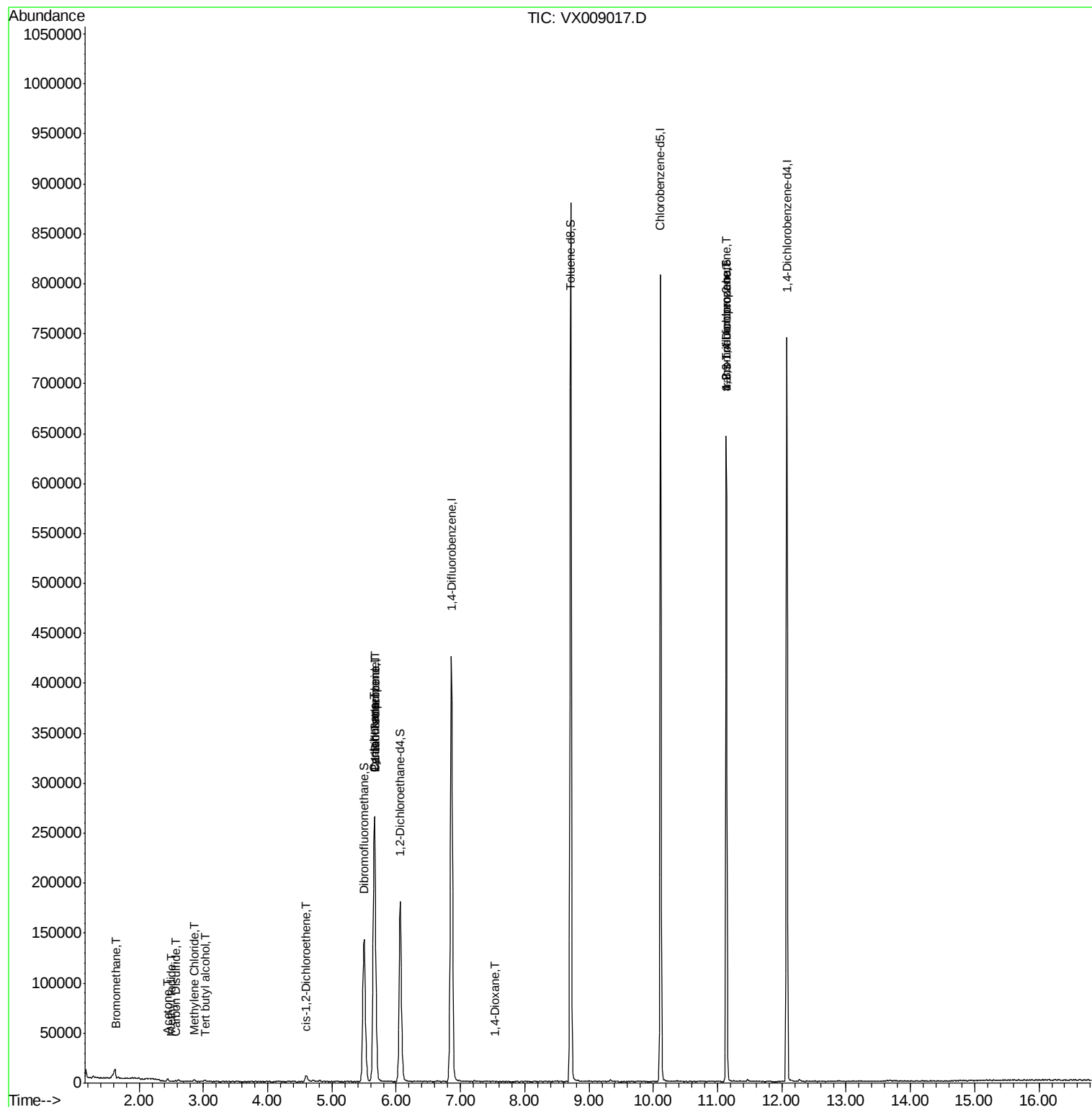
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	416332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	168751	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
35) Dibromofluoromethane	5.50	113	122609	45.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.78%	
50) Toluene-d8	8.71	98	514696	48.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.60%	
62) 4-Bromofluorobenzene	11.13	95	173008	45.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.98%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	317	3.979	ug/l #	79
10) Methyl Iodide	2.51	142	112	4.450	ug/l #	42
11) Tert butyl alcohol	3.04	59	1107	1.366	ug/l #	82
16) Acetone	2.45	43	2843	1.501	ug/l	90
17) Carbon Disulfide	2.57	76	592	1.323	ug/l #	75
20) Methylene Chloride	2.85	84	722	0.223	ug/l #	91
27) cis-1,2-Dichloroethene	4.59	96	3226	0.959	ug/l	92
28) Bromochloromethane	5.03	49	96	Below Cal	#	21
31) Cyclohexane	5.65	56	5839	1.004	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20505	4.762	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24375	6.678	ug/l #	19
49) 1,4-Dioxane	7.53	88	22	0.266	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	86978	23.471	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	86978	60.256	ug/l #	11

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009017.D
Acq On : 17 Apr 2019 16:10
Operator : JC/SP
Sample : K2450-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190416

Quant Time: Apr 18 01:37:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

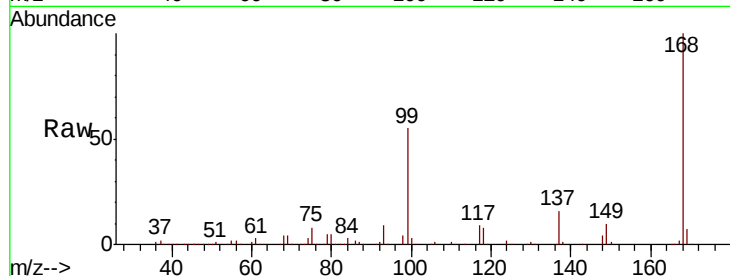
OUTFALL001-190416

Tot Ion:168 Resp: 259099

Ion Ratio Lower Upper

168 100

99 54.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

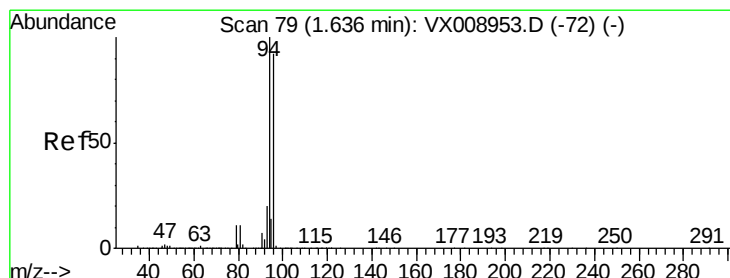
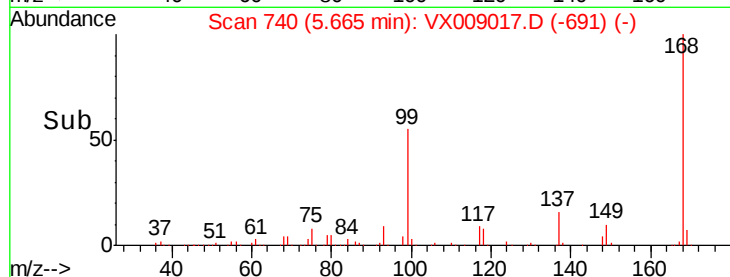
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.979 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009017.D

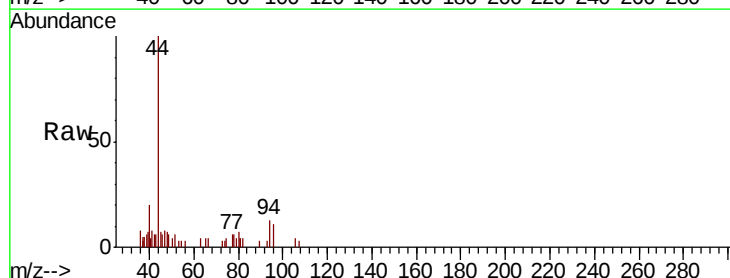
Acq: 17 Apr 2019 16:10

Tgt Ion: 94 Resp: 317

Ion Ratio Lower Upper

94 100

96 112.5 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

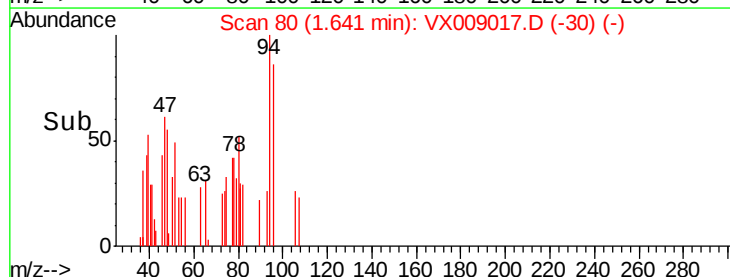
150

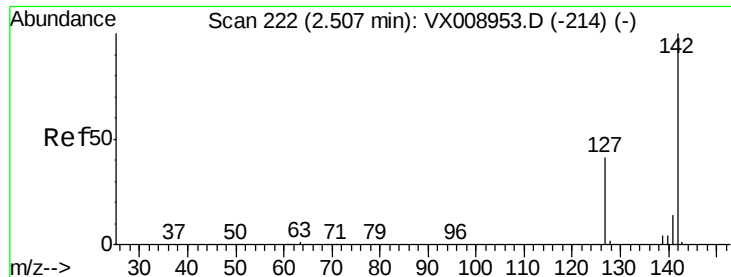
100

50

0

Time--> 1.60 1.65

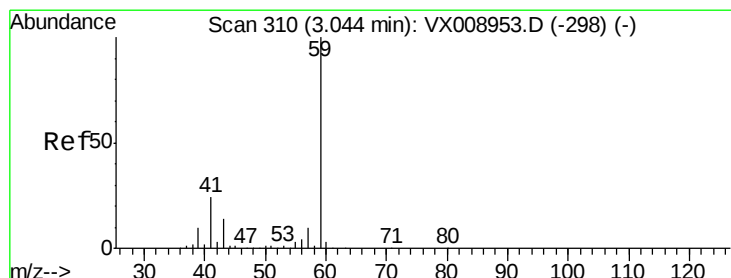
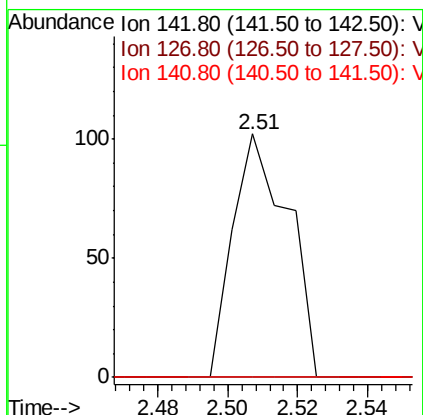
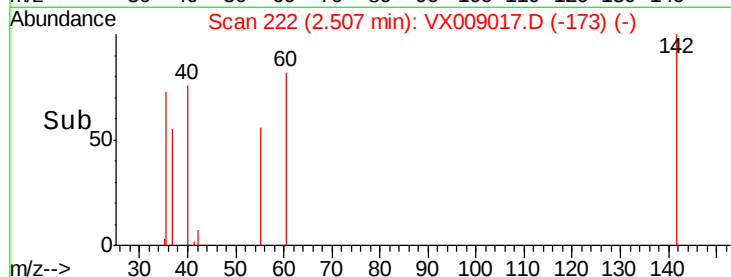
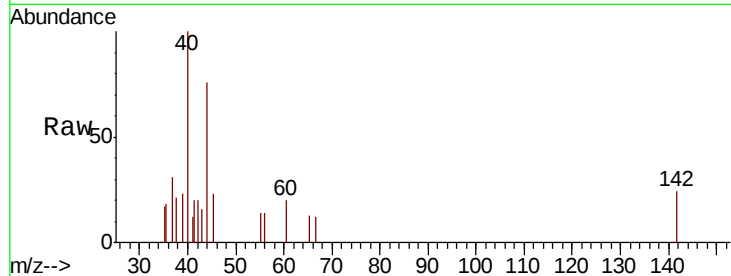




#10
Methvl Iodide
Concen: 4.450 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

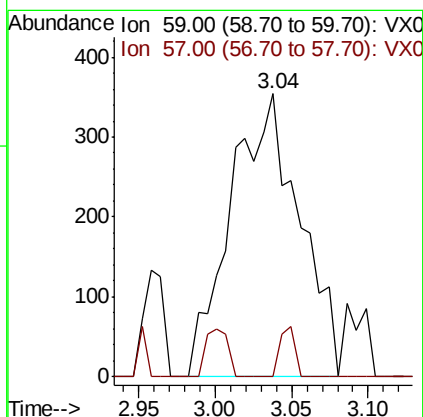
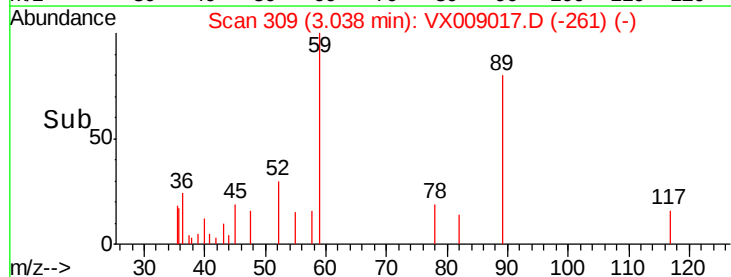
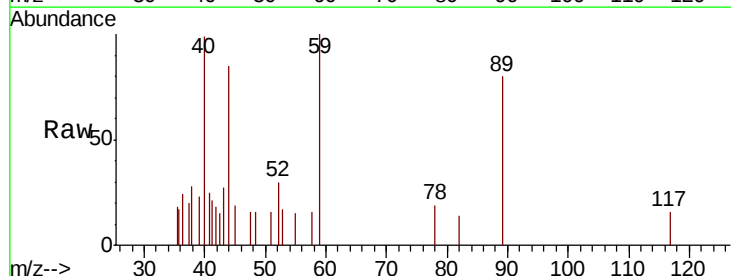
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190416

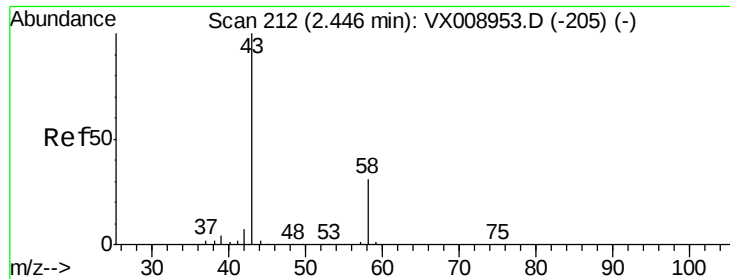
Tot Ion:142 Resp: 112
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.366 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

Tgt Ion: 59 Resp: 1107
Ion Ratio Lower Upper
59 100
57 3.8 8.4 12.6#





#16

Acetone

Concen: 1.501 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

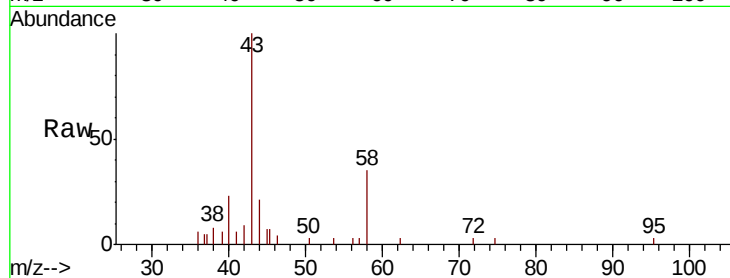
OUTFALL001-190416

Tot Ion: 43 Resp: 2843

Ion Ratio Lower Upper

43 100

58 36.3 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

1500

1000

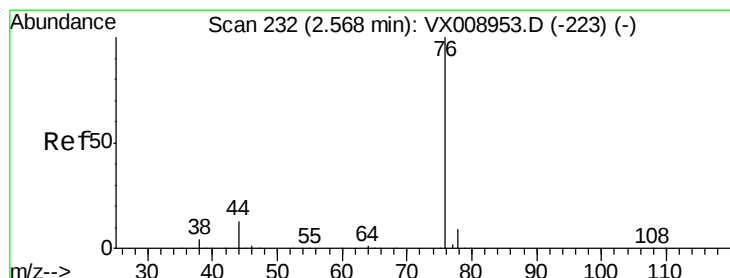
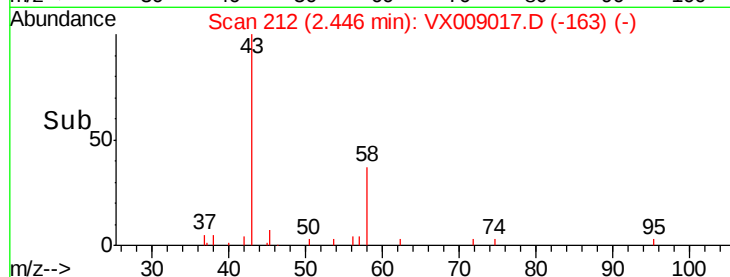
500

0

Time-->

2.35 2.40 2.45 2.50

2.45



#17

Carbon Disulfide

Concen: 1.323 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009017.D

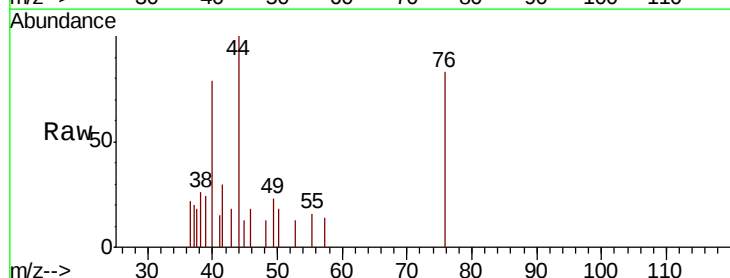
Acq: 17 Apr 2019 16:10

Tgt Ion: 76 Resp: 592

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

300

200

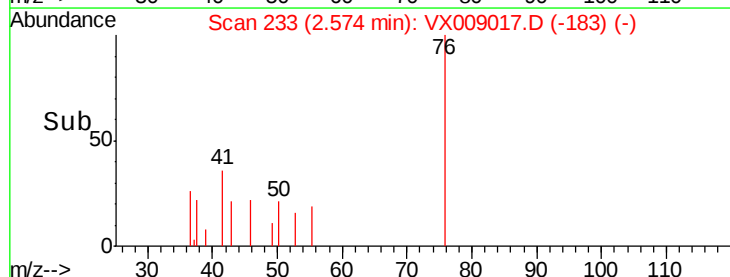
100

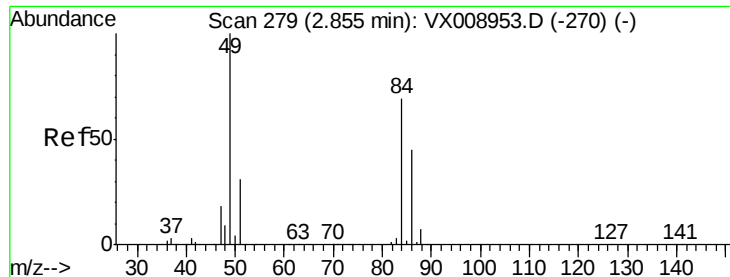
0

Time-->

2.55 2.60

2.57





#20

Methvlene Chloride

Concen: 0.223 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190416

Tot Ion: 84 Resp: 722

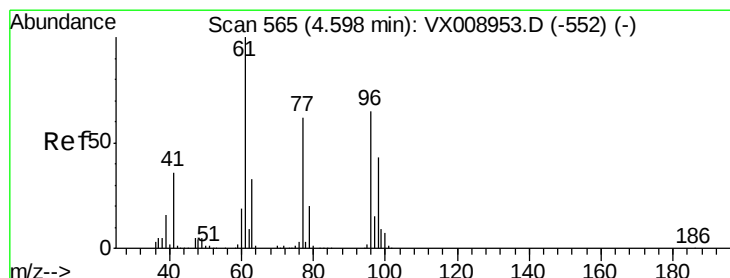
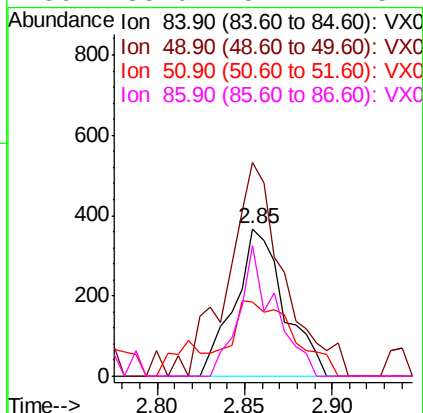
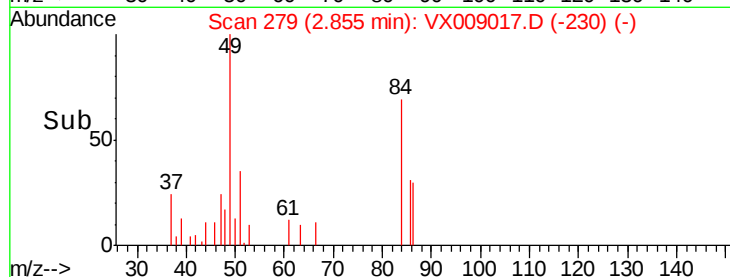
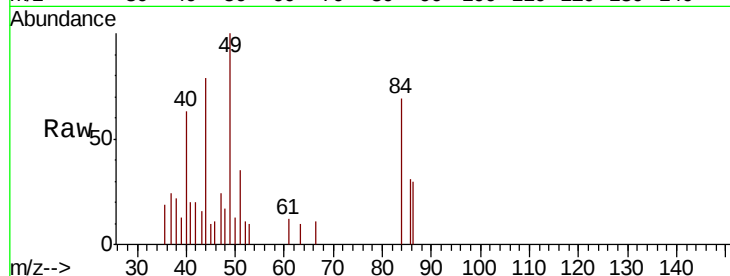
Ion Ratio Lower Upper

84 100

49 144.6 115.4 173.0

51 50.5 35.8 53.6

86 88.0 52.1 78.1#



#27

cis-1,2-Dichloroethene

Concen: 0.959 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

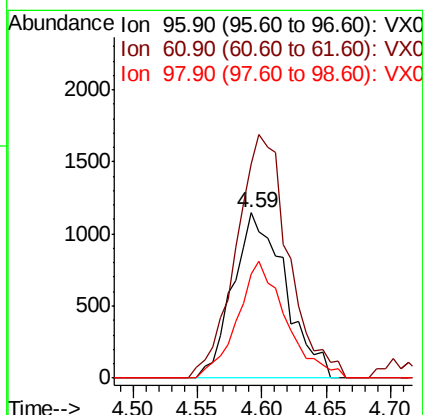
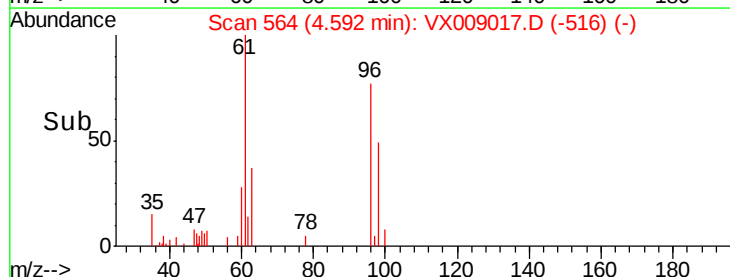
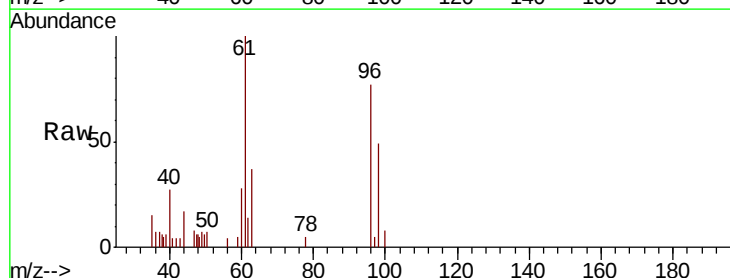
Tgt Ion: 96 Resp: 3226

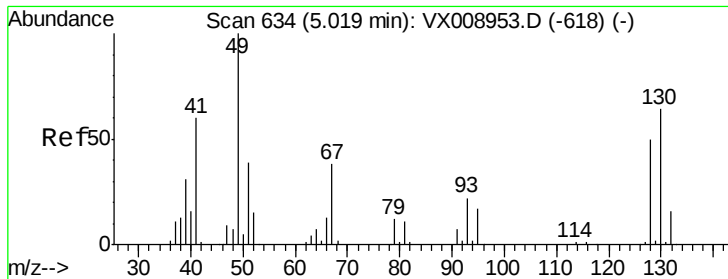
Ion Ratio Lower Upper

96 100

61 147.9 0.0 322.0

98 65.7 0.0 128.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190416

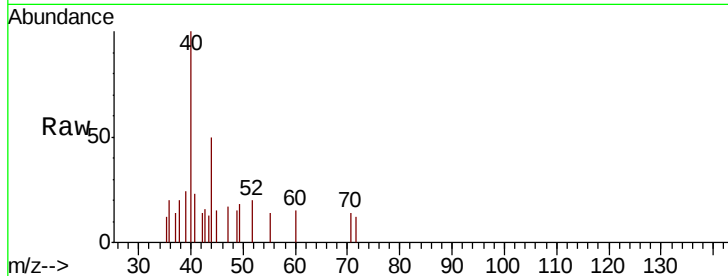
Tot Ion: 49 Resp: 96

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

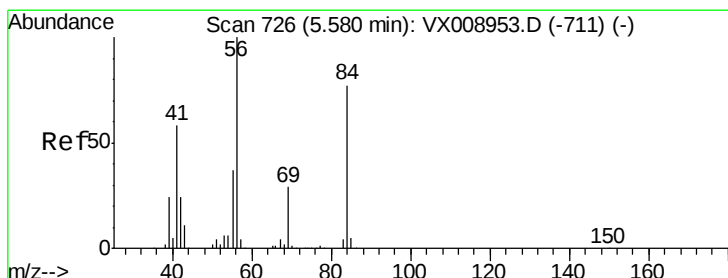
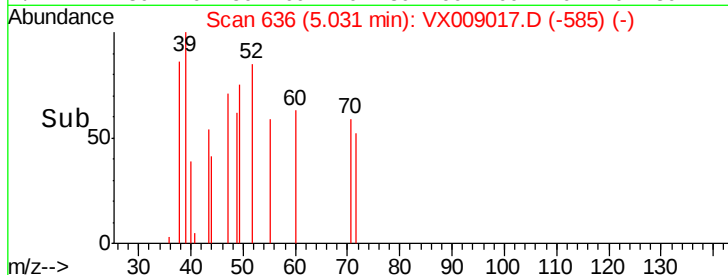
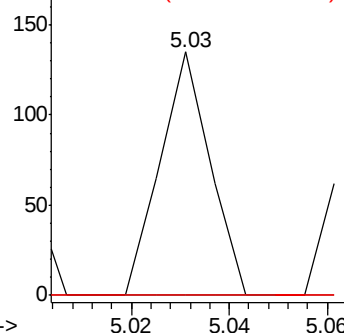
130 0.0 50.4 75.6#



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: 1.004 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

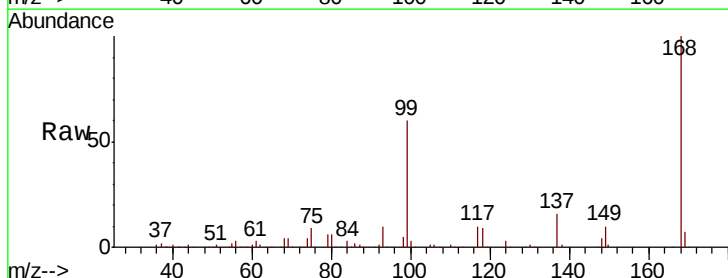
Tgt Ion: 56 Resp: 5839

Ion Ratio Lower Upper

56 100

69 151.4 23.3 34.9#

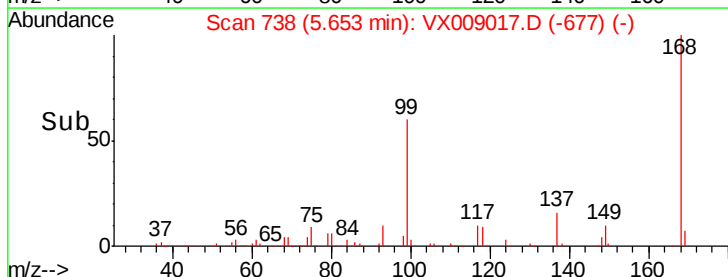
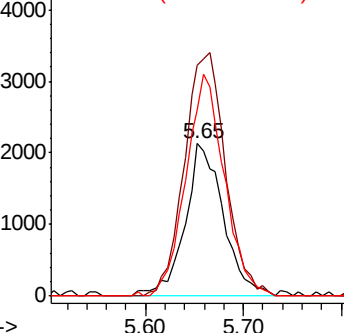
84 121.7 61.7 92.5#

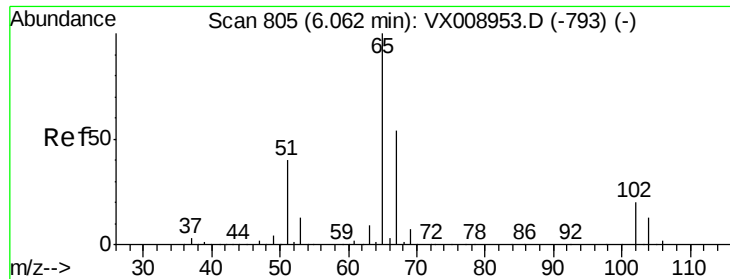


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.215 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

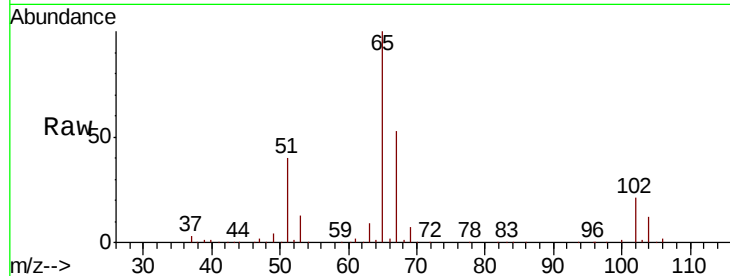
OUTFALL001-190416

Tot Ion: 65 Resp: 168751

Ion Ratio Lower Upper

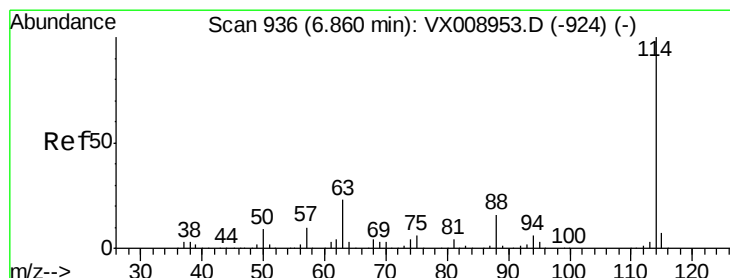
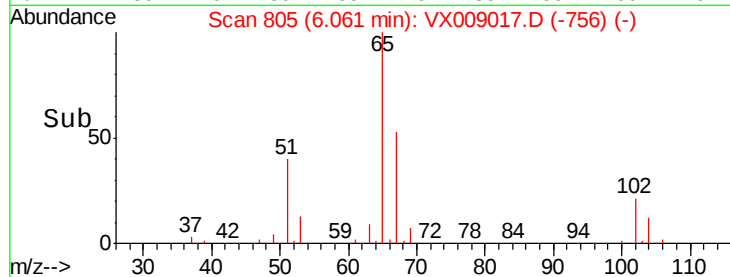
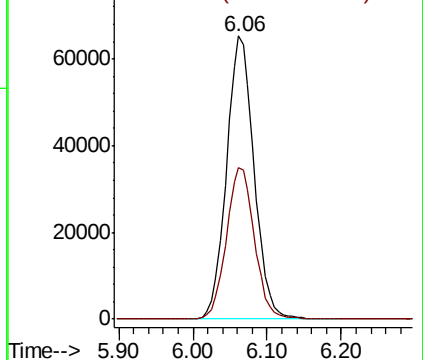
65 100

67 54.3 0.0 108.6



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: VX009017.D

Acq: 17 Apr 2019 16:10

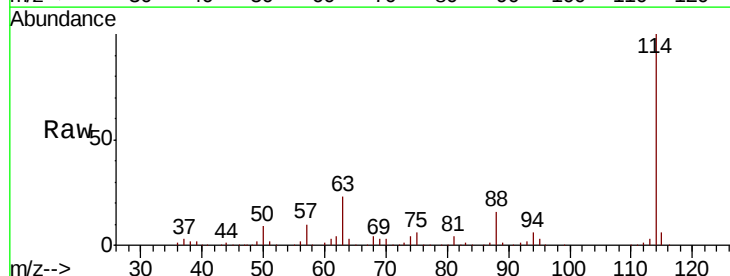
Tgt Ion: 114 Resp: 416332

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.0

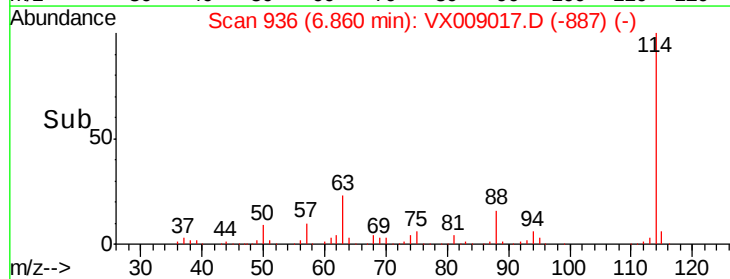
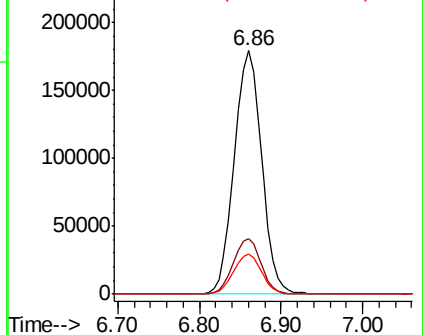
88 16.3 0.0 32.6

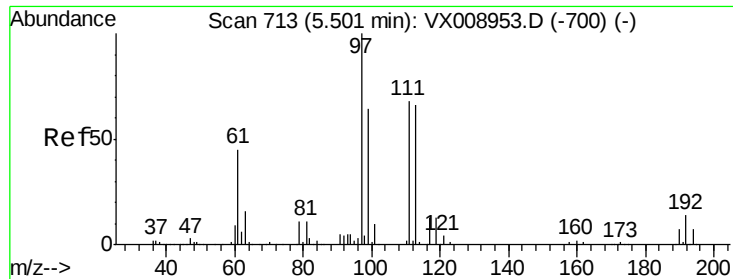


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

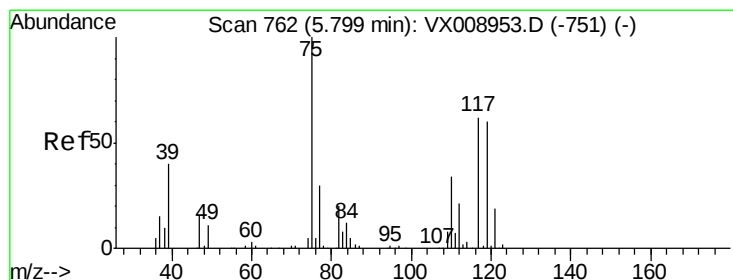
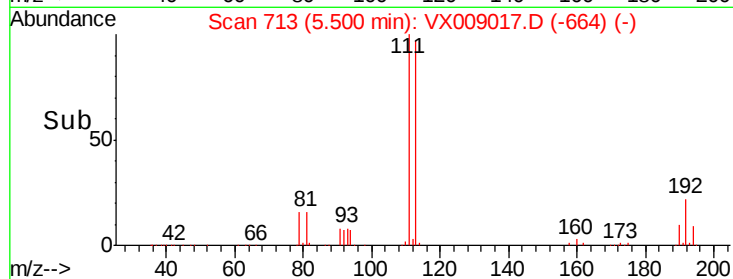
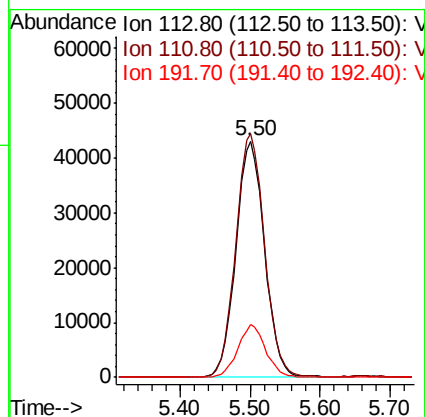
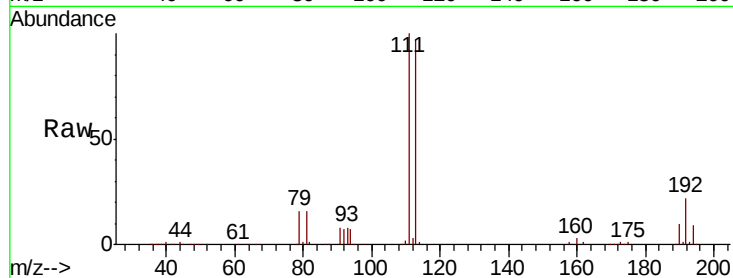




#35
 Dibromofluoromethane
 Concen: 45.888 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009017.D
 Acq: 17 Apr 2019 16:10

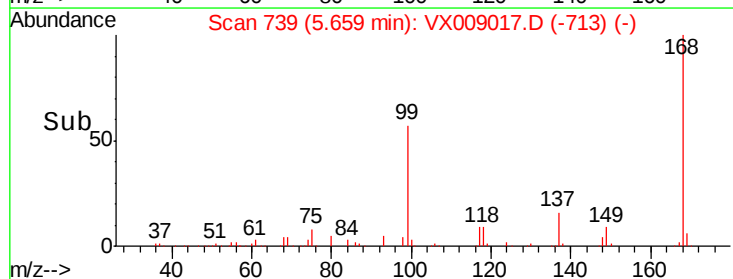
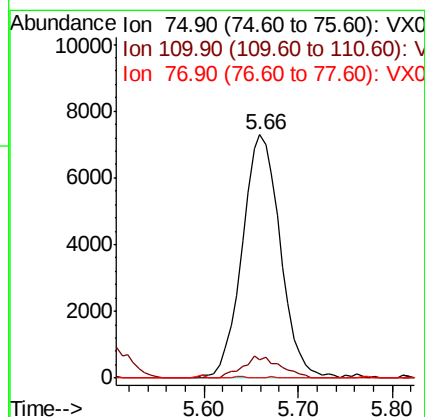
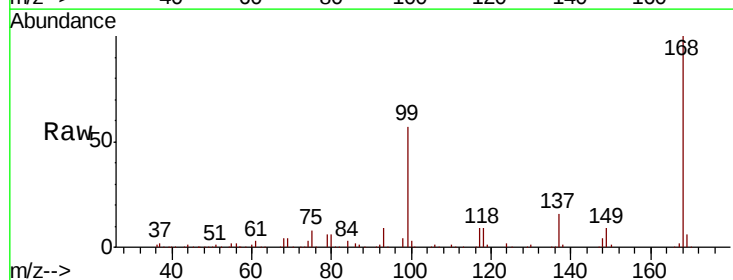
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190416

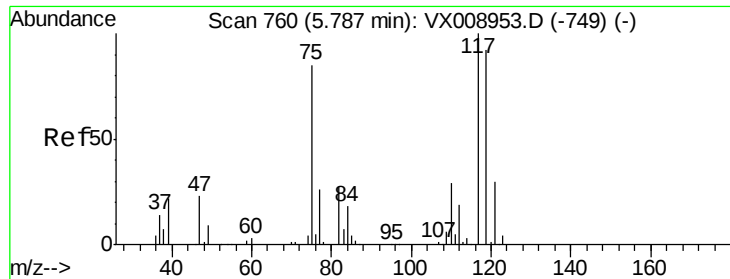
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	21.6	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.762 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009017.D
 Acq: 17 Apr 2019 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.7#
77	0.1	25.0	37.4#

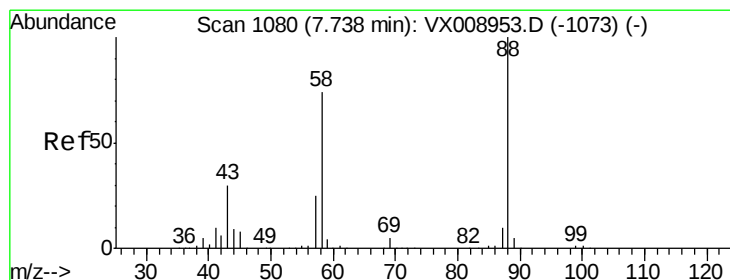
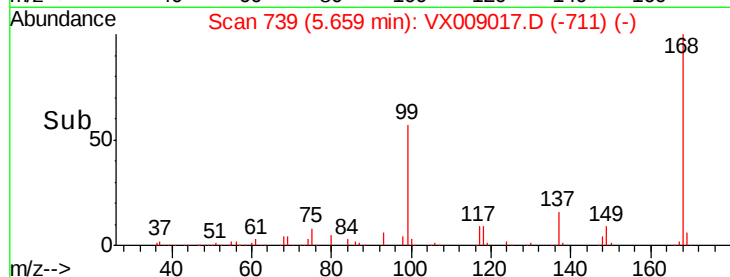
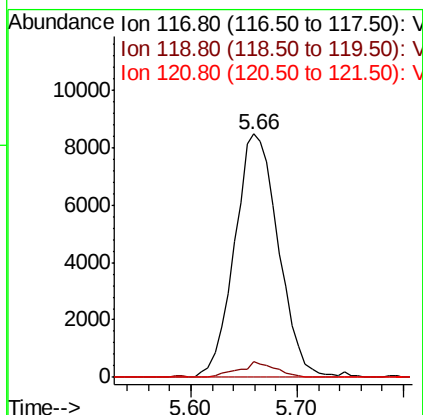
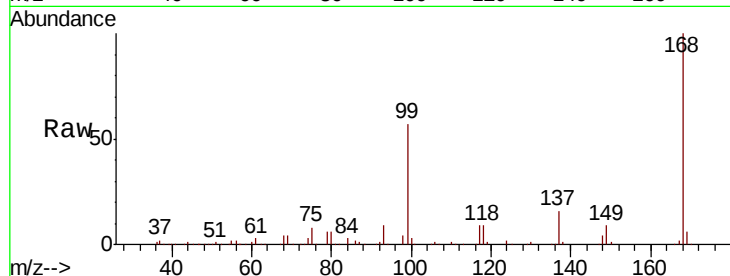




#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

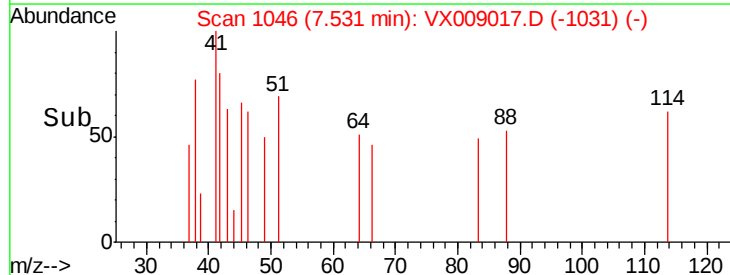
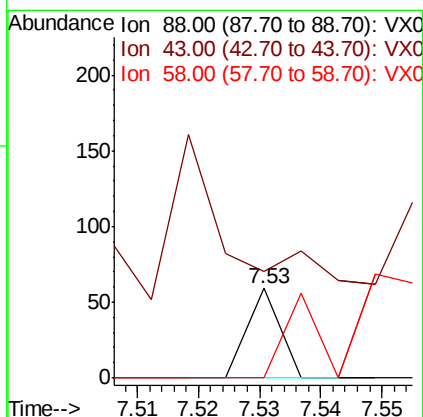
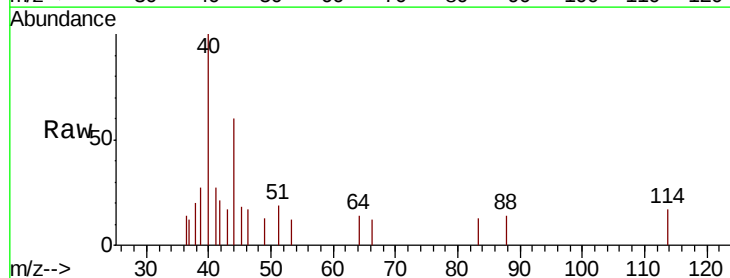
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190416

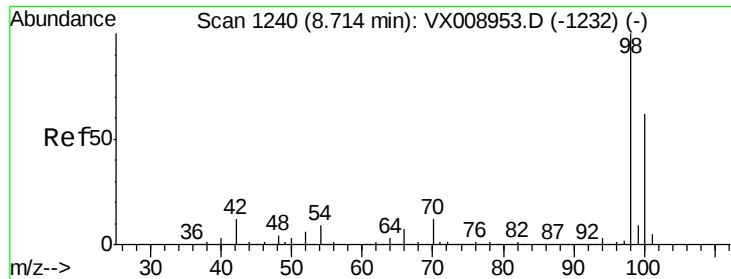
Tot Ion:117 Resp: 24375
Ion Ratio Lower Upper
117 100
119 6.3 73.8 110.8#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 0.266 ug/l
RT: 7.53 min Scan# 1046
Delta R.T. -0.21 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 1009.1 29.3 43.9#
58 0.0 62.6 93.8#

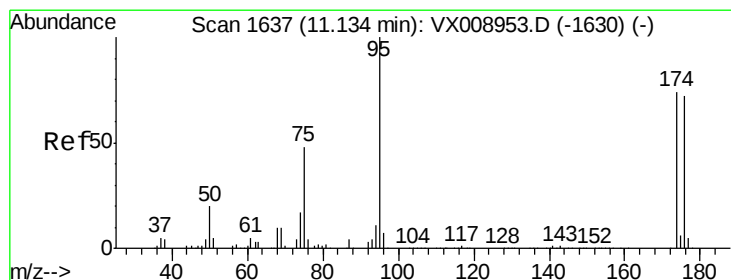
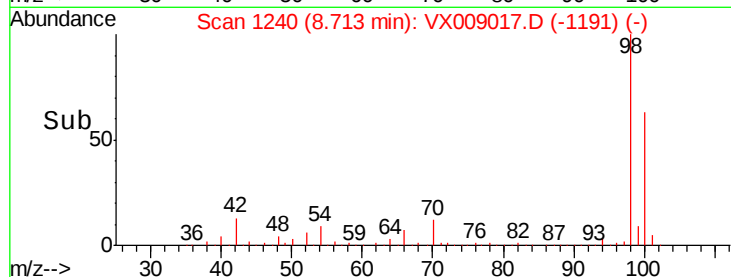
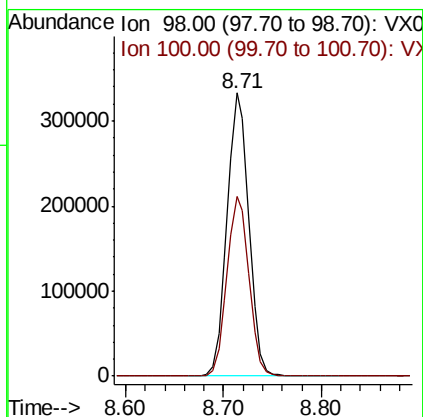
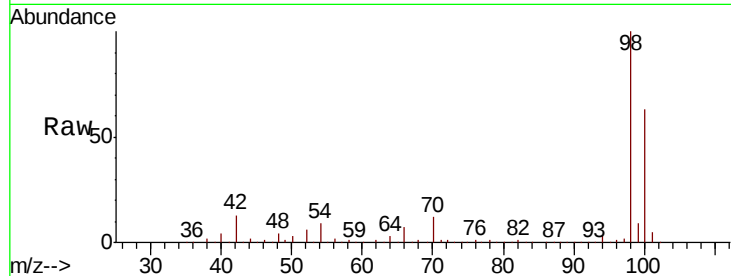




#50
Toluene-d8
Concen: 48.302 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

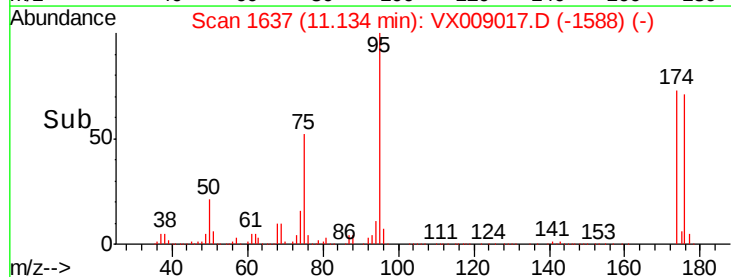
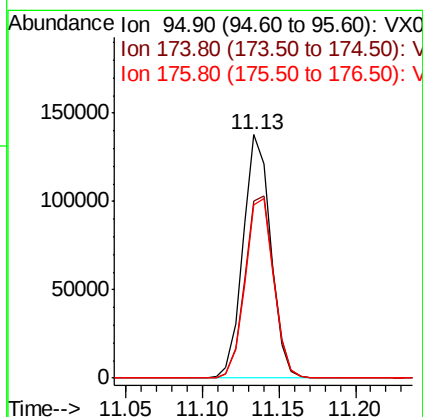
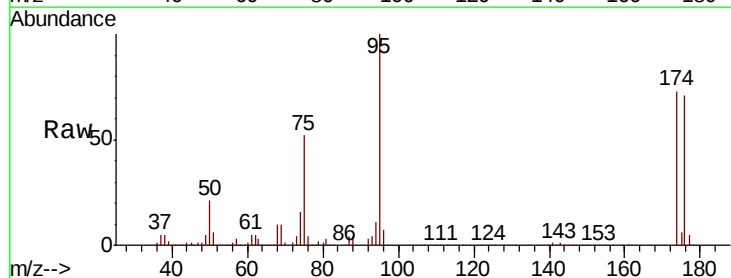
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190416

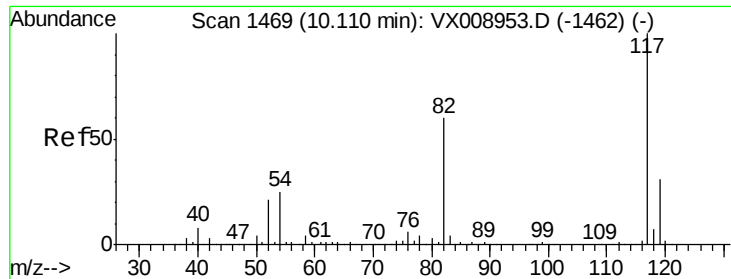
Tot Ion: 98 Resp: 514696
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.994 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

Tgt Ion: 95 Resp: 173008
Ion Ratio Lower Upper
95 100
174 78.3 0.0 159.6
176 76.2 0.0 154.8

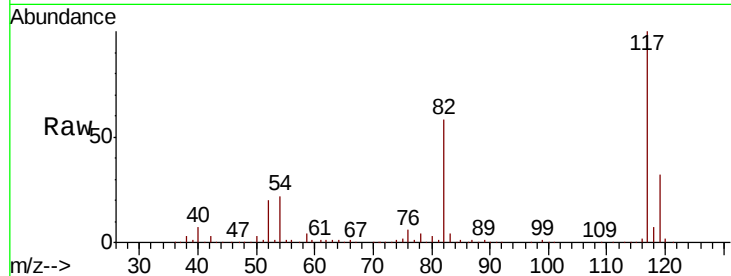




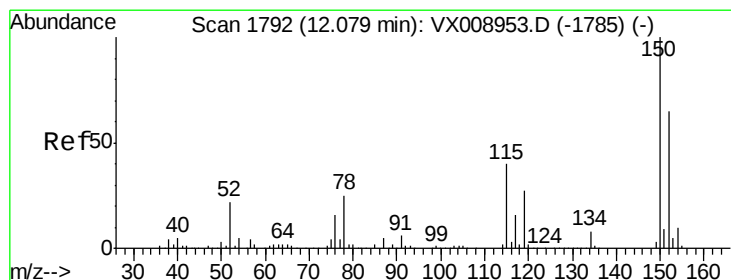
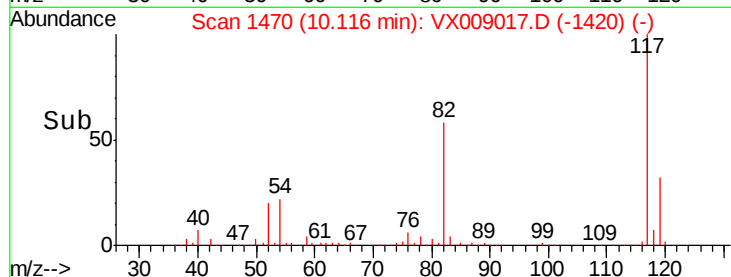
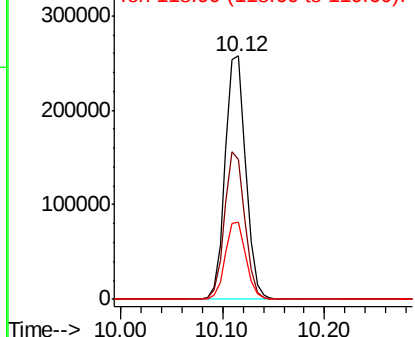
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190416

Tot Ion:117 Resp: 358378
Ion Ratio Lower Upper
117 100
82 57.5 48.2 72.4
119 31.8 25.0 37.6

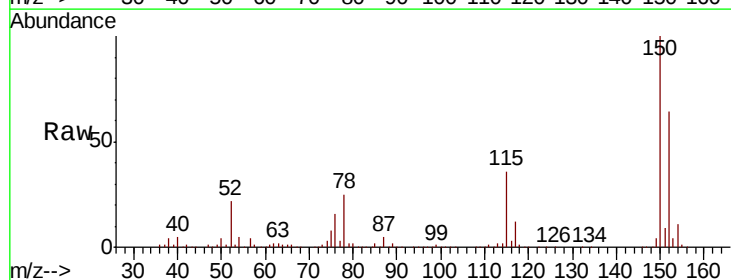


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

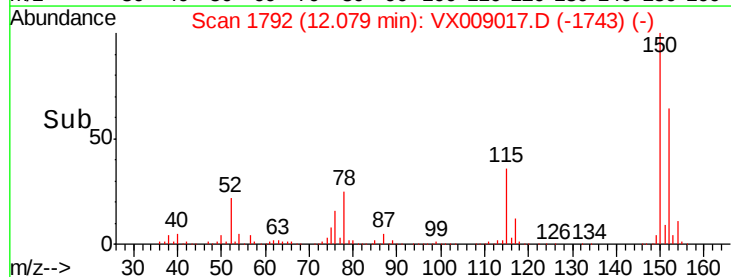
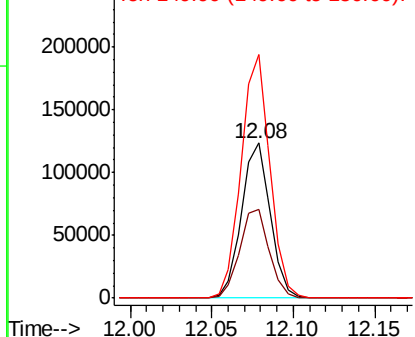


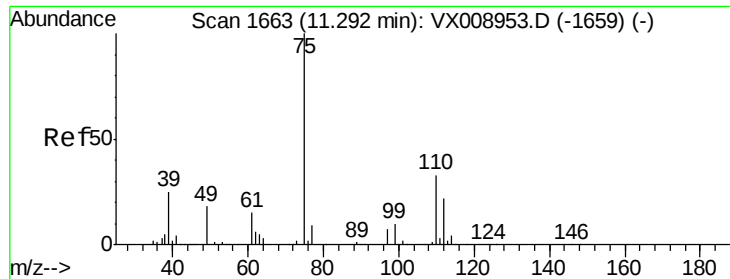
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009017.D
Acq: 17 Apr 2019 16:10

Tgt Ion:152 Resp: 151764
Ion Ratio Lower Upper
152 100
115 59.0 41.4 124.2
150 157.3 0.0 349.8



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: 23.471 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

Instrument :

MSVOA_X

ClientSampleId :

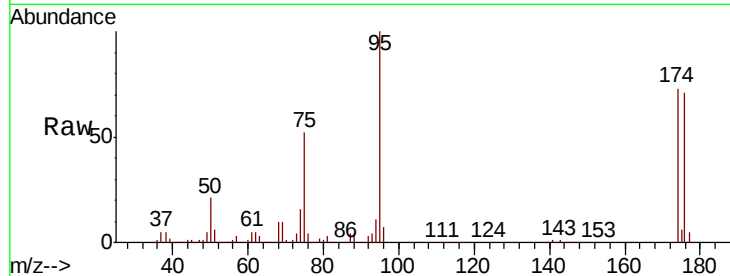
OUTFALL001-190416

Tot Ion: 75 Resp: 86978

Ion Ratio Lower Upper

75 100

77 1.3 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

80000

60000

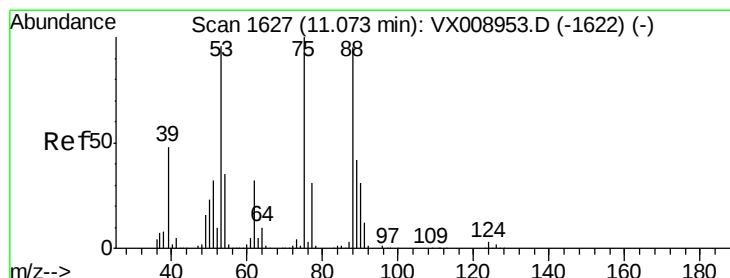
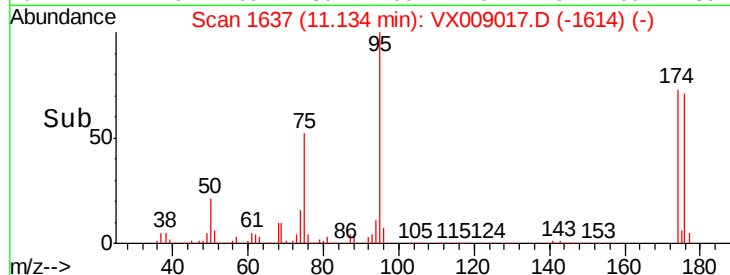
40000

20000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 60.256 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009017.D

Acq: 17 Apr 2019 16:10

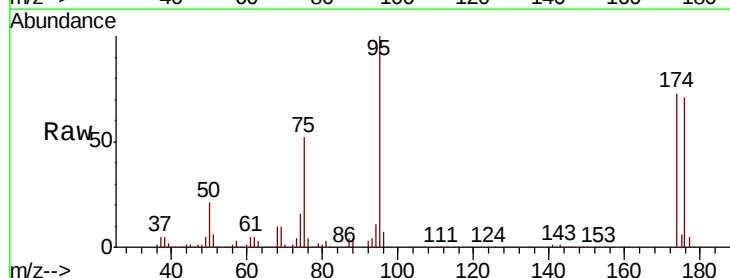
Tgt Ion: 75 Resp: 86978

Ion Ratio Lower Upper

75 100

53 0.3 78.2 117.4#

89 0.0 36.0 54.0#



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

100000

80000

60000

40000

20000

0

11.10 11.20

Time-->

