

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062119\
 Data File : VX010380.D
 Acq On : 21 Jun 2019 13:28
 Operator : JC/SP
 Sample : K3476-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190620

Quant Time: Jun 21 23:10:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303913	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	464110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	417801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	190773	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	140489	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	5.50	113	141226	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	8.71	98	548051	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.13	95	183831	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	

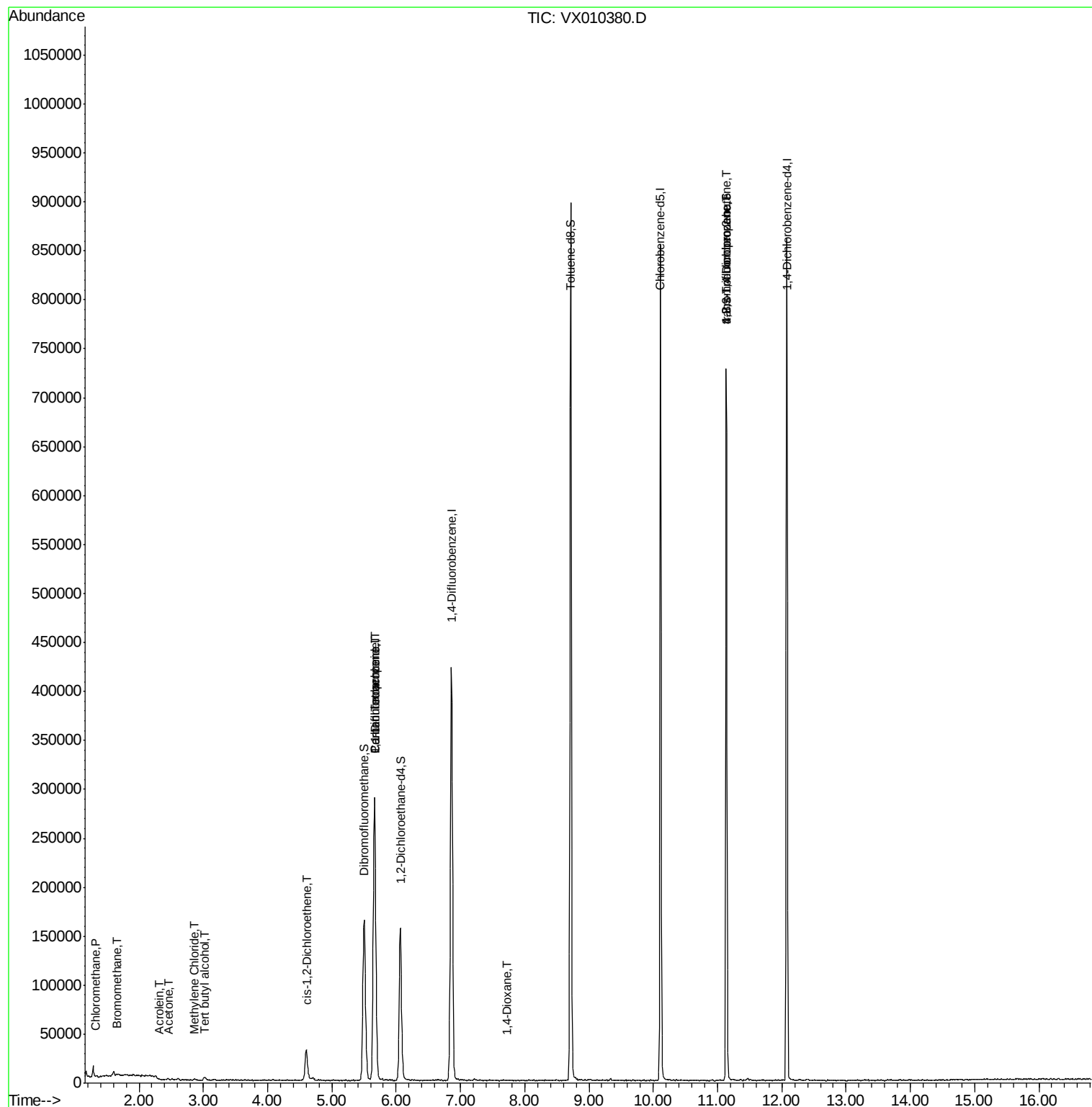
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.34	50	520	0.211	ug/l	96
5) Bromomethane	1.65	94	714	0.544	ug/l #	55
11) Tert butyl alcohol	3.02	59	1647	2.209	ug/l	98
13) Acrolein	2.32	56	249	0.503	ug/l #	63
16) Acetone	2.45	43	1913	1.340	ug/l	88
20) Methylene Chloride	2.87	84	655	0.223	ug/l #	60
27) cis-1,2-Dichloroethene	4.60	96	22761	6.952	ug/l	89
36) 1,1-Dichloropropene	5.66	75	18781	5.092	ug/l #	48
38) Carbon Tetrachloride	5.67	117	26693	6.684	ug/l #	15
49) 1,4-Dioxane	7.72	88	22	0.262	ug/l #	42
76) 1,2,3-Trichloropropane	11.13	75	86912	25.001	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	86912	58.324	ug/l #	16

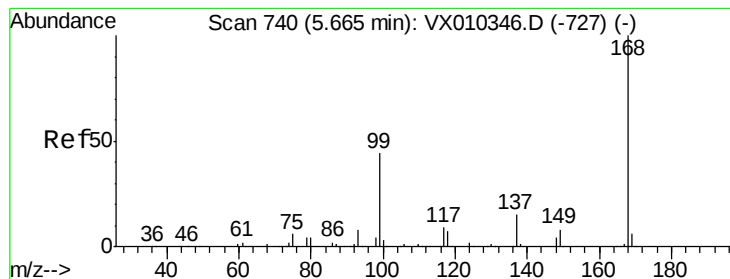
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062119\
Data File : VX010380.D
Acq On : 21 Jun 2019 13:28
Operator : JC/SP
Sample : K3476-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190620

Quant Time: Jun 21 23:10:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

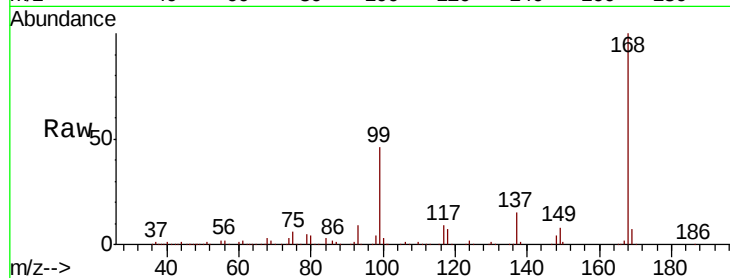
OUTFALL001-190620

Tot Ion:168 Resp: 303913

Ion Ratio Lower Upper

168 100

99 46.4 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

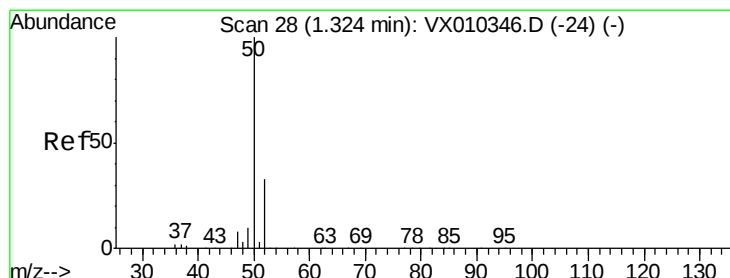
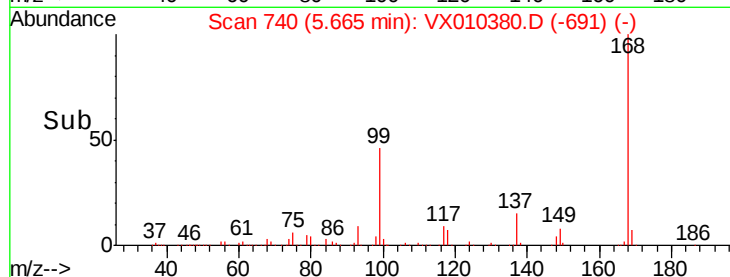
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.34 min Scan# 30

Delta R.T. 0.01 min

Lab File: VX010380.D

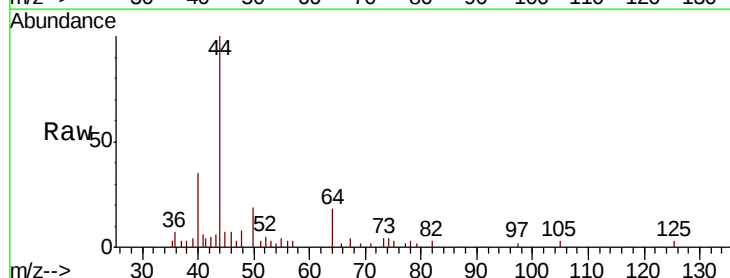
Acq: 21 Jun 2019 13:28

Tgt Ion: 50 Resp: 520

Ion Ratio Lower Upper

50 100

52 30.7 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.34

500

400

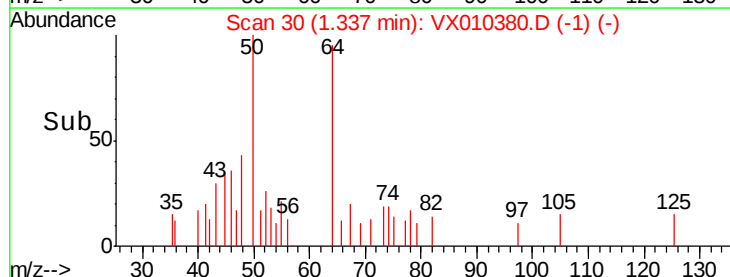
300

200

100

0

Time--> 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.544 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

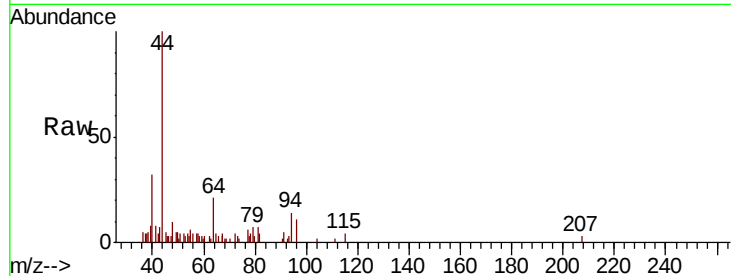
OUTFALL001-190620

Tot Ion: 94 Resp: 714

Ion Ratio Lower Upper

94 100

96 50.9 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

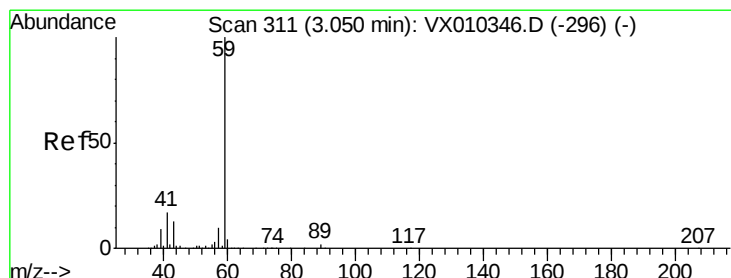
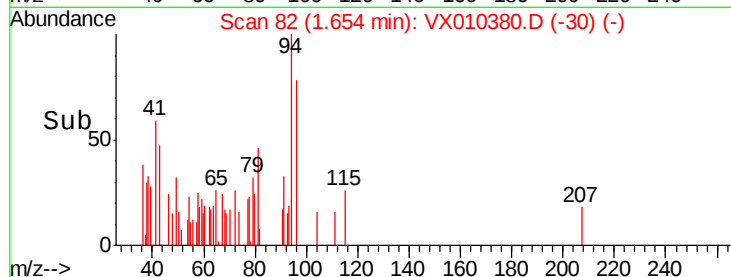
200

100

0

1.60 1.65 1.70

Time-->



#11

Tert butyl alcohol

Concen: 2.209 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010380.D

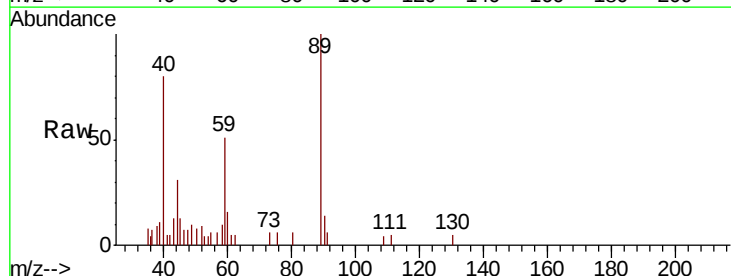
Acq: 21 Jun 2019 13:28

Tgt Ion: 59 Resp: 1647

Ion Ratio Lower Upper

59 100

57 8.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

600

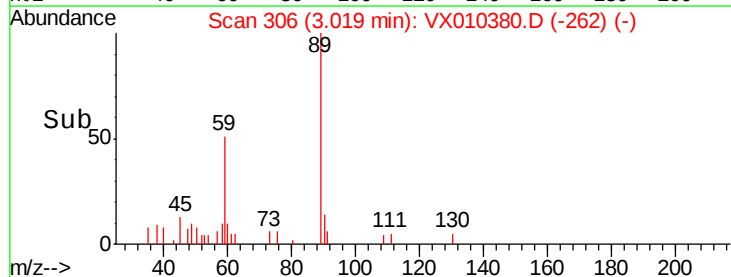
400

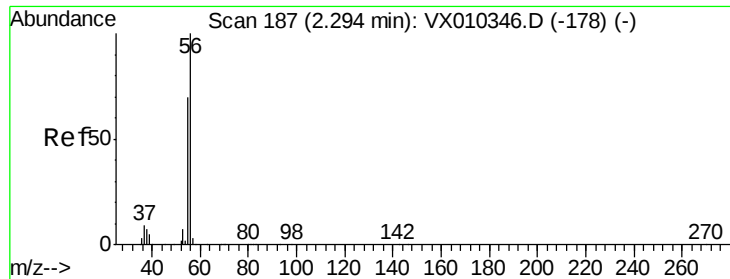
200

0

2.95 3.00 3.05 3.10

Time-->





#13

Acrolein

Concen: 0.503 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.02 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

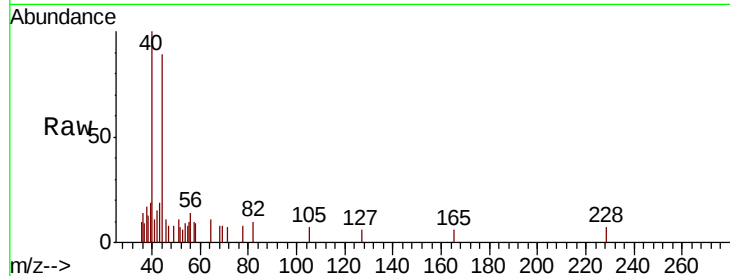
OUTFALL001-190620

Tot Ion: 56 Resp: 249

Ion Ratio Lower Upper

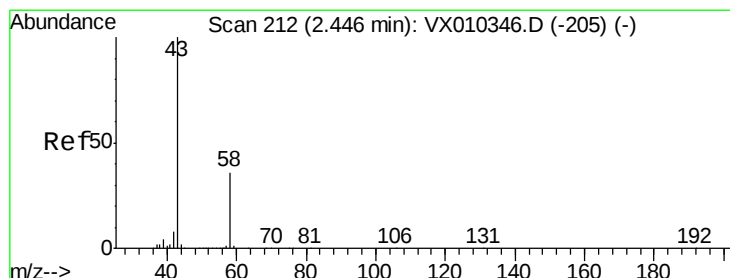
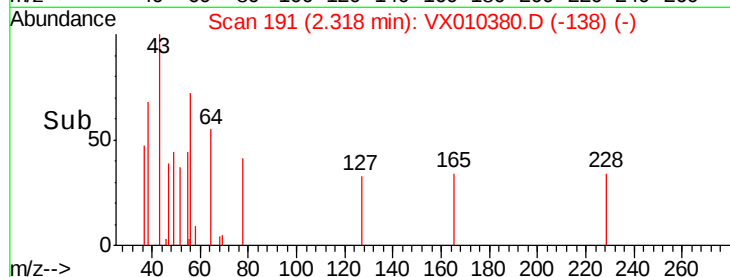
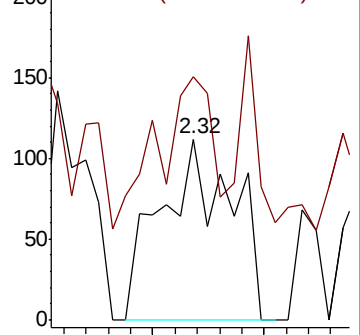
56 100

55 40.2 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.340 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010380.D

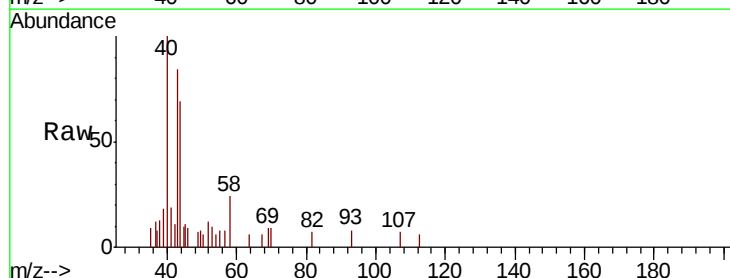
Acq: 21 Jun 2019 13:28

Tgt Ion: 43 Resp: 1913

Ion Ratio Lower Upper

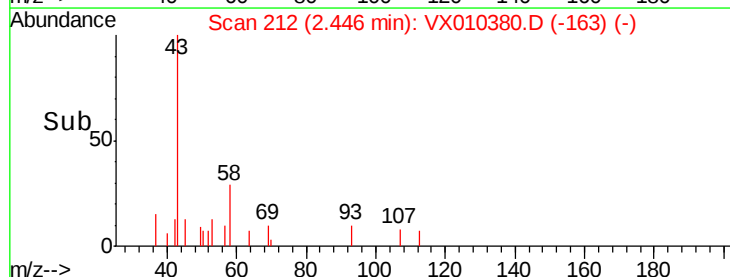
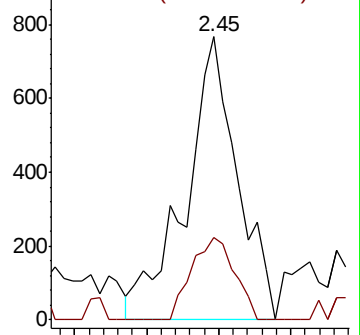
43 100

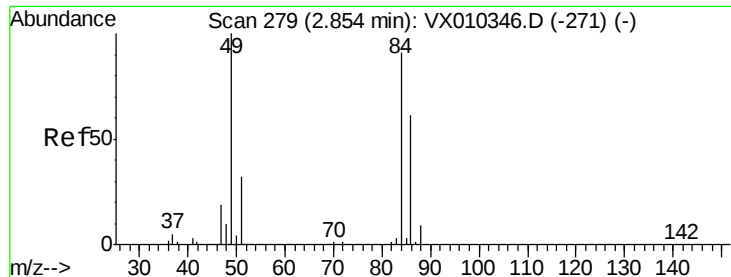
58 29.1 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

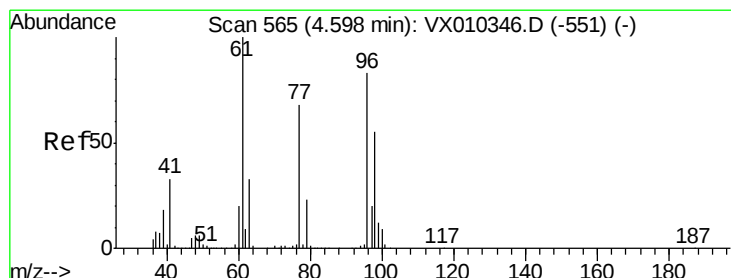
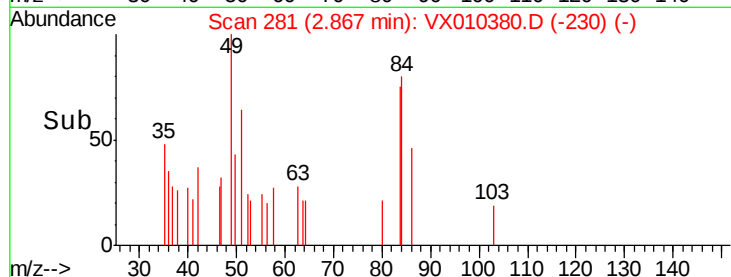
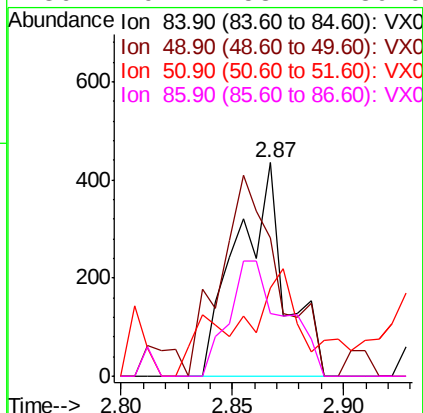
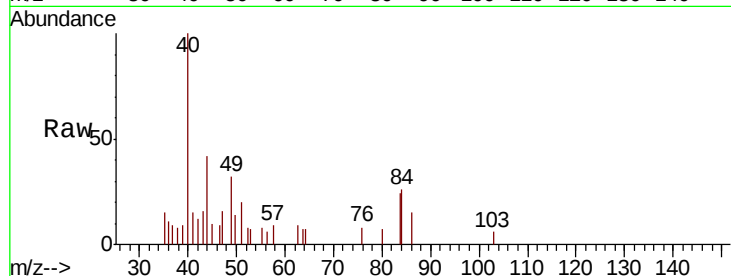




#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX010380.D
Acq: 21 Jun 2019 13:28

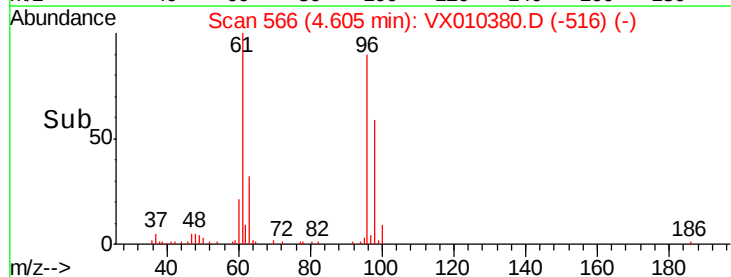
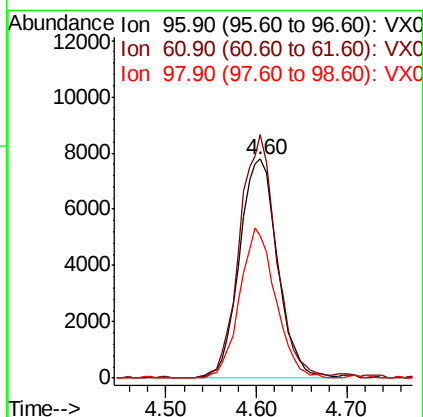
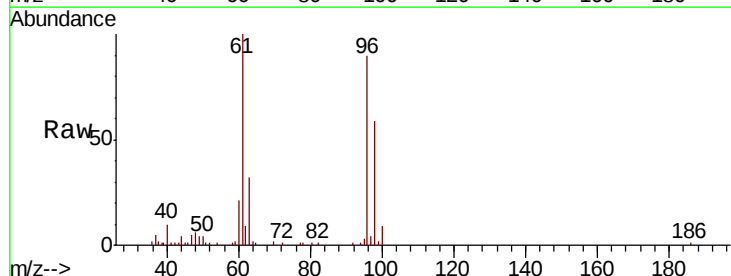
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190620

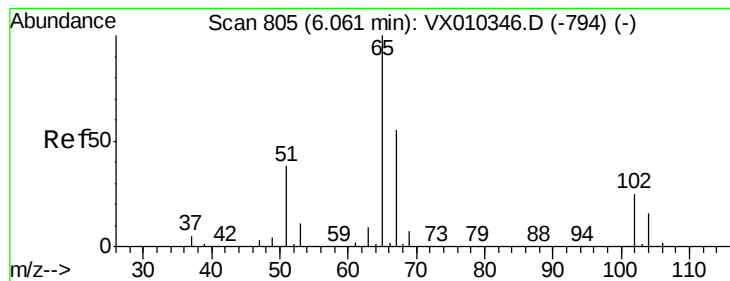
Tot Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 64.6 87.5 131.3#
51 23.7 27.7 41.5#
86 29.7 53.4 80.0#



#27
cis-1,2-Dichloroethene
Concen: 6.952 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010380.D
Acq: 21 Jun 2019 13:28

Tgt Ion: 96 Resp: 22761
Ion Ratio Lower Upper
96 100
61 106.6 0.0 251.8
98 64.2 0.0 129.4





#33

1,2-Dichloroethane-d4

Concen: 49.303 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

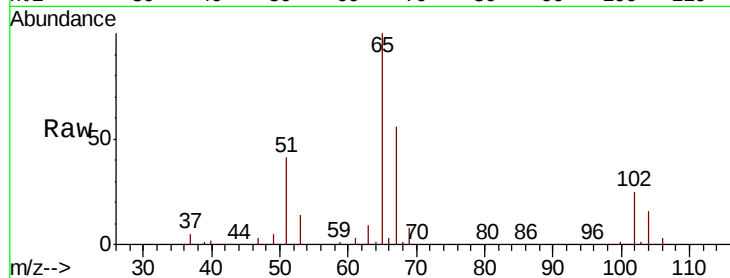
OUTFALL001-190620

Tot Ion: 65 Resp: 140489

Ion Ratio Lower Upper

65 100

67 55.2 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

50000

40000

30000

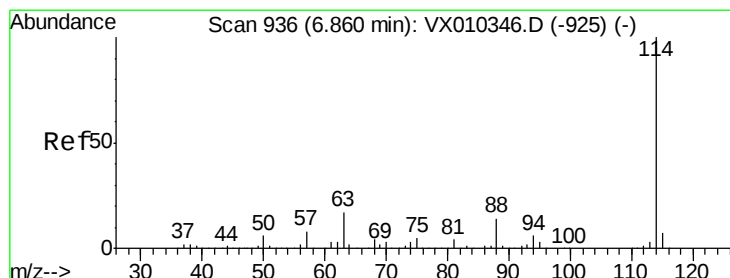
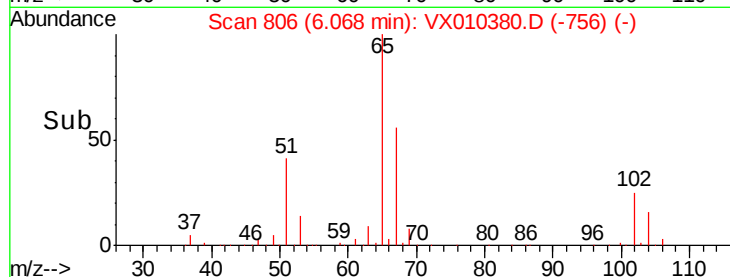
20000

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: VX010380.D

Acq: 21 Jun 2019 13:28

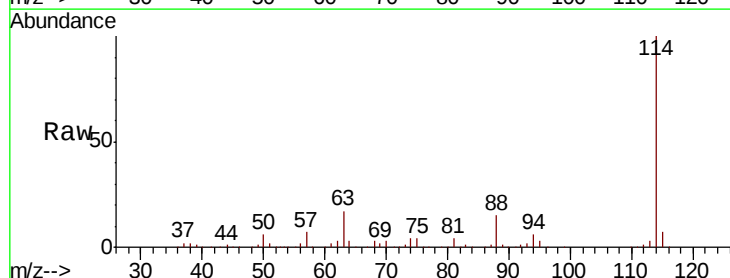
Tgt Ion: 114 Resp: 464110

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.8

88 15.0 0.0 27.6



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

250000

200000

150000

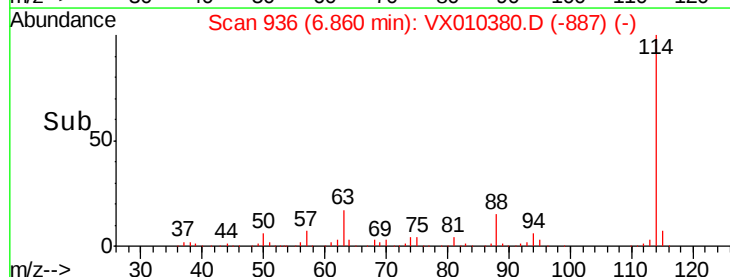
100000

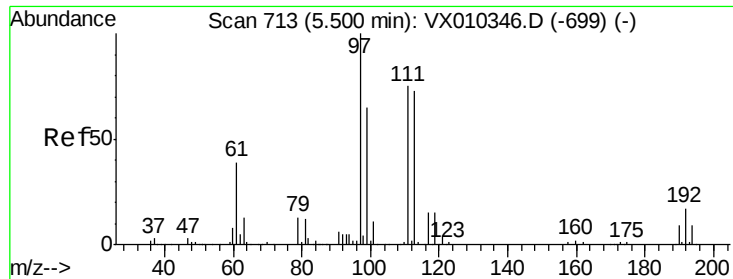
50000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 49.735 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190620

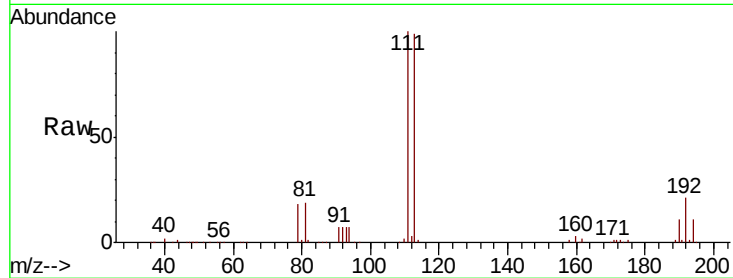
Tot Ion:113 Resp: 141226

Ion Ratio Lower Upper

113 100

111 102.4 81.2 121.8

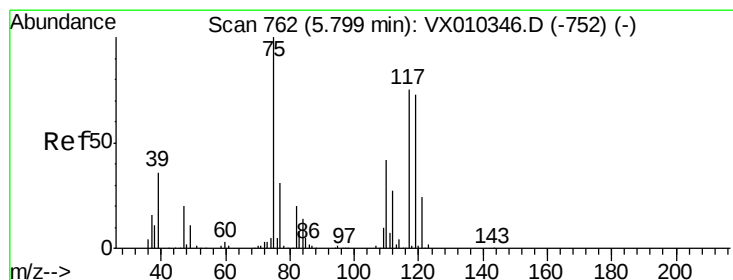
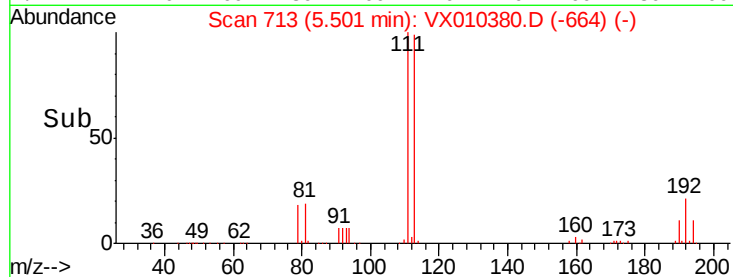
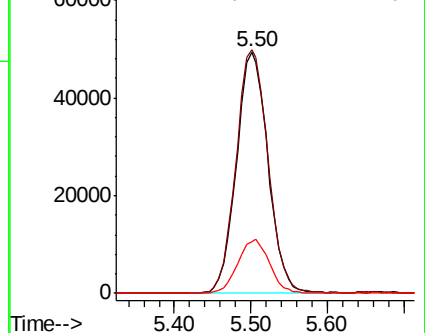
192 22.4 18.6 27.8



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: 5.092 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

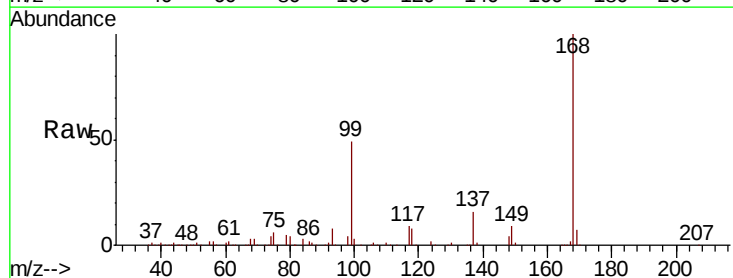
Tgt Ion: 75 Resp: 18781

Ion Ratio Lower Upper

75 100

110 10.9 20.8 62.2#

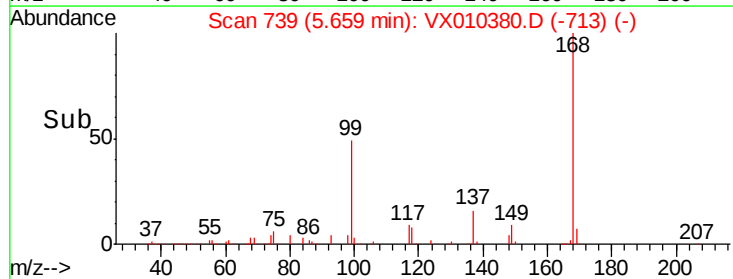
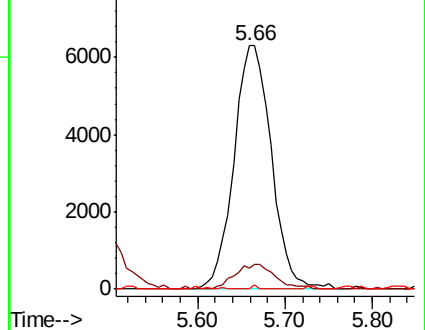
77 0.2 25.4 38.0#

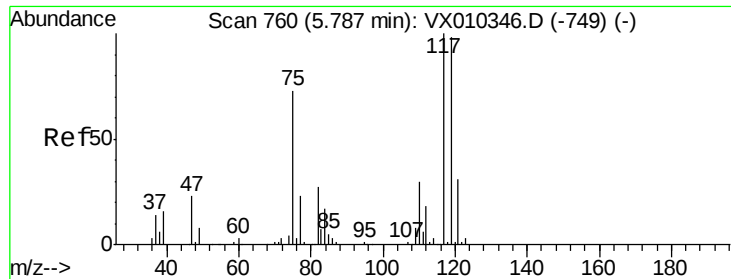


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.684 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190620

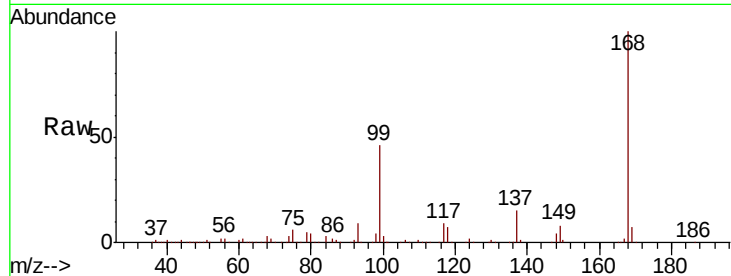
Tot Ion:117 Resp: 26693

Ion Ratio Lower Upper

117 100

119 5.5 78.2 117.4#

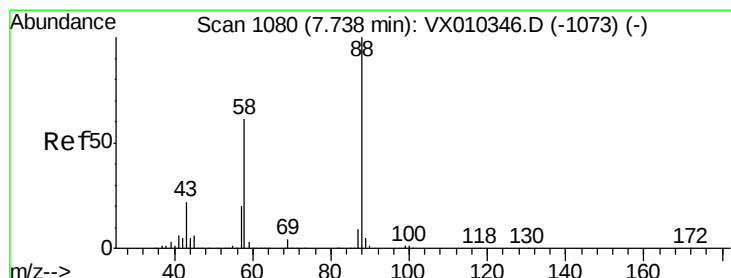
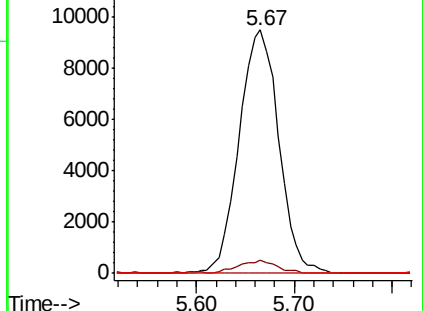
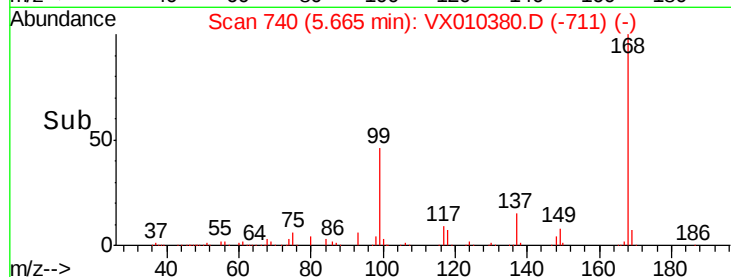
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.262 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

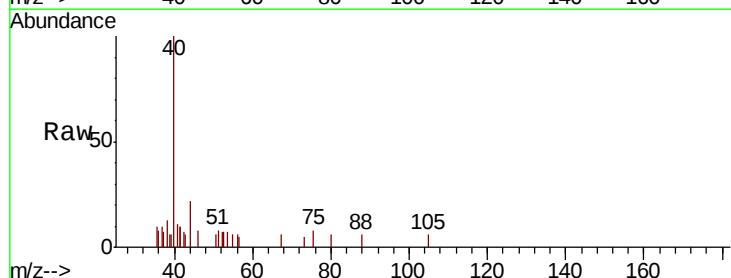
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 20.2 30.2#

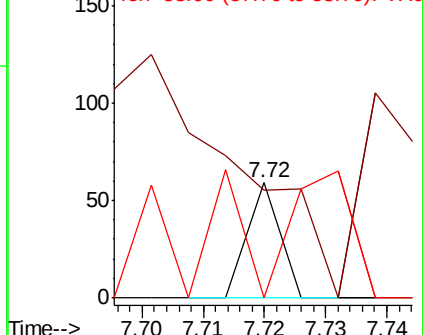
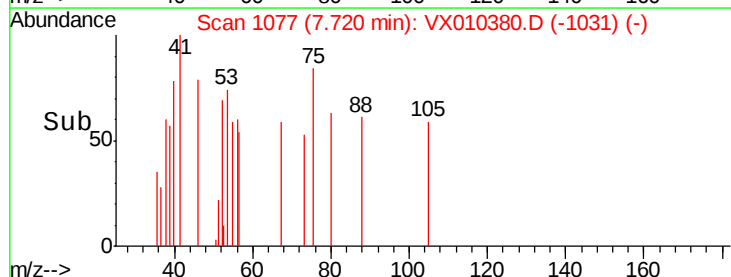
58 109.1 49.5 74.3#

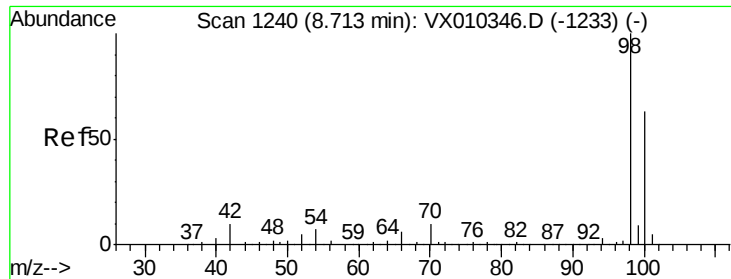


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.448 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

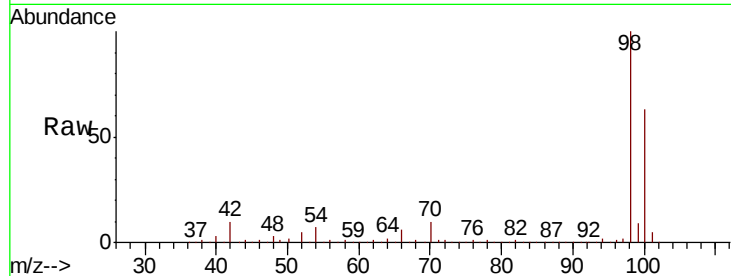
OUTFALL001-190620

Tot Ion: 98 Resp: 548051

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

400000

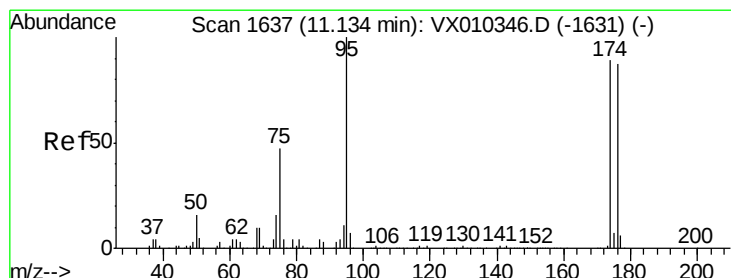
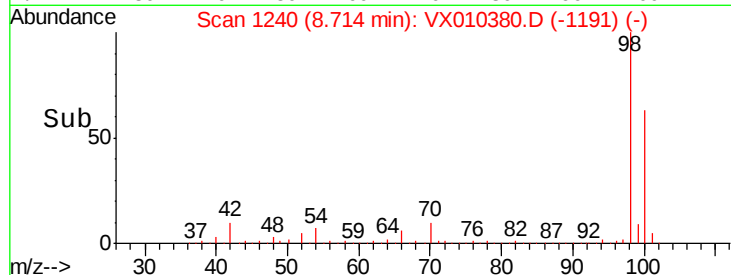
300000

200000

100000

0

Time--> 8.60 8.70 8.80 8.90



#62

4-Bromofluorobenzene

Concen: 46.870 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

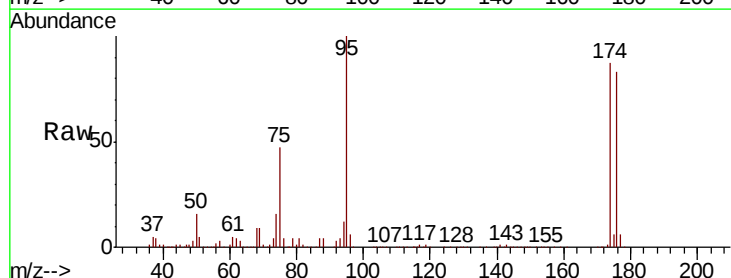
Tgt Ion: 95 Resp: 183831

Ion Ratio Lower Upper

95 100

174 94.7 0.0 187.6

176 91.1 0.0 184.0



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

200000

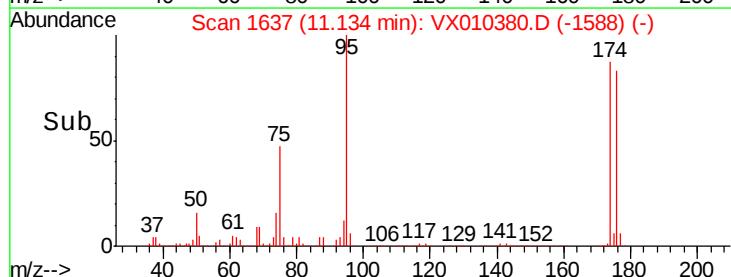
150000

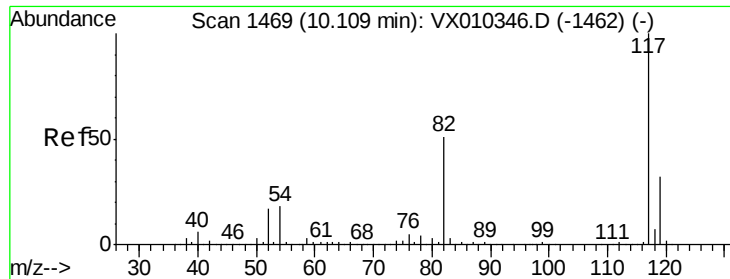
100000

50000

0

Time--> 11.10 11.20

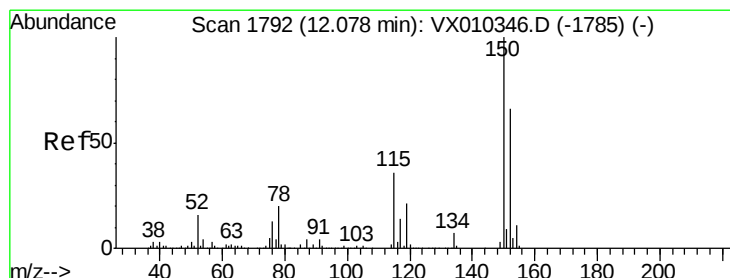
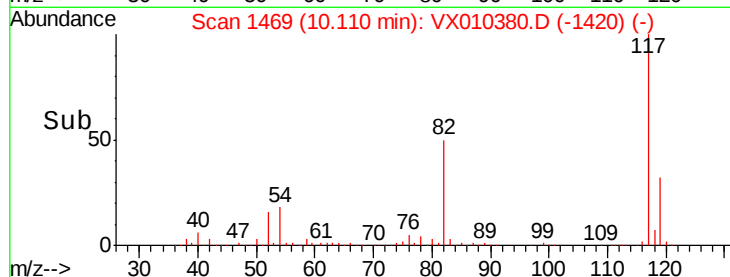
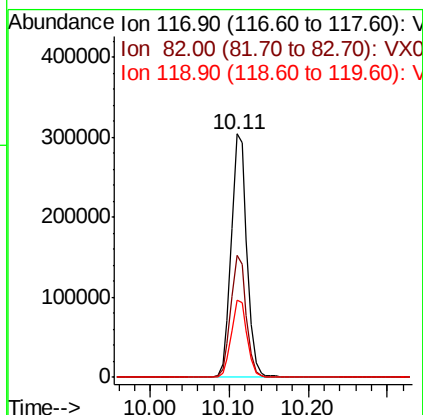
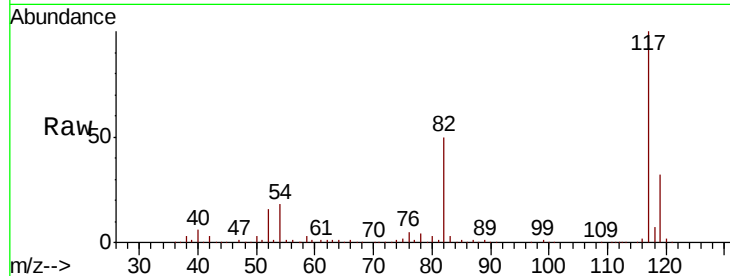




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010380.D
Acq: 21 Jun 2019 13:28

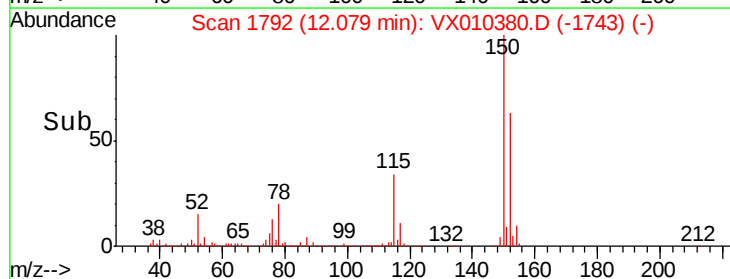
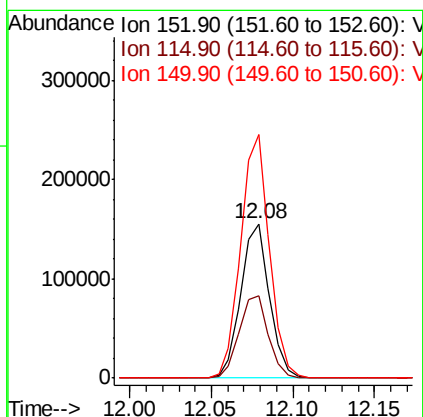
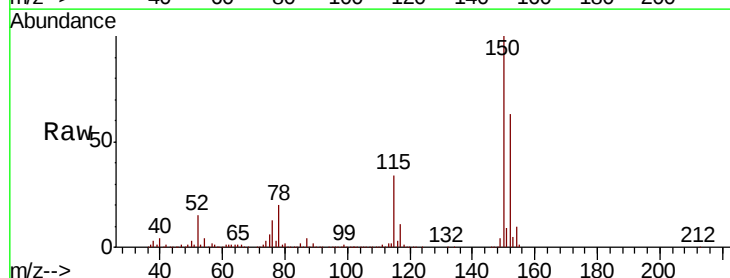
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190620

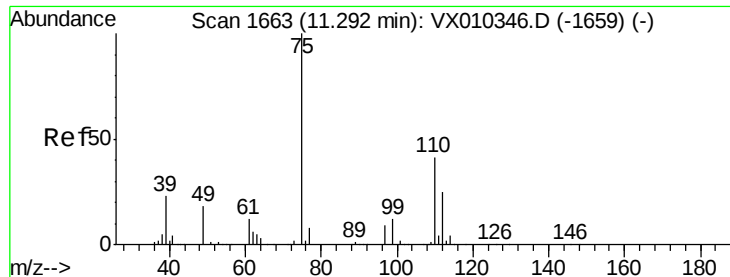
Tot Ion:117 Resp: 417801
Ion Ratio Lower Upper
117 100
82 50.1 41.2 61.8
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010380.D
Acq: 21 Jun 2019 13:28

Tgt Ion:152 Resp: 190773
Ion Ratio Lower Upper
152 100
115 54.6 38.6 115.7
150 158.1 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 25.001 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

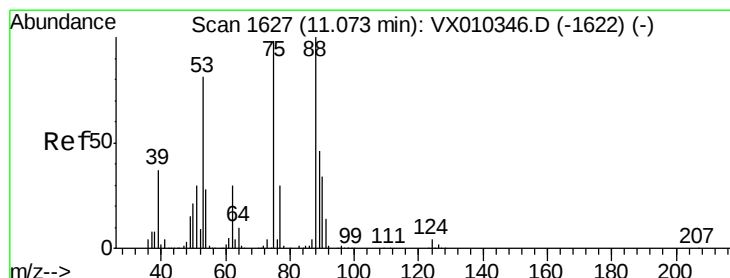
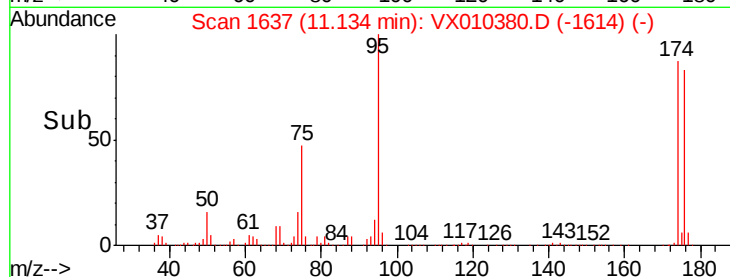
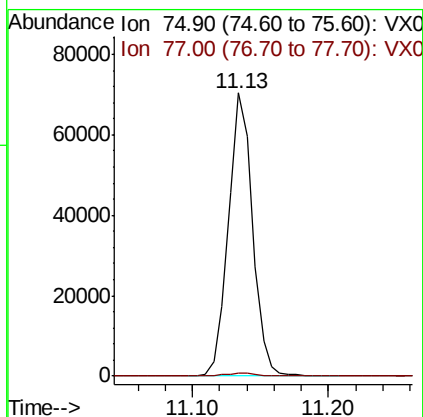
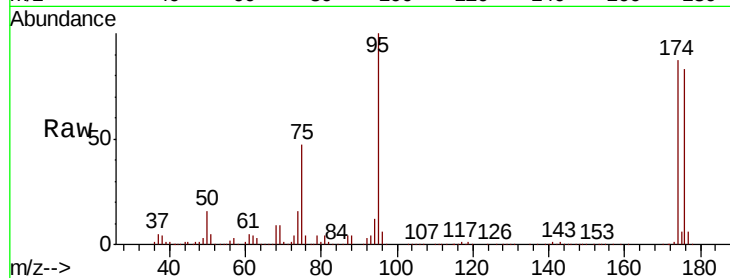
OUTFALL001-190620

Tot Ion: 75 Resp: 86912

Ion Ratio Lower Upper

75 100

77 1.2 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.324 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010380.D

Acq: 21 Jun 2019 13:28

Tgt Ion: 75 Resp: 86912

Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

