

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010647.D
 Acq On : 03 Jul 2019 17:58
 Operator : JC/SP
 Sample : K3667-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190702

Quant Time: Jul 04 03:38:27 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	5.66	168	231973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	358337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	324163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146558	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116157	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
35) Dibromofluoromethane	5.50	113	110054	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
50) Toluene-d8	8.71	98	424532	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	142089	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

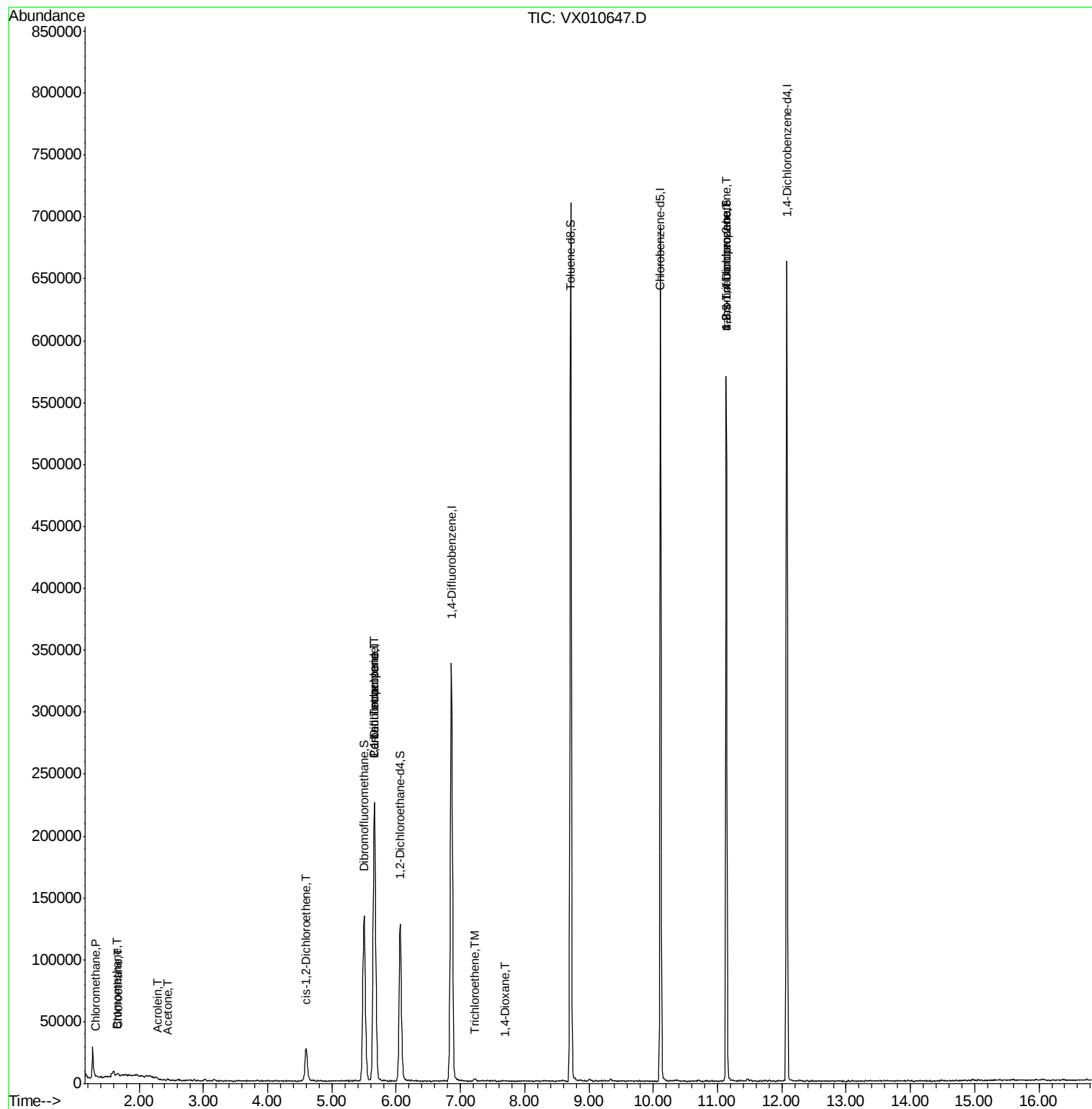
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	437	0.233	ug/l	92
5) Bromomethane	1.65	94	746	0.744	ug/l #	42
6) Chloroethane	1.67	64	450	0.371	ug/l #	59
13) Acrolein	2.29	56	150	0.397	ug/l #	14
16) Acetone	2.44	43	1524	1.398	ug/l #	80
27) cis-1,2-Dichloroethene	4.60	96	18732	7.496	ug/l	92
36) 1,1-Dichloropropene	5.66	75	14940	5.247	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21000	6.810	ug/l #	14
44) Trichloroethene	7.22	130	719	0.271	ug/l	83
49) 1,4-Dioxane	7.70	88	19	0.293	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67932	25.436	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	67932	59.340	ug/l #	16

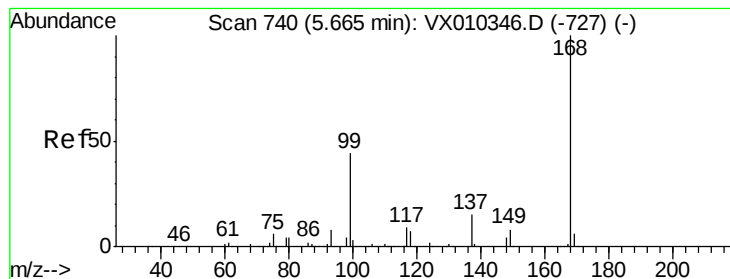
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

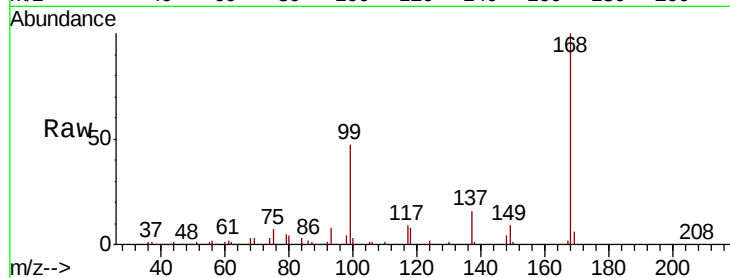
OUTFALL001-190702

Tot Ion:168 Resp: 231973

Ion Ratio Lower Upper

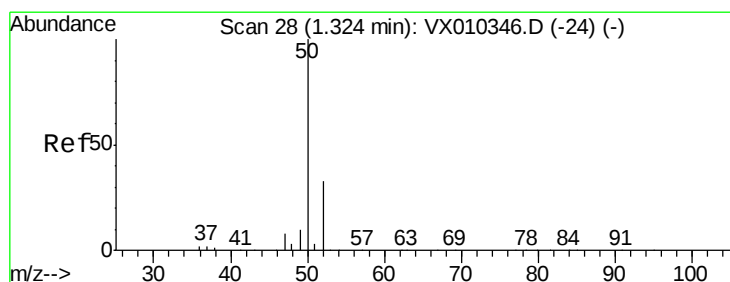
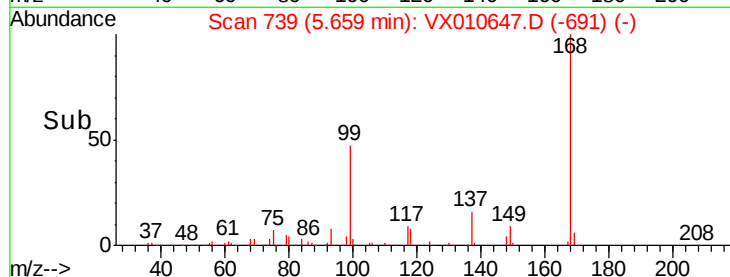
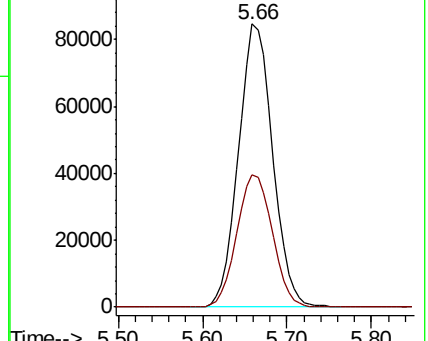
168 100

99 46.9 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010647.D

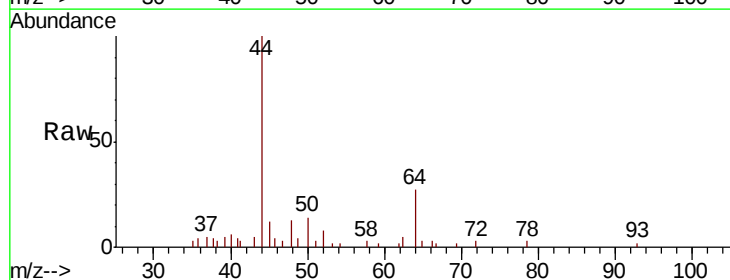
Acq: 03 Jul 2019 17:58

Tgt Ion: 50 Resp: 437

Ion Ratio Lower Upper

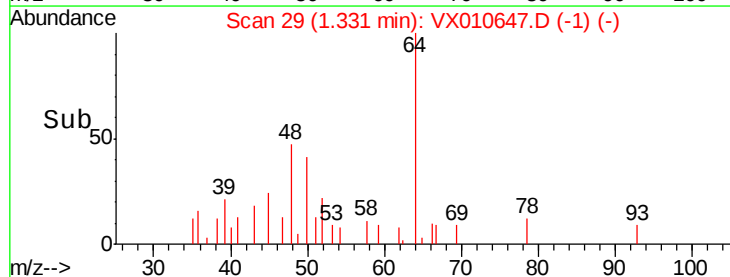
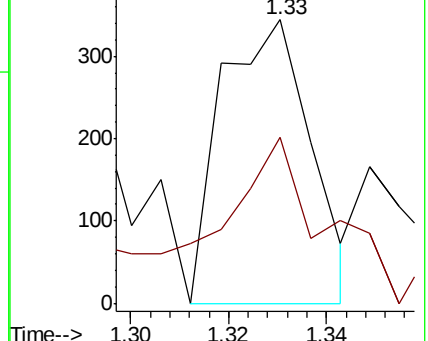
50 100

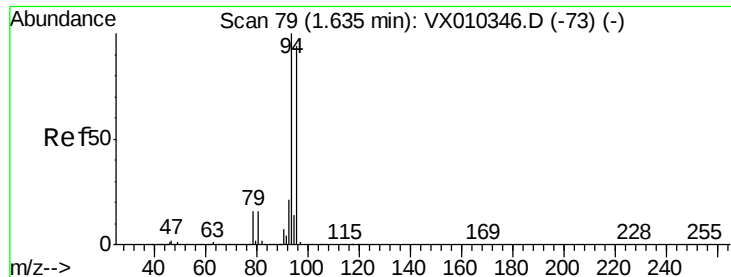
52 37.8 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.744 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

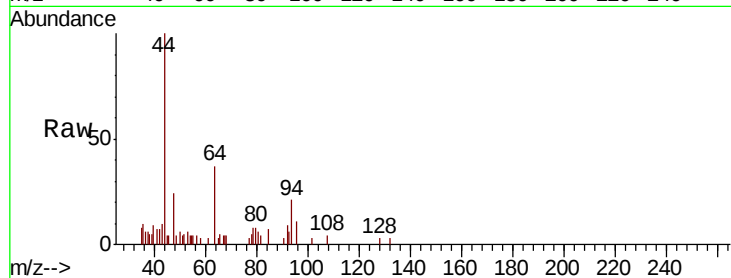
OUTFALL001-190702

Tot Ion: 94 Resp: 746

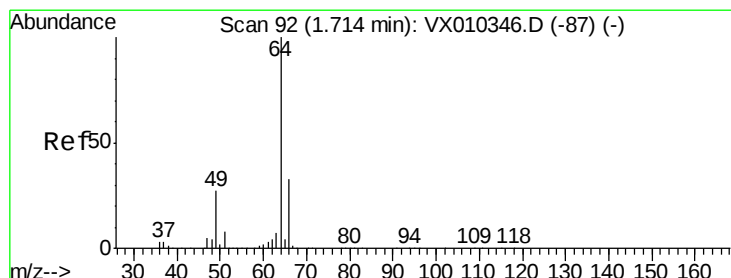
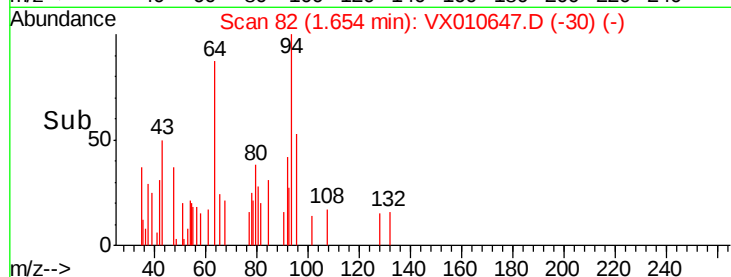
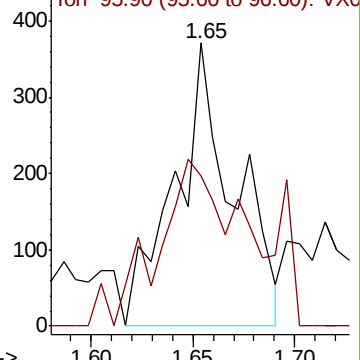
Ion Ratio Lower Upper

94 100

96 38.3 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0



#6

Chloroethane

Concen: 0.371 ug/l

RT: 1.67 min Scan# 84

Delta R.T. -0.05 min

Lab File: VX010647.D

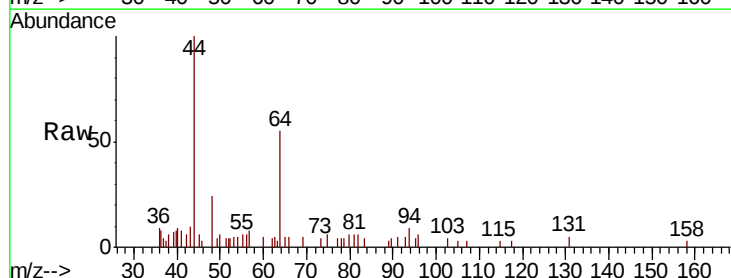
Acq: 03 Jul 2019 17:58

Tgt Ion: 64 Resp: 450

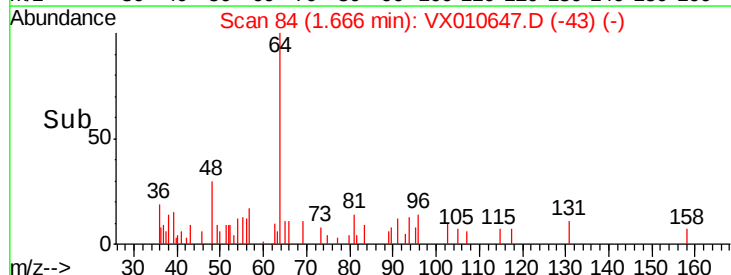
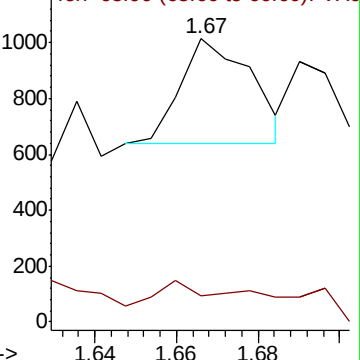
Ion Ratio Lower Upper

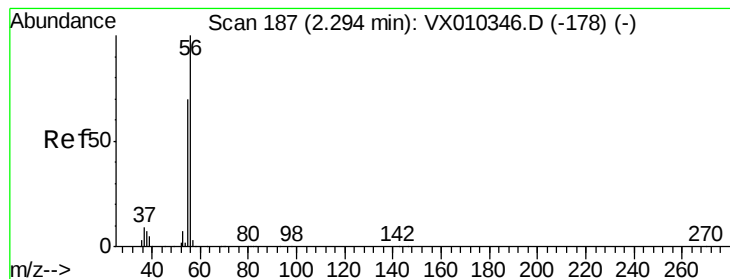
64 100

66 9.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0





#13

Acrolein

Concen: 0.397 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

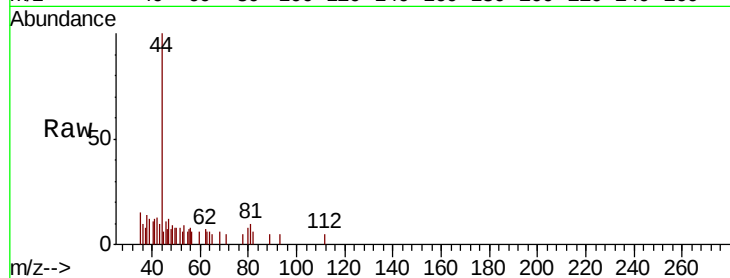
OUTFALL001-190702

Tot Ion: 56 Resp: 150

Ion Ratio Lower Upper

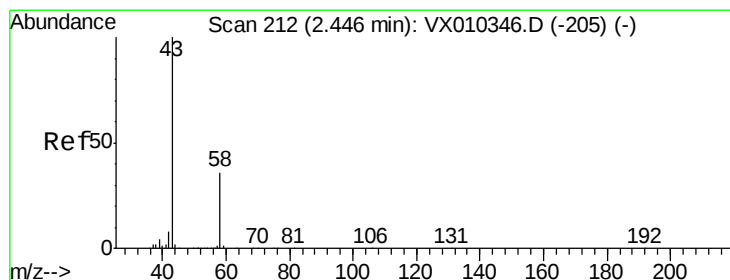
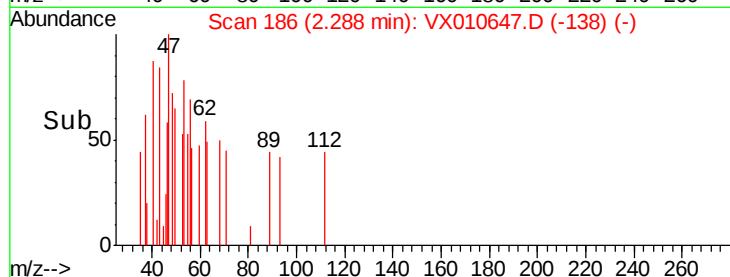
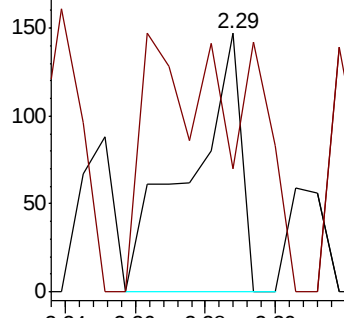
56 100

55 0.0 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: 1.398 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010647.D

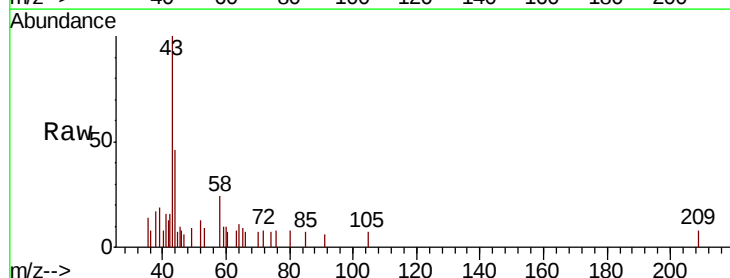
Acq: 03 Jul 2019 17:58

Tgt Ion: 43 Resp: 1524

Ion Ratio Lower Upper

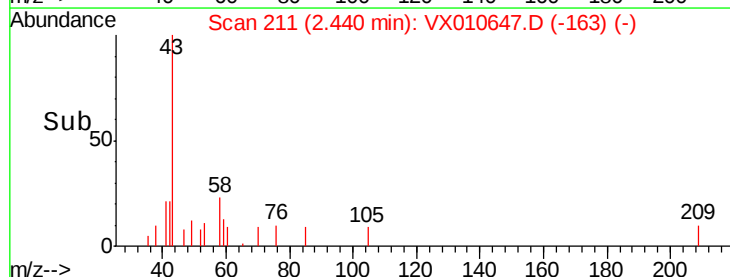
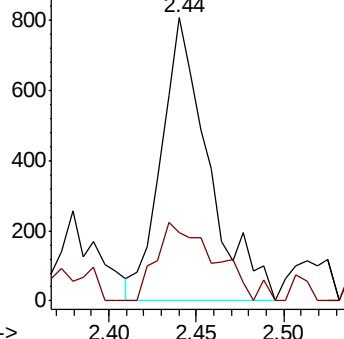
43 100

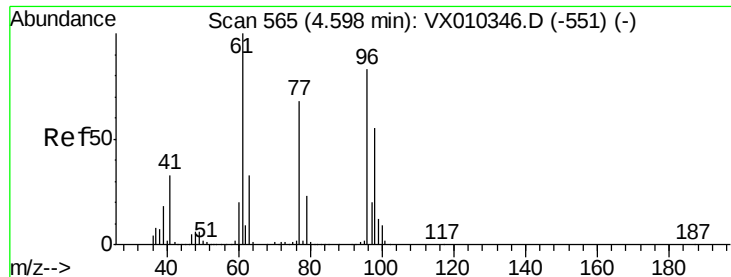
58 24.3 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 7.496 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190702

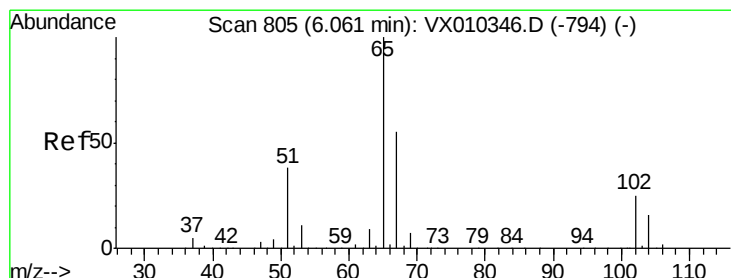
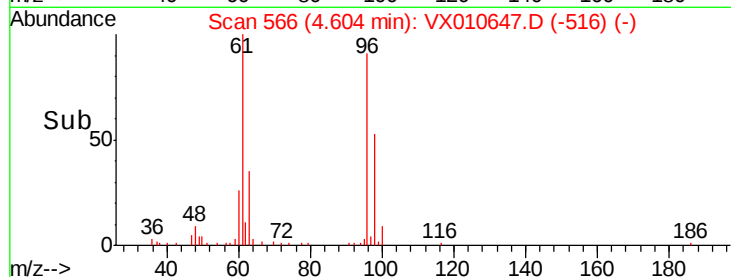
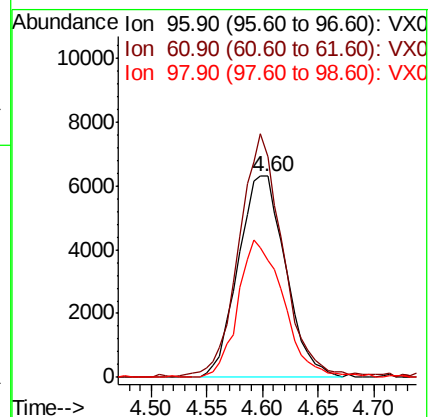
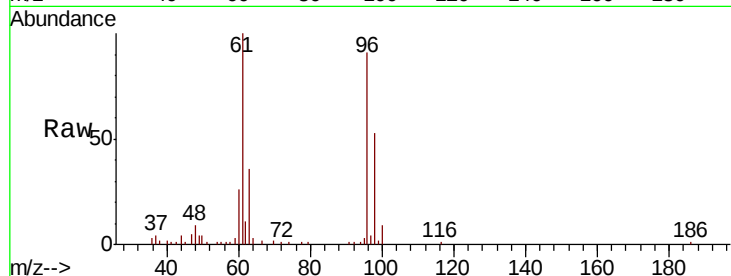
Tot Ion: 96 Resp: 18732

Ion Ratio Lower Upper

96 100

61 112.0 0.0 251.8

98 65.0 0.0 129.4



#33

1,2-Dichloroethane-d4

Concen: 53.406 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010647.D

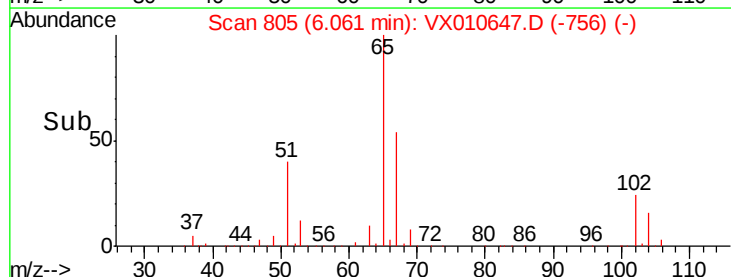
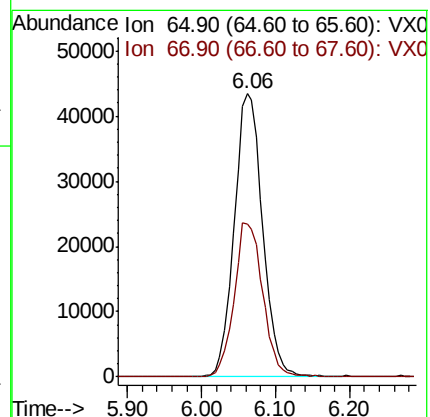
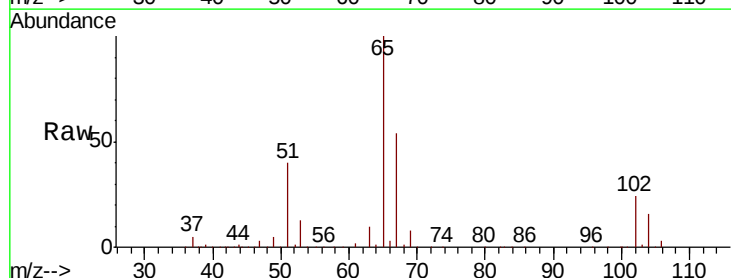
Acq: 03 Jul 2019 17:58

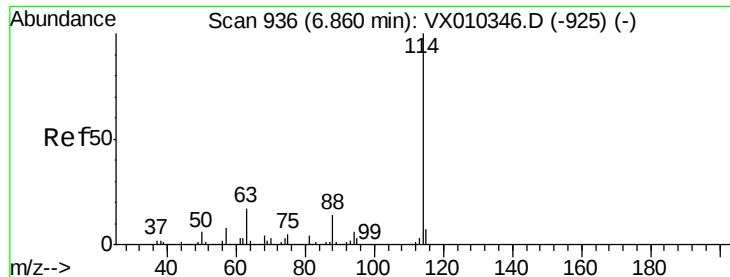
Tgt Ion: 65 Resp: 116157

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190702

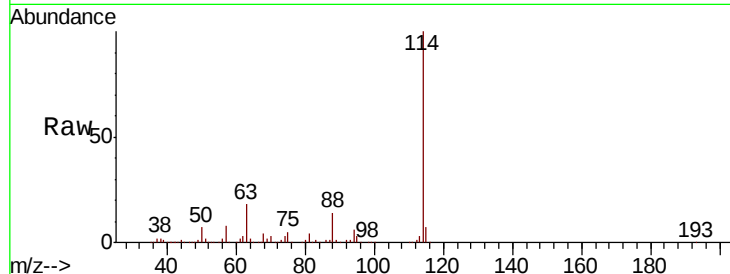
Tot Ion:114 Resp: 358337

Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.8

88 14.3 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

6.86

200000

150000

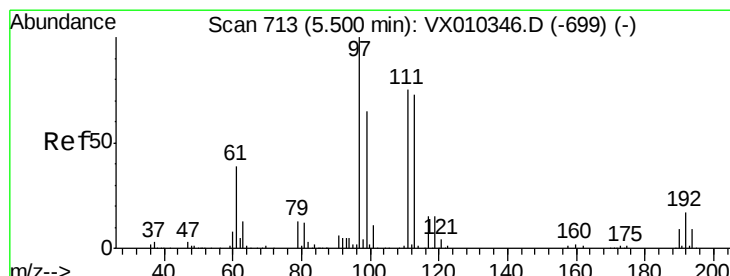
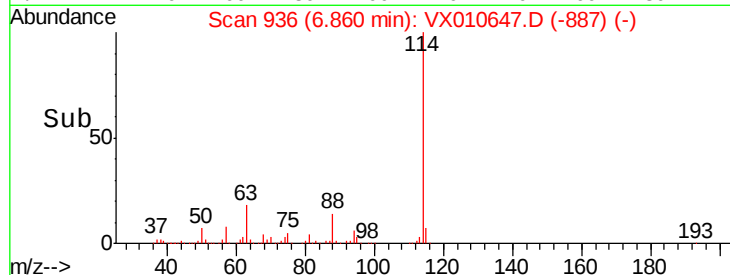
100000

50000

0

6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 50.197 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

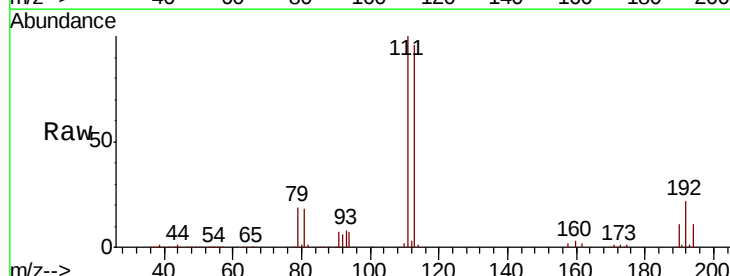
Tgt Ion:113 Resp: 110054

Ion Ratio Lower Upper

113 100

111 102.8 81.2 121.8

192 22.8 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

5.50

50000

40000

30000

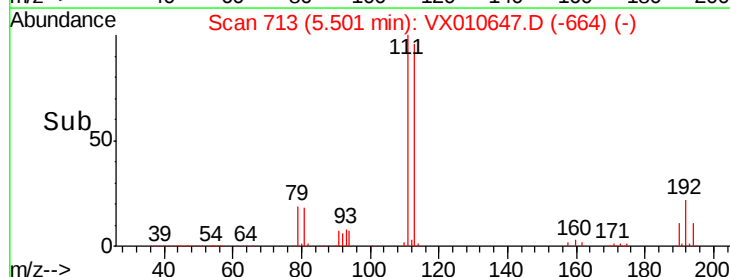
20000

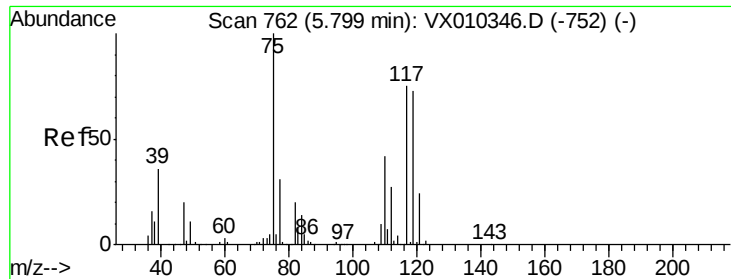
10000

0

5.40 5.50 5.60

Time-->





#36

1,1-Dichloropropene

Concen: 5.247 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

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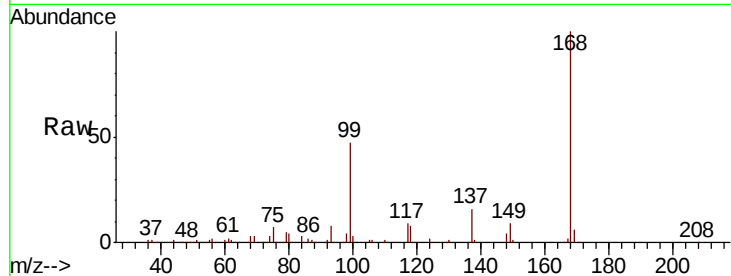
Tot Ion: 75 Resp: 14940

Ion Ratio Lower Upper

75 100

110 11.0 20.8 62.2#

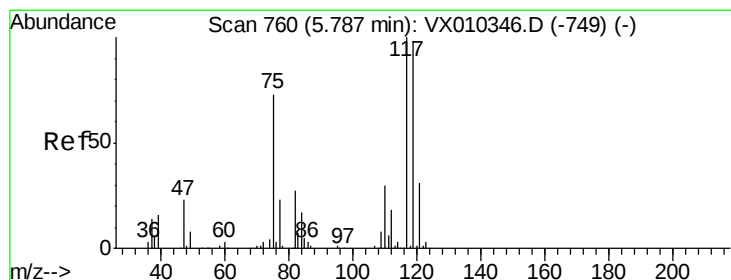
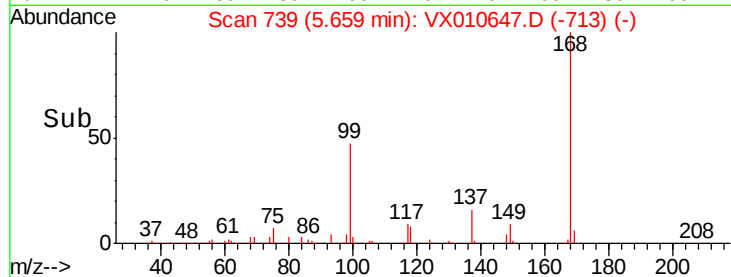
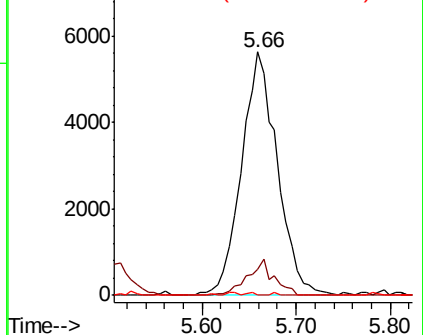
77 0.3 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX010346.D (-752) (-)

Ion 109.90 (109.60 to 110.60): VX010346.D (-752) (-)

Ion 76.90 (76.60 to 77.60): VX010346.D (-752) (-)



#38

Carbon Tetrachloride

Concen: 6.810 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

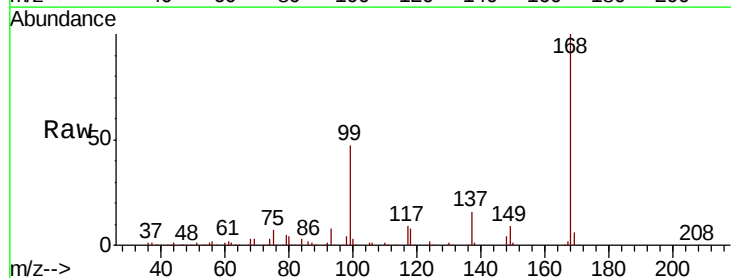
Tgt Ion: 117 Resp: 21000

Ion Ratio Lower Upper

117 100

119 3.6 78.2 117.4#

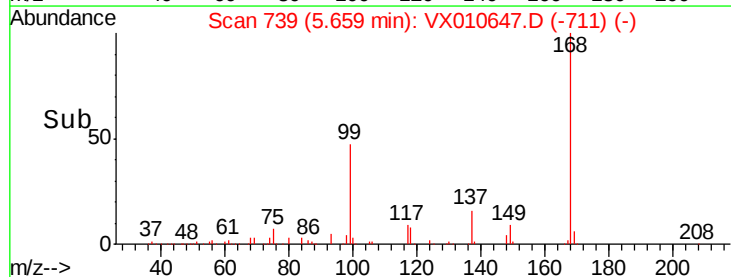
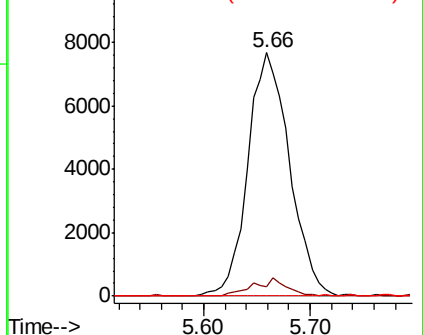
121 0.0 24.7 37.1#

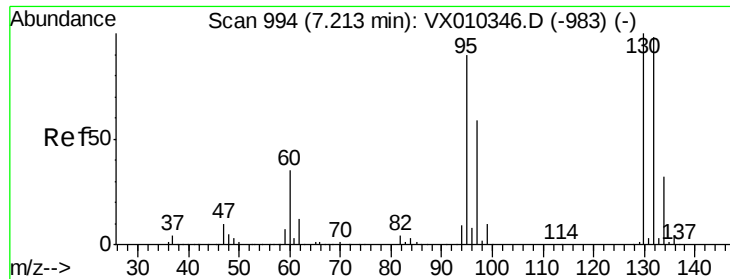


Abundance Ion 116.80 (116.50 to 117.50): VX010346.D (-749) (-)

Ion 118.80 (118.50 to 119.50): VX010346.D (-749) (-)

Ion 120.80 (120.50 to 121.50): VX010346.D (-749) (-)





#44

Trichloroethene

Concen: 0.271 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

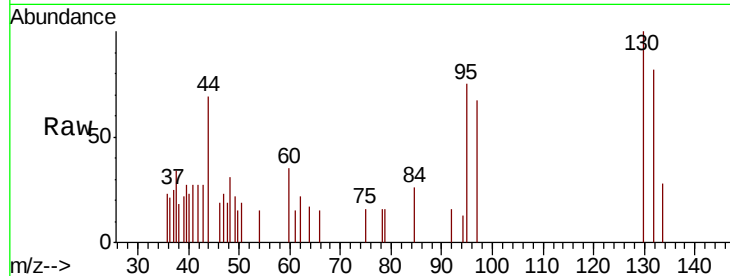
OUTFALL001-190702

Tot Ion:130 Resp: 719

Ion Ratio Lower Upper

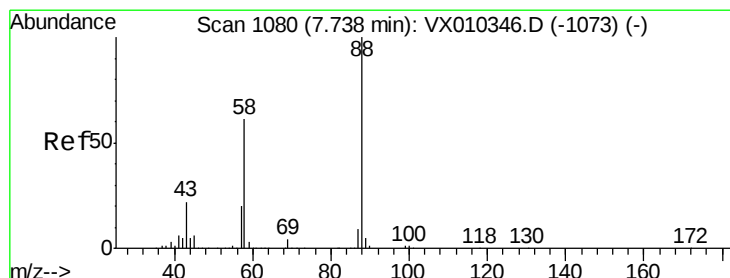
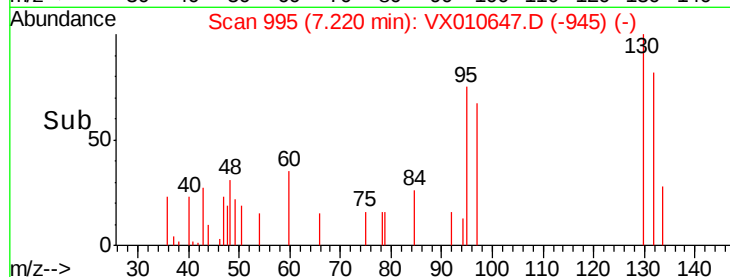
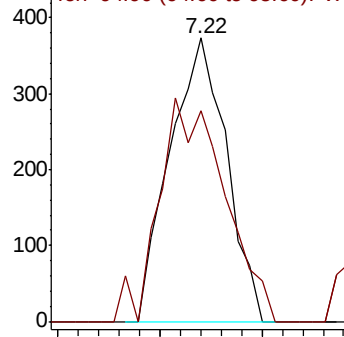
130 100

95 74.5 0.0 180.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.293 ug/l

RT: 7.70 min Scan# 1073

Delta R.T. -0.04 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

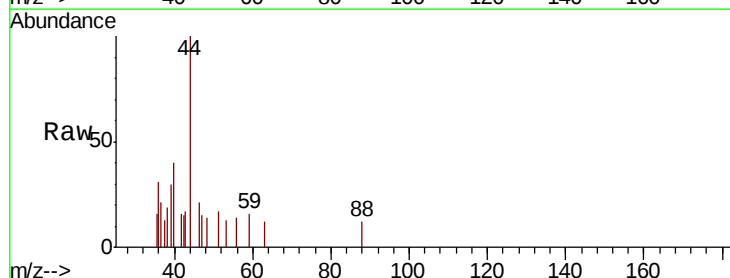
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 842.1 20.2 30.2#

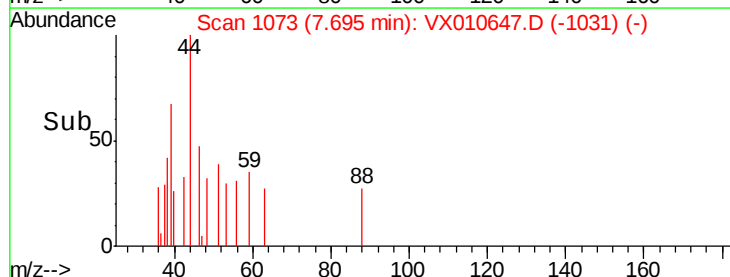
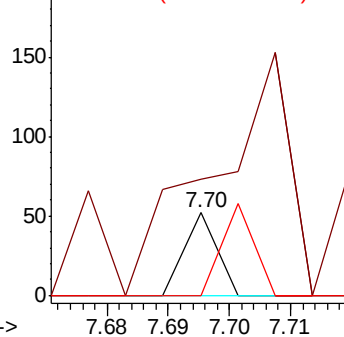
58 110.5 49.5 74.3#

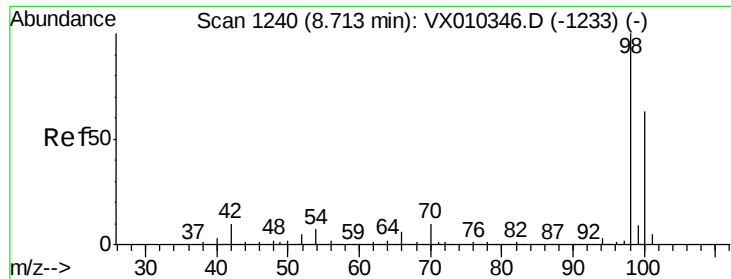


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.613 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

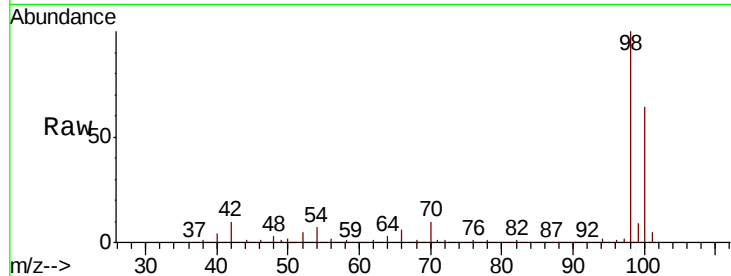
OUTFALL001-190702

Tot Ion: 98 Resp: 424532

Ion Ratio Lower Upper

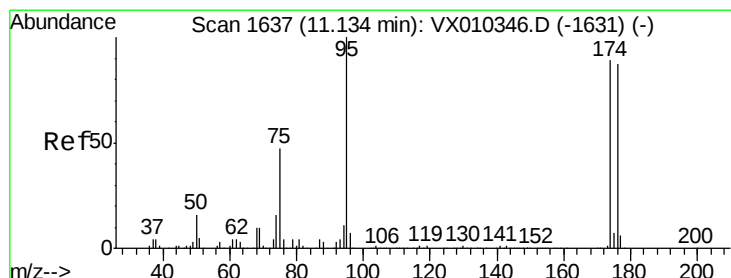
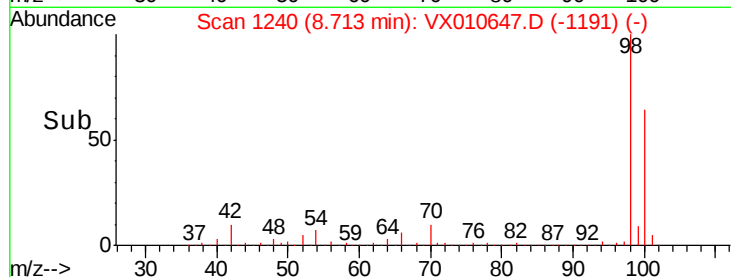
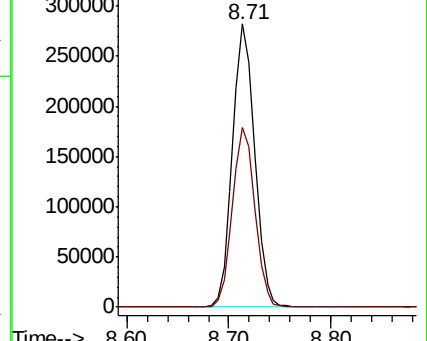
98 100

100 63.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.921 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

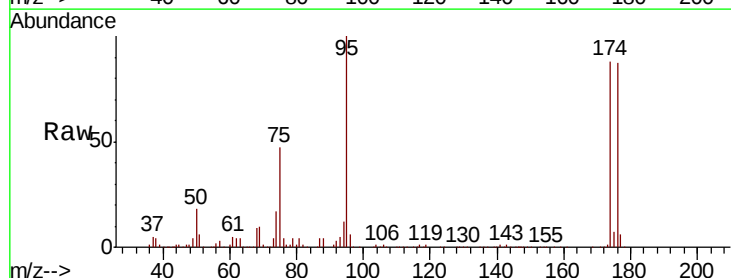
Tgt Ion: 95 Resp: 142089

Ion Ratio Lower Upper

95 100

174 92.8 0.0 187.6

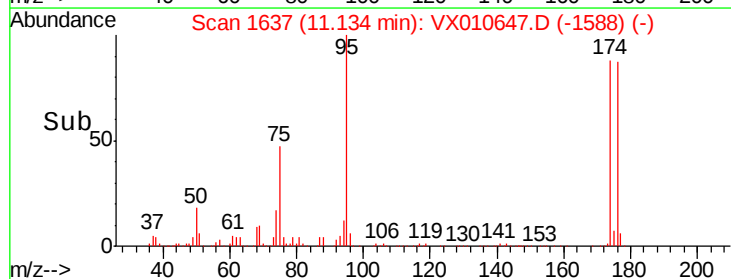
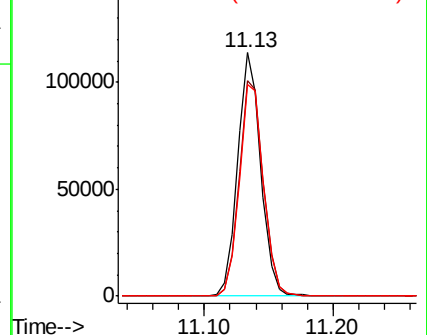
176 90.8 0.0 184.0

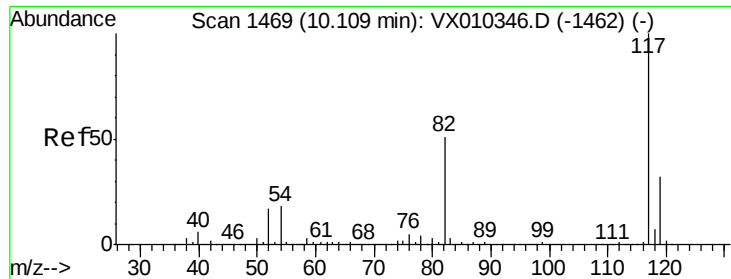


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

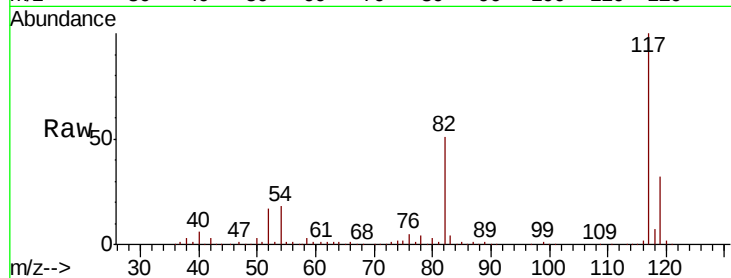




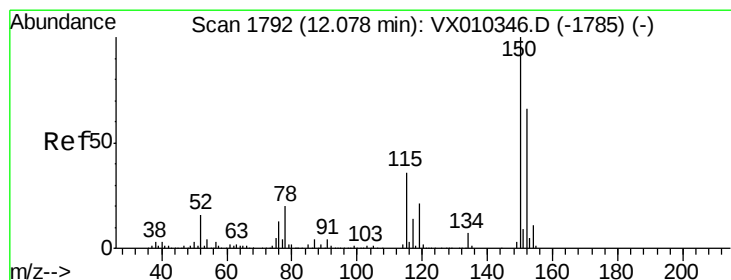
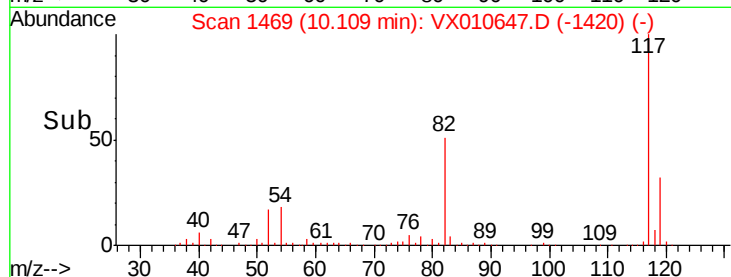
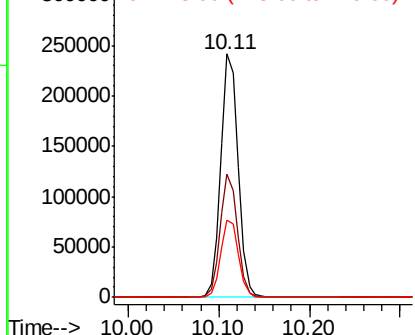
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010647.D
Acq: 03 Jul 2019 17:58

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190702

Tot Ion:117 Resp: 324163
Ion Ratio Lower Upper
117 100
82 50.6 41.2 61.8
119 31.7 25.5 38.3

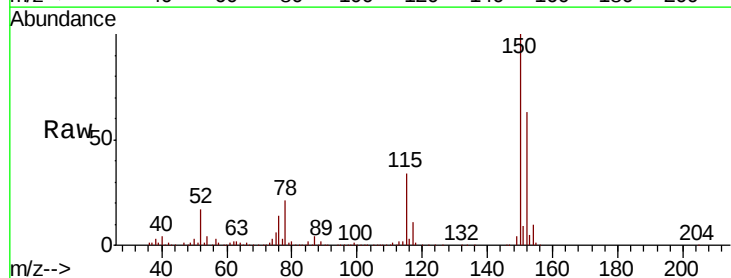


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

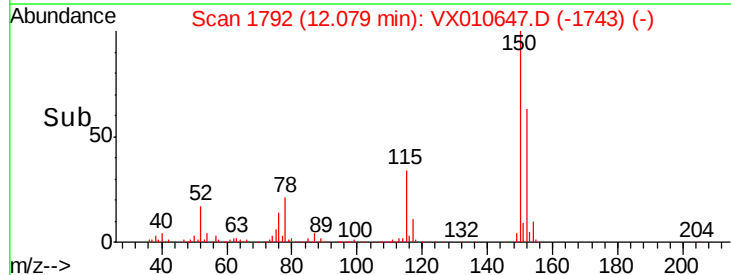
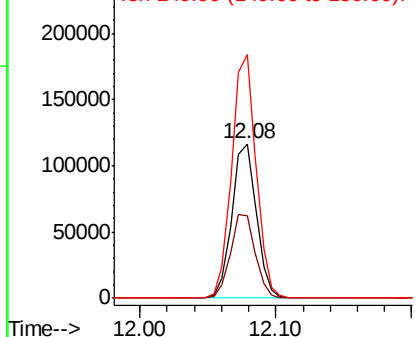


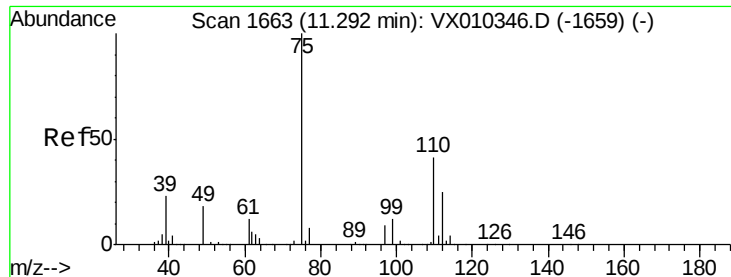
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010647.D
Acq: 03 Jul 2019 17:58

Tgt Ion:152 Resp: 146558
Ion Ratio Lower Upper
152 100
115 54.9 38.6 115.7
150 156.2 0.0 347.4



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: 25.436 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Instrument :

MSVOA_X

ClientSampleId :

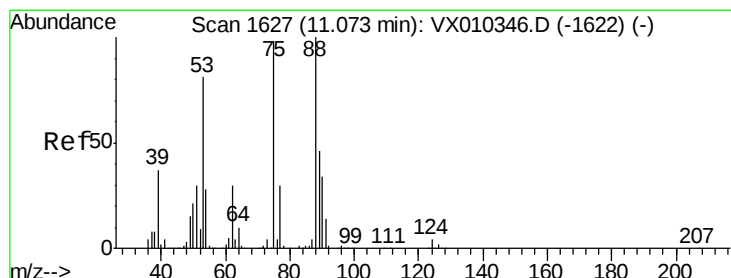
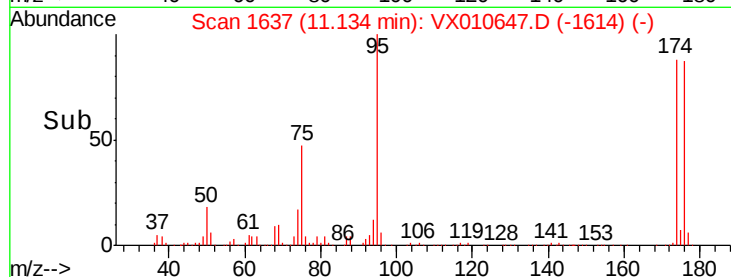
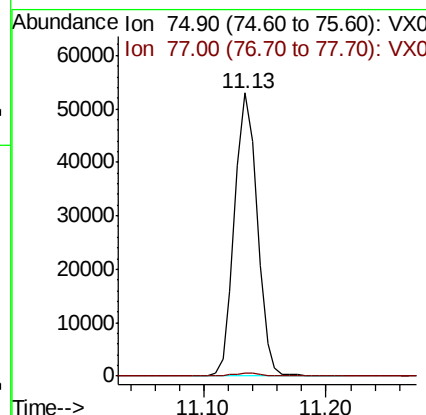
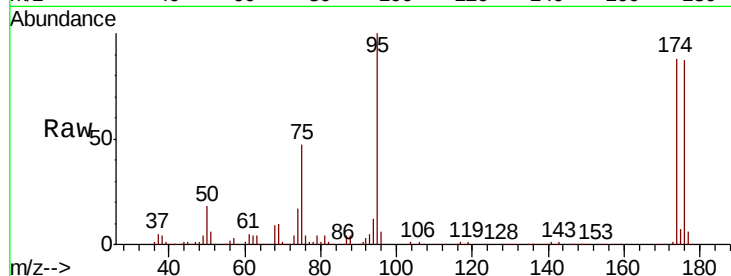
OUTFALL001-190702

Tot Ion: 75 Resp: 67932

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.340 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010647.D

Acq: 03 Jul 2019 17:58

Tgt Ion: 75 Resp: 67932

Ion Ratio Lower Upper

75 100

53 0.0 66.1 99.1#

89 0.0 37.8 56.6#

