

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
 Data File : VX012781.D
 Acq On : 03 Oct 2019 14:16
 Operator : JC/SP
 Sample : K5159-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-191001

Quant Time: Oct 04 06:49:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	179656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	307461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99531	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	122802	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	
35) Dibromofluoromethane	5.49	113	92876	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	8.71	98	361324	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.13	95	122068	44.03	ug/l	0.00
Spiked Amount			Recovery	=	88.06%	

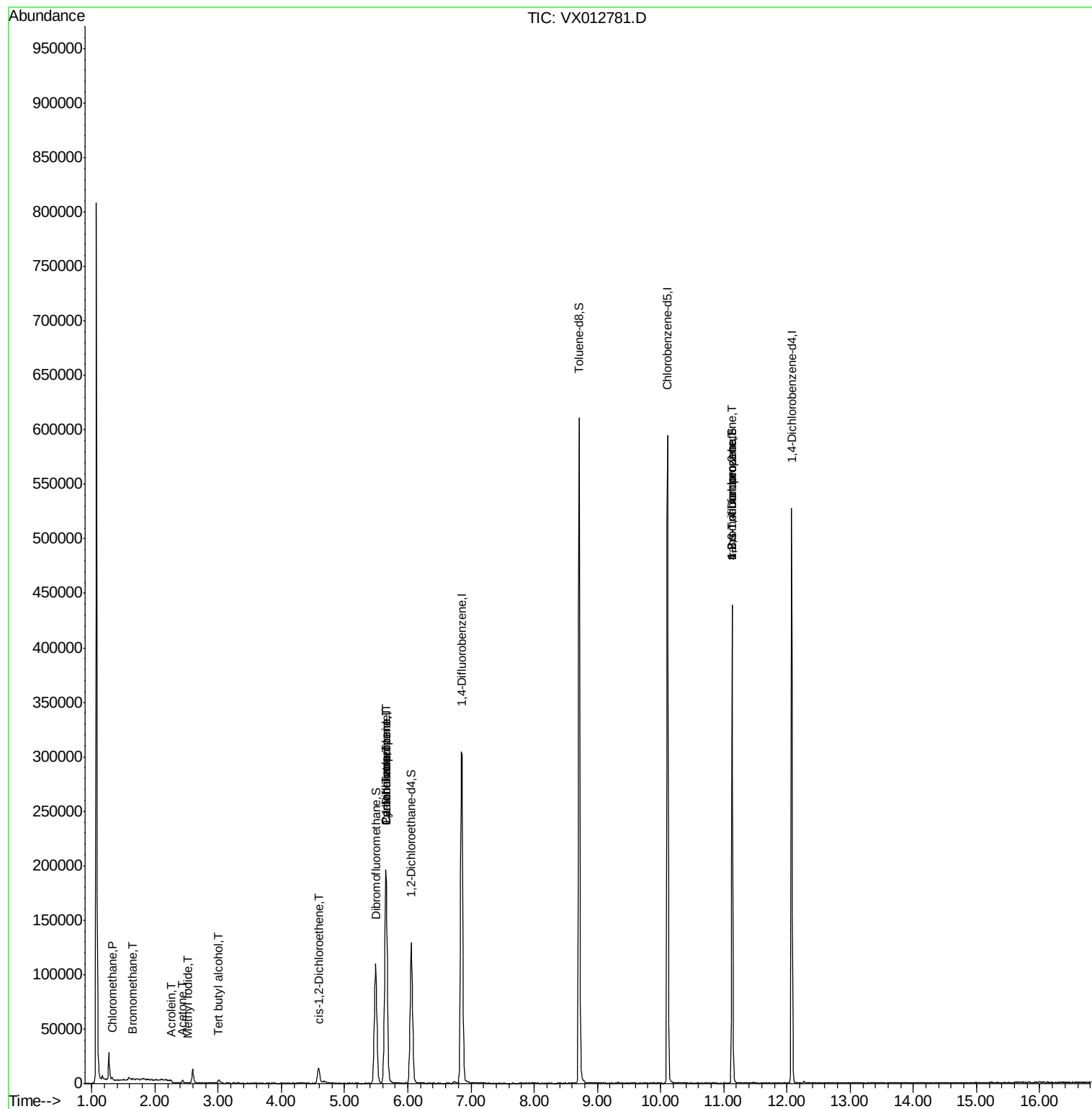
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1469	0.633	ug/l	91
5) Bromomethane	1.65	94	460	0.507	ug/l #	79
10) Methyl Iodide	2.51	142	341	5.101	ug/l #	58
11) Tert butyl alcohol	3.00	59	1896	2.901	ug/l #	72
13) Acrolein	2.26	56	45	10.351	ug/l #	15
16) Acetone	2.44	43	2685	1.938	ug/l #	89
27) cis-1,2-Dichloroethene	4.59	96	8578	3.455	ug/l	83
31) Cyclohexane	5.65	56	4331	1.189	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	15118	5.101	ug/l #	51
38) Carbon Tetrachloride	5.65	117	19486	6.473	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	63269	24.031	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	63269	68.867	ug/l #	8

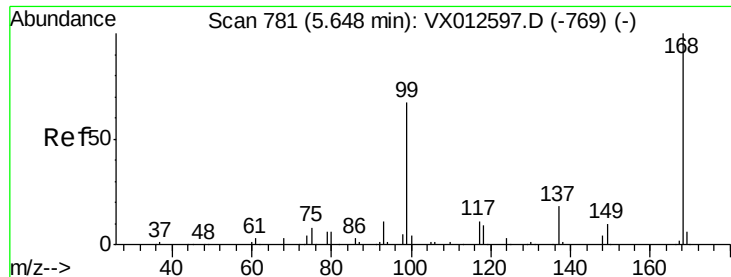
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX100319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

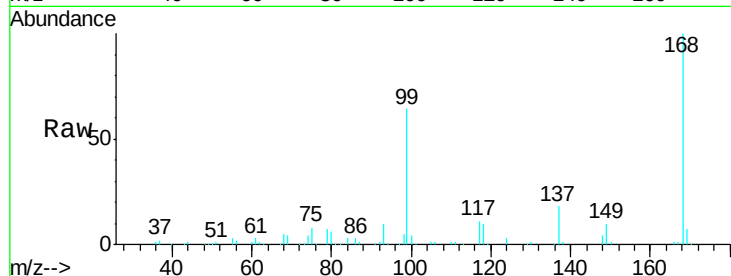
OUTFALL001-191001

Tgt Ion:168 Resp: 179656

Ion Ratio Lower Upper

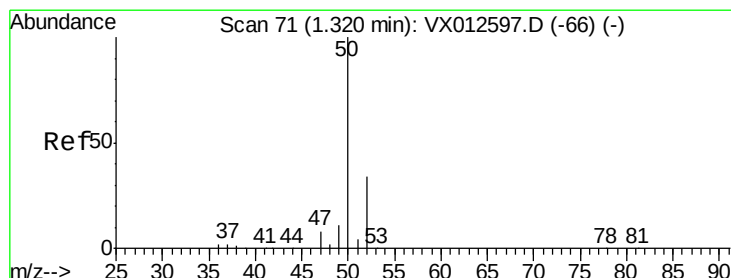
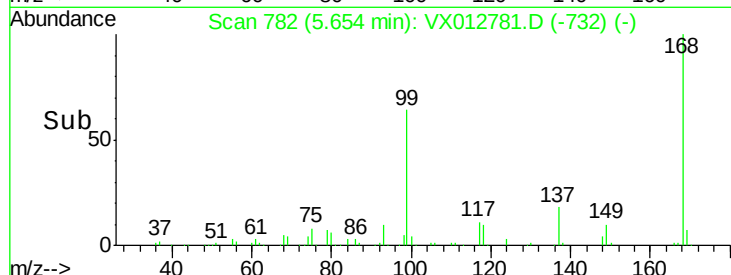
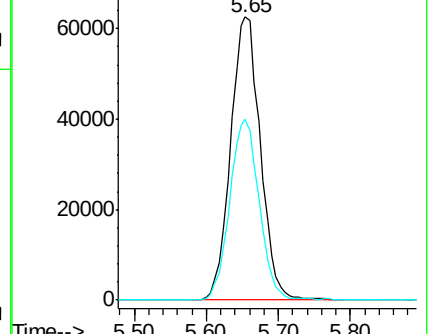
168 100

99 64.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.633 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012781.D

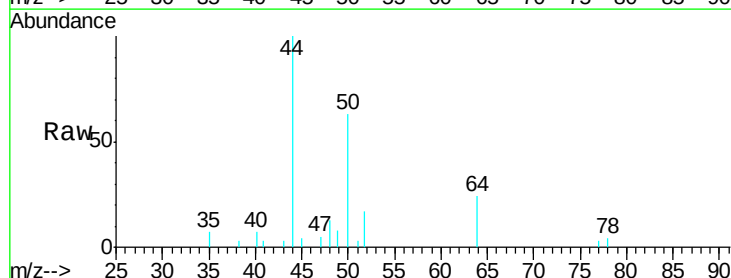
Acq: 03 Oct 2019 14:16

Tgt Ion: 50 Resp: 1469

Ion Ratio Lower Upper

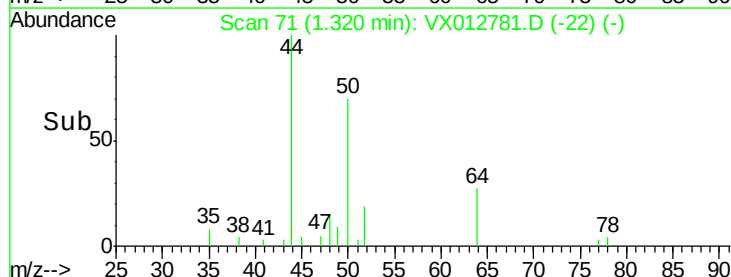
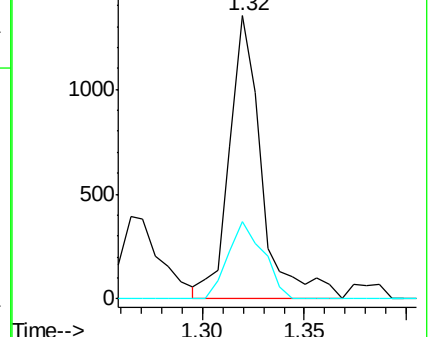
50 100

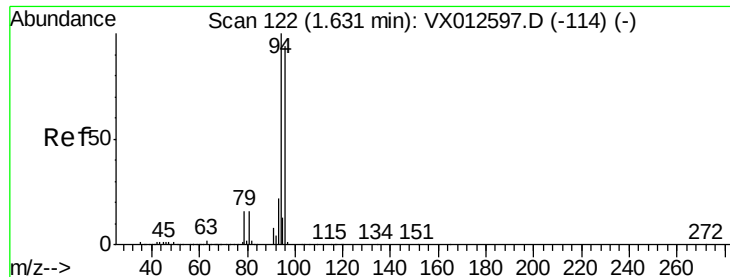
52 27.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.507 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

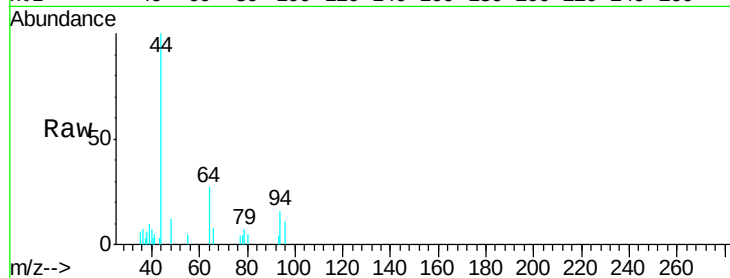
OUTFALL001-191001

Tgt Ion: 94 Resp: 460

Ion Ratio Lower Upper

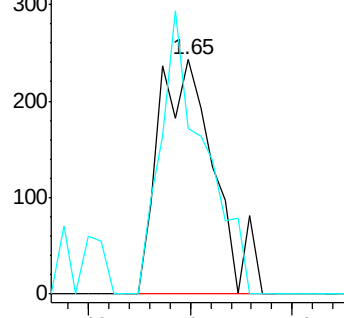
94 100

96 70.8 72.8 109.2#

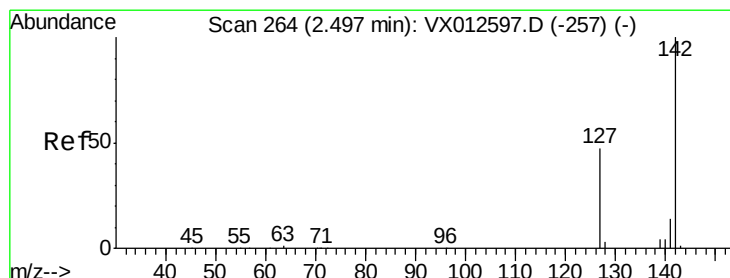
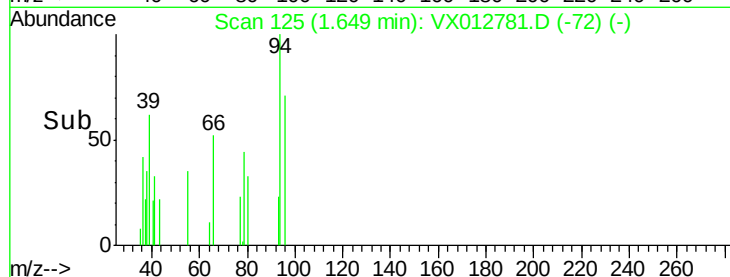


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 5.101 ug/l

RT: 2.51 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

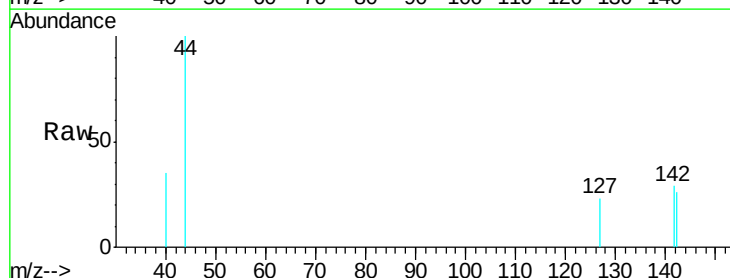
Tgt Ion: 142 Resp: 341

Ion Ratio Lower Upper

142 100

127 20.5 40.8 61.2#

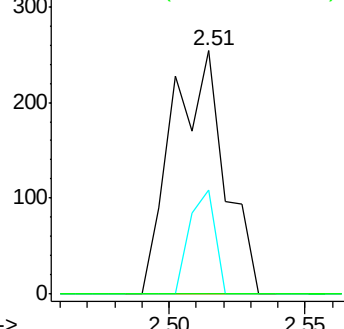
141 0.0 12.1 18.1#



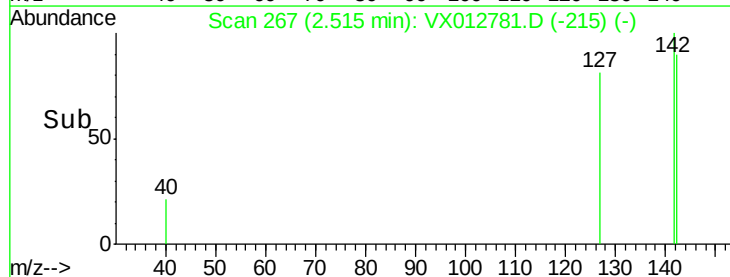
Abundance Ion 141.80 (141.50 to 142.50): V

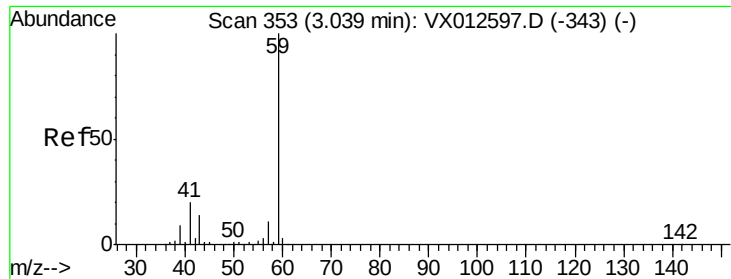
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

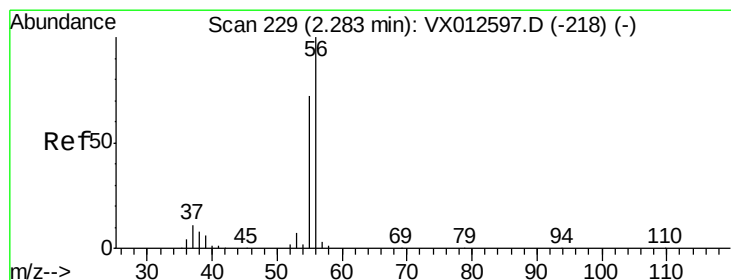
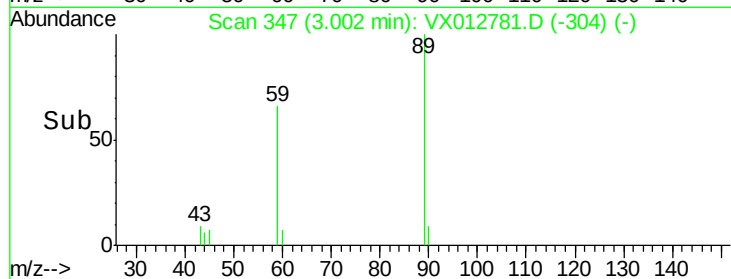
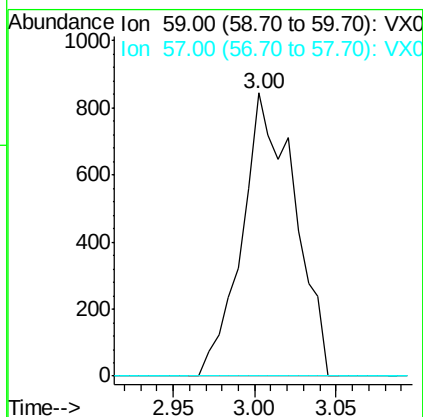
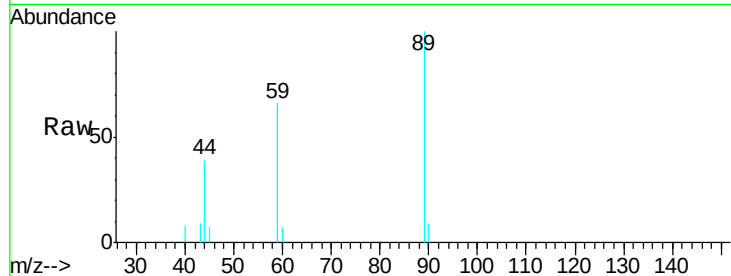




#11
Tert butyl alcohol
Concen: 2.901 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012781.D
Acq: 03 Oct 2019 14:16

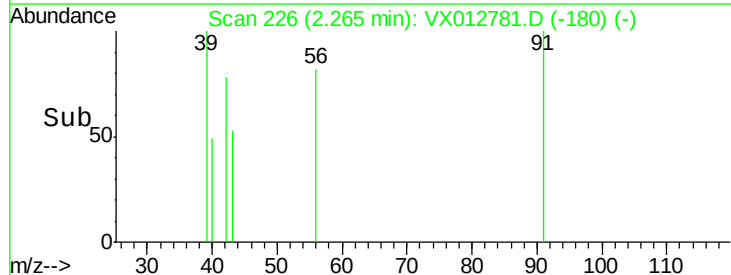
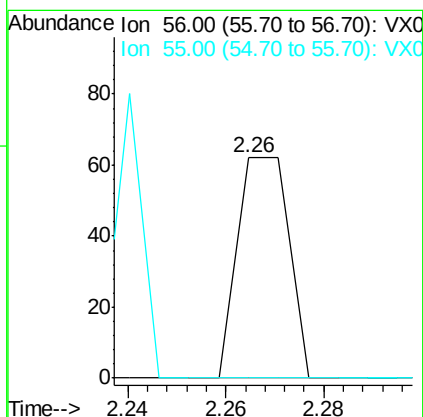
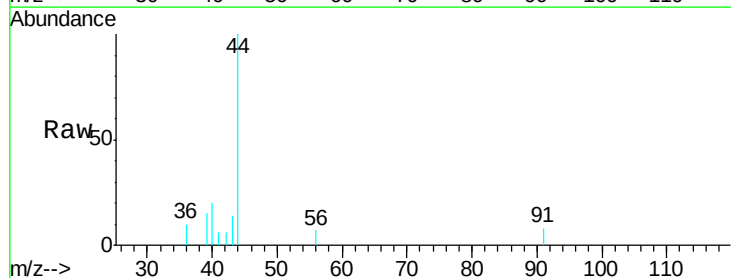
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-191001

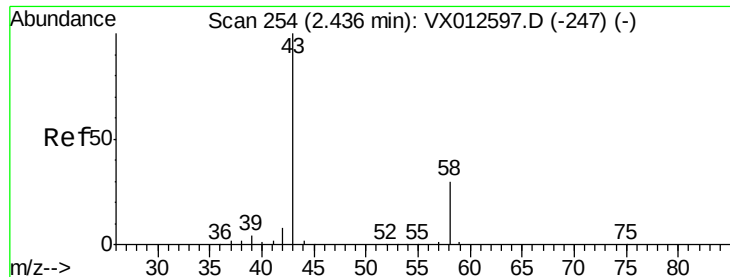
Tgt Ion: 59 Resp: 1896
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.351 ug/l
RT: 2.26 min Scan# 226
Delta R.T. -0.02 min
Lab File: VX012781.D
Acq: 03 Oct 2019 14:16

Tgt Ion: 56 Resp: 45
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#





#16

Acetone

Concen: 1.938 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

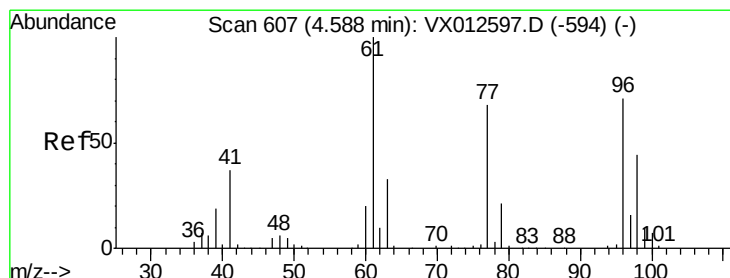
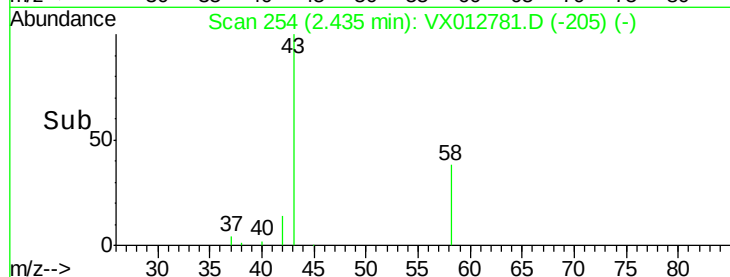
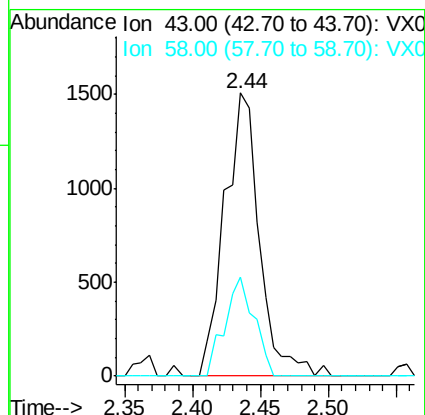
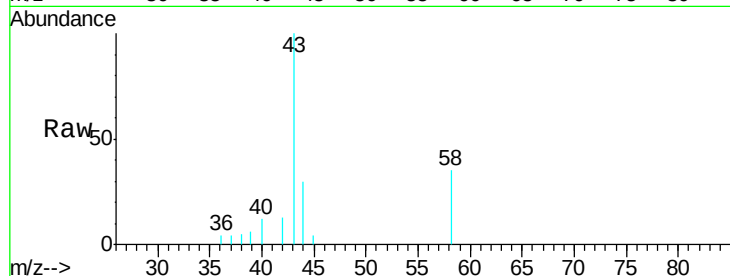
OUTFALL001-191001

Tgt Ion: 43 Resp: 2685

Ion Ratio Lower Upper

43 100

58 35.0 23.3 34.9#



#27

cis-1,2-Dichloroethene

Concen: 3.455 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

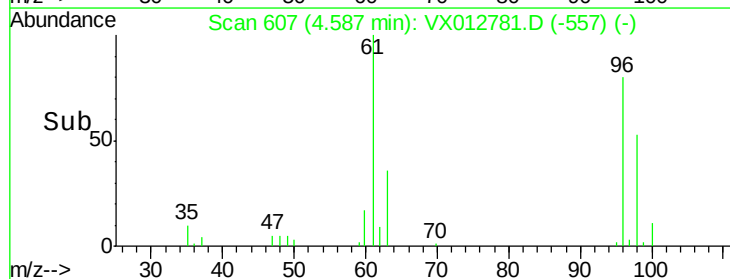
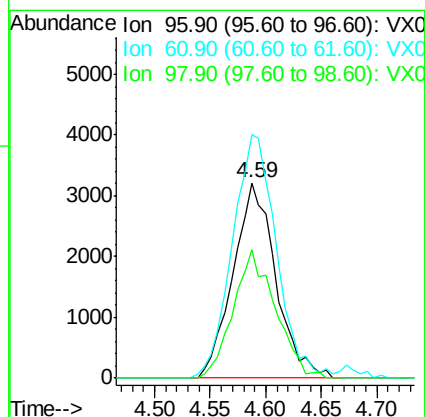
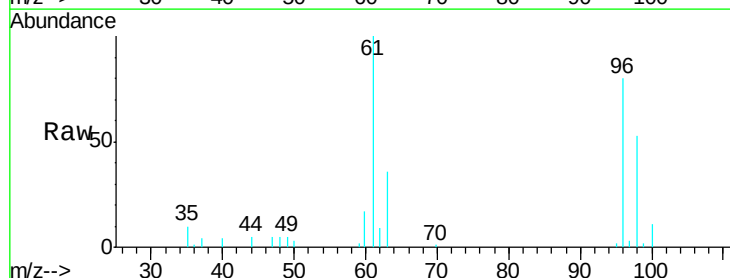
Tgt Ion: 96 Resp: 8578

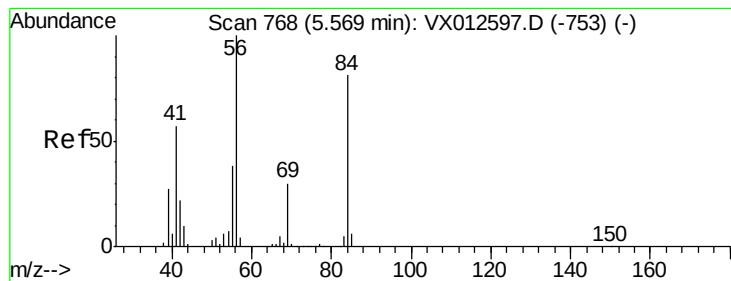
Ion Ratio Lower Upper

96 100

61 128.2 0.0 319.4

98 64.6 0.0 130.6





#31

Cyclohexane

Concen: 1.189 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-191001

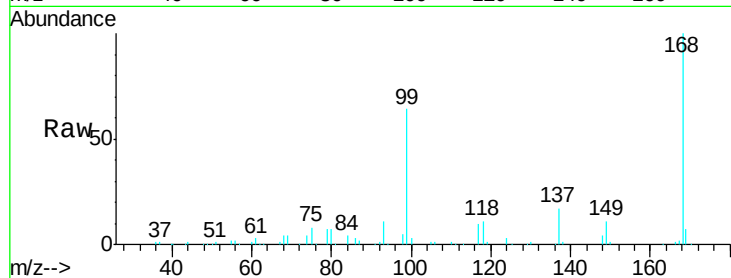
Tgt Ion: 56 Resp: 4331

Ion Ratio Lower Upper

56 100

69 166.2 25.0 37.6#

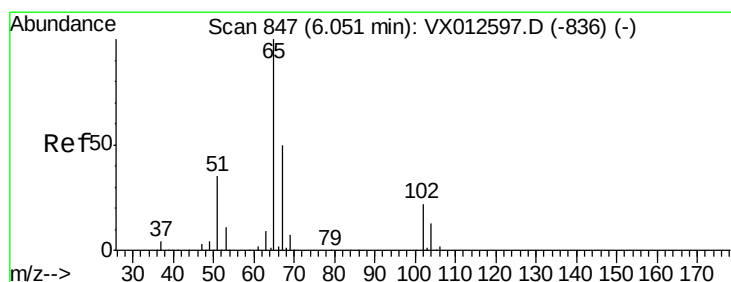
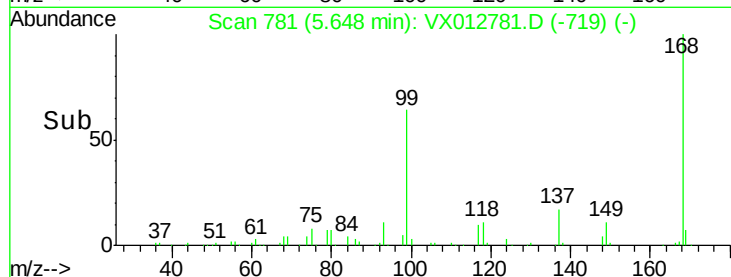
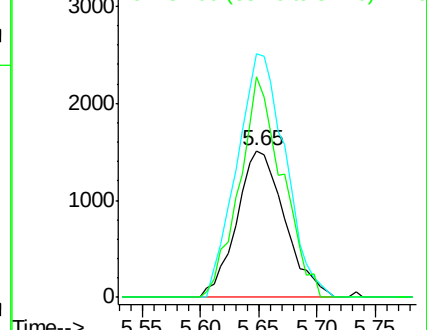
84 150.7 66.4 99.6#



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: 46.940 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012781.D

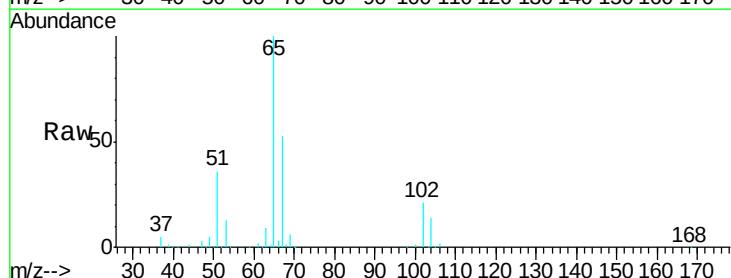
Acq: 03 Oct 2019 14:16

Tgt Ion: 65 Resp: 122802

Ion Ratio Lower Upper

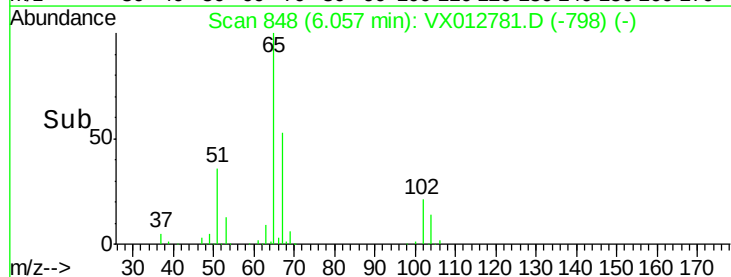
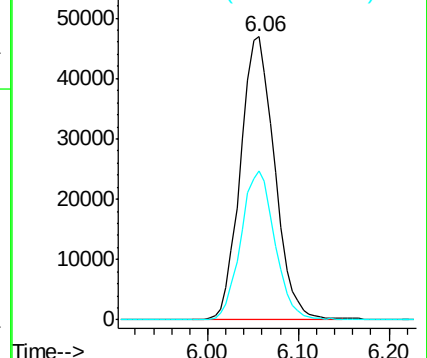
65 100

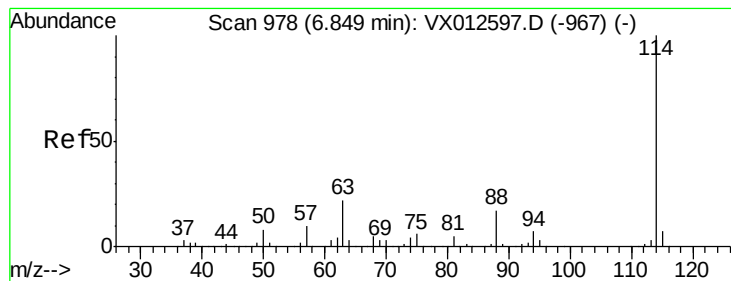
67 52.4 0.0 101.2



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# 979

Delta R.T. 0.01 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

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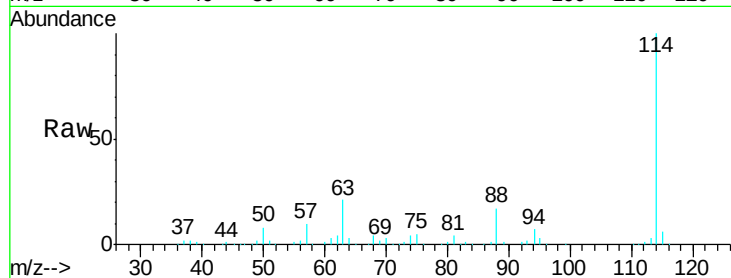
Tgt Ion:114 Resp: 307461

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

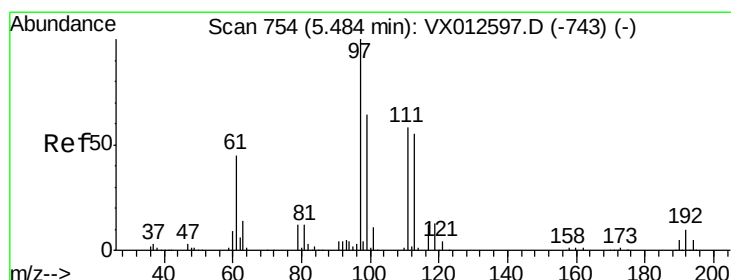
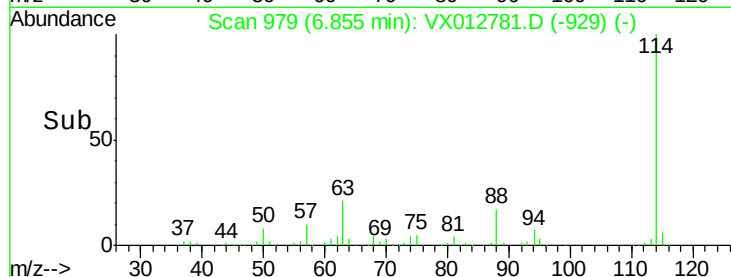
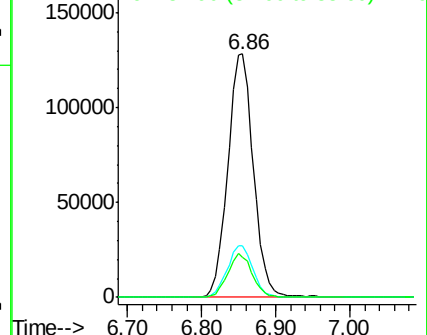
88 16.7 0.0 33.2



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: 50.722 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

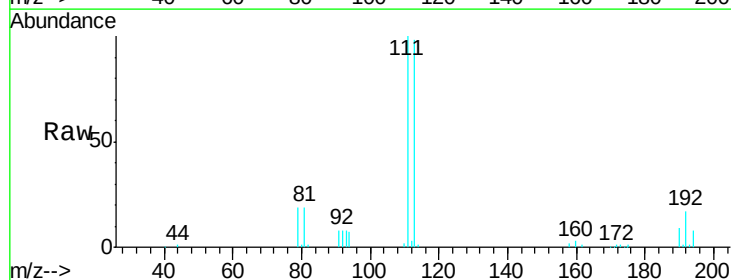
Tgt Ion:113 Resp: 92876

Ion Ratio Lower Upper

113 100

111 104.4 83.4 125.2

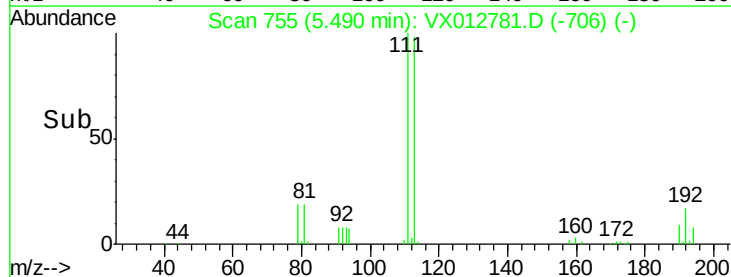
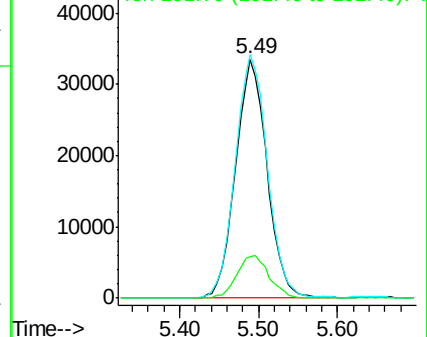
192 18.3 14.4 21.6

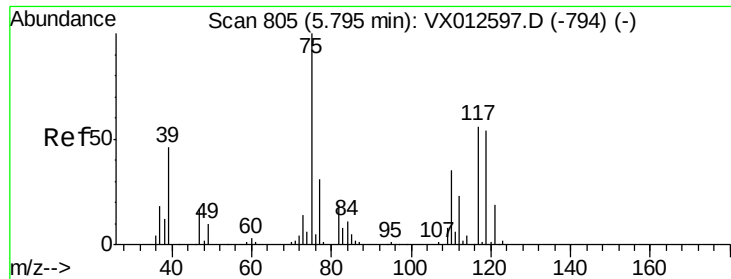


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

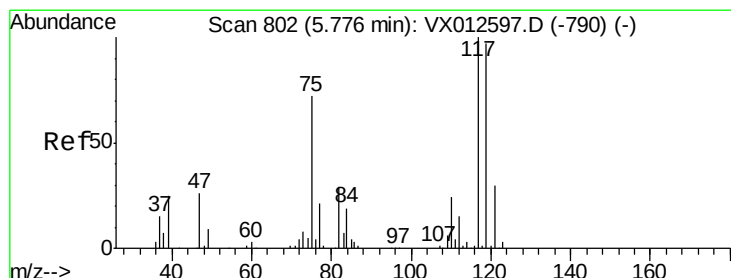
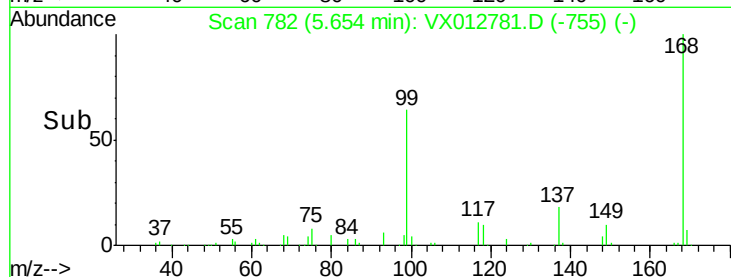
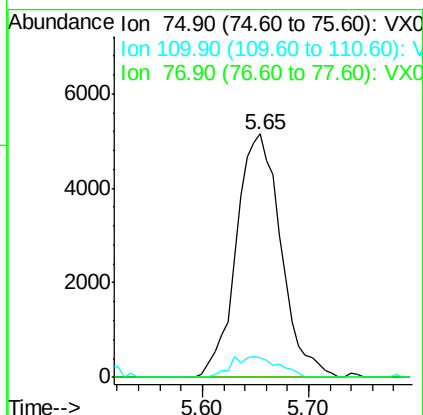
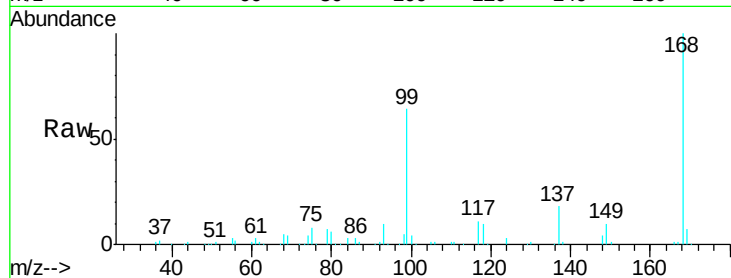




#36
 1,1-Dichloropropene
 Concen: 5.101 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012781.D
 Acq: 03 Oct 2019 14:16

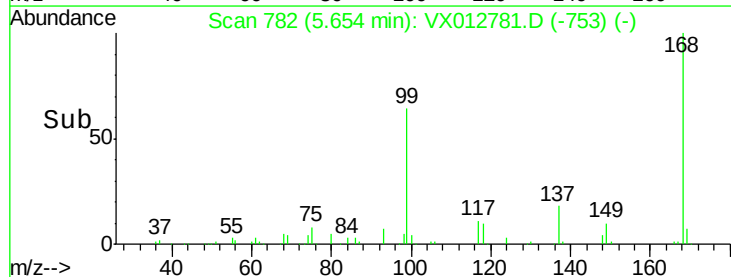
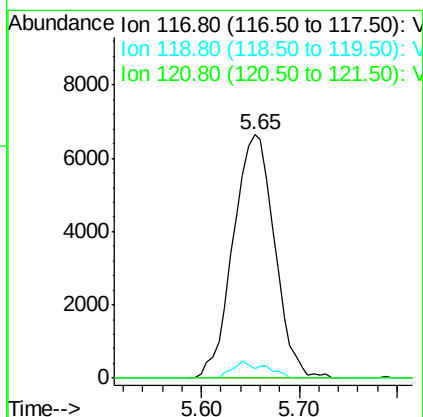
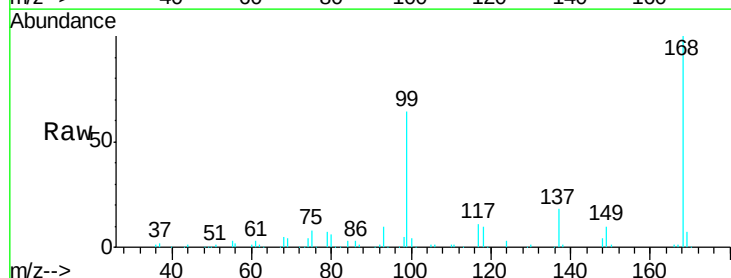
Instrument :
 MSVOA_X
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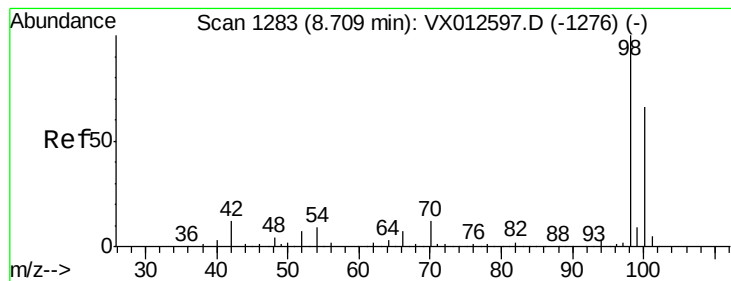
Tgt Ion: 75 Resp: 15118
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.7 50.0#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.473 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX012781.D
 Acq: 03 Oct 2019 14:16

Tgt Ion: 117 Resp: 19486
 Ion Ratio Lower Upper
 117 100
 119 3.9 75.7 113.5#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 51.240 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

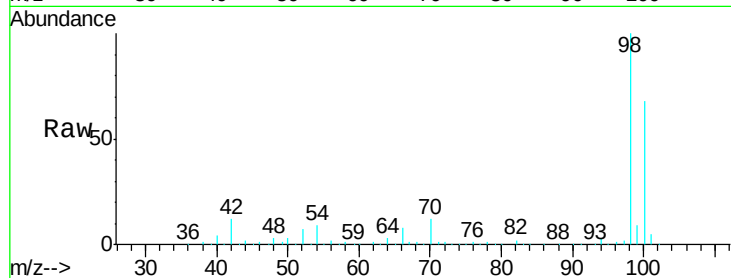
OUTFALL001-191001

Tgt Ion: 98 Resp: 361324

Ion Ratio Lower Upper

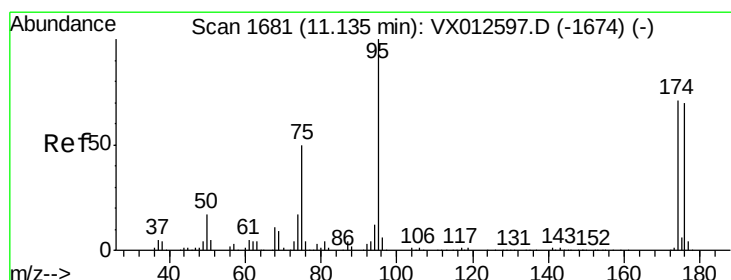
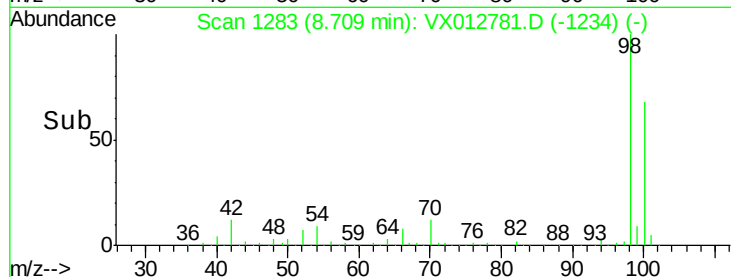
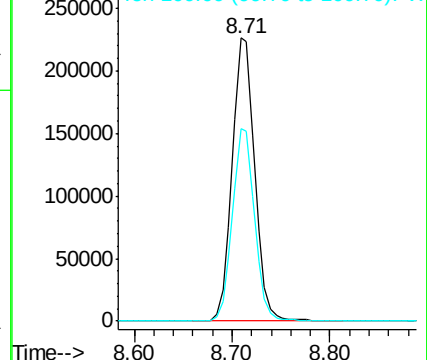
98 100

100 67.1 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 44.025 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

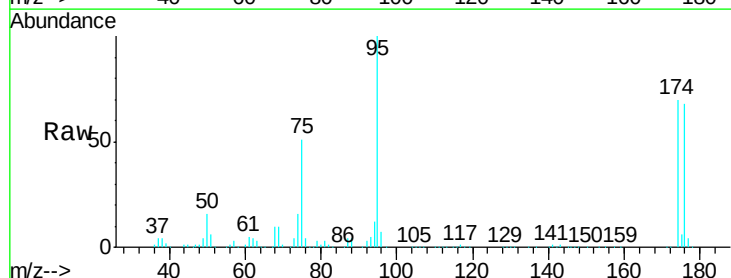
Tgt Ion: 95 Resp: 122068

Ion Ratio Lower Upper

95 100

174 70.2 0.0 140.0

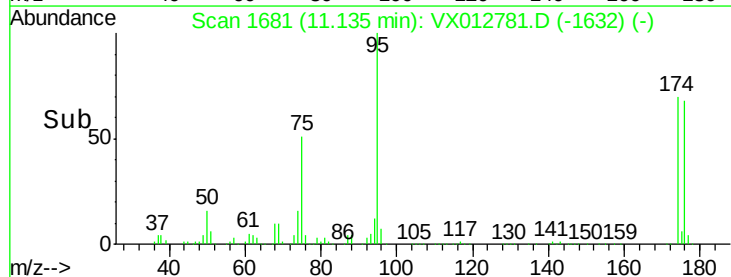
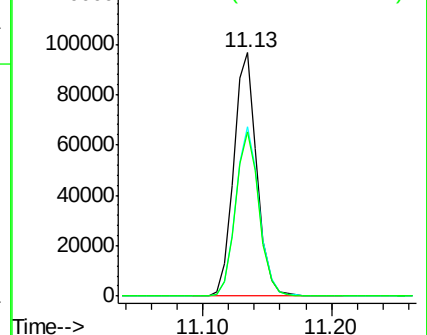
176 68.5 0.0 135.4

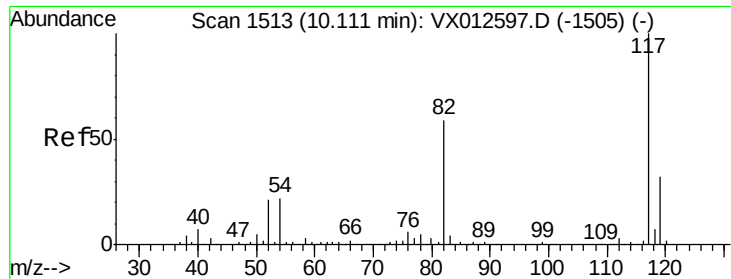


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

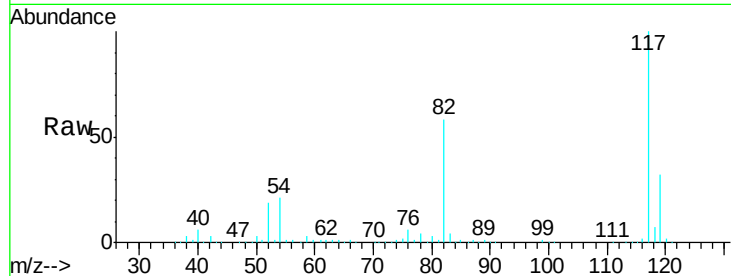




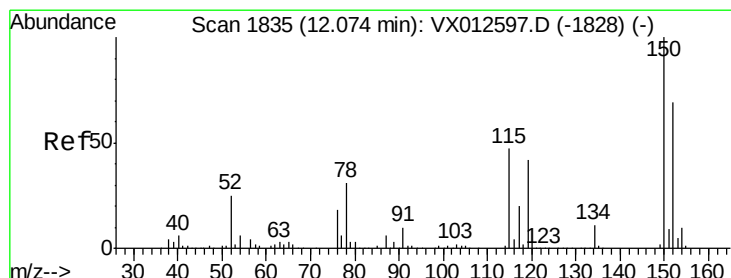
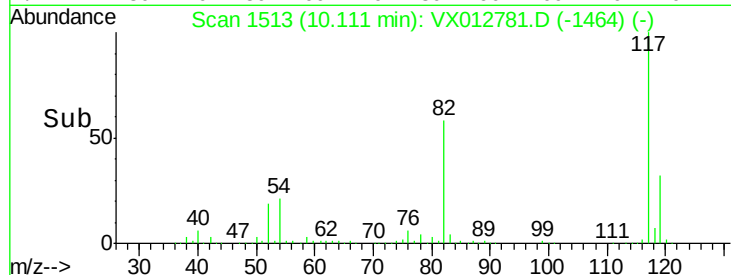
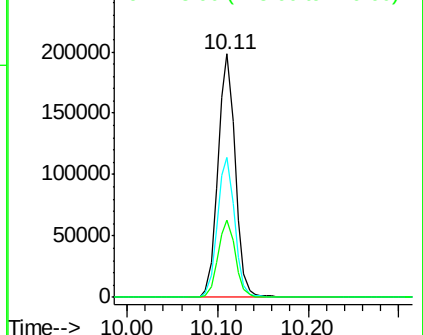
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012781.D
Acq: 03 Oct 2019 14:16

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-191001

Tgt Ion:117 Resp: 265314
Ion Ratio Lower Upper
117 100
82 57.5 45.9 68.9
119 31.9 25.3 37.9

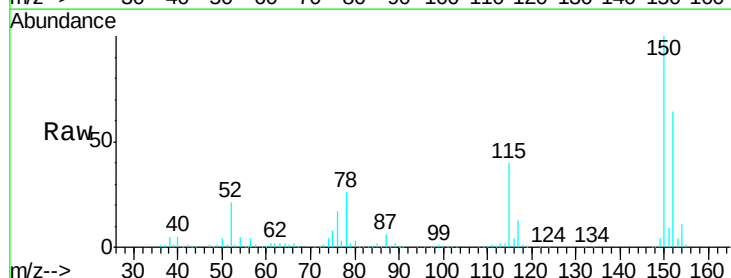


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

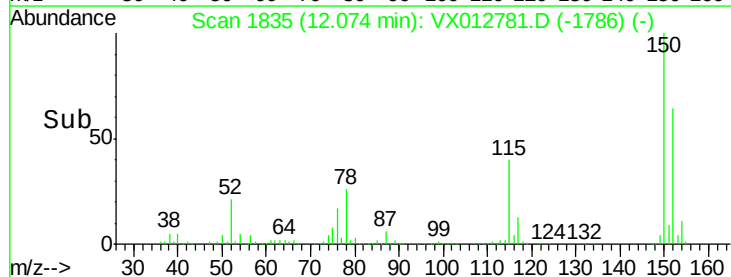
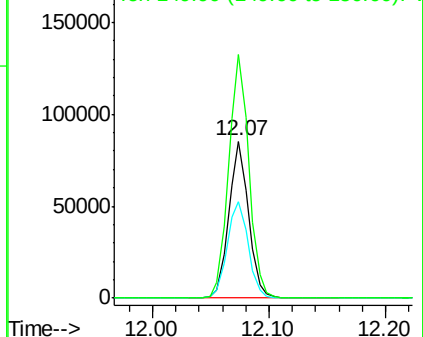


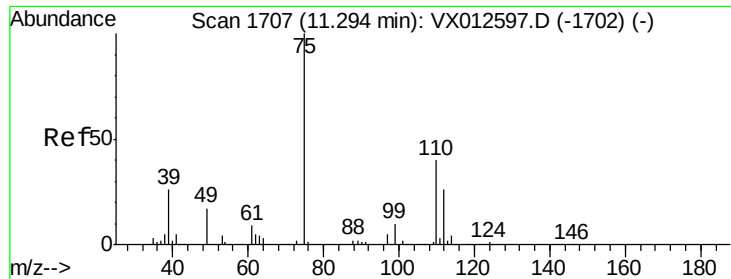
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012781.D
Acq: 03 Oct 2019 14:16

Tgt Ion:152 Resp: 99531
Ion Ratio Lower Upper
152 100
115 65.7 44.1 132.3
150 160.4 0.0 343.8



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: 24.031 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA_X

ClientSampleId :

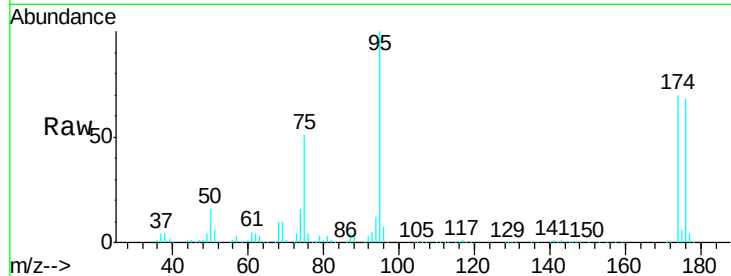
OUTFALL001-191001

Tgt Ion: 75 Resp: 63269

Ion Ratio Lower Upper

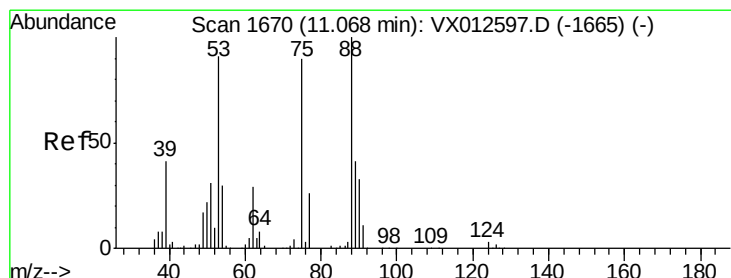
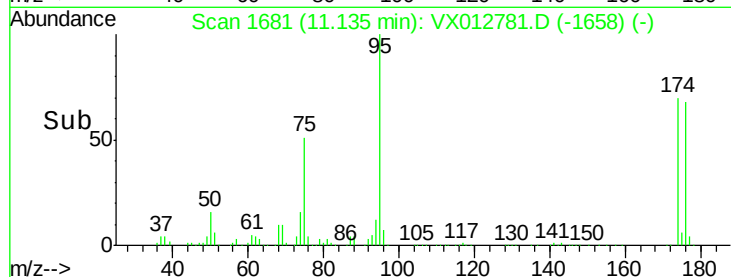
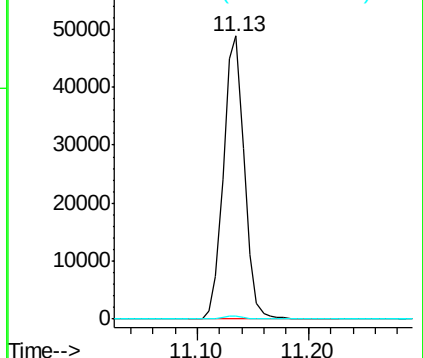
75 100

77 1.1 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.867 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

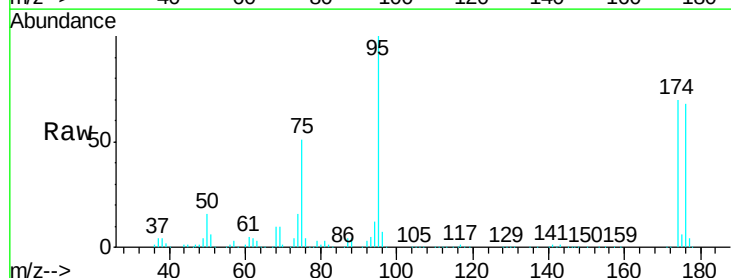
Tgt Ion: 75 Resp: 63269

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

