

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008620.D
 Acq On : 03 Apr 2019 18:07
 Operator : JC/SP
 Sample : K2247-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190402

Quant Time: Apr 04 04:55:55 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	224924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	323013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133156	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	156982	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.50	113	115129	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	
50) Toluene-d8	8.71	98	467034	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	11.13	95	158754	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	

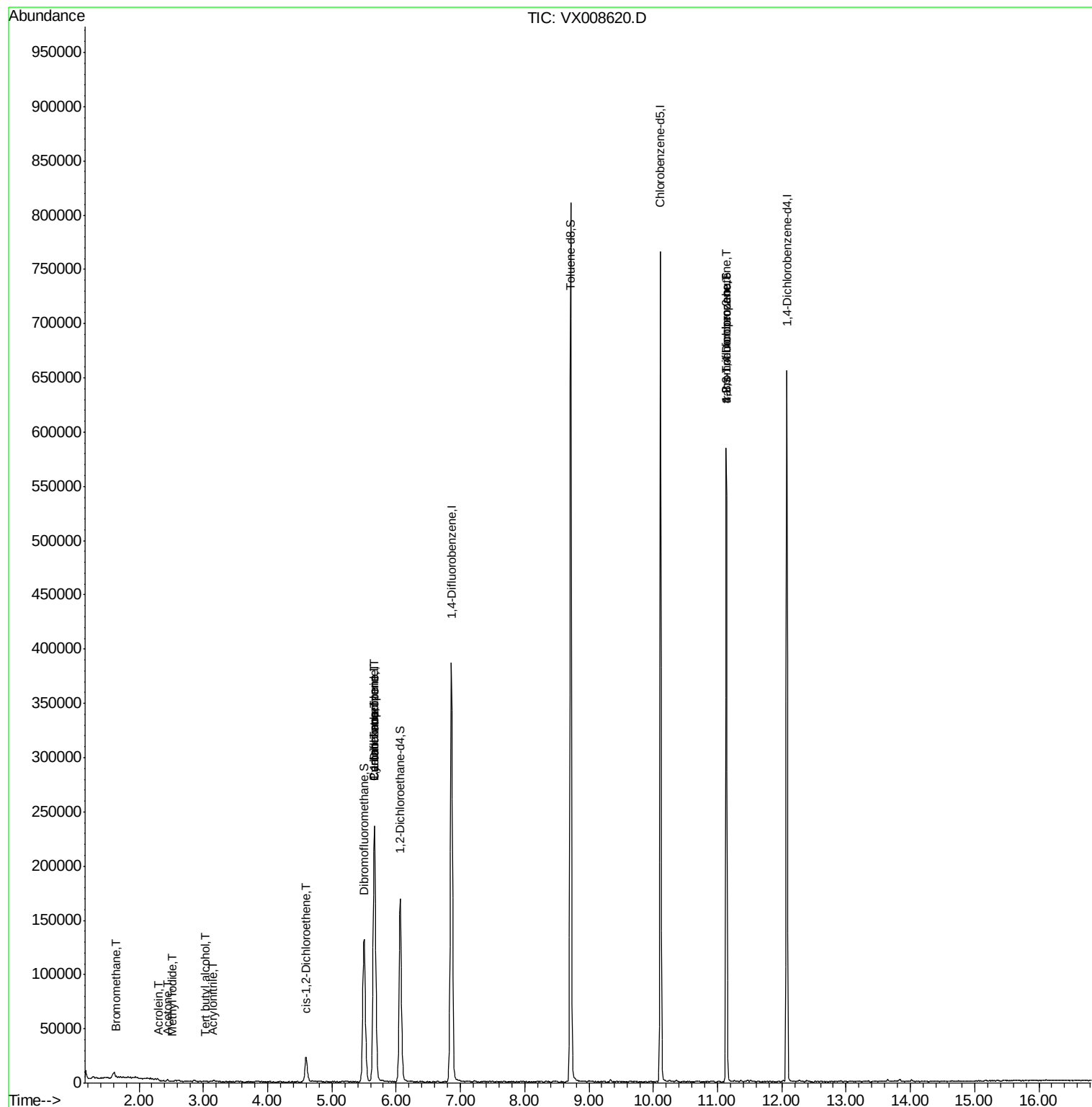
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	693	Below Cal	#	78
5) Bromomethane	1.64	94	653	2.250	ug/l	86
6) Chloroethane	1.67	64	1288	Below Cal	#	52
10) Methyl Iodide	2.51	142	501	4.206	ug/l #	88
11) Tert butyl alcohol	3.03	59	448	0.583	ug/l #	72
13) Acrolein	2.31	56	303	0.796	ug/l	93
15) Acrylonitrile	3.15	53	572	0.281	ug/l	89
16) Acetone	2.45	43	1770	0.937	ug/l	100
17) Carbon Disulfide	2.57	76	1572	Below Cal	#	86
27) cis-1,2-Dichloroethene	4.60	96	13703	4.237	ug/l	90
28) Bromochloromethane	5.01	49	190	Below Cal	#	22
31) Cyclohexane	5.66	56	4890	0.863	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	18448	4.513	ug/l #	51
38) Carbon Tetrachloride	5.67	117	21828	6.452	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	80175	21.918	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	80175	60.418	ug/l #	9

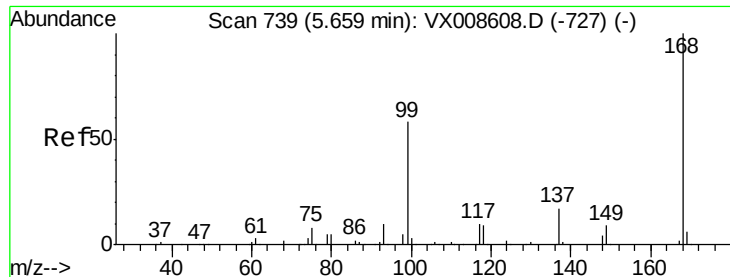
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

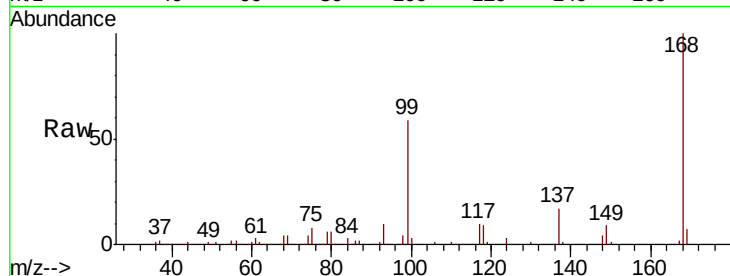
OUTFALL001-190402

Tot Ion:168 Resp: 224924

Ion Ratio Lower Upper

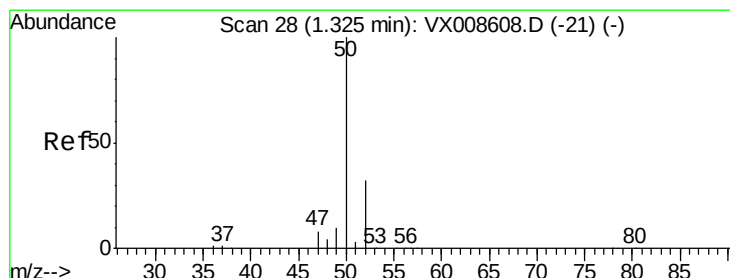
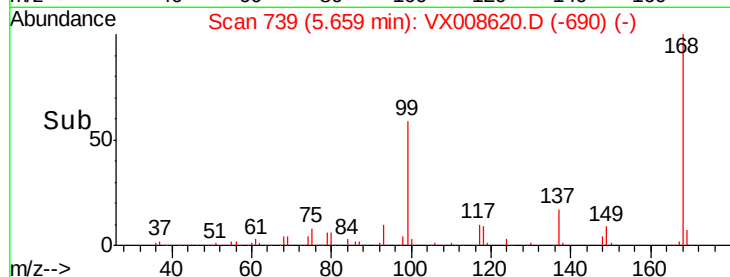
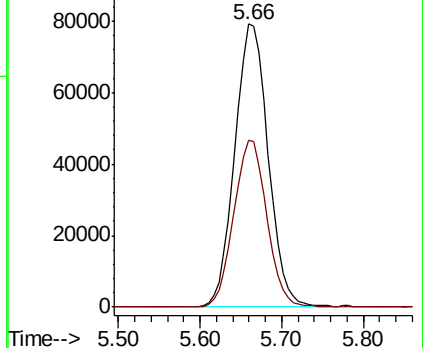
168 100

99 58.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008620.D

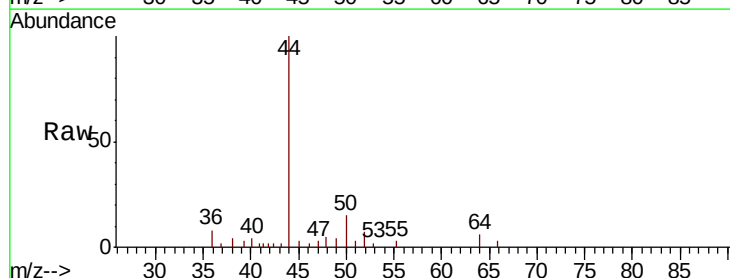
Acq: 03 Apr 2019 18:07

Tgt Ion: 50 Resp: 693

Ion Ratio Lower Upper

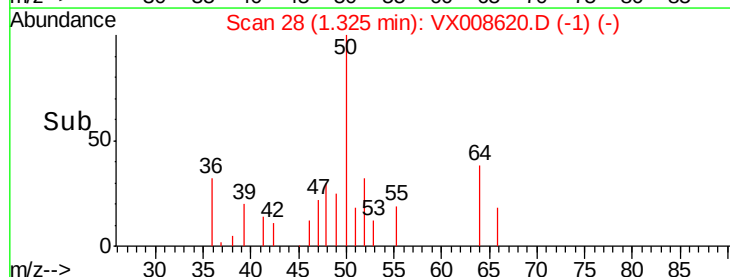
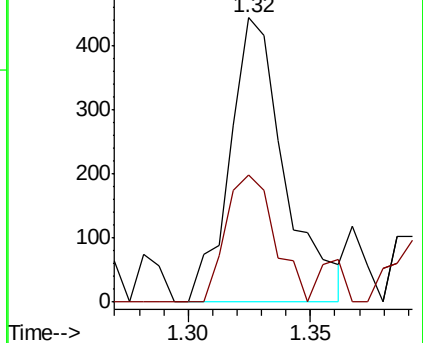
50 100

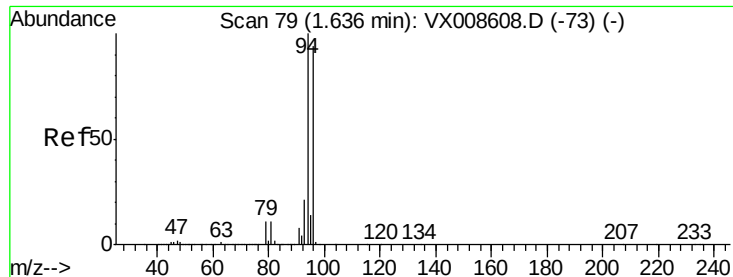
52 44.4 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.250 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

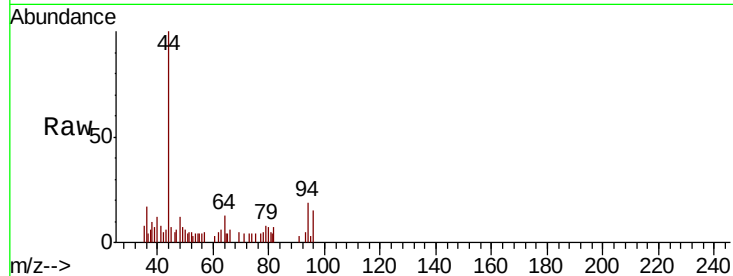
OUTFALL001-190402

Tot Ion: 94 Resp: 653

Ion Ratio Lower Upper

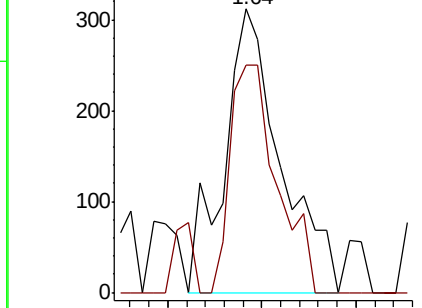
94 100

96 80.1 75.2 112.8

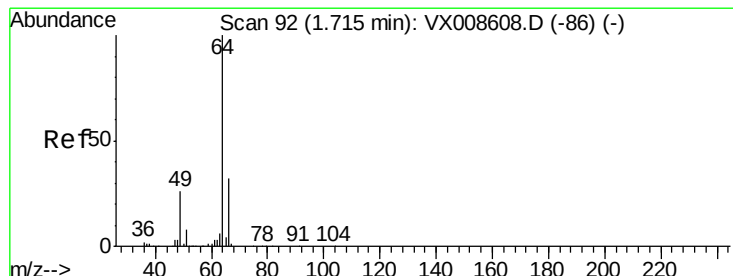
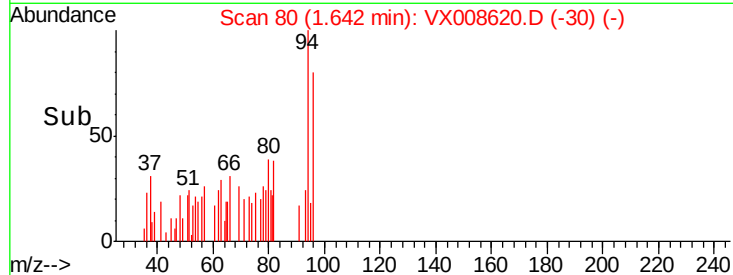


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. -0.04 min

Lab File: VX008620.D

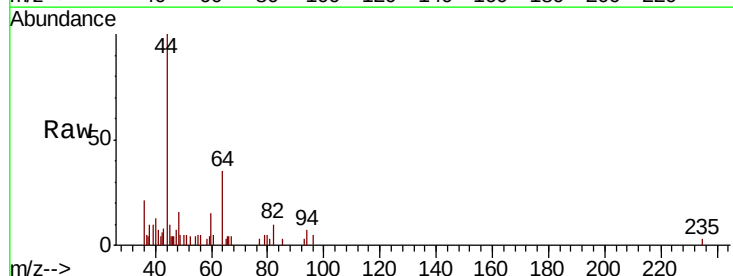
Acq: 03 Apr 2019 18:07

Tgt Ion: 64 Resp: 1288

Ion Ratio Lower Upper

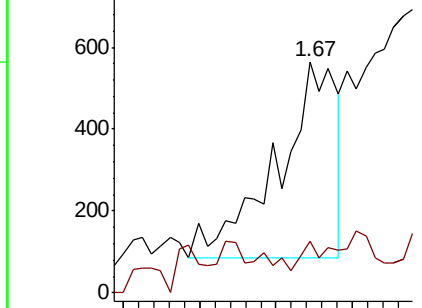
64 100

66 4.8 25.4 38.0#

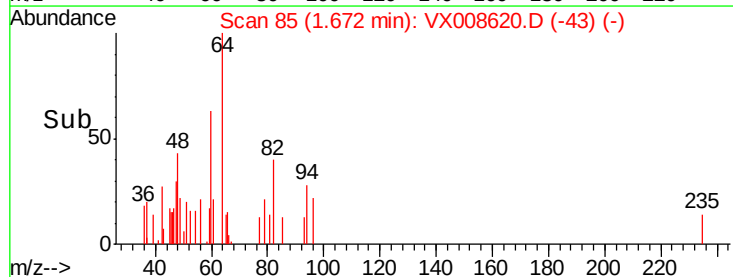


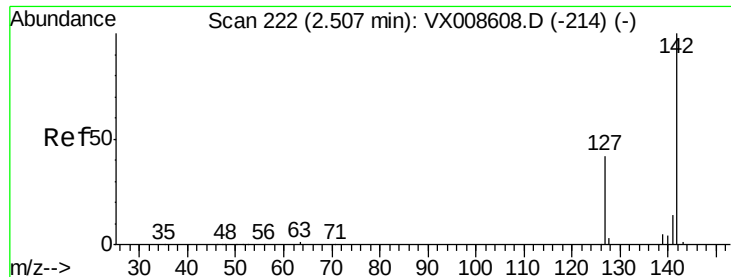
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

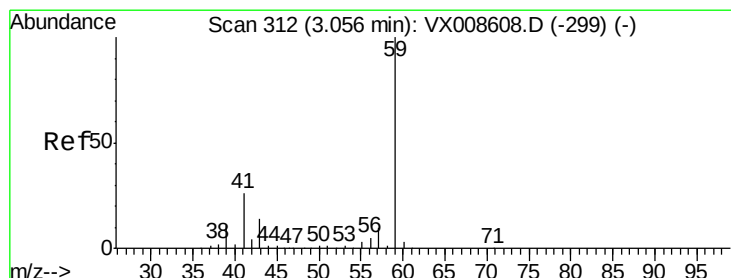
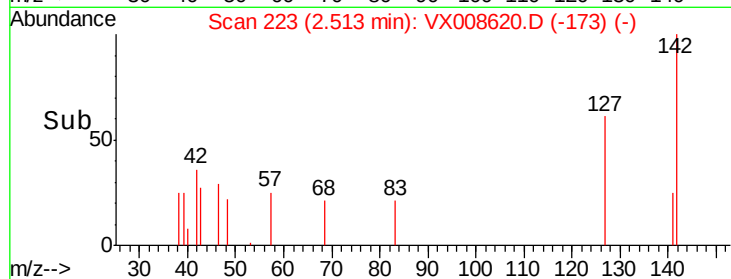
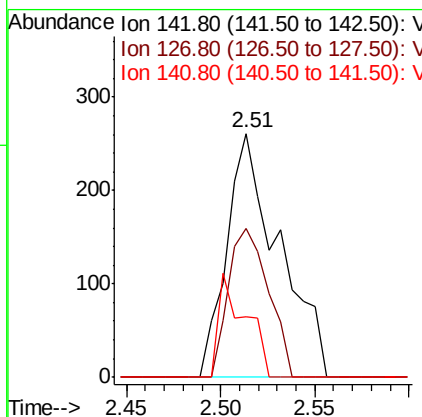
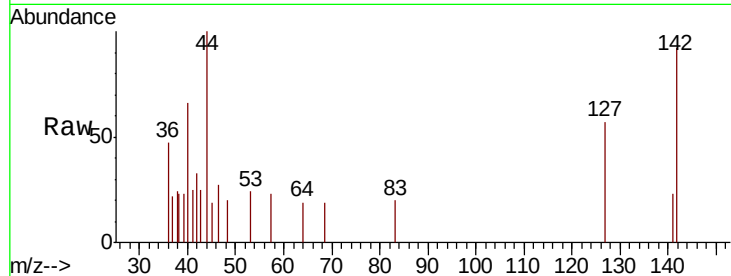




#10
Methvl Iodide
Concen: 4.206 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008620.D
Acq: 03 Apr 2019 18:07

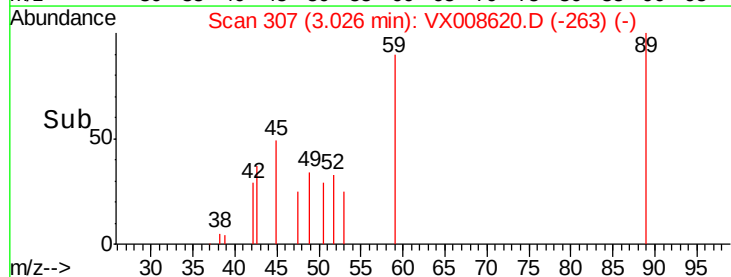
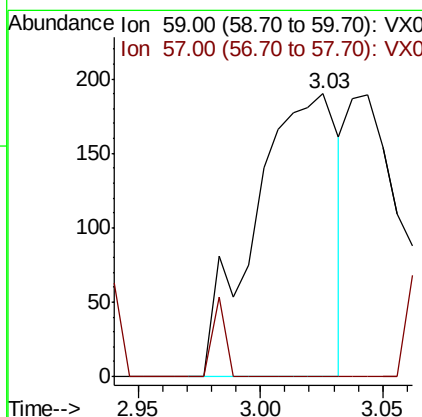
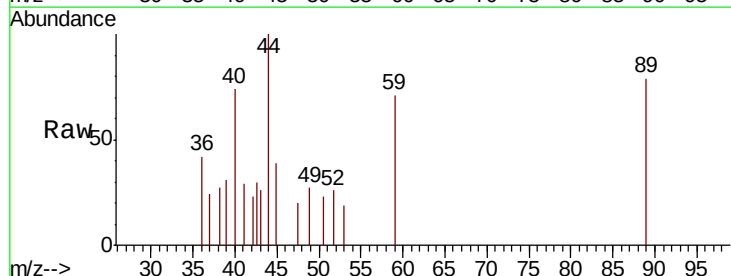
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190402

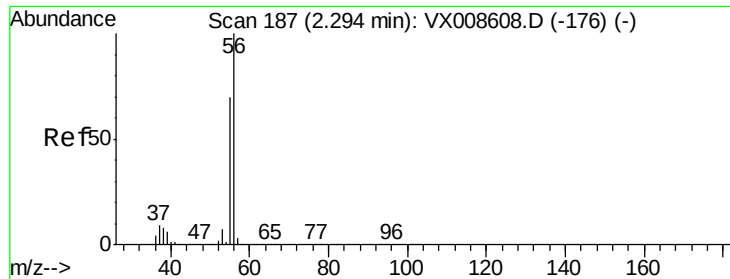
Tot Ion:142 Resp: 501
Ion Ratio Lower Upper
142 100
127 46.9 33.0 49.6
141 22.2 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.583 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.03 min
Lab File: VX008620.D
Acq: 03 Apr 2019 18:07

Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.796 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

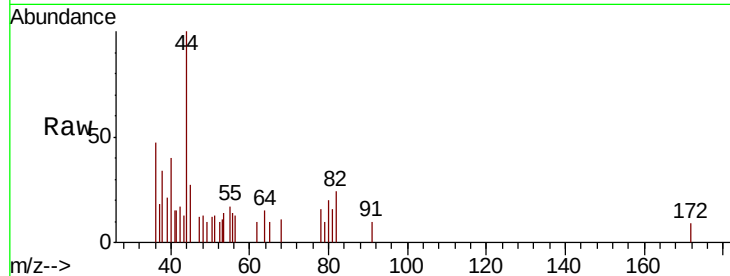
OUTFALL001-190402

Tot Ion: 56 Resp: 303

Ion Ratio Lower Upper

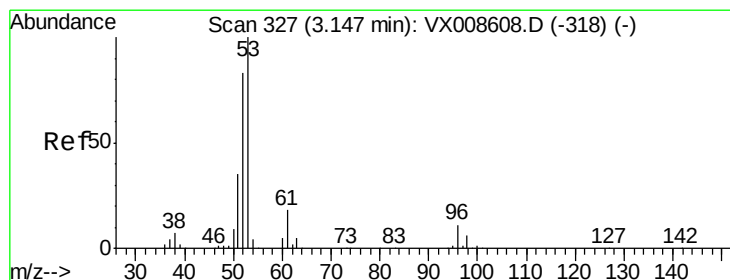
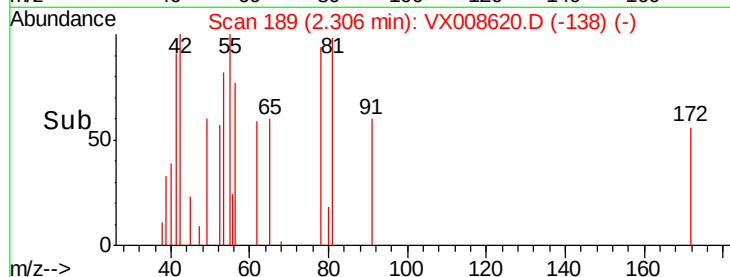
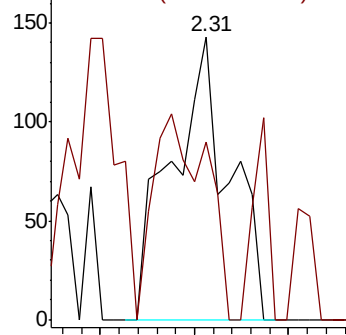
56 100

55 67.0 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.281 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

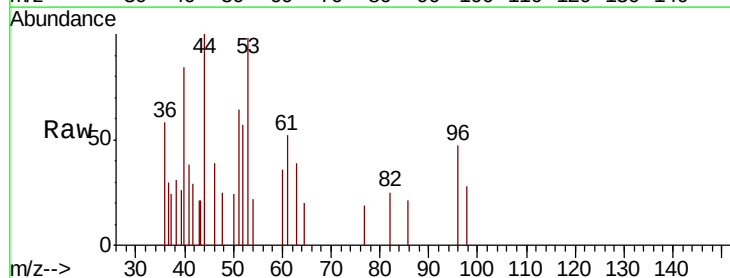
Tgt Ion: 53 Resp: 572

Ion Ratio Lower Upper

53 100

52 71.2 66.5 99.7

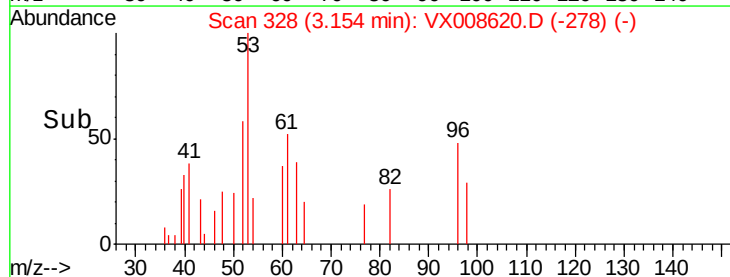
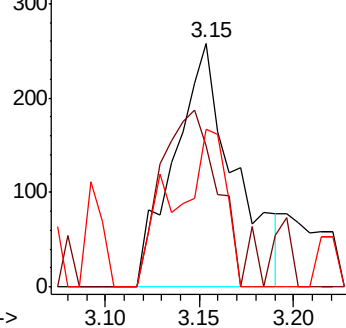
51 32.9 28.6 42.8

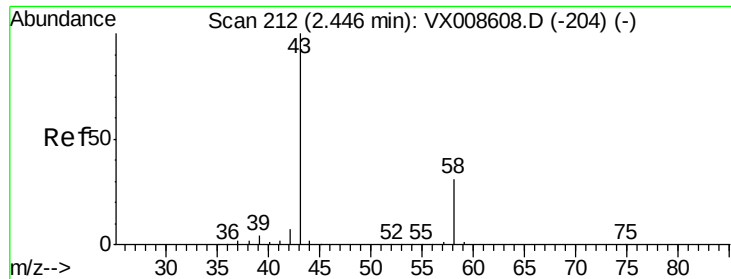


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.937 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

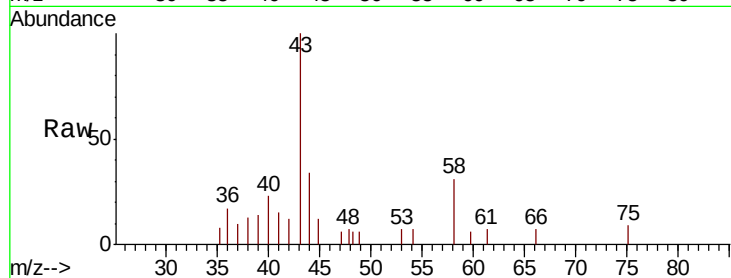
OUTFALL001-190402

Tot Ion: 43 Resp: 1770

Ion Ratio Lower Upper

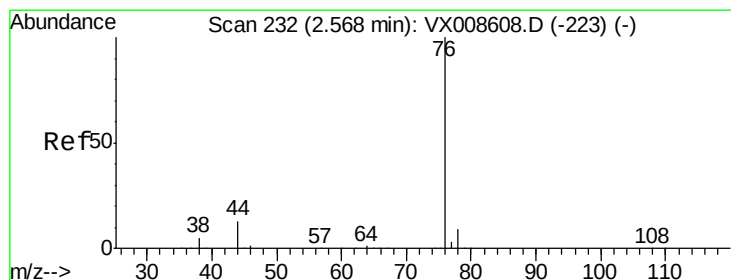
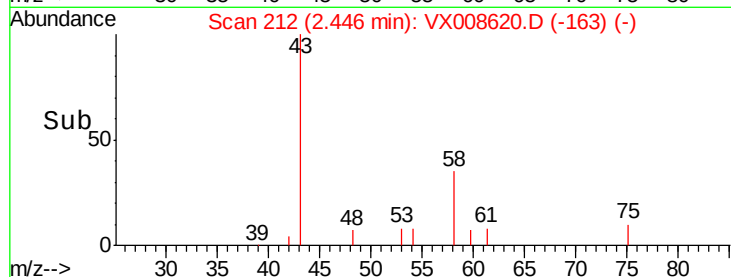
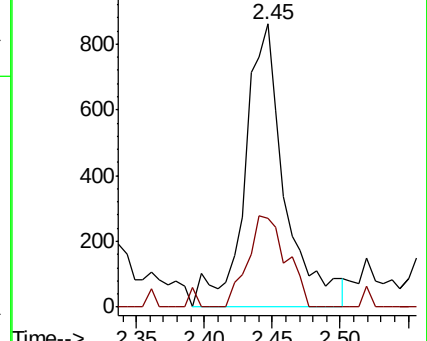
43 100

58 31.2 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008620.D

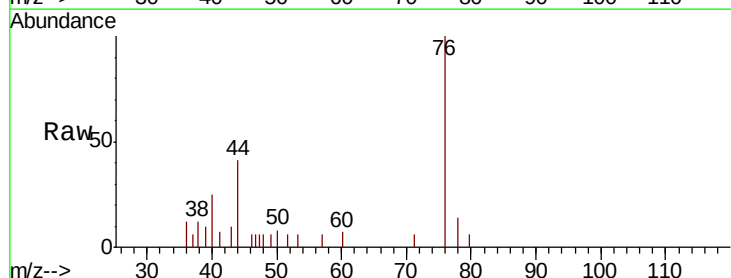
Acq: 03 Apr 2019 18:07

Tgt Ion: 76 Resp: 1572

Ion Ratio Lower Upper

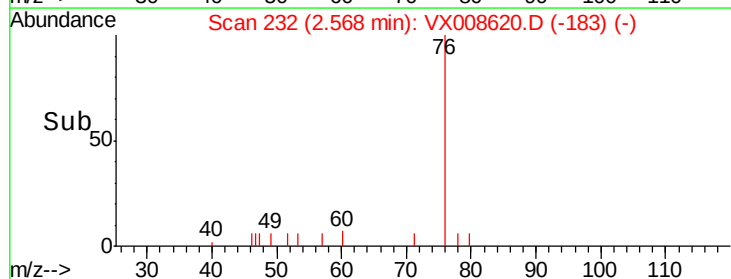
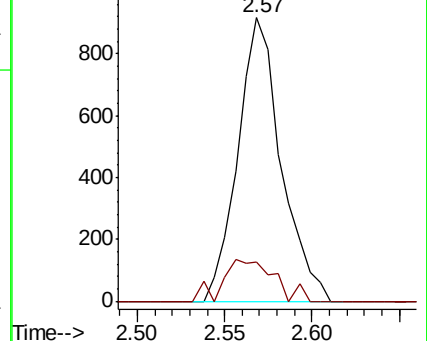
76 100

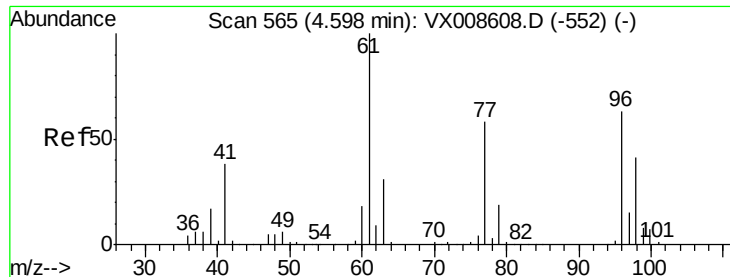
78 14.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



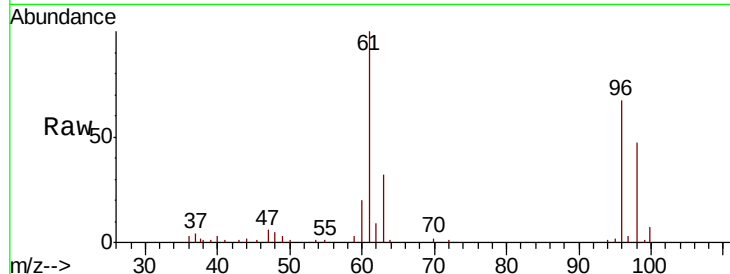


#27

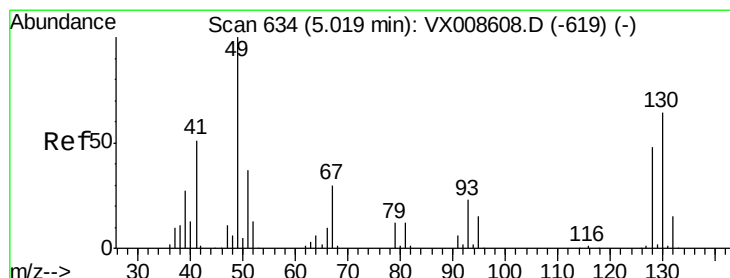
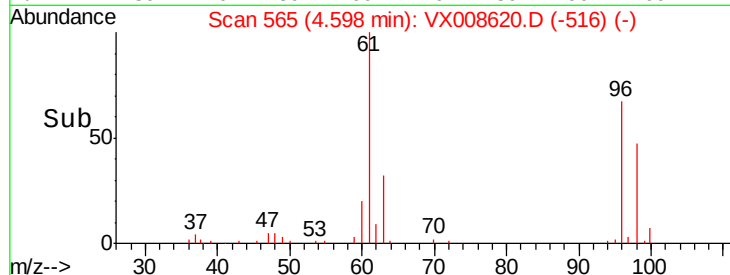
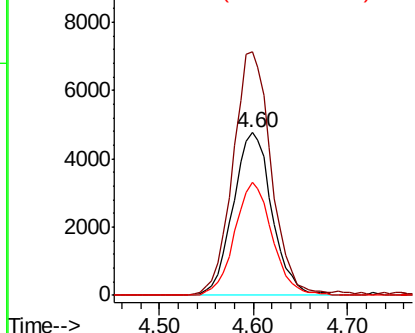
cis-1,2-Dichloroethene
 Concen: 4.237 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX008620.D
 Acq: 03 Apr 2019 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190402

Tot Ion: 96 Resp: 13703
 Ion Ratio Lower Upper
 96 100
 61 147.6 0.0 327.6
 98 67.3 0.0 128.6



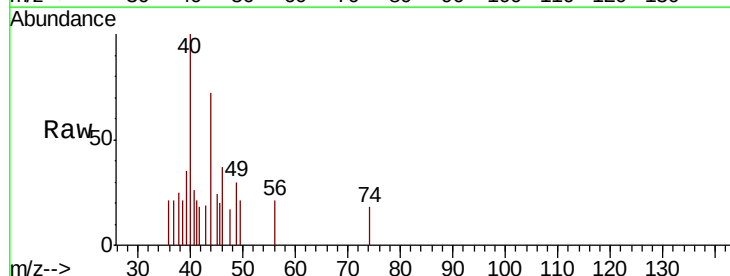
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



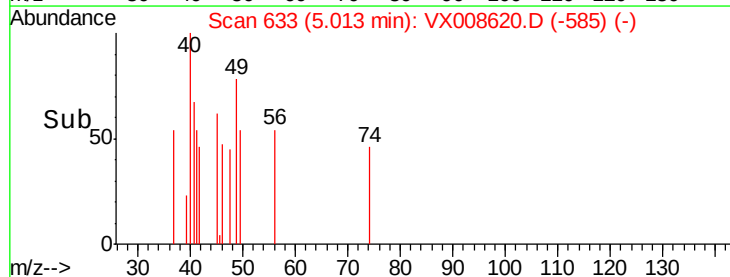
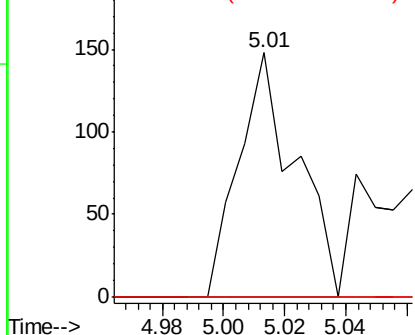
#28

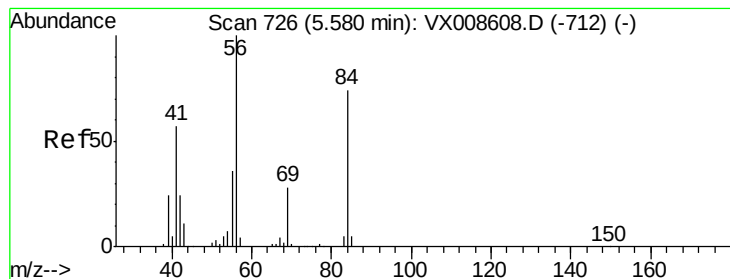
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008620.D
 Acq: 03 Apr 2019 18:07

Tgt Ion: 49 Resp: 190
 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





#31

Cyclohexane

Concen: 0.863 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190402

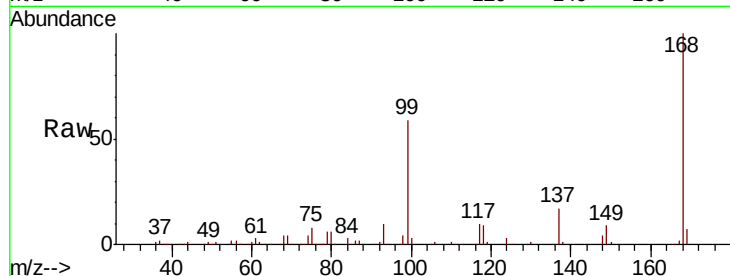
Tot Ion: 56 Resp: 4890

Ion Ratio Lower Upper

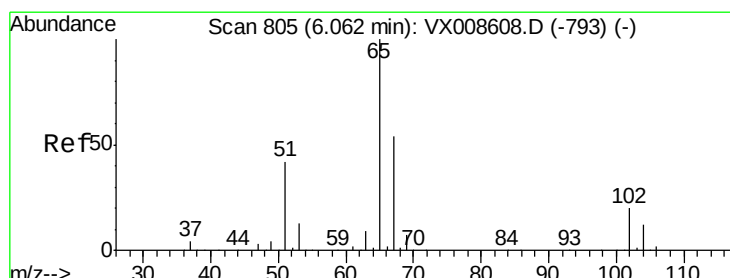
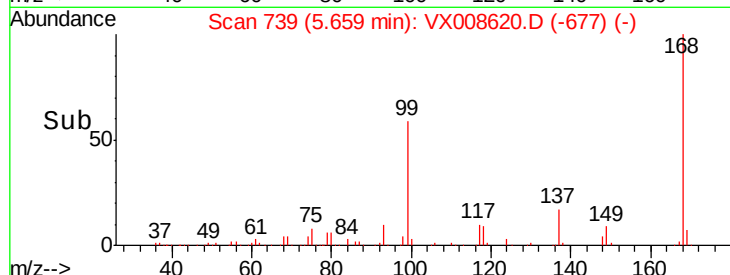
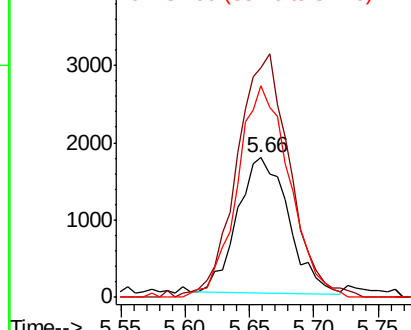
56 100

69 165.8 22.6 33.8#

84 153.5 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



#33

1,2-Dichloroethane-d4

Concen: 47.851 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008620.D

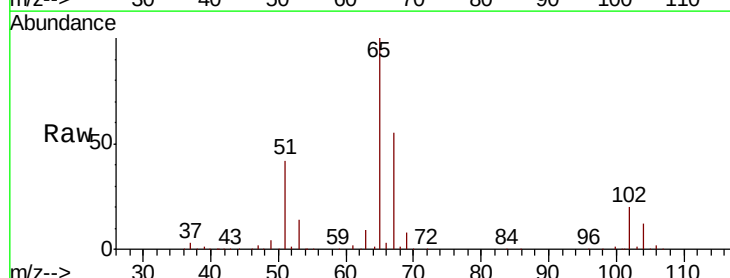
Acq: 03 Apr 2019 18:07

Tgt Ion: 65 Resp: 156982

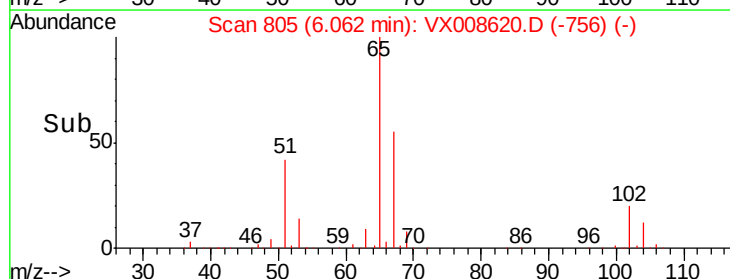
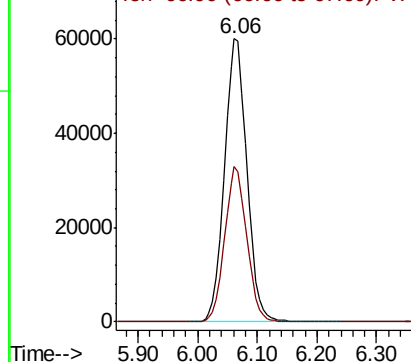
Ion Ratio Lower Upper

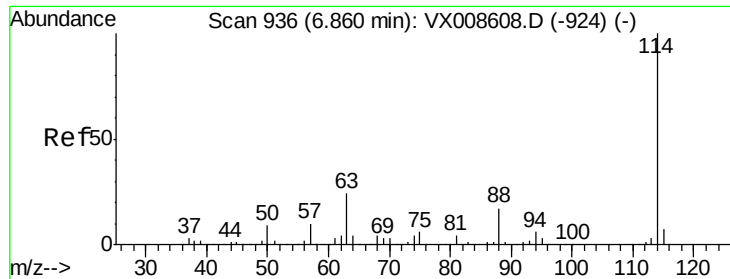
65 100

67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

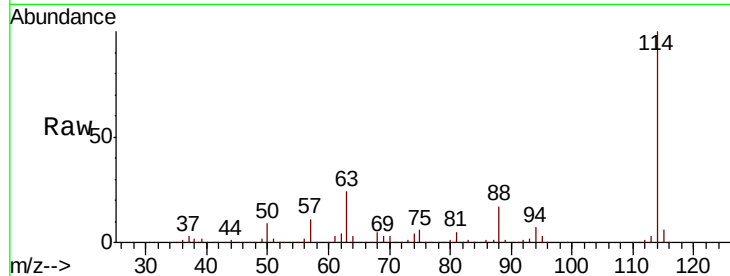




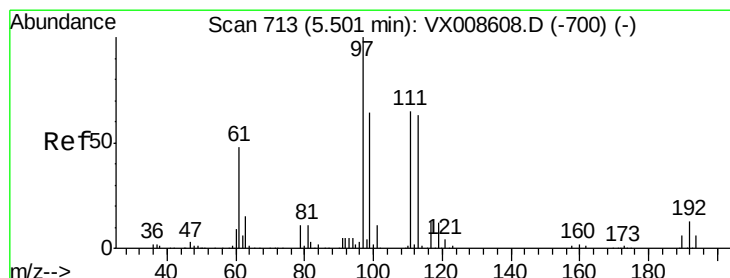
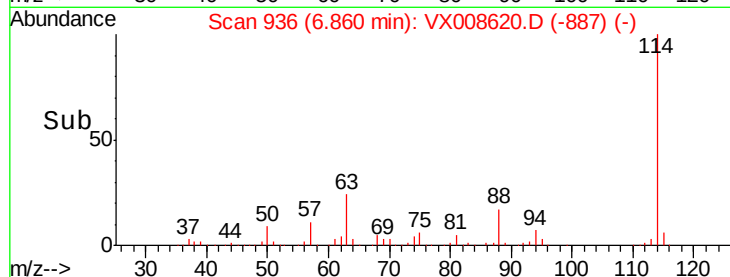
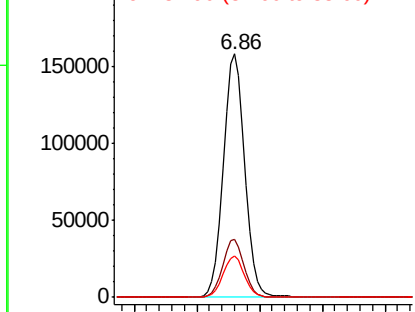
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008620.D
 Acq: 03 Apr 2019 18:07

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190402

Tot Ion:114 Resp: 373943
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 47.2
 88 16.8 0.0 34.0

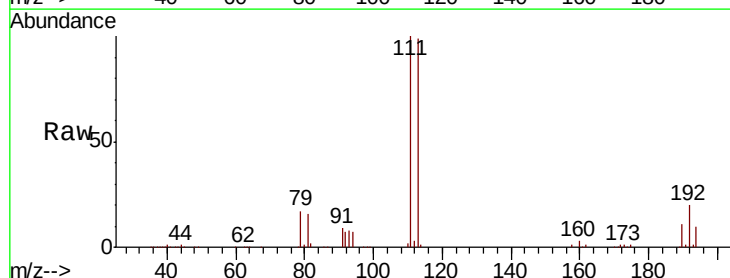


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

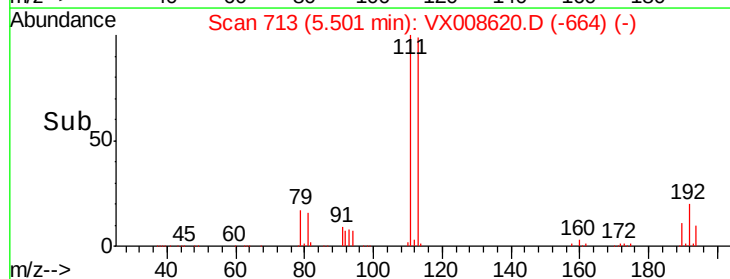
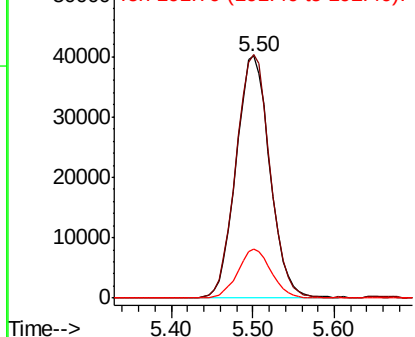


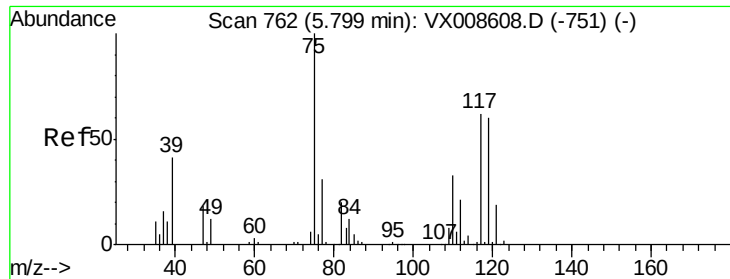
#35
 Dibromofluoromethane
 Concen: 48.154 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008620.D
 Acq: 03 Apr 2019 18:07

Tgt Ion:113 Resp: 115129
 Ion Ratio Lower Upper
 113 100
 111 101.0 83.4 125.2
 192 19.9 16.1 24.1



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

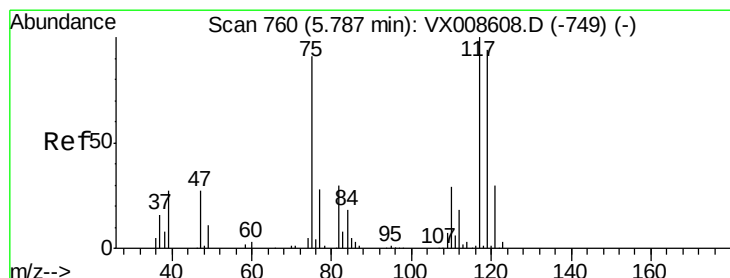
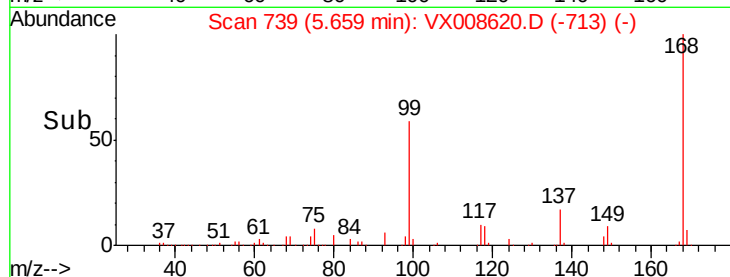
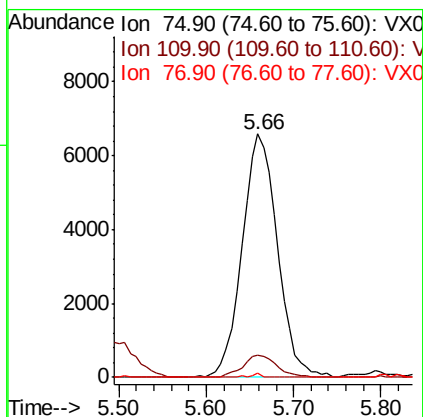
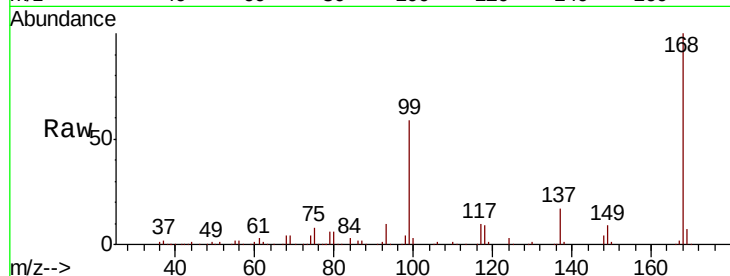




#36
 1,1-Dichloropropene
 Concen: 4.513 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008620.D
 Acq: 03 Apr 2019 18:07

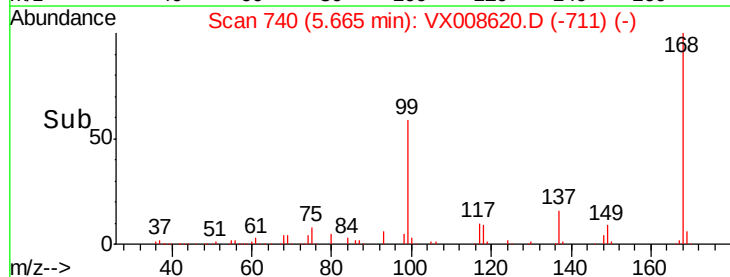
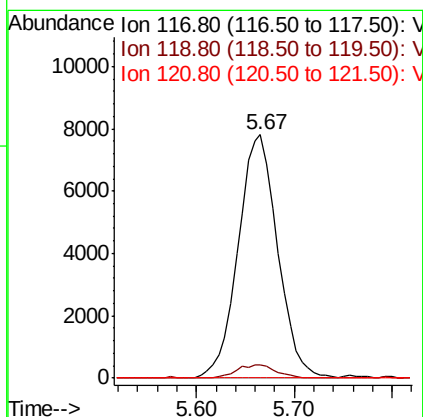
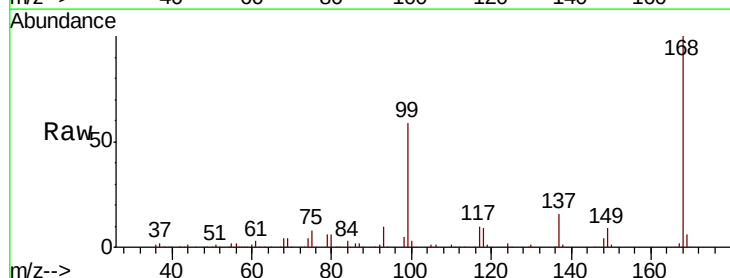
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190402

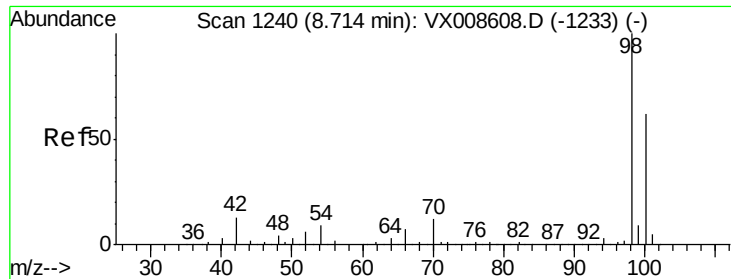
Tot Ion: 75 Resp: 18448
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.4 49.2#
 77 0.4 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.452 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008620.D
 Acq: 03 Apr 2019 18:07

Tgt Ion: 117 Resp: 21828
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.0 112.6#
 121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 49.060 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

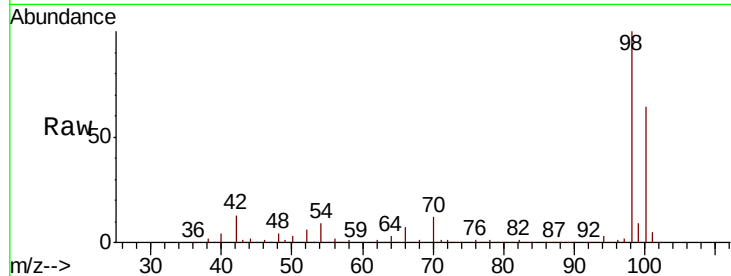
OUTFALL001-190402

Tot Ion: 98 Resp: 467034

Ion Ratio Lower Upper

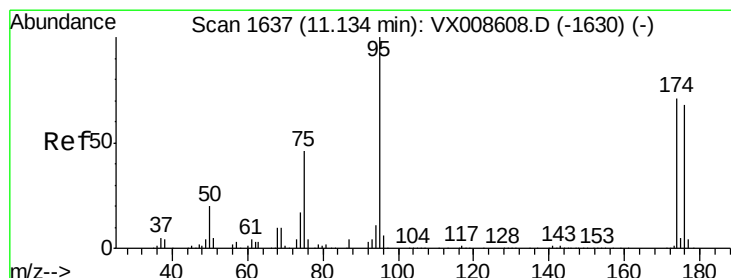
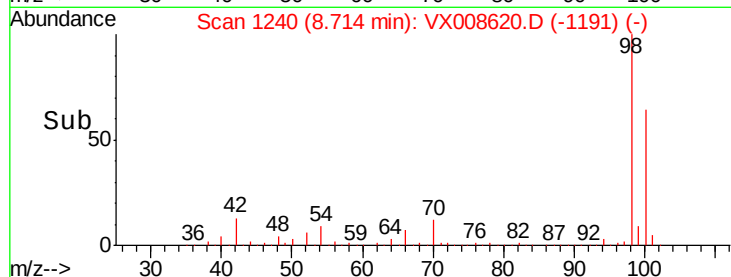
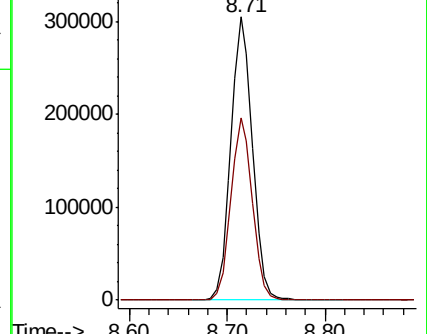
98 100

100 63.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.026 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

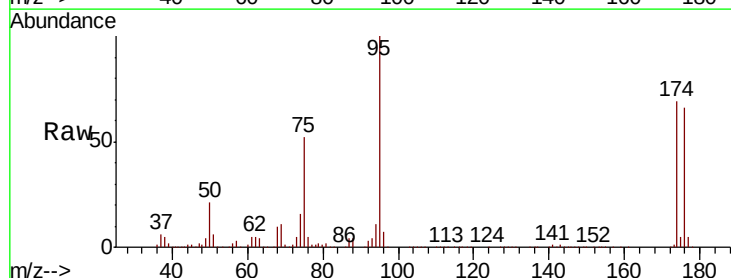
Tgt Ion: 95 Resp: 158754

Ion Ratio Lower Upper

95 100

174 74.4 0.0 151.8

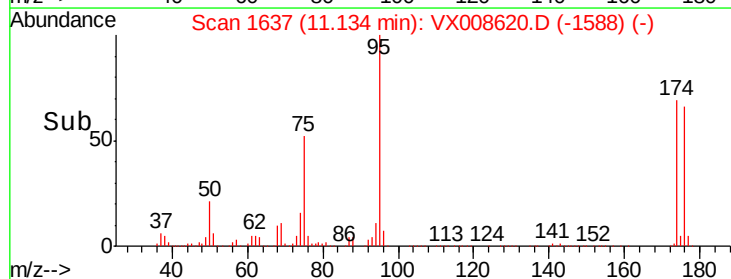
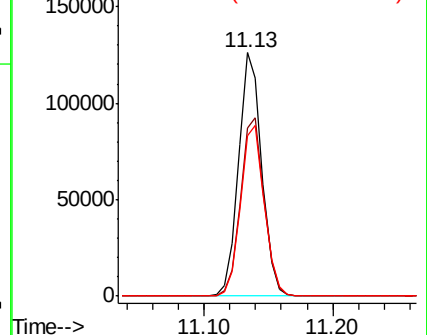
176 71.7 0.0 145.8

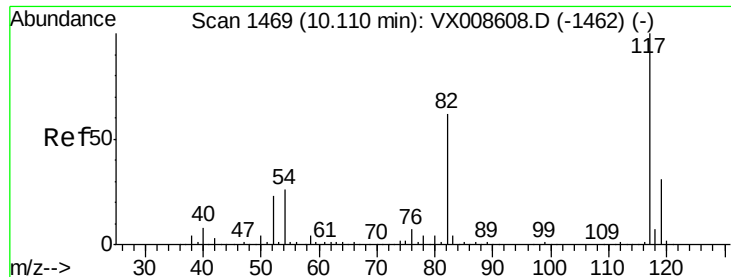


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

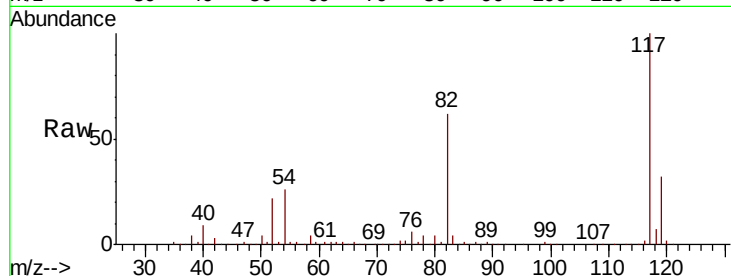




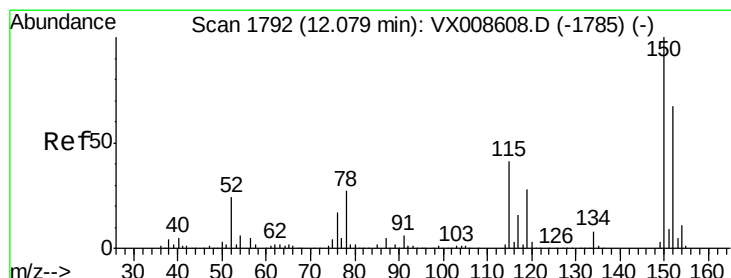
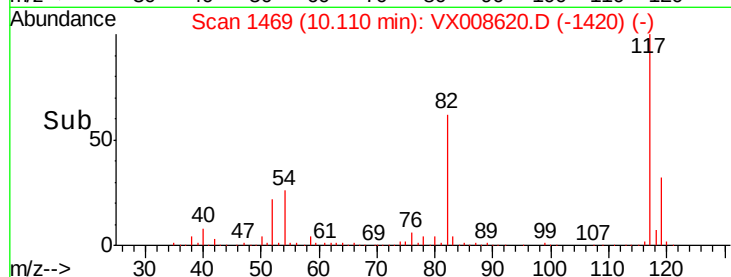
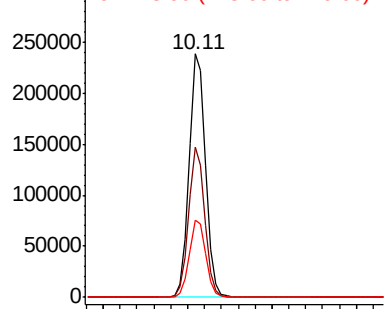
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008620.D
Acq: 03 Apr 2019 18:07

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190402

Tot Ion:117 Resp: 323013
Ion Ratio Lower Upper
117 100
82 61.9 49.6 74.4
119 31.9 25.0 37.4

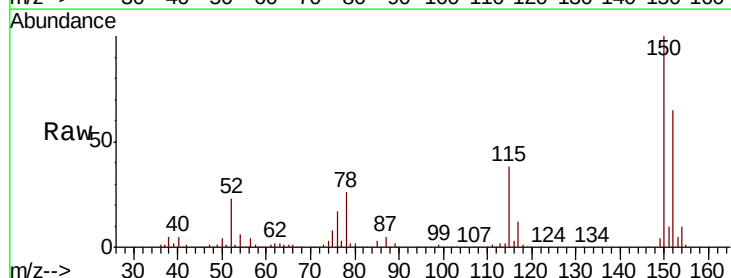


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

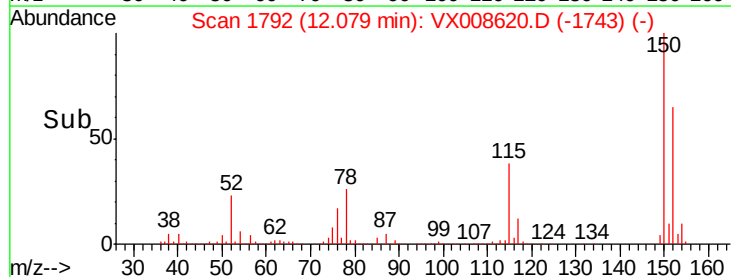
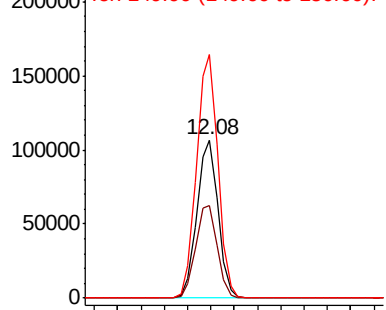


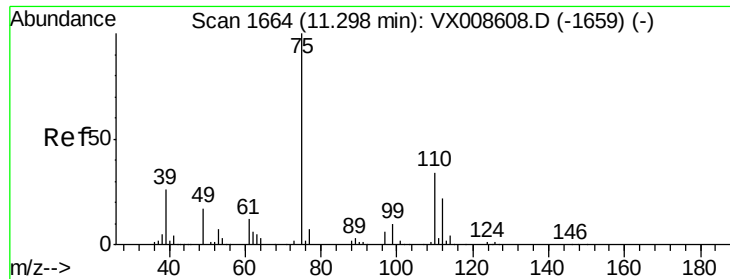
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008620.D
Acq: 03 Apr 2019 18:07

Tgt Ion:152 Resp: 133156
Ion Ratio Lower Upper
152 100
115 60.4 43.5 130.5
150 156.3 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: 21.918 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

Instrument :

MSVOA_X

ClientSampleId :

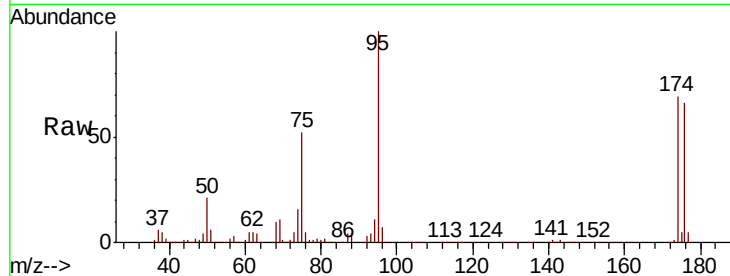
OUTFALL001-190402

Tot Ion: 75 Resp: 80175

Ion Ratio Lower Upper

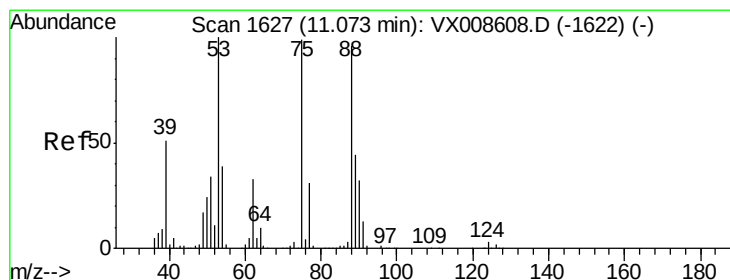
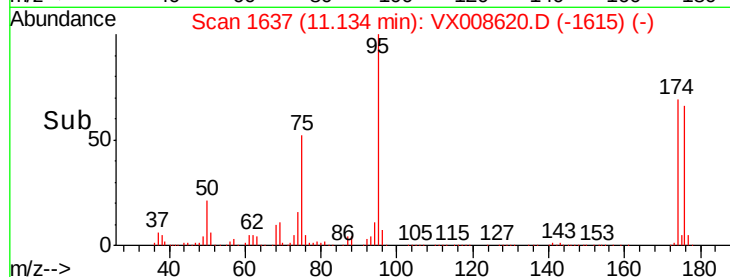
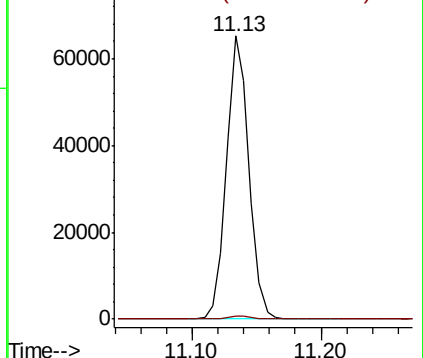
75 100

77 1.3 22.3 66.8#



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: 60.418 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008620.D

Acq: 03 Apr 2019 18:07

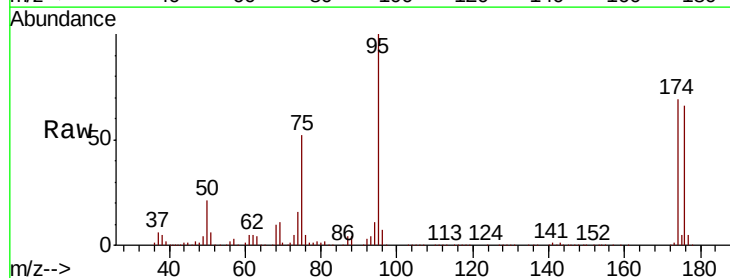
Tgt Ion: 75 Resp: 80175

Ion Ratio Lower Upper

75 100

53 0.0 81.3 121.9#

89 0.0 35.6 53.4#



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

