

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX080719\
 Data File : VX011368.D
 Acq On : 07 Aug 2019 17:17
 Operator : JC/SP
 Sample : K4222-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190806

Quant Time: Aug 08 07:05:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	264477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252733	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115673	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	93537	56.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.82%	
35) Dibromofluoromethane	5.49	113	85695	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
50) Toluene-d8	8.71	98	322919	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	114127	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

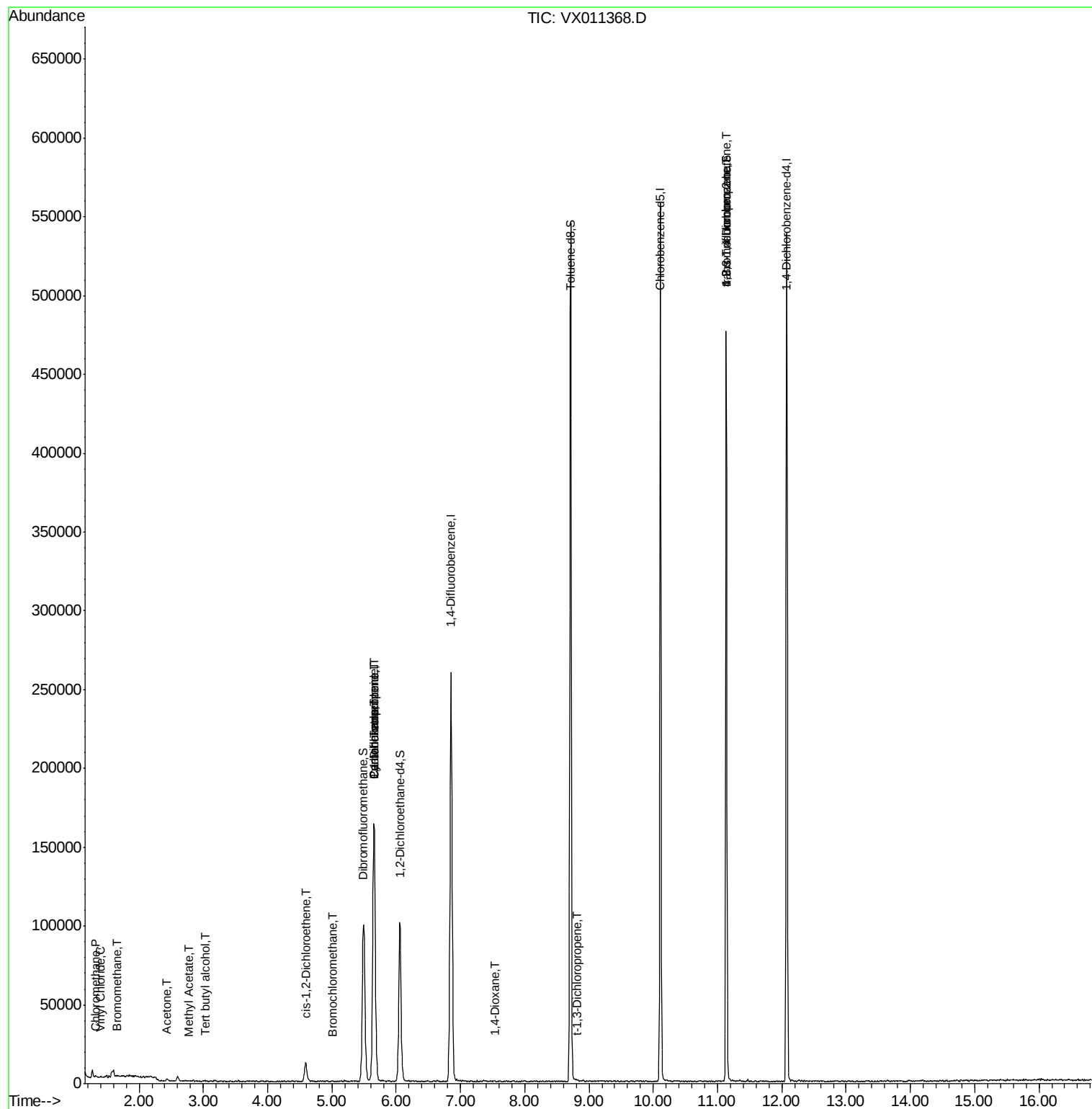
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	552	0.390	ug/l #	73
4) Vinyl Chloride	1.40	62	402	0.258	ug/l #	70
5) Bromomethane	1.65	94	411	0.370	ug/l #	72
6) Chloroethane	1.71	64	227	Below Cal	#	43
11) Tert butyl alcohol	3.04	59	215	0.679	ug/l #	62
13) Acrolein	2.32	56	74	Below Cal	#	73
16) Acetone	2.43	43	1641	2.098	ug/l	92
18) Methyl Acetate	2.78	43	537	0.300	ug/l #	58
27) cis-1,2-Dichloroethene	4.59	96	7527	4.160	ug/l	95
28) Bromochloromethane	5.02	49	292	0.250	ug/l #	4
31) Cyclohexane	5.65	56	3381	1.597	ug/l #	32
36) 1,1-Dichloropropene	5.66	75	10758	4.659	ug/l #	50
38) Carbon Tetrachloride	5.65	117	15464	6.656	ug/l #	14
49) 1,4-Dioxane	7.52	88	22	0.435	ug/l #	29
53) t-1,3-Dichloropropene	8.82	75	27	2.848	ug/l #	43
76) 1,2,3-Trichloropropane	11.13	75	58433	27.739	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	58433	71.891	ug/l #	10

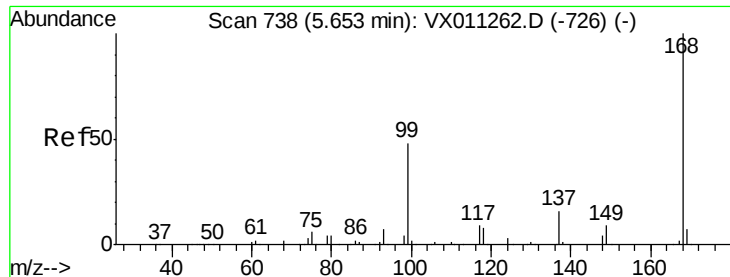
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

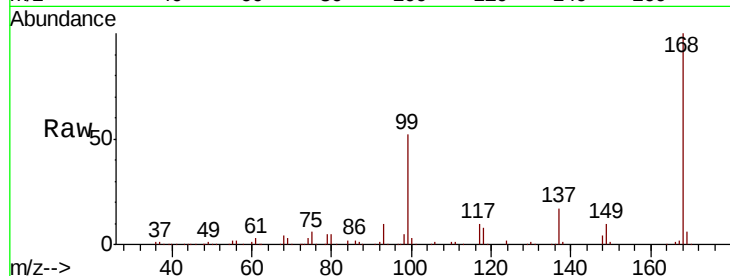
OUTFALL001-190806

Tgt Ion:168 Resp: 163204

Ion Ratio Lower Upper

168 100

99 52.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

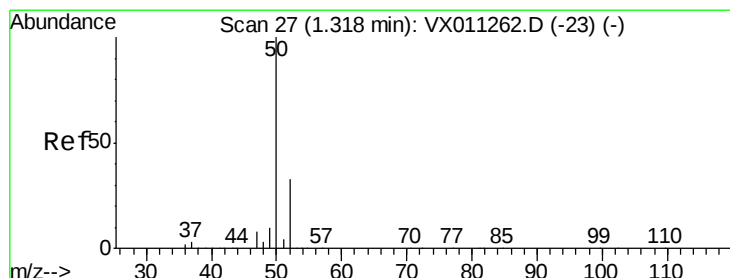
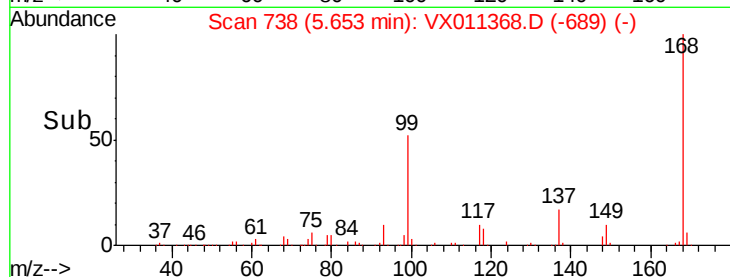
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.390 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011368.D

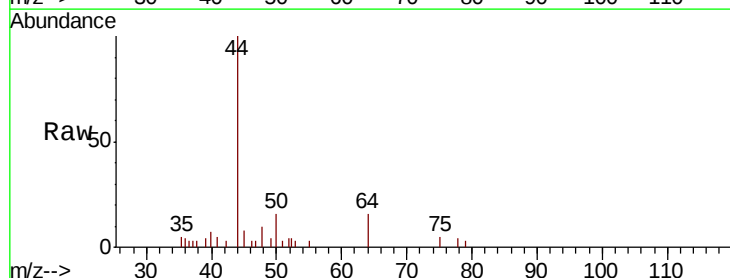
Acq: 07 Aug 2019 17:17

Tgt Ion: 50 Resp: 552

Ion Ratio Lower Upper

50 100

52 48.0 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

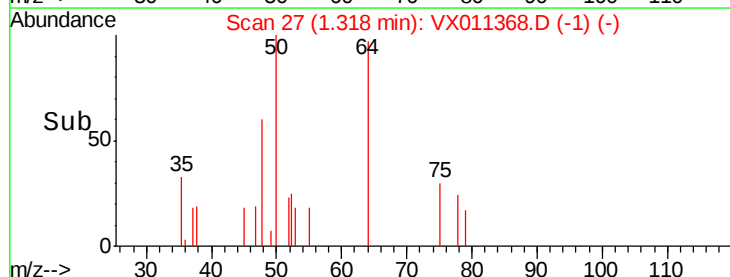
300

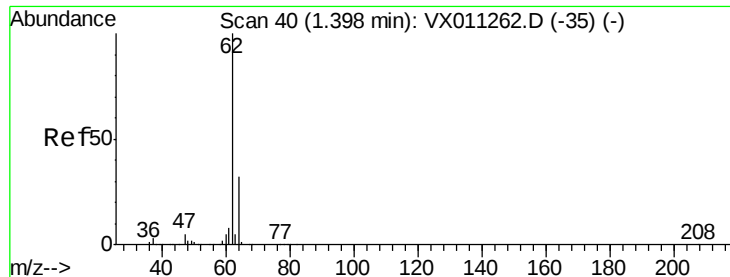
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.258 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

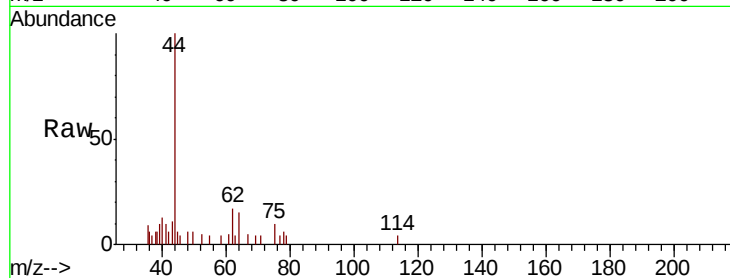
OUTFALL001-190806

Tgt Ion: 62 Resp: 402

Ion Ratio Lower Upper

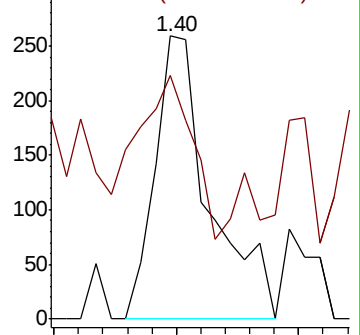
62 100

64 49.4 26.0 39.0#

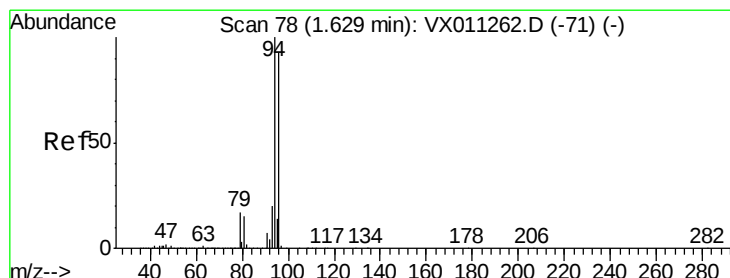
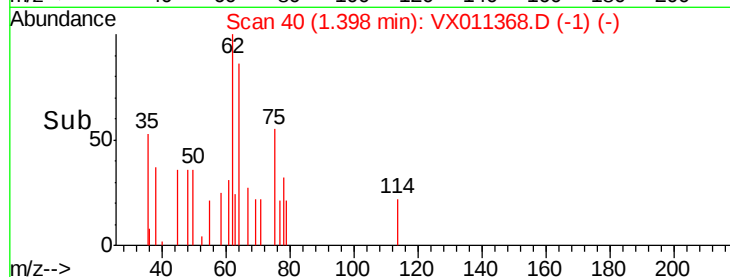


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 0.370 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.02 min

Lab File: VX011368.D

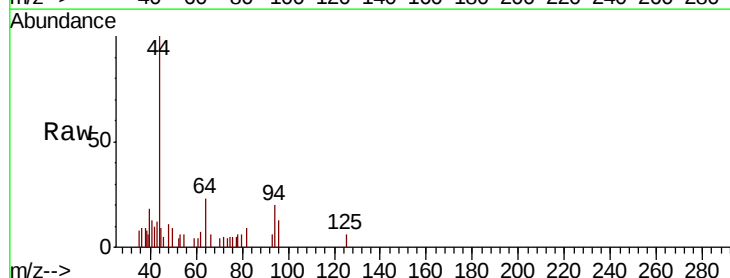
Acq: 07 Aug 2019 17:17

Tgt Ion: 94 Resp: 411

Ion Ratio Lower Upper

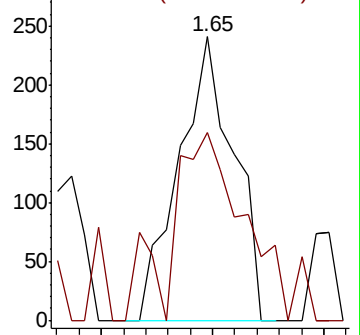
94 100

96 66.0 74.6 112.0#

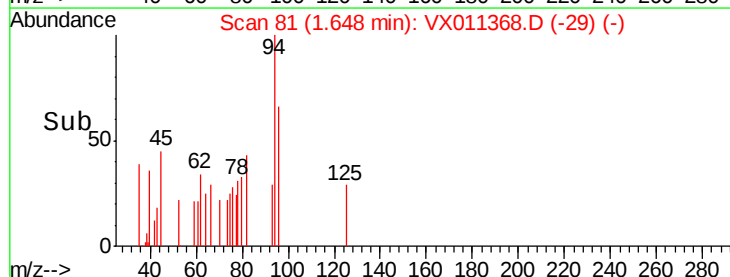


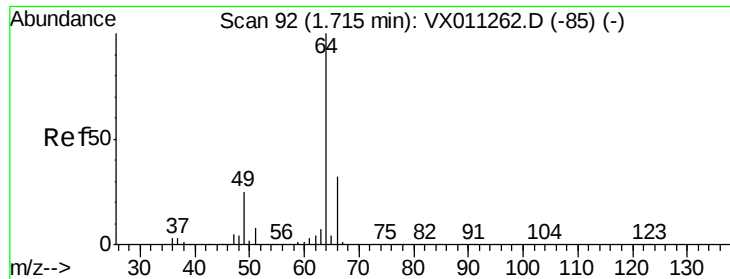
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

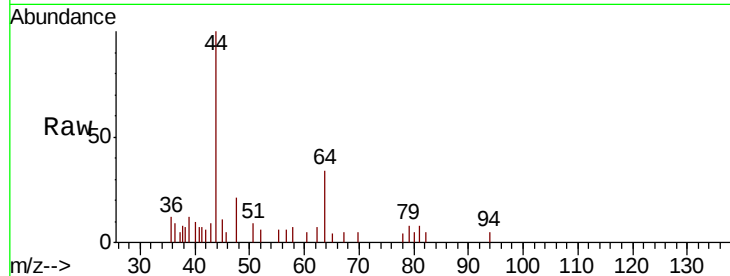
OUTFALL001-190806

Tgt Ion: 64 Resp: 227

Ion Ratio Lower Upper

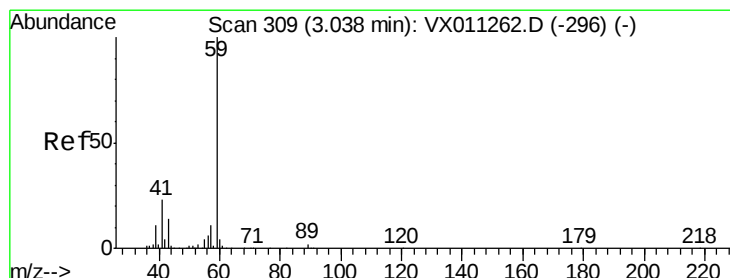
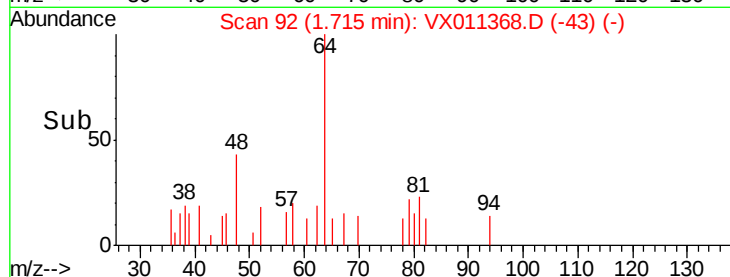
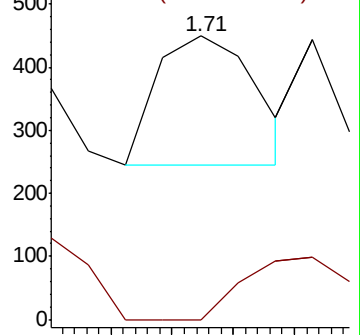
64 100

66 0.0 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.679 ug/l

RT: 3.04 min Scan# 309

Delta R.T. 0.00 min

Lab File: VX011368.D

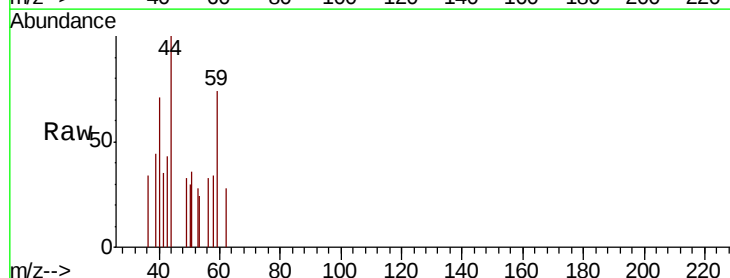
Acq: 07 Aug 2019 17:17

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

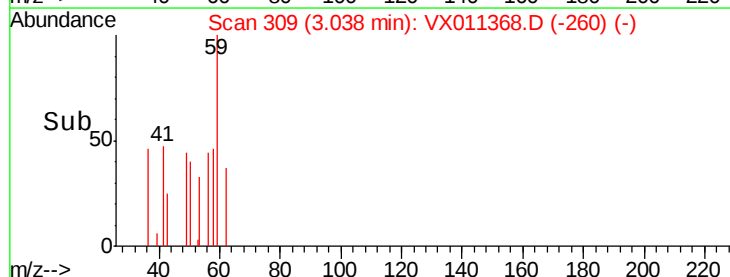
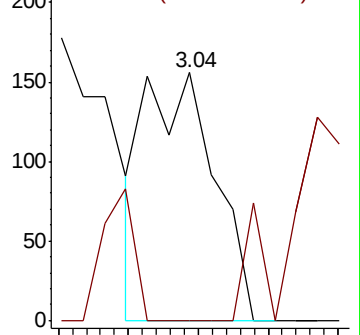
59 100

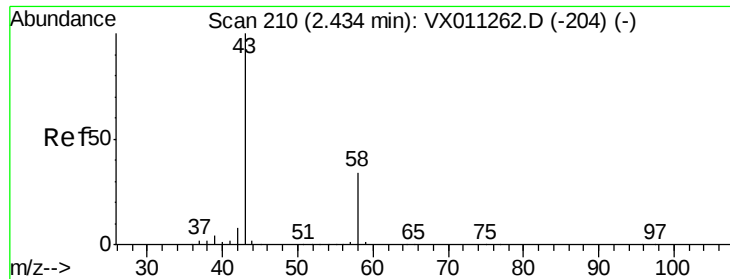
57 24.7 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 2.098 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

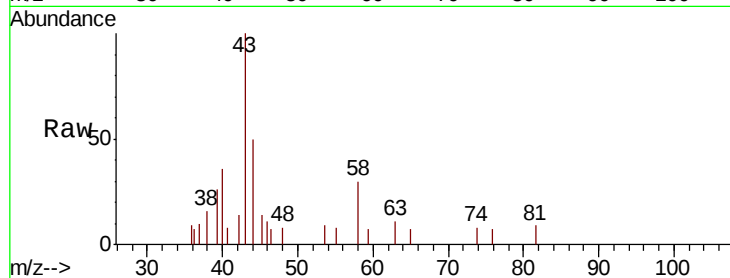
OUTFALL001-190806

Tgt Ion: 43 Resp: 1641

Ion Ratio Lower Upper

43 100

58 29.8 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

800

600

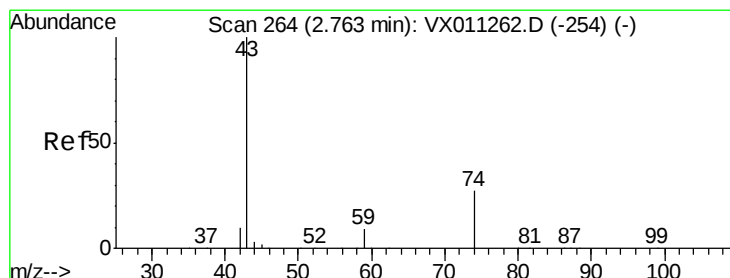
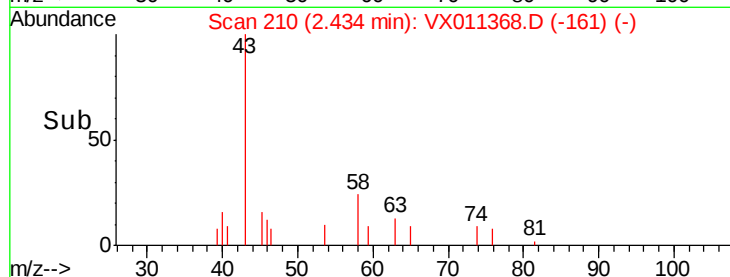
400

200

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 0.300 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX011368.D

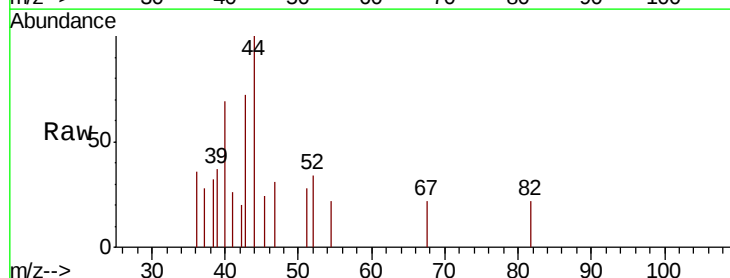
Acq: 07 Aug 2019 17:17

Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

74 4.8 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

200

150

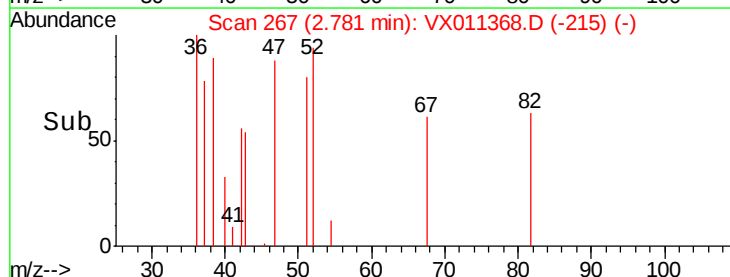
100

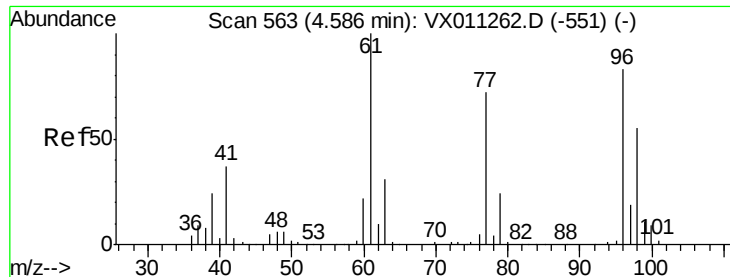
50

0

2.70 2.75 2.80

Time-->



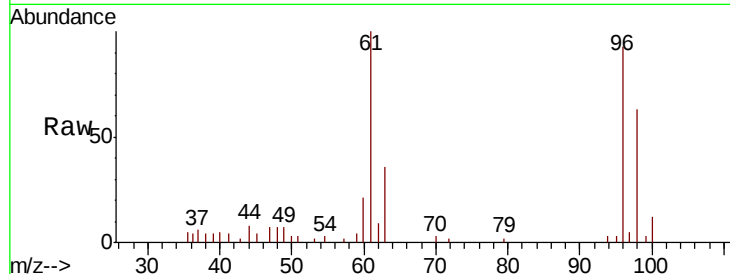


#27

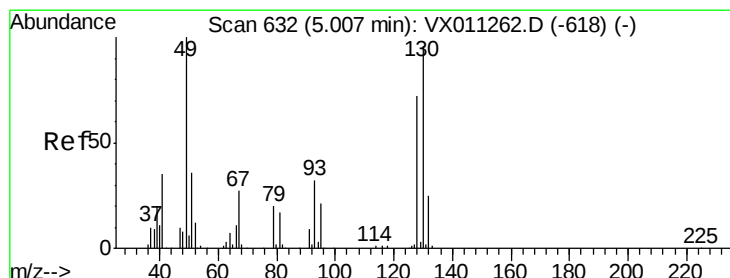
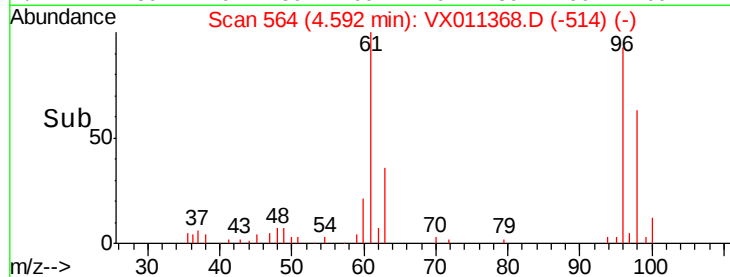
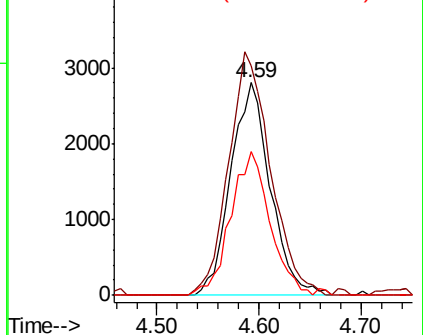
cis-1,2-Dichloroethene
 Concen: 4.160 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.01 min
 Lab File: VX011368.D
 Acq: 07 Aug 2019 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190806

Tgt Ion: 96 Resp: 7527
 Ion Ratio Lower Upper
 96 100
 61 121.4 0.0 260.2
 98 67.1 0.0 133.2



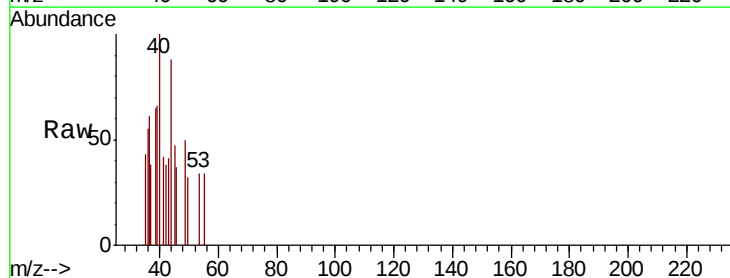
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



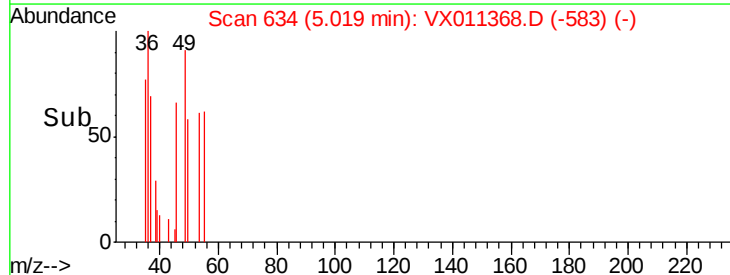
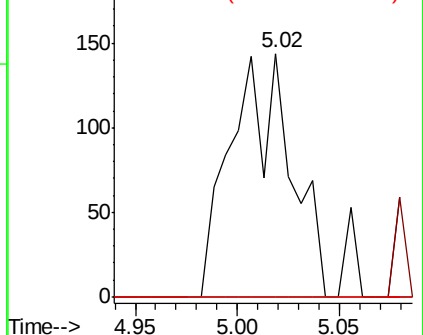
#28

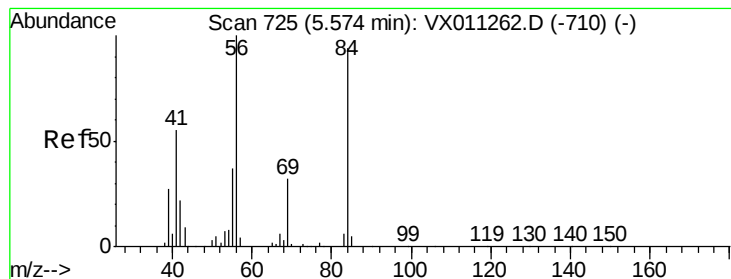
Bromochloromethane
 Concen: 0.250 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX011368.D
 Acq: 07 Aug 2019 17:17

Tgt Ion: 49 Resp: 292
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 5.8
 130 0.0 77.9 116.9#



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: 1.597 ug/l

RT: 5.65 min Scan# 737

Delta R.T. 0.07 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190806

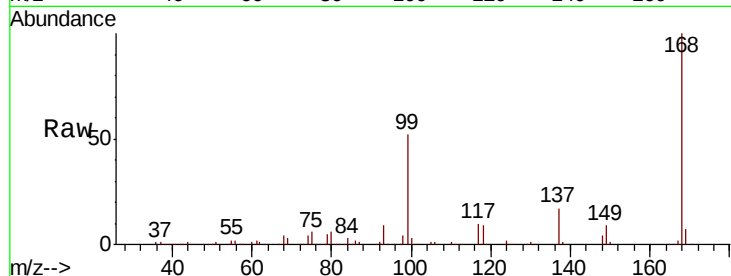
Tgt Ion: 56 Resp: 3381

Ion Ratio Lower Upper

56 100

69 136.5 25.5 38.3#

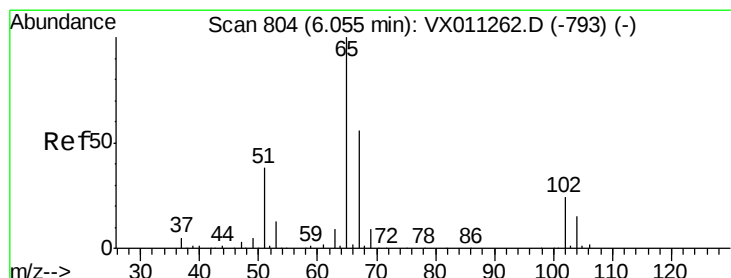
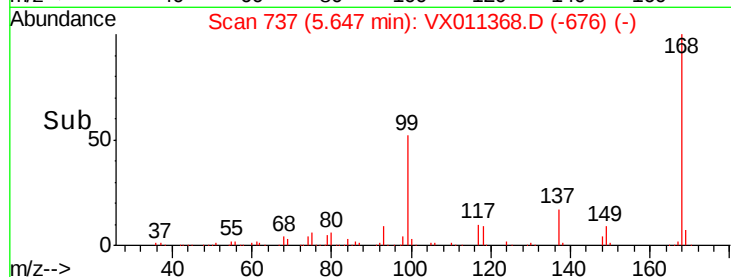
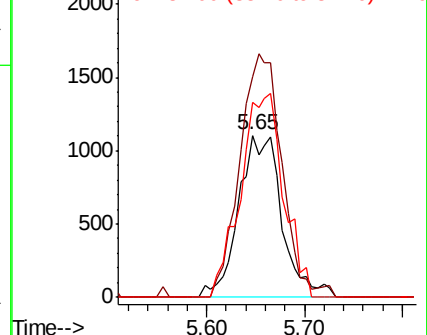
84 120.1 75.0 112.4#



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: 56.911 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011368.D

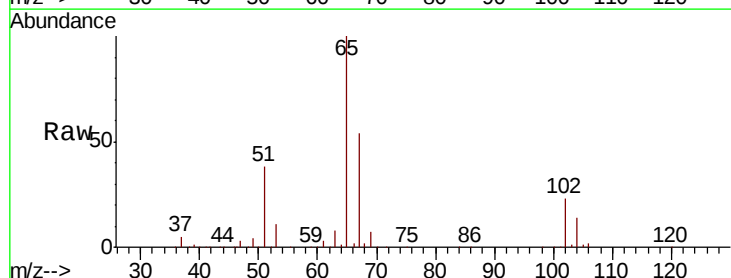
Acq: 07 Aug 2019 17:17

Tgt Ion: 65 Resp: 93537

Ion Ratio Lower Upper

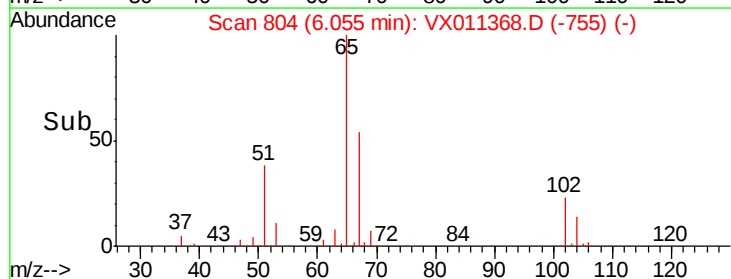
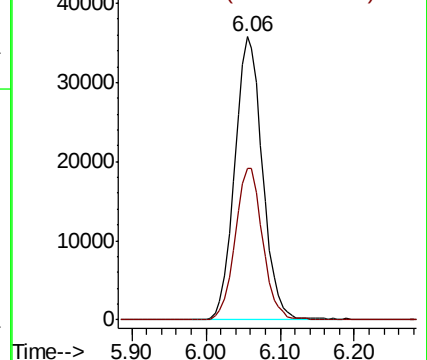
65 100

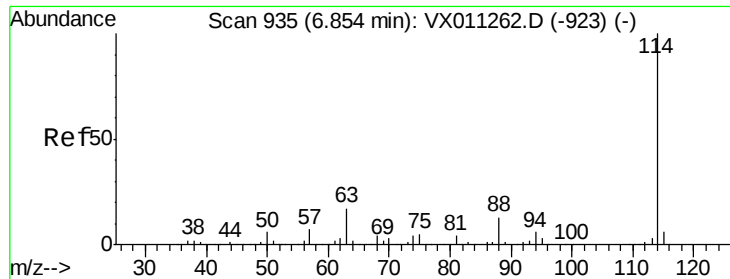
67 53.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

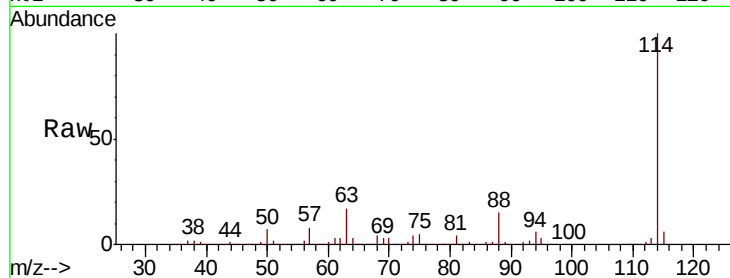




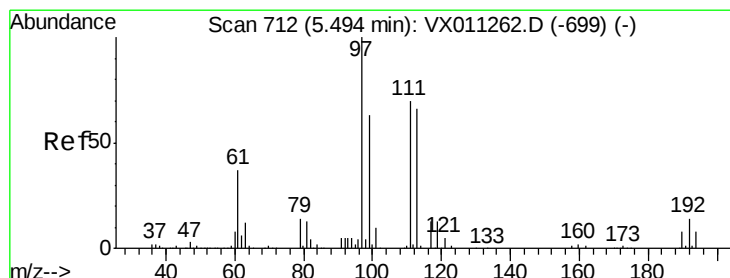
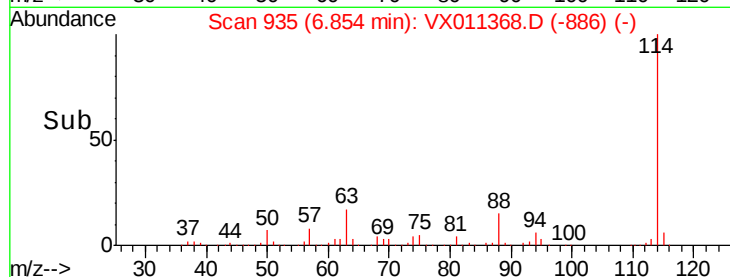
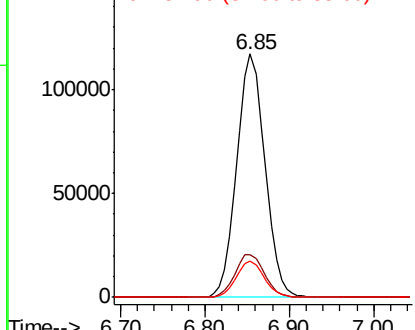
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011368.D
 Acq: 07 Aug 2019 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190806

Tgt Ion:114 Resp: 264477
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 34.0
 88 14.7 0.0 26.4

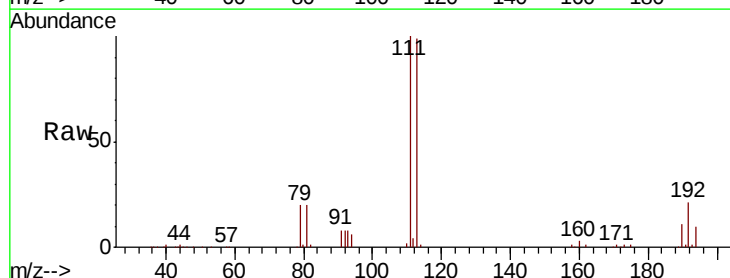


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

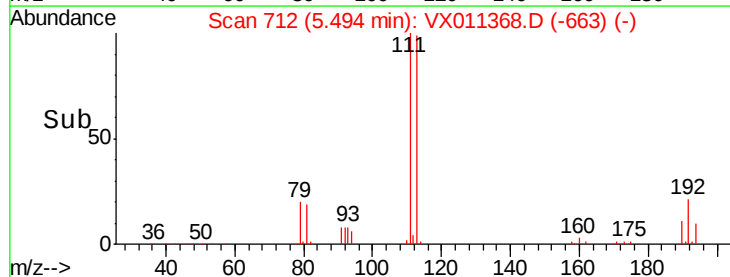
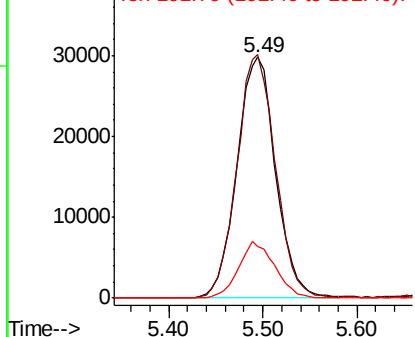


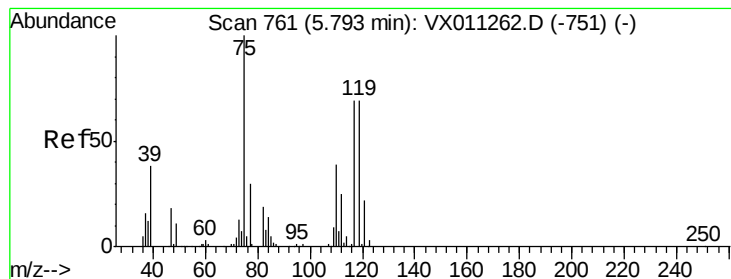
#35
 Dibromofluoromethane
 Concen: 49.629 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011368.D
 Acq: 07 Aug 2019 17:17

Tgt Ion:113 Resp: 85695
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.9 122.9
 192 22.1 17.8 26.8



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: 4.659 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-190806

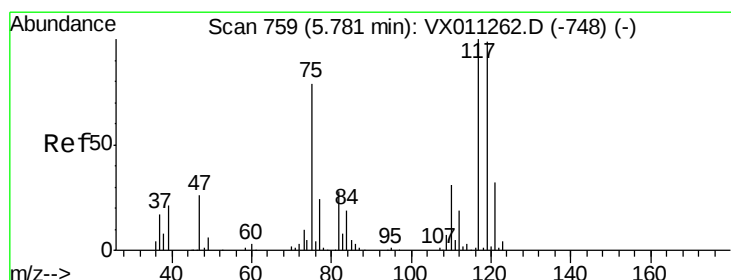
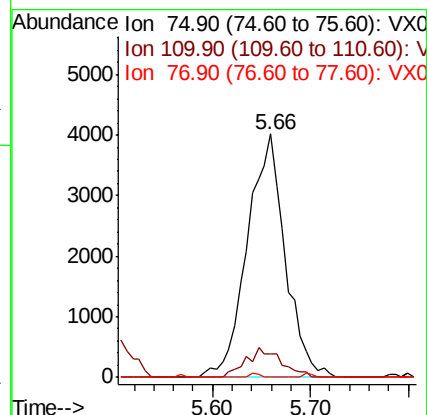
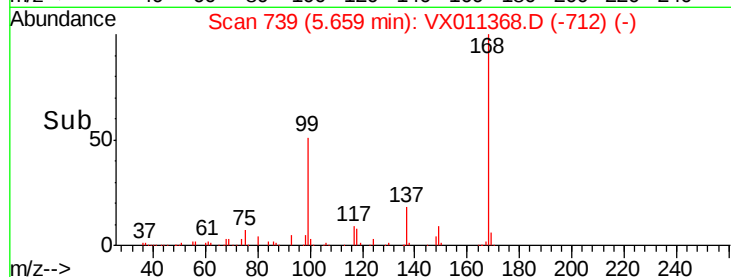
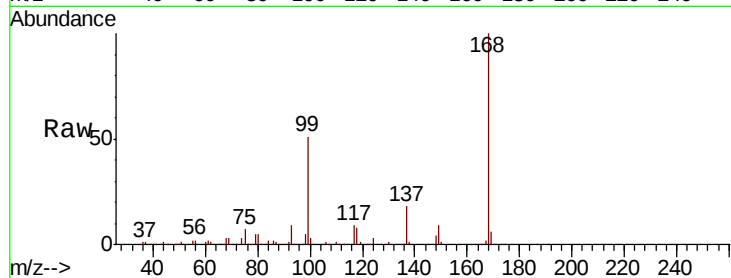
Tgt Ion: 75 Resp: 10758

Ion Ratio Lower Upper

75 100

110 11.4 20.0 59.9#

77 0.4 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX011368.D

Acq: 07 Aug 2019 17:17

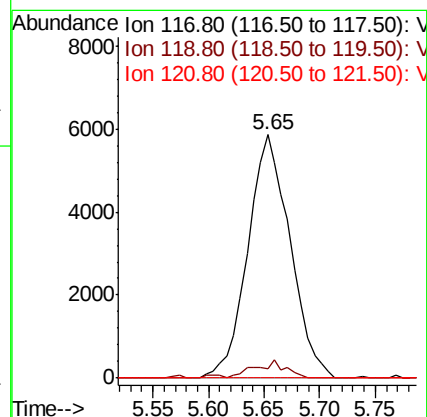
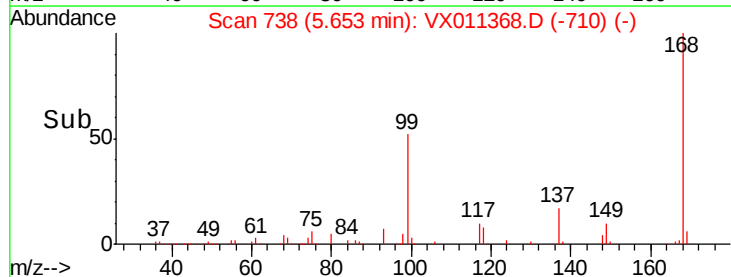
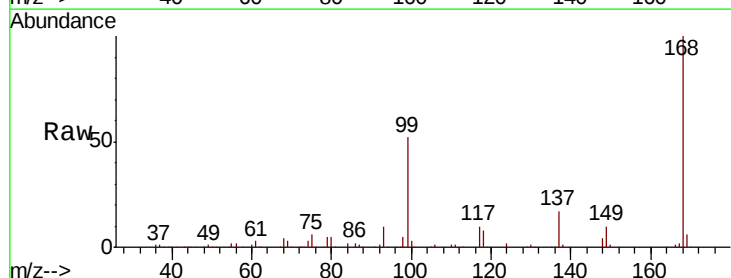
Tgt Ion: 117 Resp: 15464

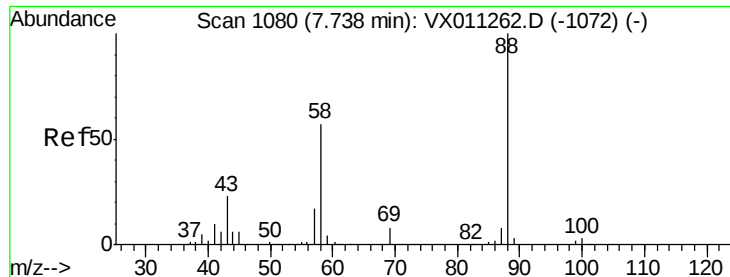
Ion Ratio Lower Upper

117 100

119 4.0 79.0 118.4#

121 0.0 25.9 38.9#

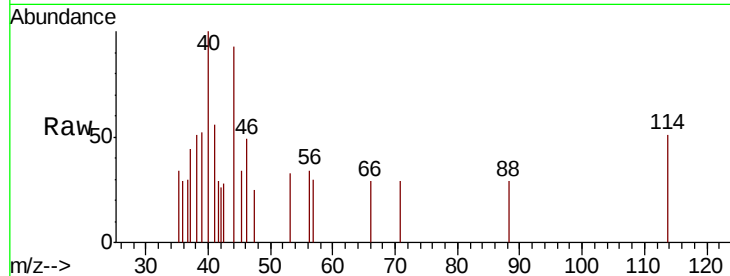




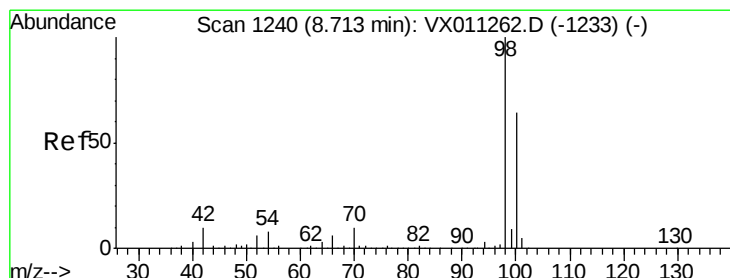
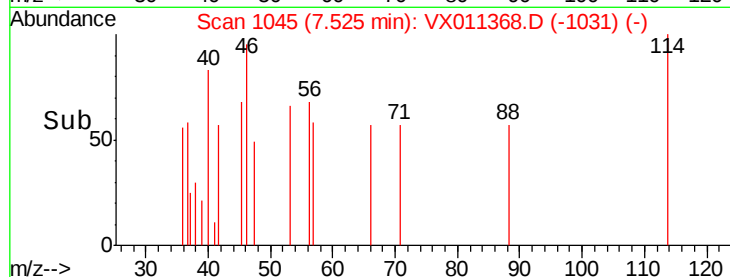
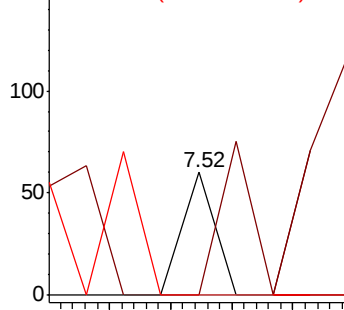
#49
1,4-Dioxane
Concen: 0.435 ug/l
RT: 7.52 min Scan# 1045
Delta R.T. -0.21 min
Lab File: VX011368.D
Acq: 07 Aug 2019 17:17

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190806

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.2#
58 0.0 47.8 71.8#

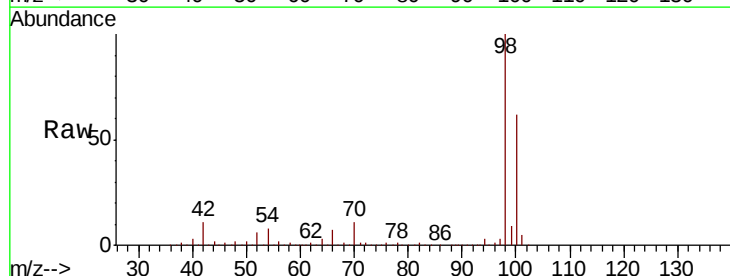


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

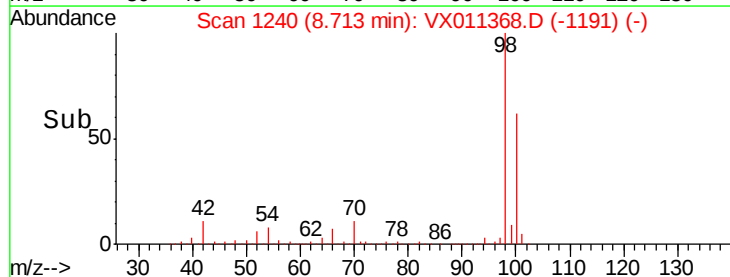
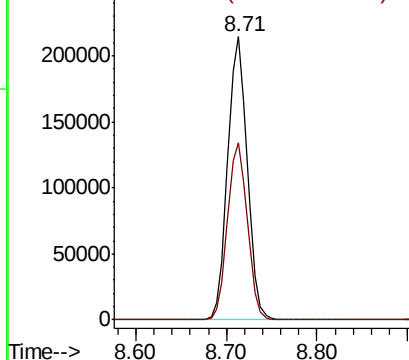


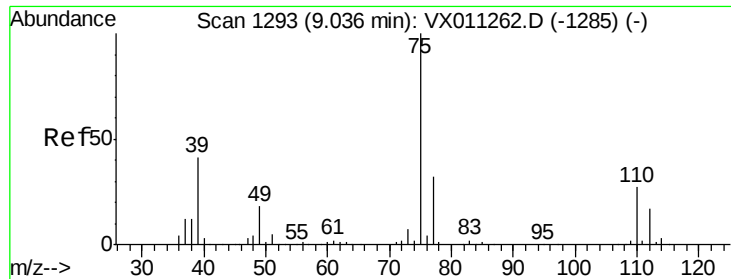
#50
Toluene-d8
Concen: 49.544 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011368.D
Acq: 07 Aug 2019 17:17

Tgt Ion: 98 Resp: 322919
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

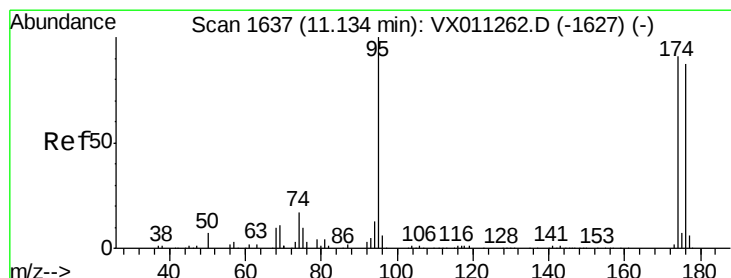
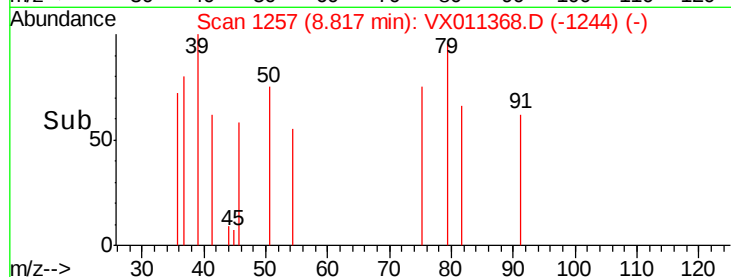
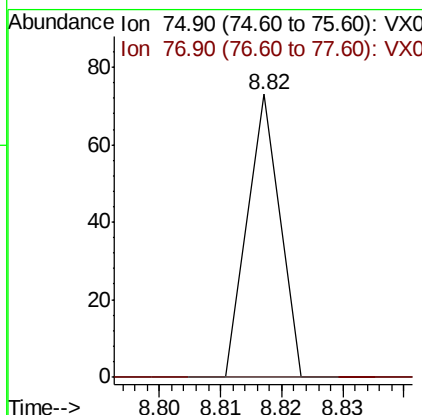
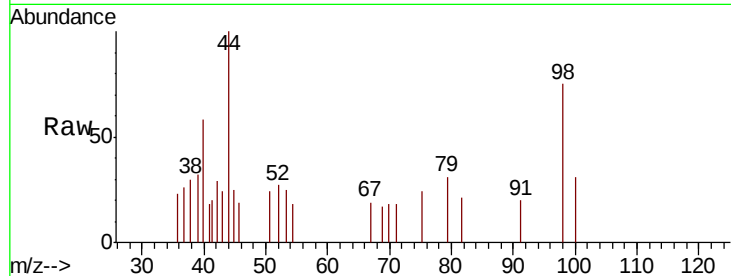




#53
t-1,3-Dichloropropene
Concen: 2.848 ug/l
RT: 8.82 min Scan# 1257
Delta R.T. -0.22 min
Lab File: VX011368.D
Acq: 07 Aug 2019 17:17

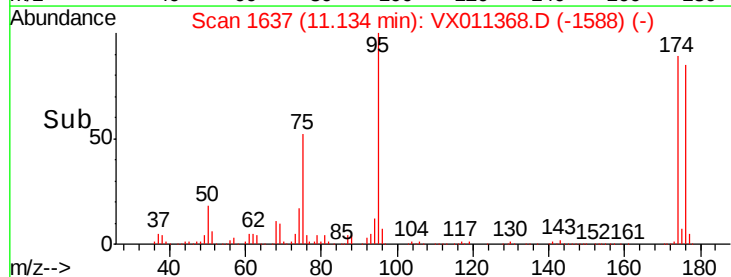
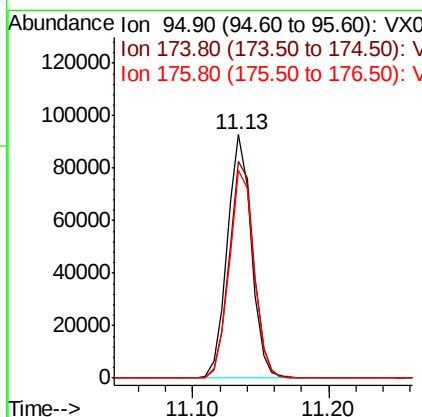
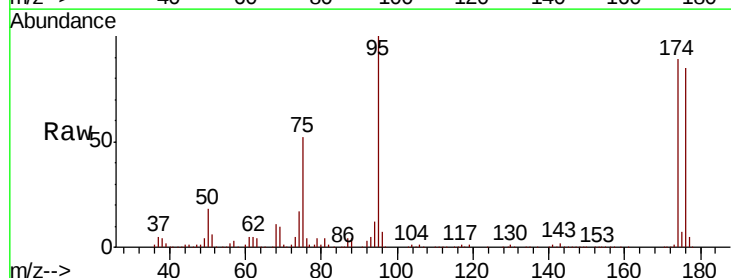
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190806

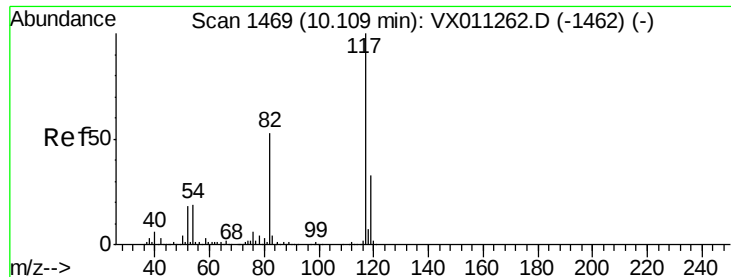
Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#



#62
4-Bromofluorobenzene
Concen: 49.044 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011368.D
Acq: 07 Aug 2019 17:17

Tgt Ion: 95 Resp: 114127
Ion Ratio Lower Upper
95 100
174 91.8 0.0 191.2
176 87.9 0.0 184.8

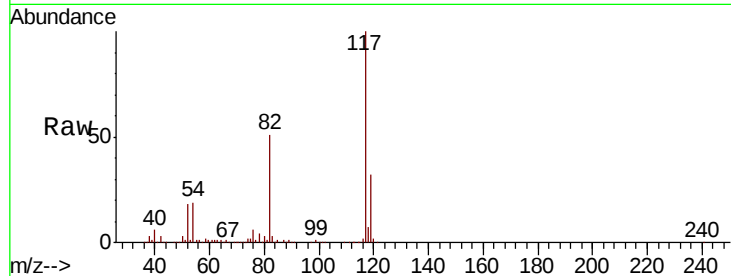




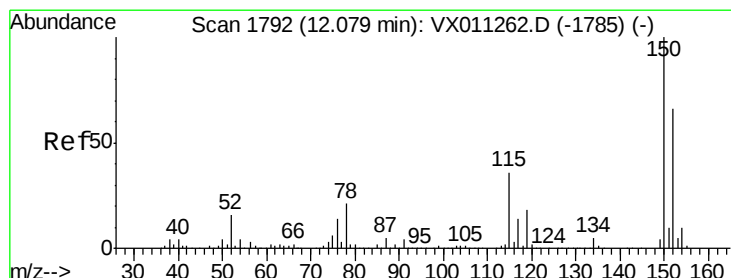
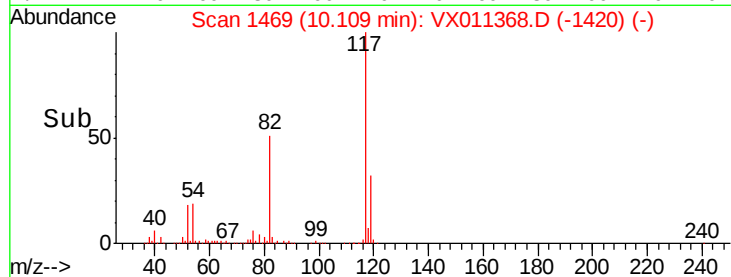
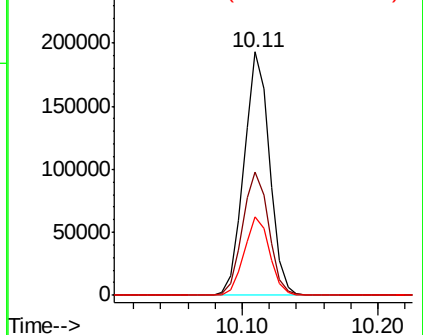
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011368.D
Acq: 07 Aug 2019 17:17

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-190806

Tgt Ion:117 Resp: 252733
Ion Ratio Lower Upper
117 100
82 50.6 42.2 63.2
119 32.4 26.6 39.8

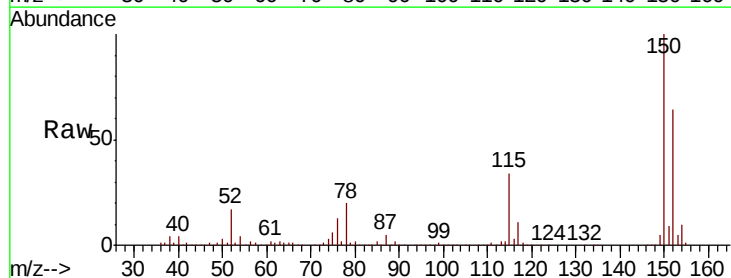


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

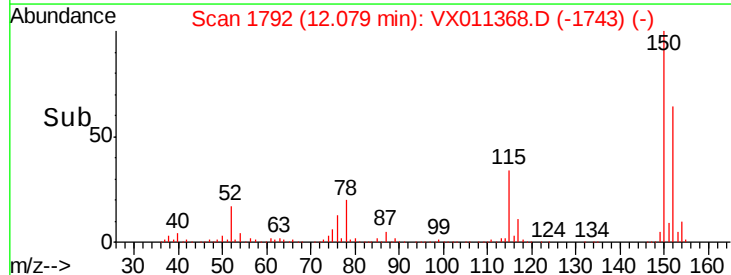
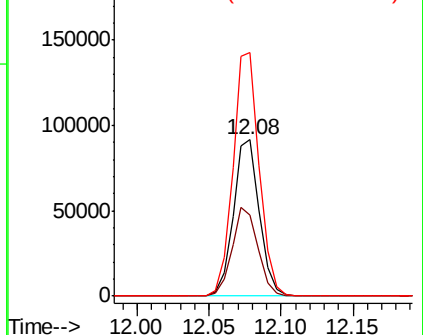


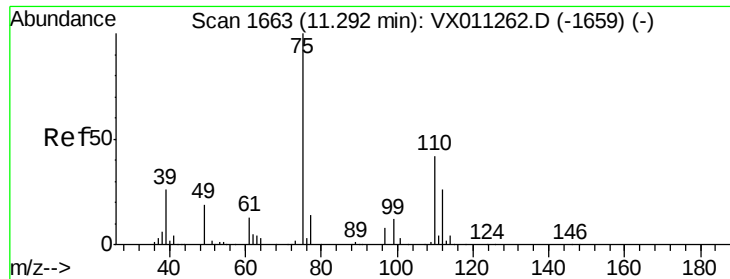
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX011368.D
Acq: 07 Aug 2019 17:17

Tgt Ion:152 Resp: 115673
Ion Ratio Lower Upper
152 100
115 56.6 40.0 119.9
150 157.1 0.0 350.4



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

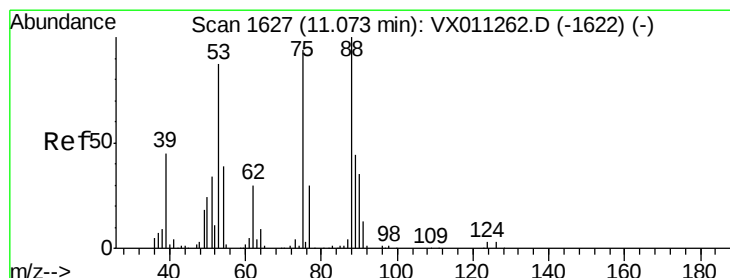
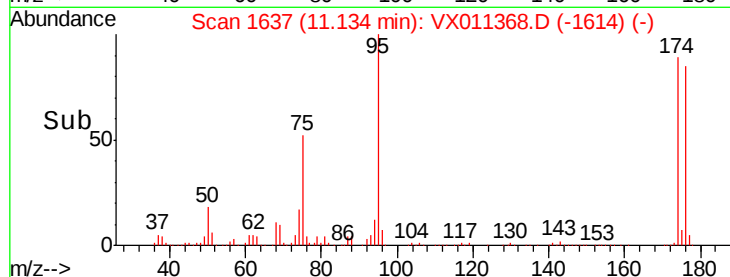
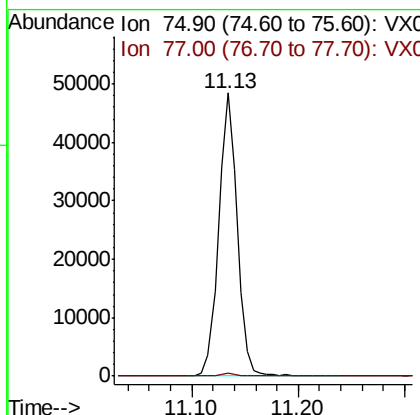
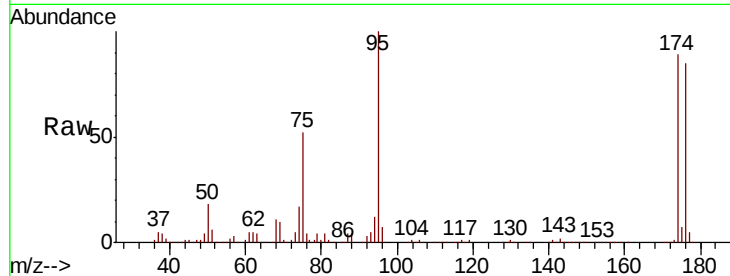




#76
 1,2,3-Trichloropropane
 Concen: 27.739 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX011368.D
 Acq: 07 Aug 2019 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-190806

Tgt Ion: 75 Resp: 58433
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.1 63.4#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.891 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX011368.D
 Acq: 07 Aug 2019 17:17

Tgt Ion: 75 Resp: 58433
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.1 37.9 56.9#

