

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121819\
 Data File : VX014095.D
 Acq On : 18 Dec 2019 14:37
 Operator : JC/SP
 Sample : K6365-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-191217

Quant Time: Dec 19 02:59:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	554593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	849112	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	751711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	315120	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	306916	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	5.49	113	255382	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.71	98	996453	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.13	95	327600	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	

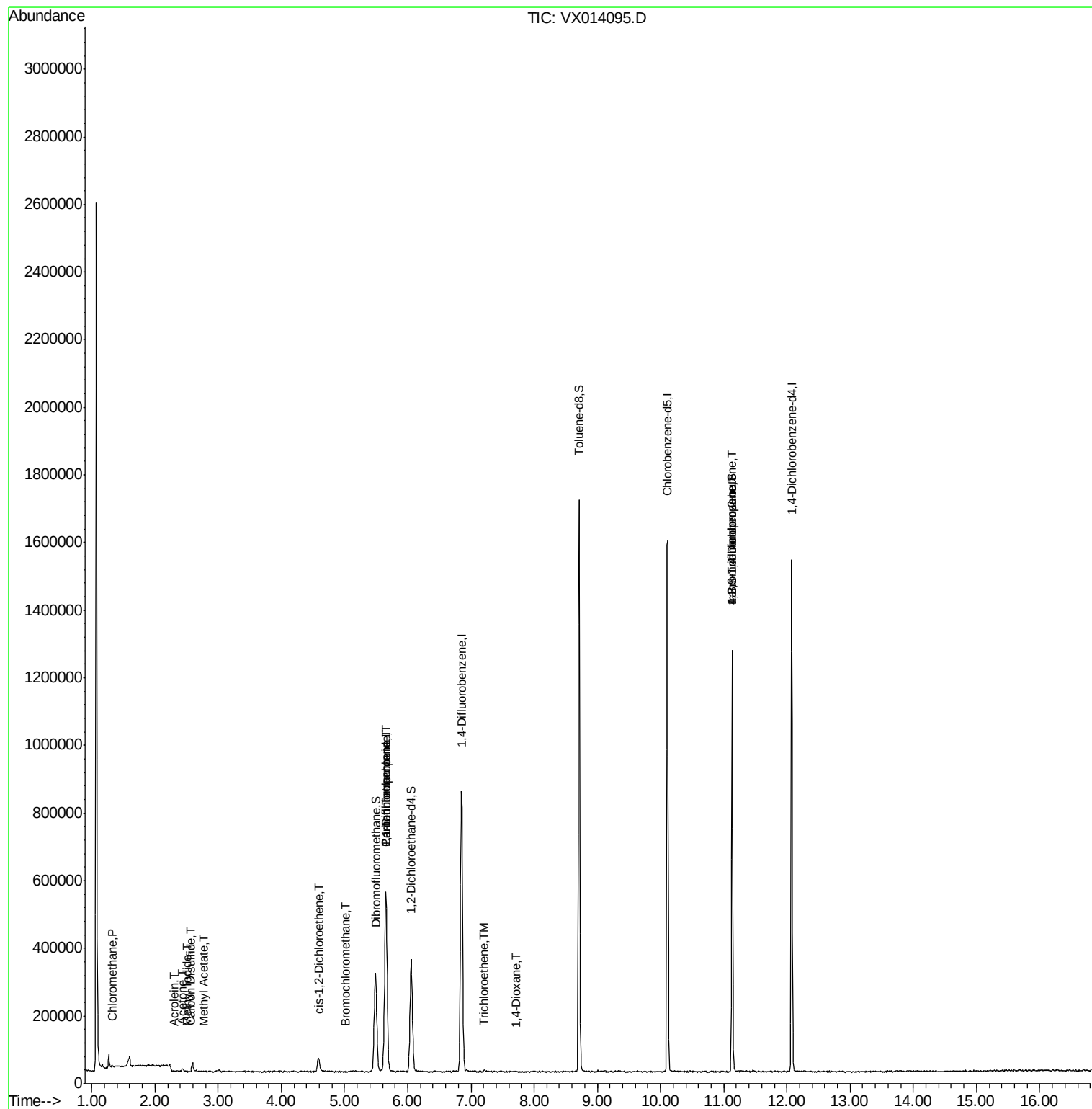
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	4568	0.686	ug/l	99
10) Methyl Iodide	2.50	142	817	2.733	ug/l #	62
13) Acrolein	2.30	56	166	0.214	ug/l #	1
16) Acetone	2.44	43	8319	2.039	ug/l	98
17) Carbon Disulfide	2.56	76	936	0.812	ug/l #	81
18) Methyl Acetate	2.76	43	1865	0.231	ug/l #	85
27) cis-1,2-Dichloroethene	4.59	96	25492	3.835	ug/l	89
28) Bromochloromethane	5.02	49	296	0.526	ug/l #	6
36) 1,1-Dichloropropene	5.65	75	36913	4.738	ug/l #	50
38) Carbon Tetrachloride	5.65	117	48372	6.815	ug/l #	18
44) Trichloroethene	7.21	130	2672	0.404	ug/l	73
49) 1,4-Dioxane	7.72	88	142	1.001	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	158566	23.178	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	158566	65.421	ug/l #	11

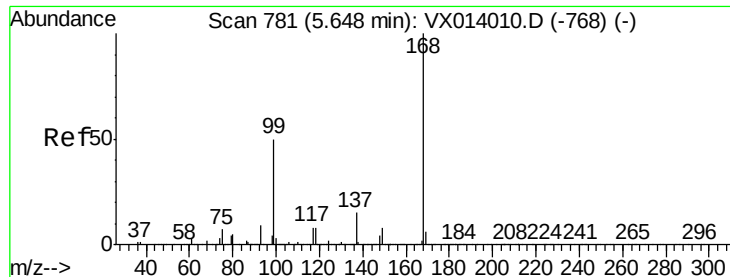
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

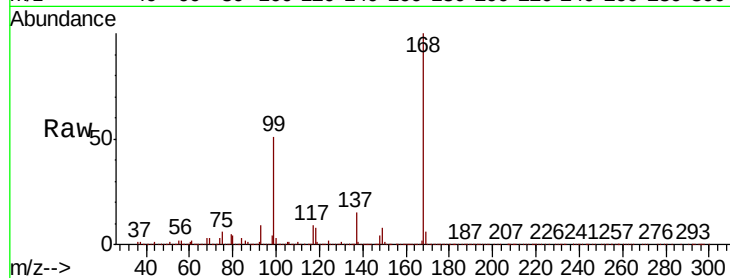
OUTFALL001-191217

Tot Ion:168 Resp: 554593

Ion Ratio Lower Upper

168 100

99 50.5 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

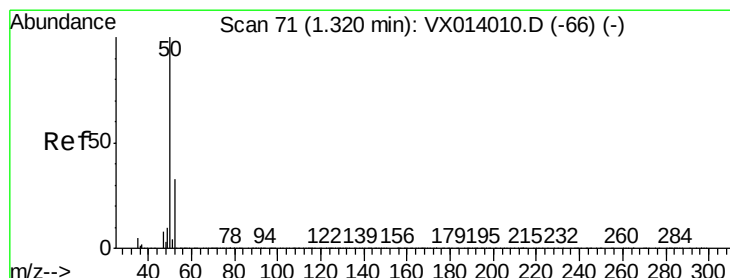
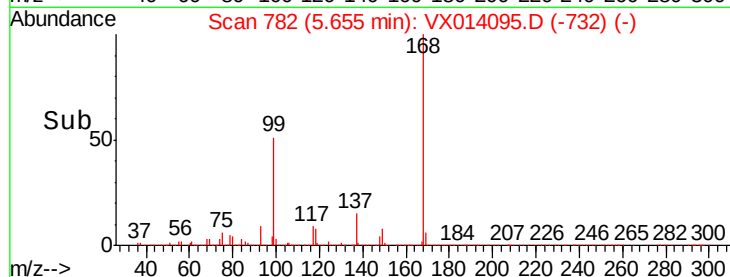
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.686 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX014095.D

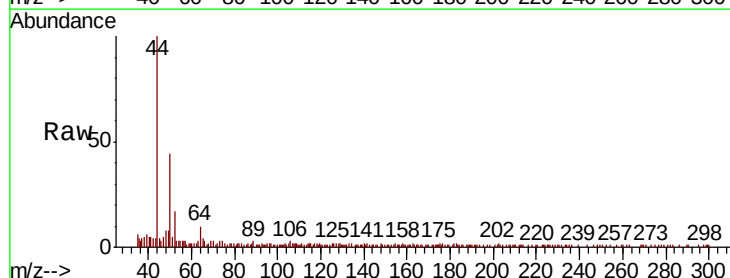
Acq: 18 Dec 2019 14:37

Tgt Ion: 50 Resp: 4568

Ion Ratio Lower Upper

50 100

52 33.6 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

5000

4000

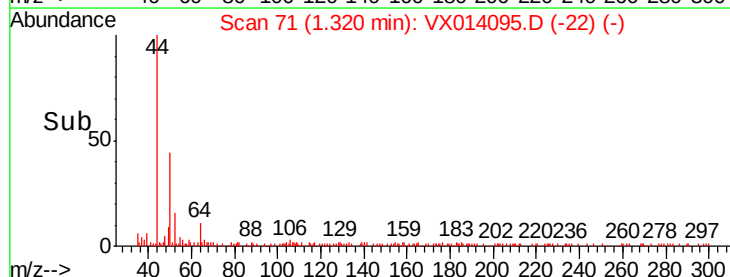
3000

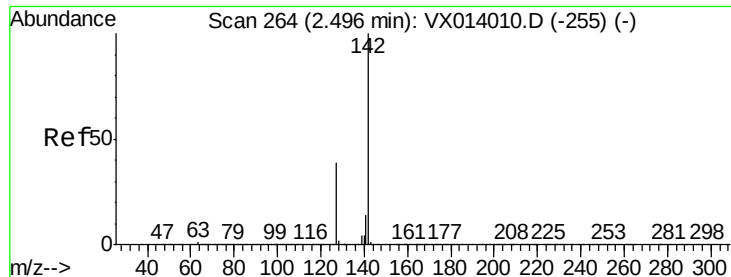
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1000

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Time-->

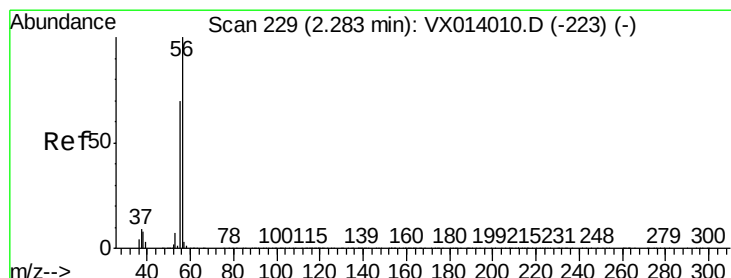
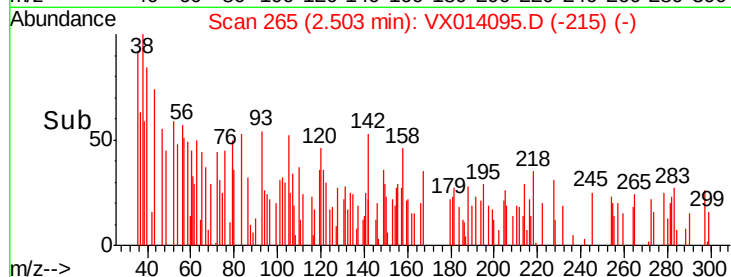
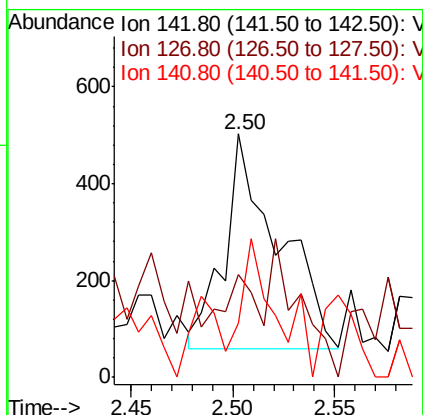
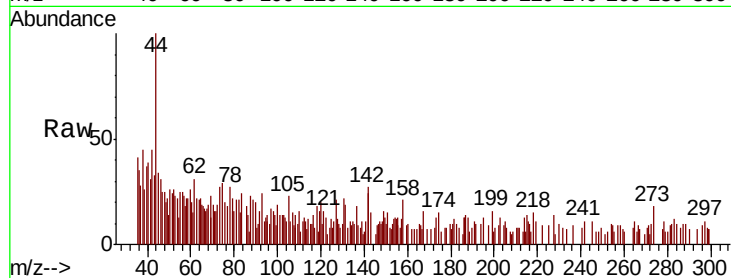




#10
Methvl Iodide
Concen: 2.733 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX014095.D
Acq: 18 Dec 2019 14:37

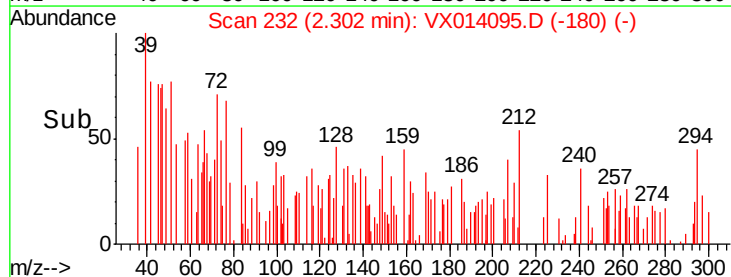
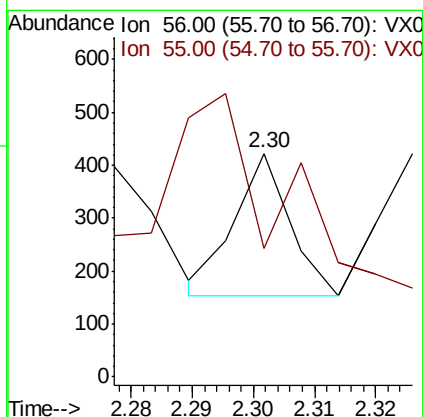
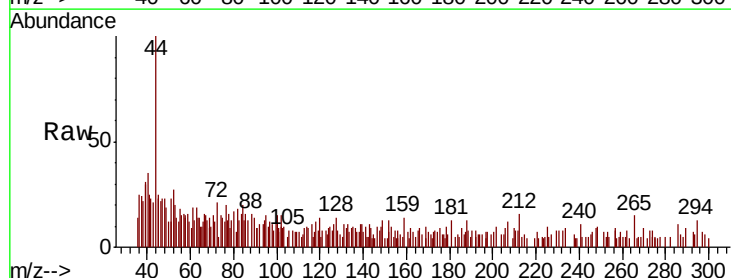
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-191217

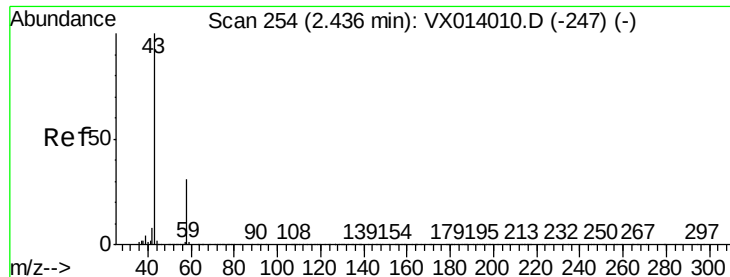
Tot Ion:142 Resp: 817
Ion Ratio Lower Upper
142 100
127 16.4 31.6 47.4#
141 29.9 11.6 17.4#



#13
Acrolein
Concen: 0.214 ug/l
RT: 2.30 min Scan# 232
Delta R.T. 0.02 min
Lab File: VX014095.D
Acq: 18 Dec 2019 14:37

Tgt Ion: 56 Resp: 166
Ion Ratio Lower Upper
56 100
55 282.5 56.9 85.3#





#16

Acetone

Concen: 2.039 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

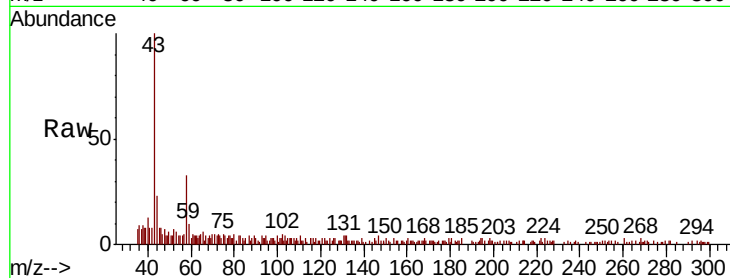
OUTFALL001-191217

Tot Ion: 43 Resp: 8319

Ion Ratio Lower Upper

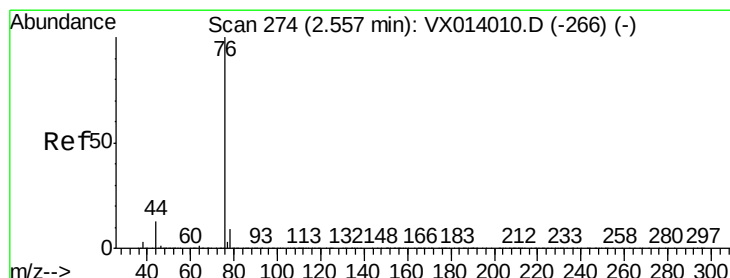
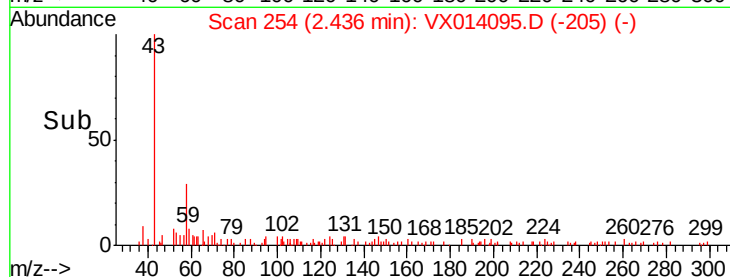
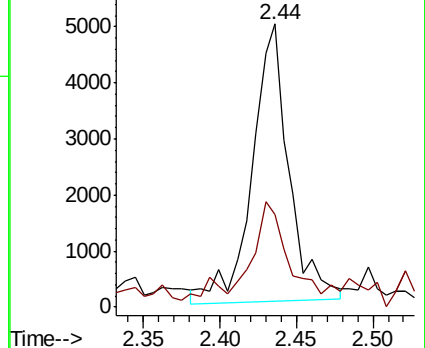
43 100

58 30.0 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.812 ug/l

RT: 2.56 min Scan# 275

Delta R.T. 0.01 min

Lab File: VX014095.D

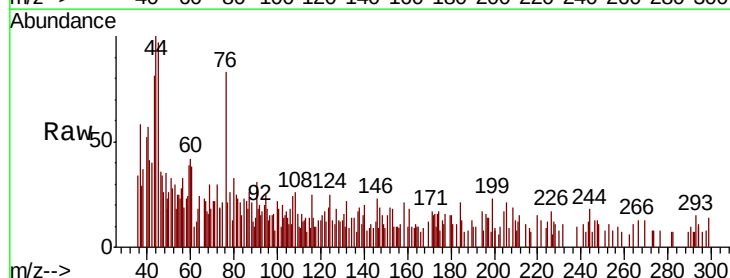
Acq: 18 Dec 2019 14:37

Tgt Ion: 76 Resp: 936

Ion Ratio Lower Upper

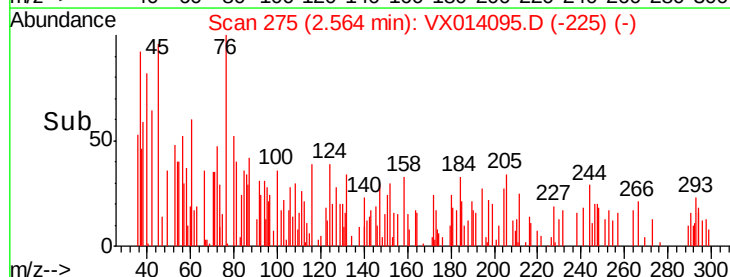
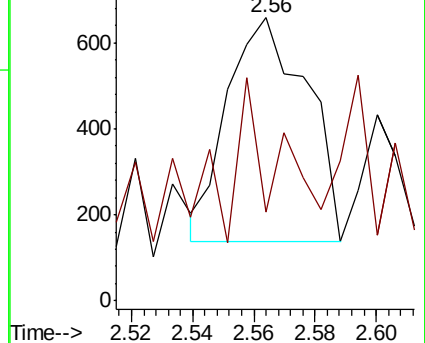
76 100

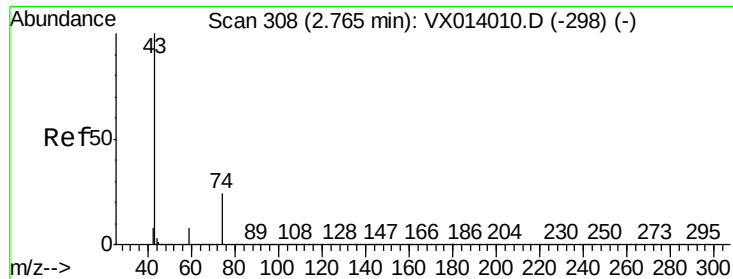
78 2.1 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

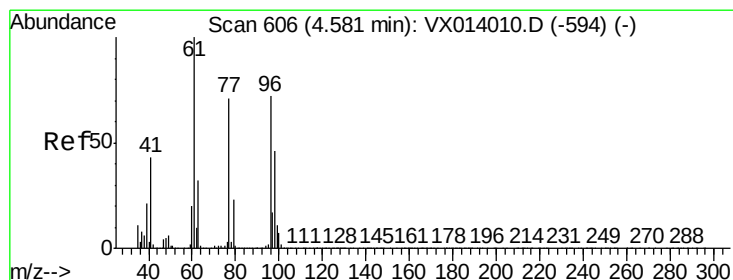
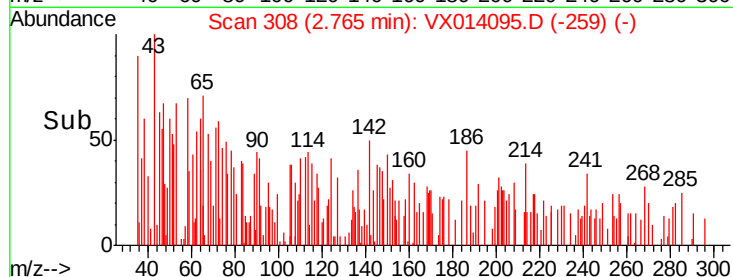
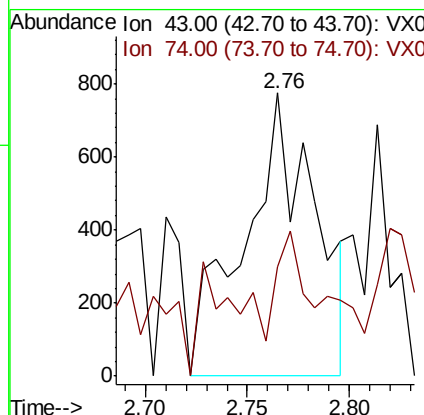
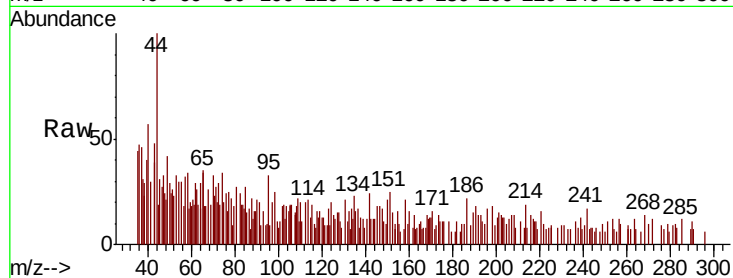




#18
Methyl Acetate
Concen: 0.231 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014095.D
Acq: 18 Dec 2019 14:37

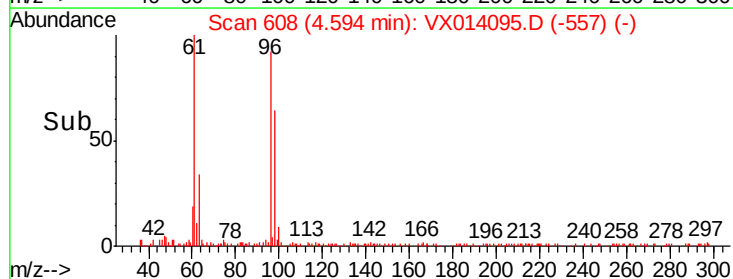
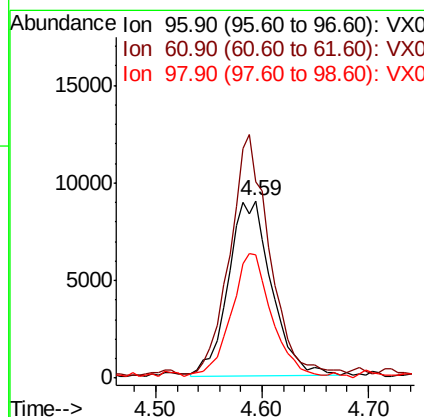
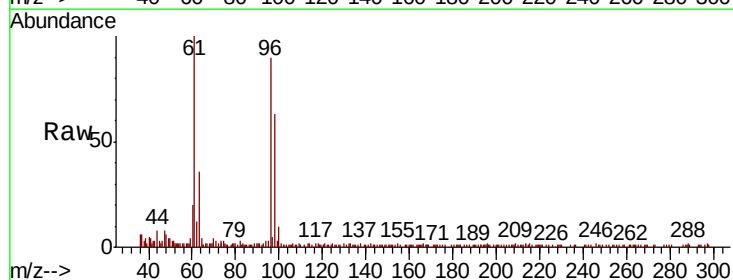
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-191217

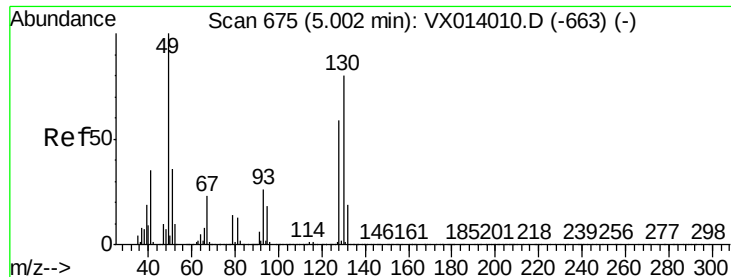
Tot Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
74 16.7 19.5 29.3#



#27
cis-1,2-Dichloroethene
Concen: 3.835 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX014095.D
Acq: 18 Dec 2019 14:37

Tgt Ion: 96 Resp: 25492
Ion Ratio Lower Upper
96 100
61 124.3 0.0 288.4
98 65.2 0.0 129.6





#28

Bromochloromethane

Concen: 0.526 ug/l

RT: 5.02 min Scan# 678

Delta R.T. 0.02 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-191217

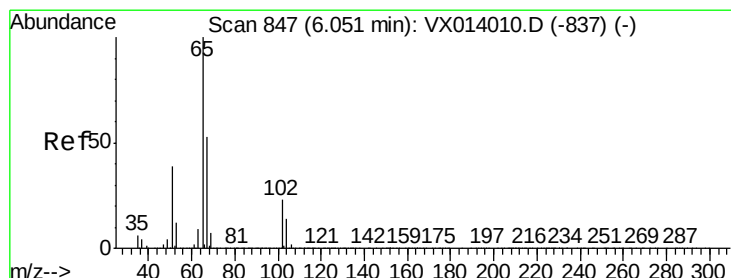
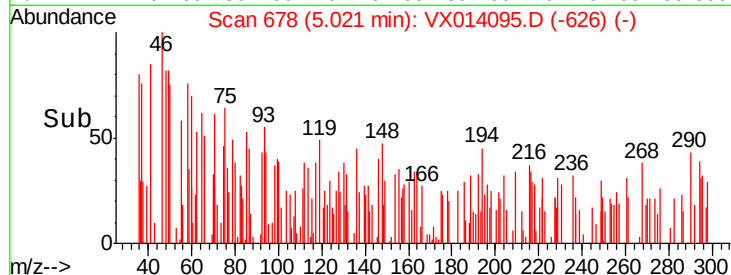
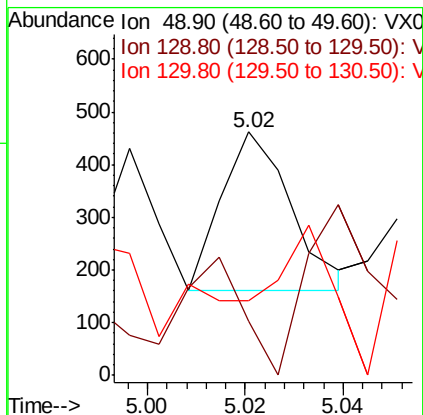
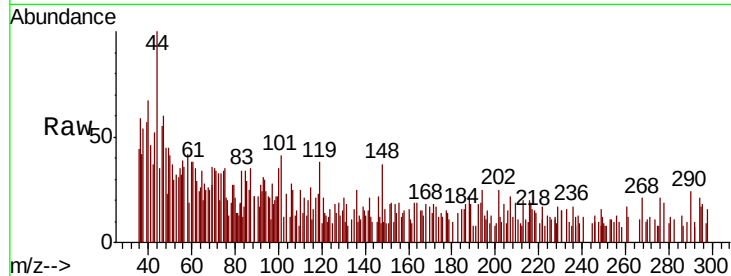
Tot Ion: 49 Resp: 296

Ion Ratio Lower Upper

49 100

129 61.1 0.0 5.0#

130 0.0 64.6 97.0#



#33

1,2-Dichloroethane-d4

Concen: 48.829 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014095.D

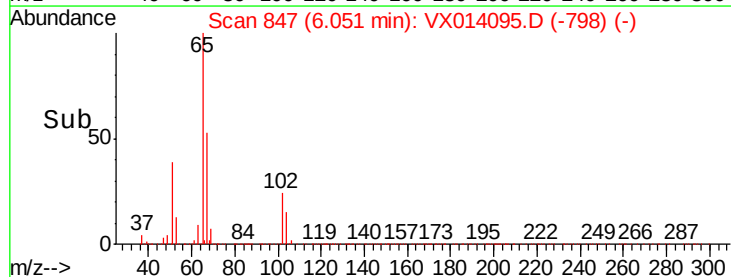
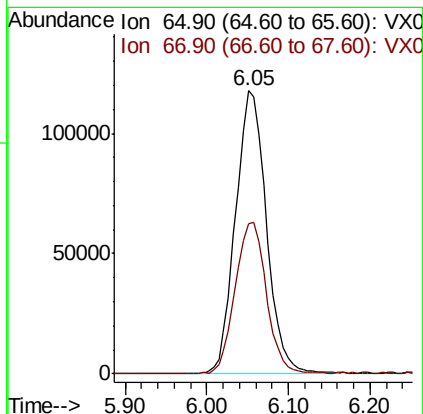
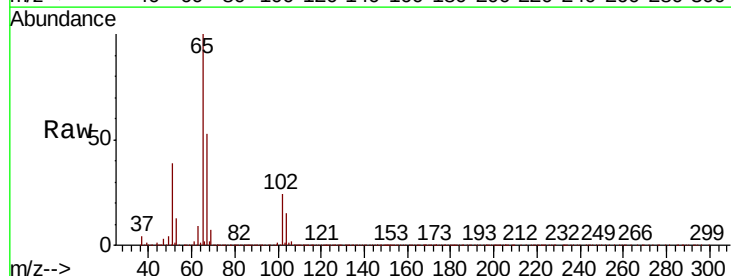
Acq: 18 Dec 2019 14:37

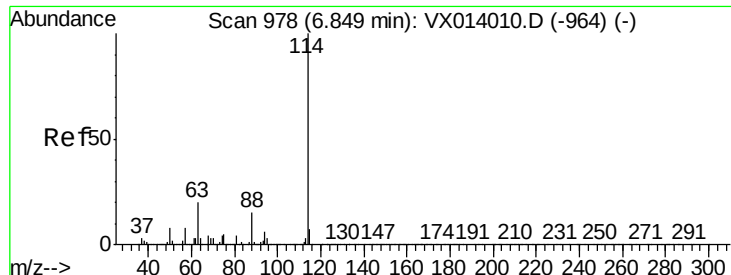
Tgt Ion: 65 Resp: 306916

Ion Ratio Lower Upper

65 100

67 54.8 0.0 106.4

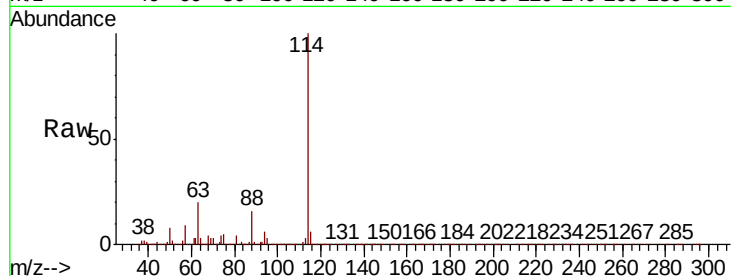




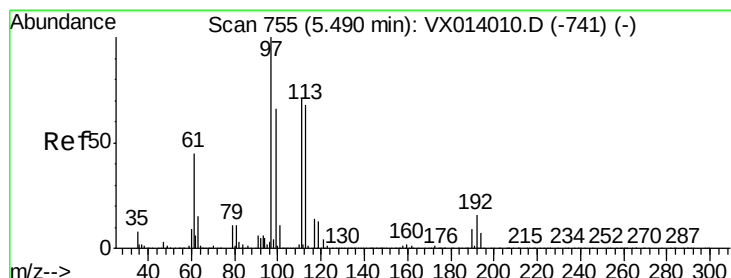
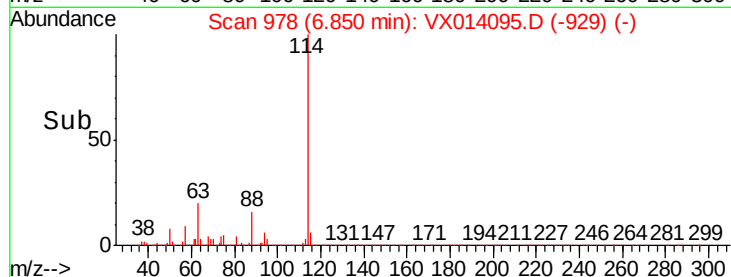
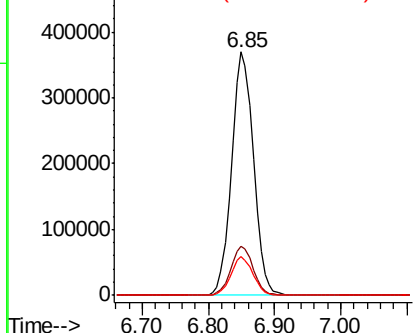
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014095.D
 Acq: 18 Dec 2019 14:37

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-191217

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.8
88	15.7	0.0	30.4

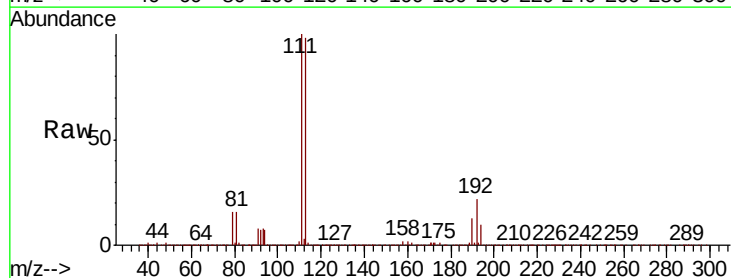


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

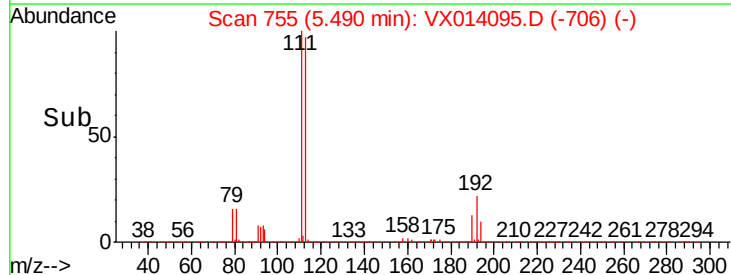
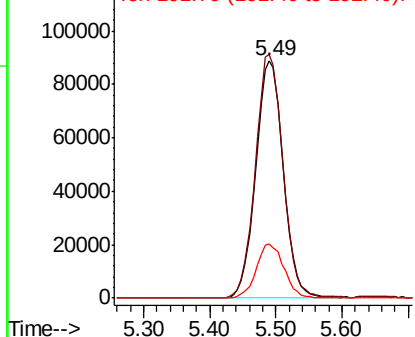


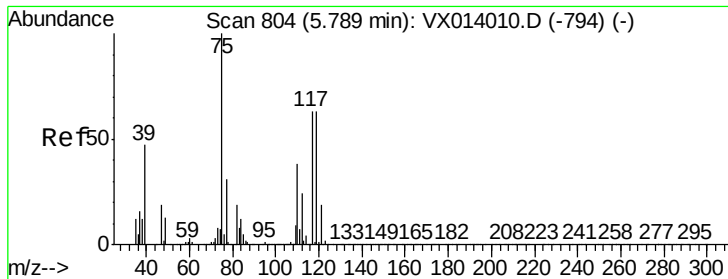
#35
 Dibromofluoromethane
 Concen: 49.477 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014095.D
 Acq: 18 Dec 2019 14:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.0	19.3	28.9



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

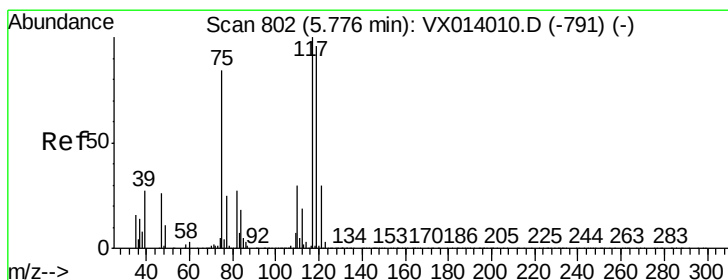
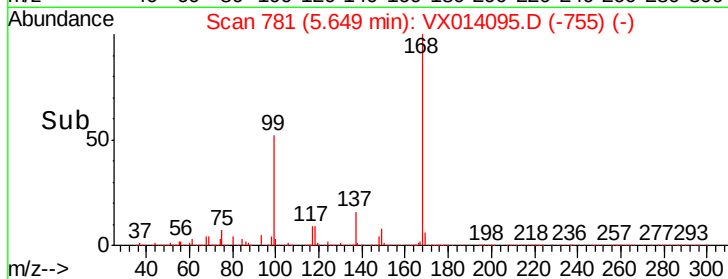
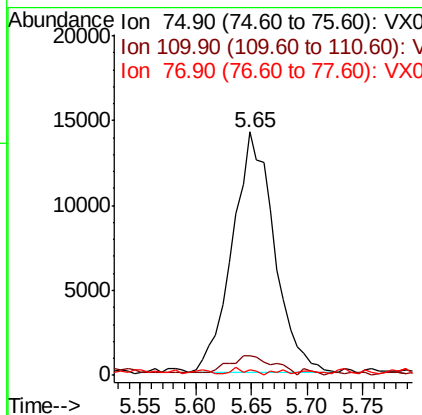
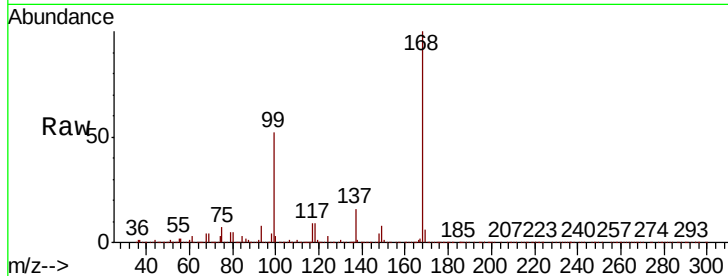




#36
 1,1-Dichloropropene
 Concen: 4.738 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX014095.D
 Acq: 18 Dec 2019 14:37

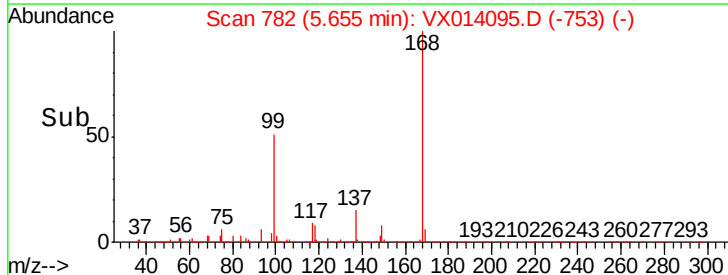
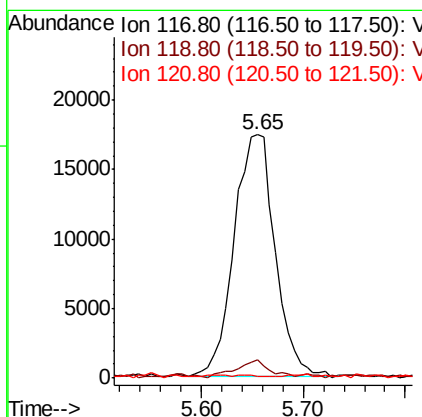
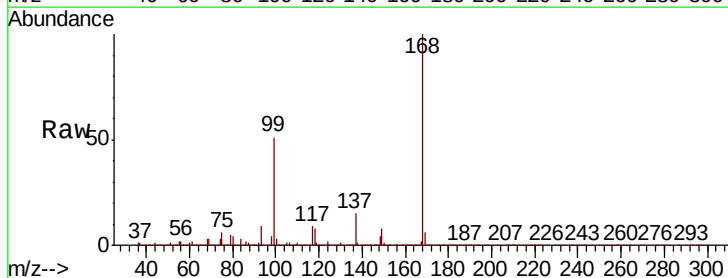
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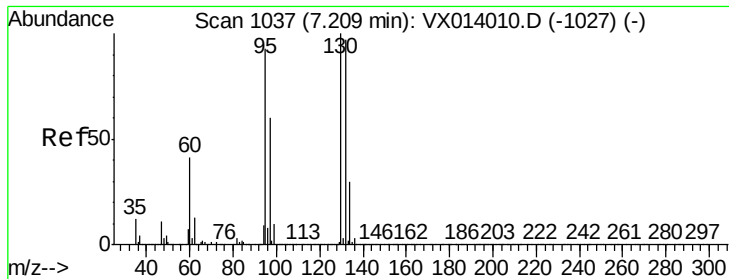
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.9#
77	1.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.815 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.12 min
 Lab File: VX014095.D
 Acq: 18 Dec 2019 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.8	76.2	114.4#
121	0.0	23.6	35.4#





#44

Trichloroethene

Concen: 0.404 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

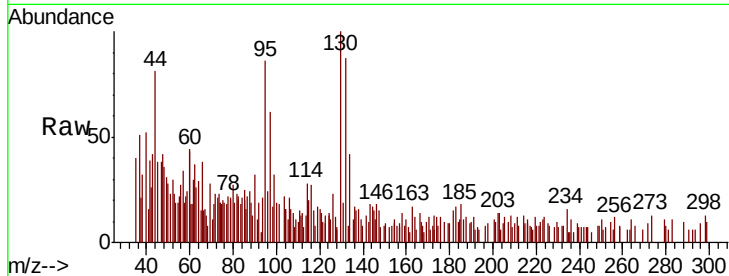
OUTFALL001-191217

Tot Ion:130 Resp: 2672

Ion Ratio Lower Upper

130 100

95 66.9 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

800

600

400

200

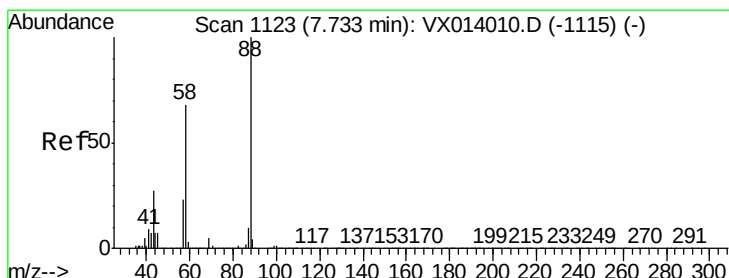
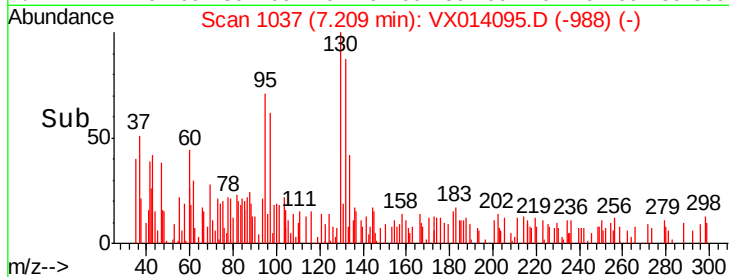
0

7.15

7.20

7.25

Time-->



#49

1,4-Dioxane

Concen: 1.001 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

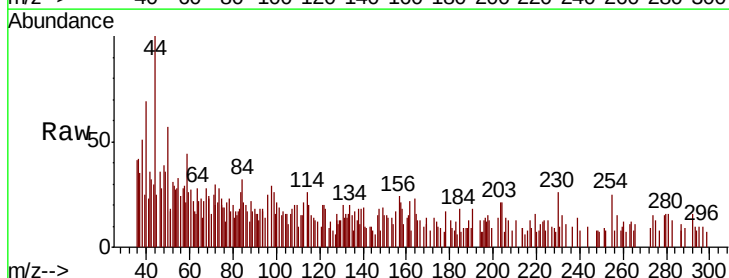
Tgt Ion: 88 Resp: 142

Ion Ratio Lower Upper

88 100

43 497.9 26.5 39.7#

58 236.6 56.8 85.2#



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

600

400

200

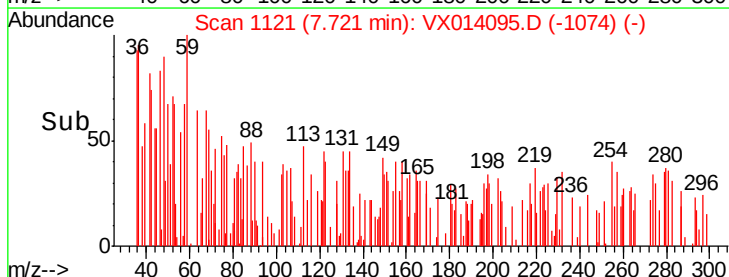
0

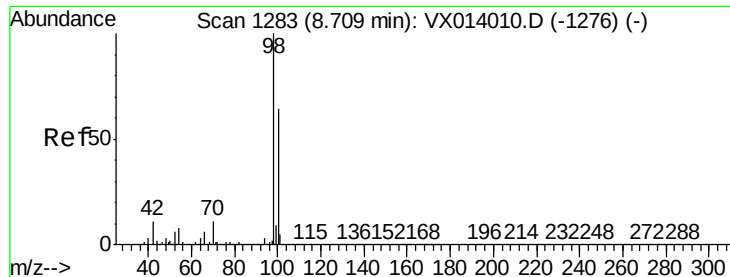
7.70

7.72

7.74

Time-->





#50

Toluene-d8

Concen: 49.586 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

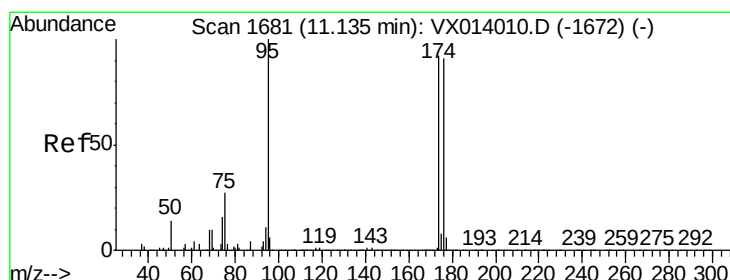
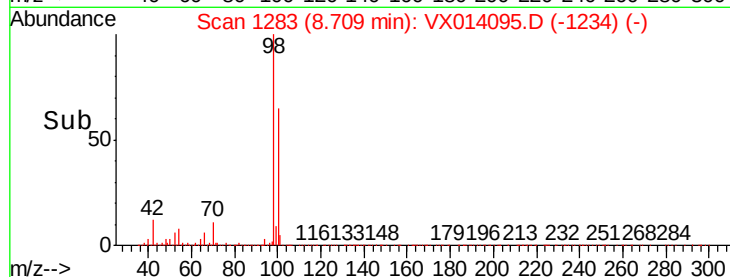
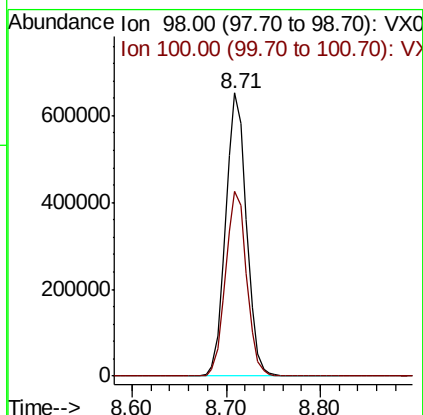
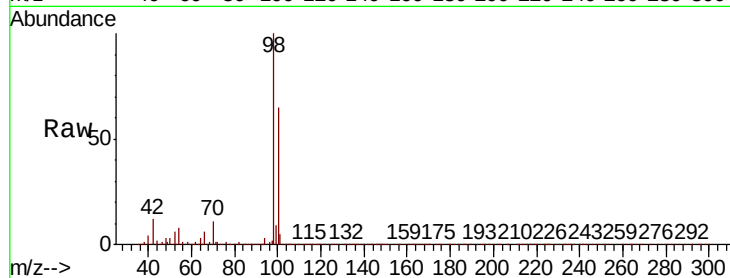
OUTFALL001-191217

Tot Ion: 98 Resp: 996453

Ion Ratio Lower Upper

98 100

100 66.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 44.597 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

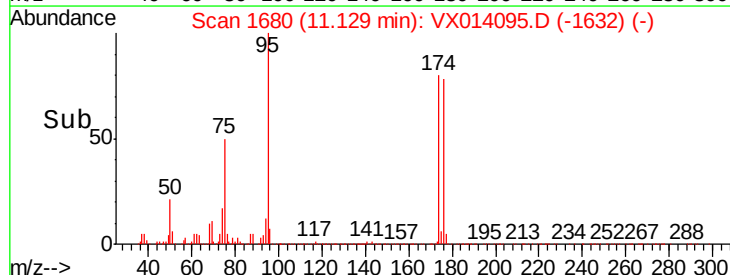
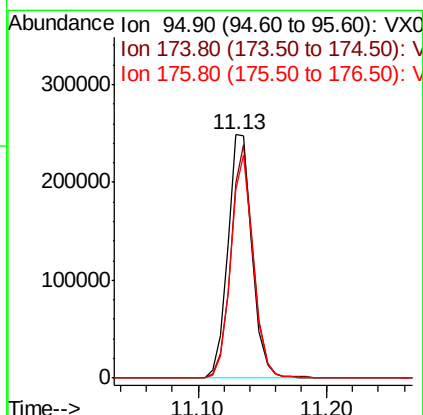
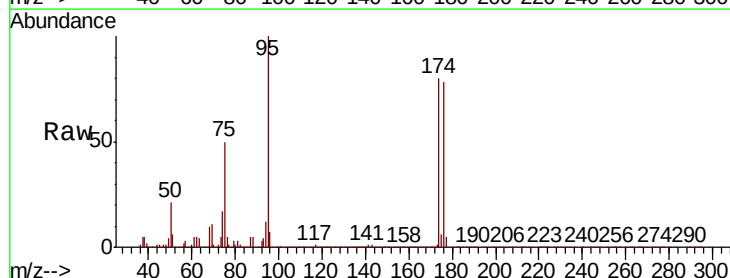
Tgt Ion: 95 Resp: 327600

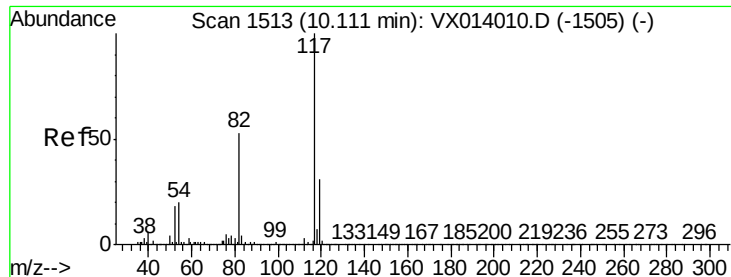
Ion Ratio Lower Upper

95 100

174 88.3 0.0 175.8

176 85.2 0.0 173.0

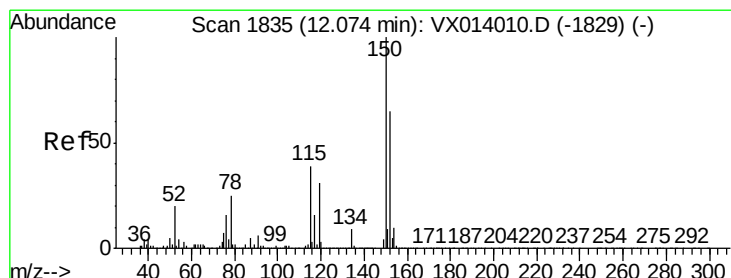
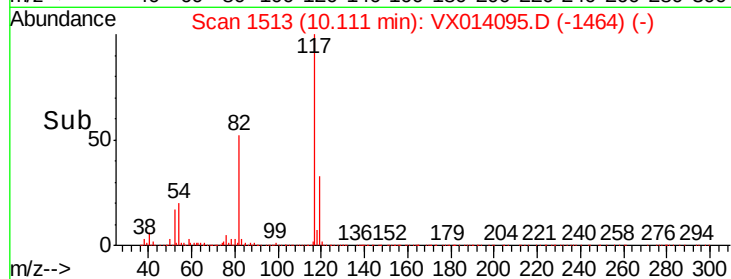
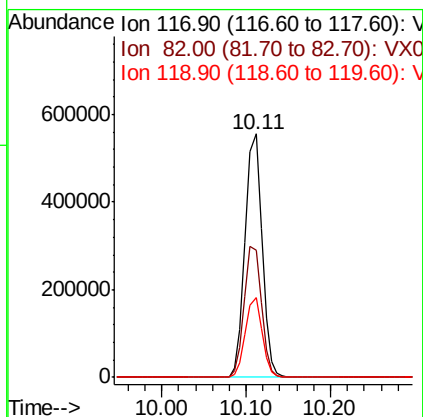
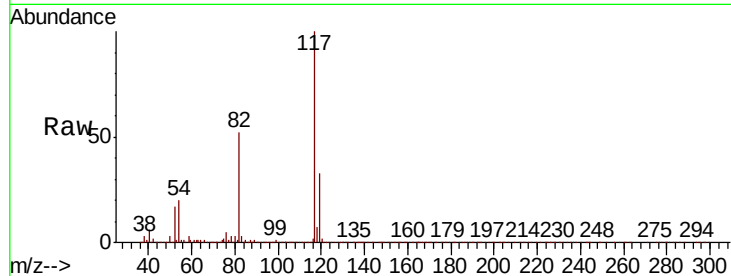




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014095.D
Acq: 18 Dec 2019 14:37

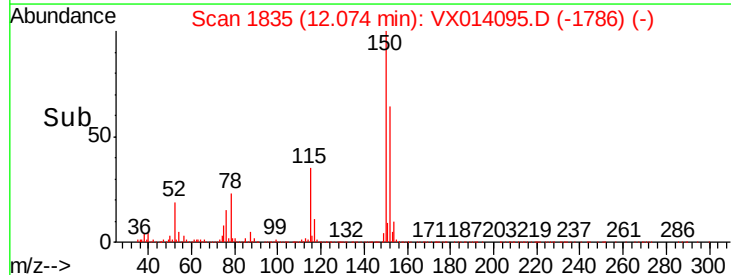
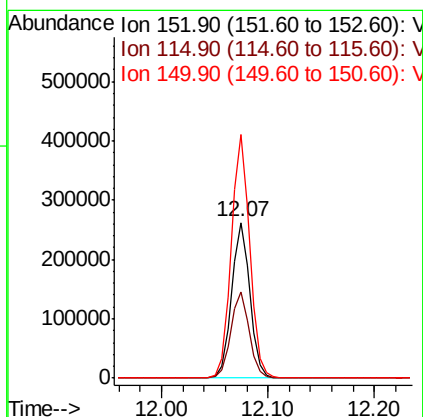
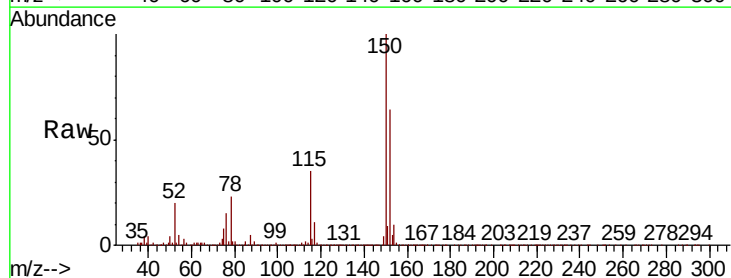
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-191217

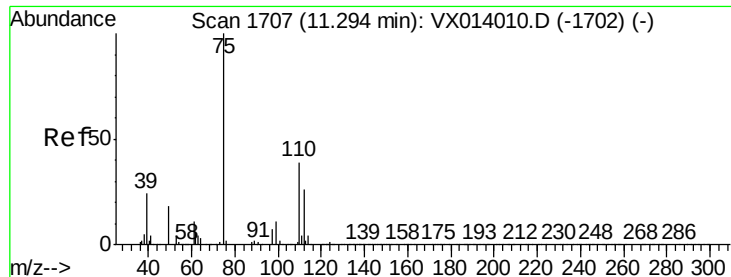
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.2	63.4
119	32.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014095.D
Acq: 18 Dec 2019 14:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	38.3	114.9
150	159.0	0.0	345.4





#76

1,2,3-Trichloropropane

Concen: 23.178 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Instrument :

MSVOA_X

ClientSampleId :

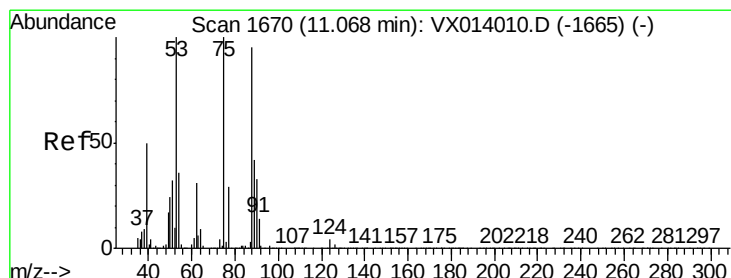
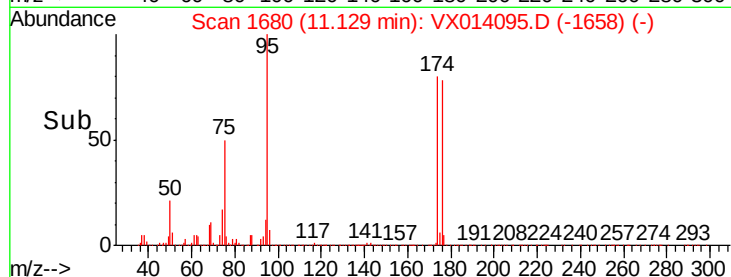
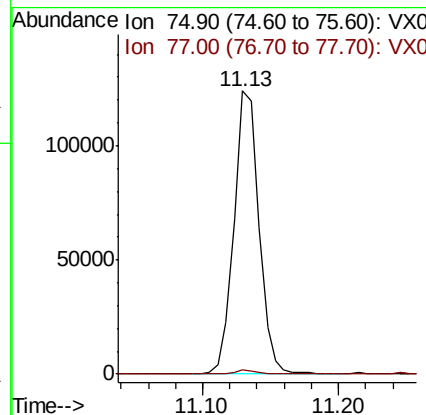
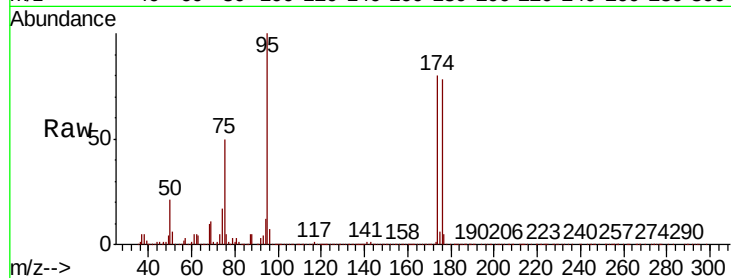
OUTFALL001-191217

Tot Ion: 75 Resp: 158566

Ion Ratio Lower Upper

75 100

77 1.8 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.421 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014095.D

Acq: 18 Dec 2019 14:37

Tgt Ion: 75 Resp: 158566

Ion Ratio Lower Upper

75 100

53 0.0 76.7 115.1#

89 0.0 34.6 51.8#

