

Data File : VX004203.D
Acq On : 22 Aug 2018 17:17
Operator : JC/MD
Sample : J4605-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180821

Quant Time: Aug 23 05:50:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	449669	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232862	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	204169	55.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.86%	
35) Dibromofluoromethane	5.50	113	175645	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	8.71	98	636985	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.14	95	221489	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

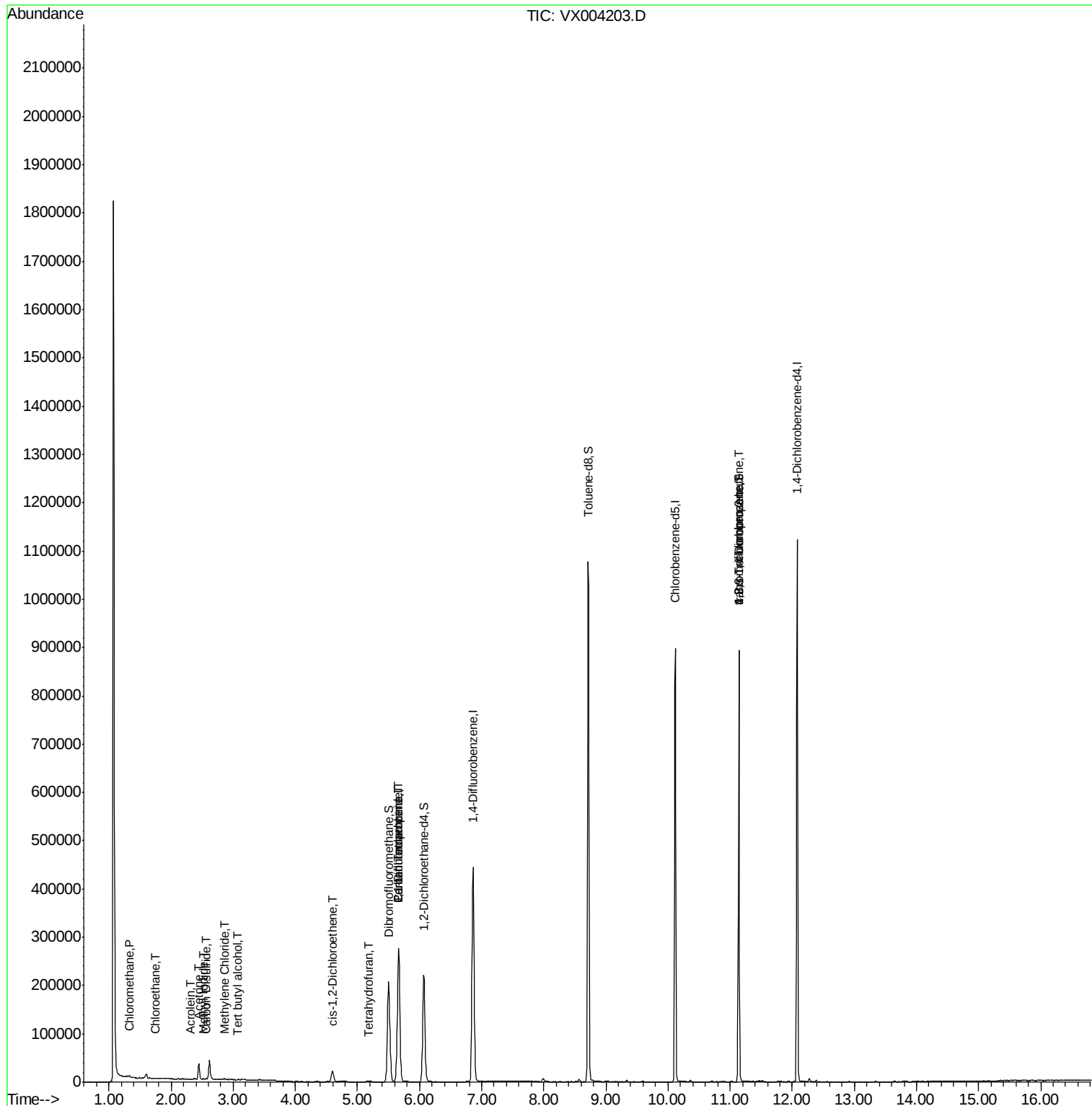
Target Compounds			Qvalue			
3) Chloromethane	1.32	50	1942	0.824	ug/l	95
5) Bromomethane	1.65	94	1303	Below Cal	#	73
6) Chloroethane	1.73	64	443	1.118	ug/l #	58
10) Methyl Iodide	2.52	142	1364	4.613	ug/l #	92
11) Tert butyl alcohol	3.07	59	976	1.243	ug/l #	89
13) Acrolein	2.31	56	221	1.167	ug/l #	16
16) Acetone	2.45	43	33820	14.899	ug/l	98
17) Carbon Disulfide	2.57	76	1799	1.011	ug/l #	86
20) Methylene Chloride	2.86	84	893	0.252	ug/l	92
25) 2-Butanone	4.71	43	941	Below Cal		90
27) cis-1,2-Dichloroethene	4.60	96	14484	3.854	ug/l	93
29) Tetrahydrofuran	5.17	42	1233	0.779	ug/l #	86
36) 1,1-Dichloropropene	5.66	75	18732	3.705	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25470	5.356	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	105890	22.359	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	105890	72.544	ug/l #	10
94) Hexachlorobutadiene	13.78	225	304	Below Cal		83

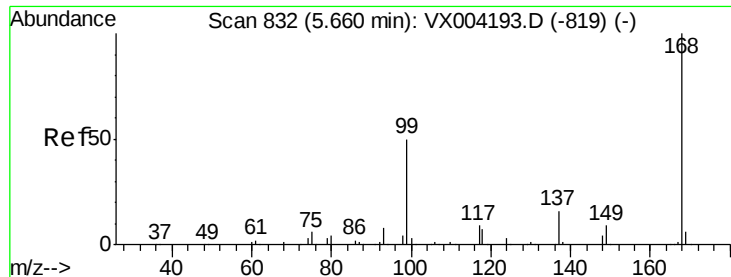
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

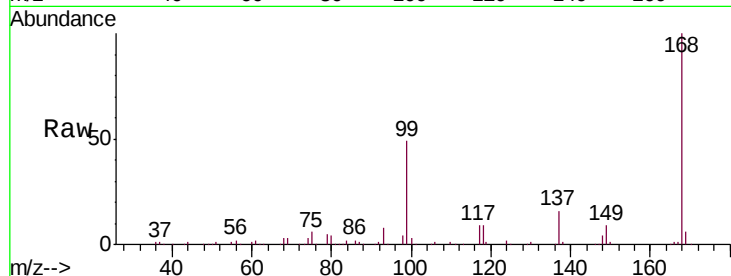
OUTFALL001-180821

Tgt Ion:168 Resp: 282610

Ion Ratio Lower Upper

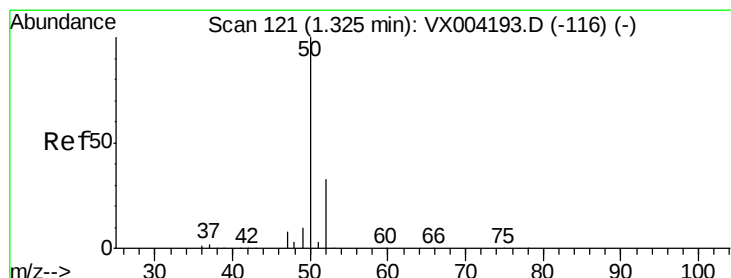
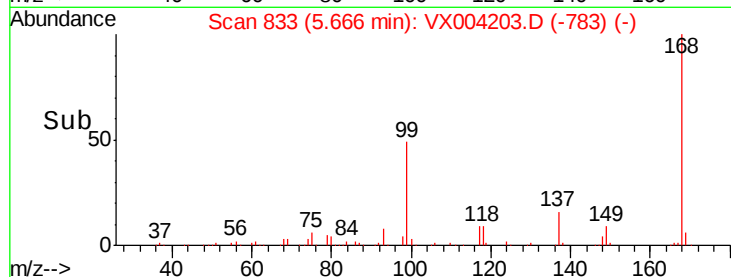
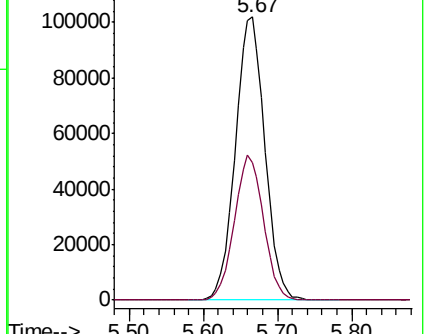
168 100

99 48.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.824 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004203.D

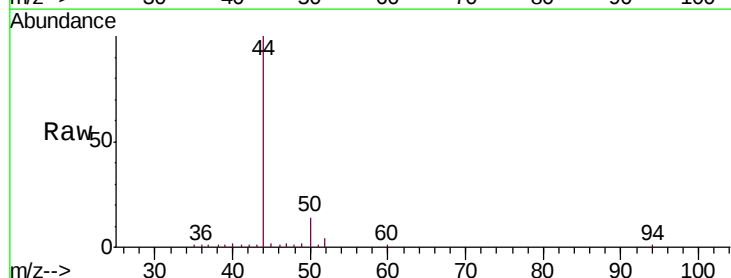
Acq: 22 Aug 2018 17:17

Tgt Ion: 50 Resp: 1942

Ion Ratio Lower Upper

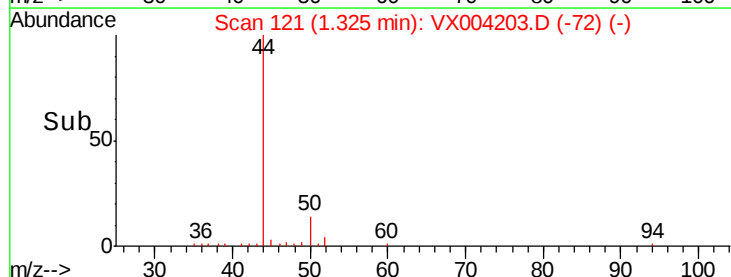
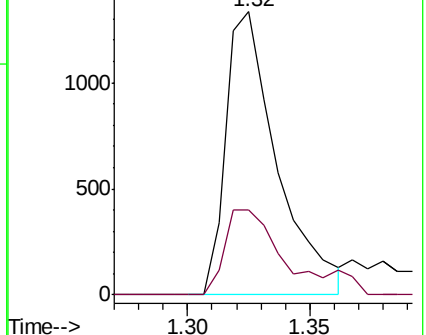
50 100

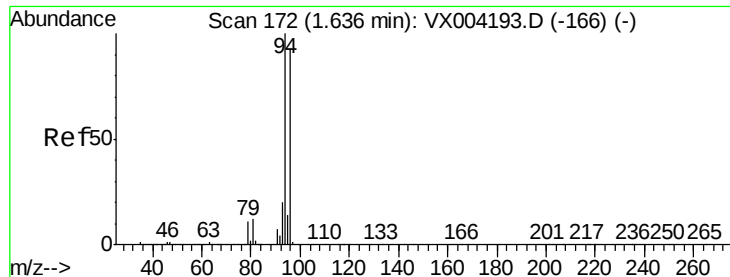
52 29.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

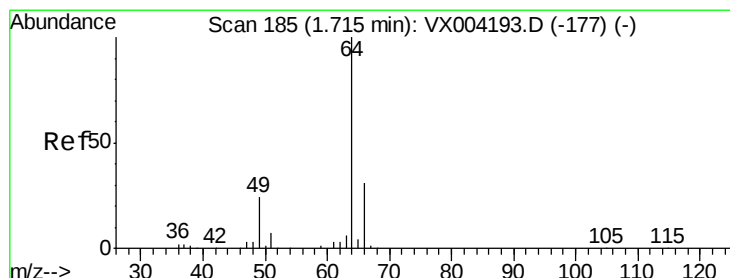
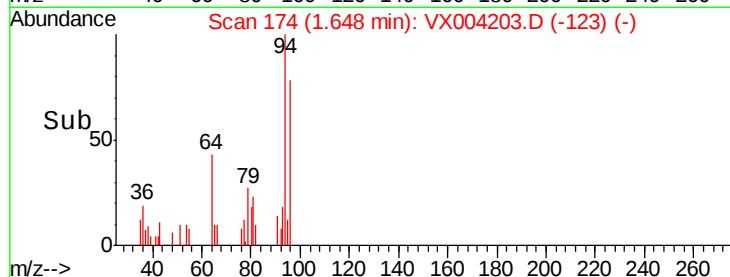
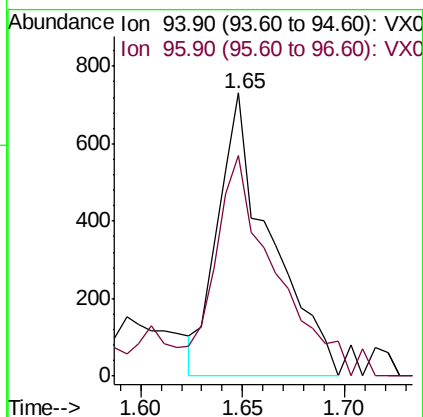
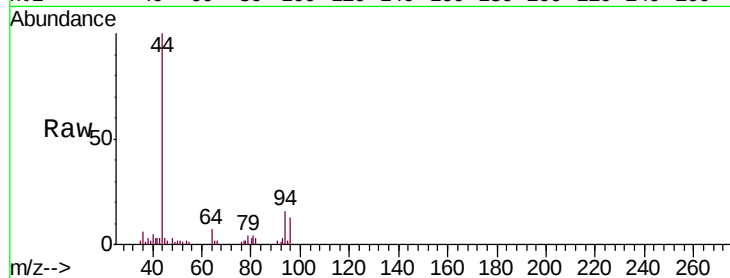
OUTFALL001-180821

Tgt Ion: 94 Resp: 1303

Ion Ratio Lower Upper

94 100

96 67.6 74.5 111.7#



#6

Chloroethane

Concen: 1.118 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.02 min

Lab File: VX004203.D

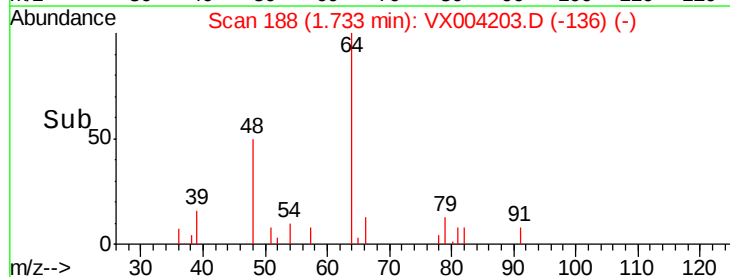
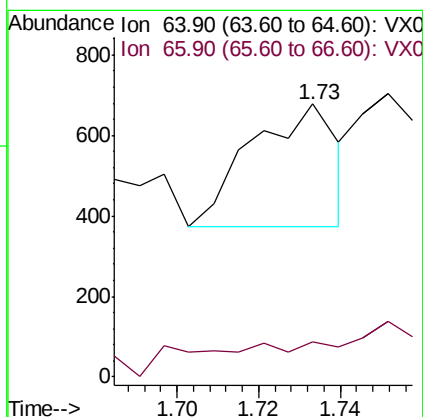
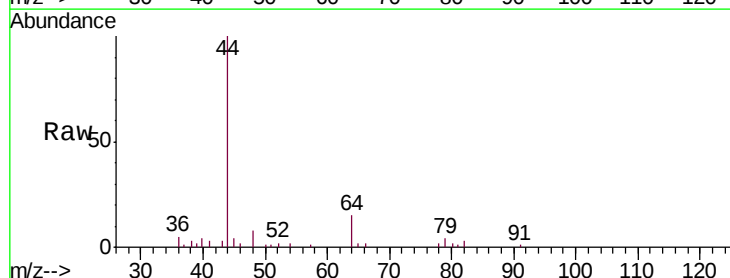
Acq: 22 Aug 2018 17:17

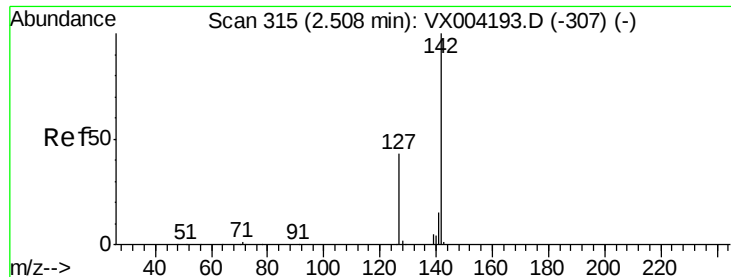
Tgt Ion: 64 Resp: 443

Ion Ratio Lower Upper

64 100

66 7.9 24.6 36.8#





#10

Methyl Iodide

Concen: 4.613 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-180821

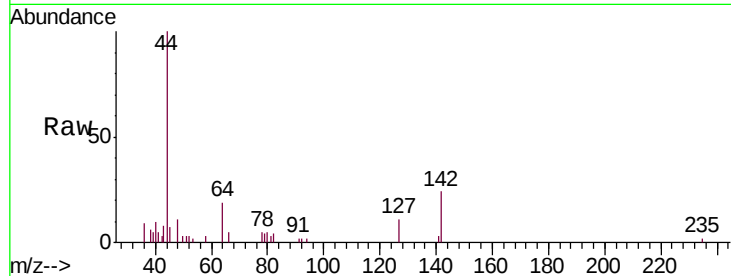
Tgt Ion:142 Resp: 1364

Ion Ratio Lower Upper

142 100

127 46.3 33.8 50.6

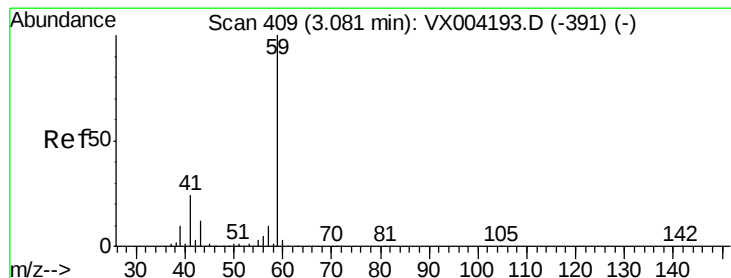
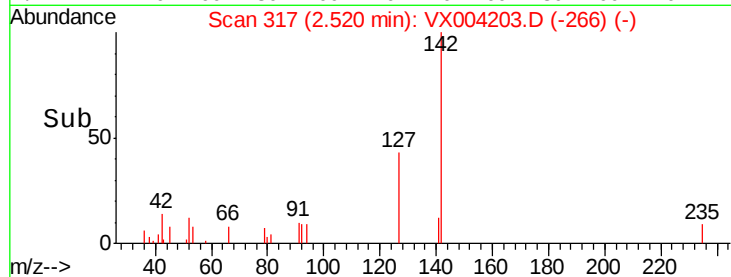
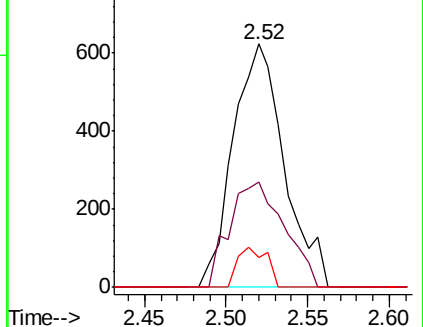
141 9.4 11.4 17.0#



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



#11

Tert butyl alcohol

Concen: 1.243 ug/l

RT: 3.07 min Scan# 407

Delta R.T. -0.01 min

Lab File: VX004203.D

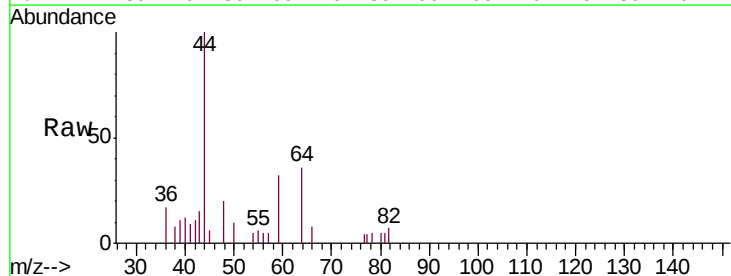
Acq: 22 Aug 2018 17:17

Tgt Ion: 59 Resp: 976

Ion Ratio Lower Upper

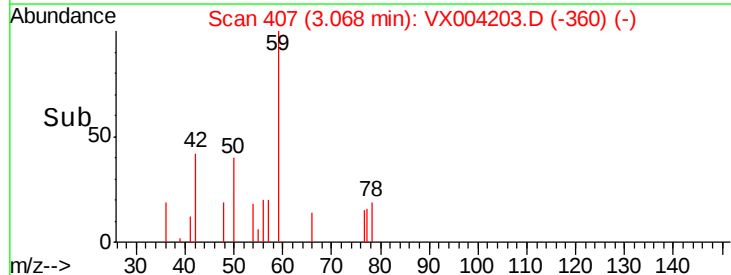
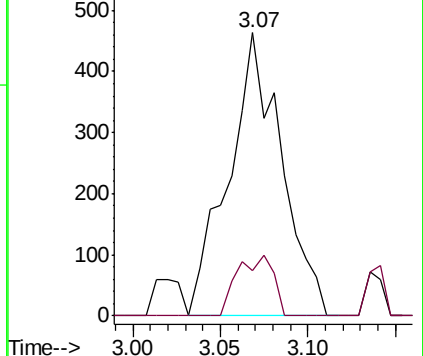
59 100

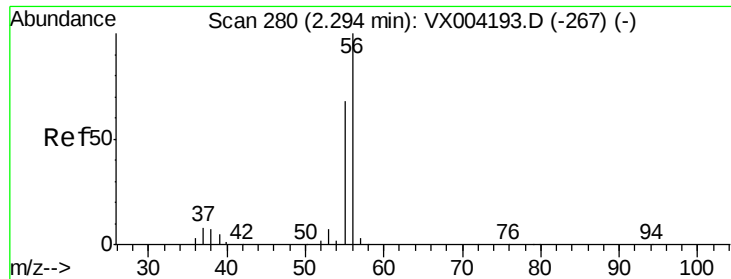
57 14.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

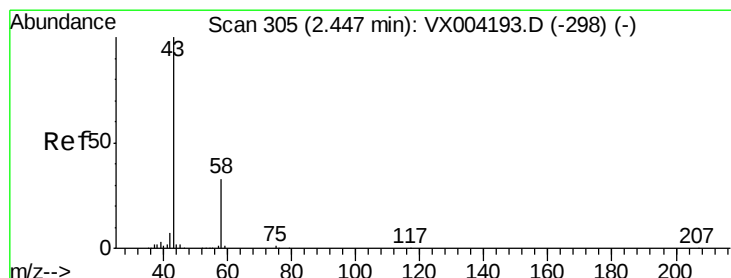
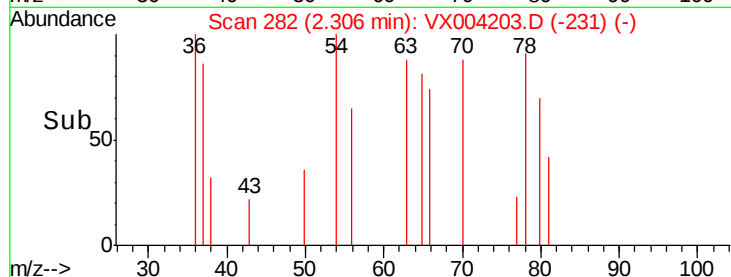
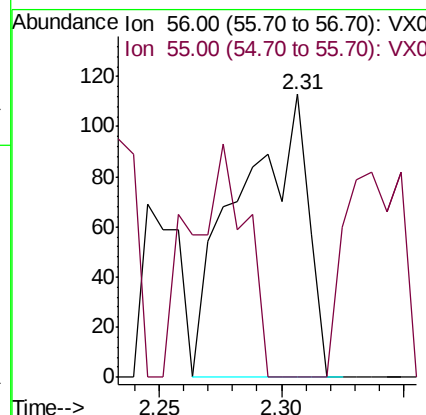
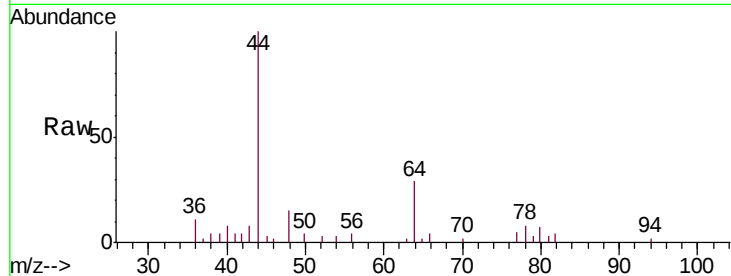




#13
Acrolein
Concen: 1.167 ug/l
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

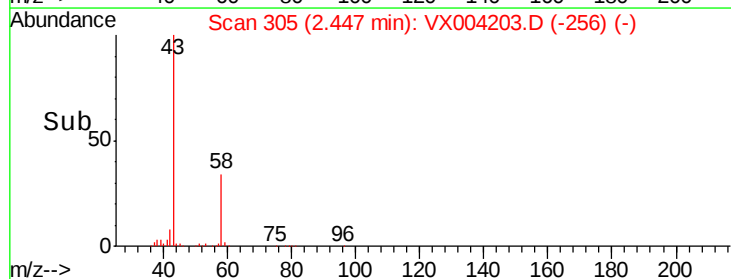
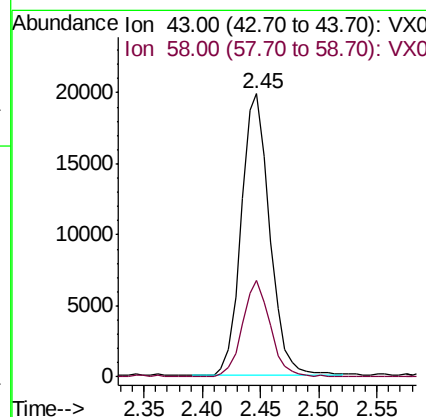
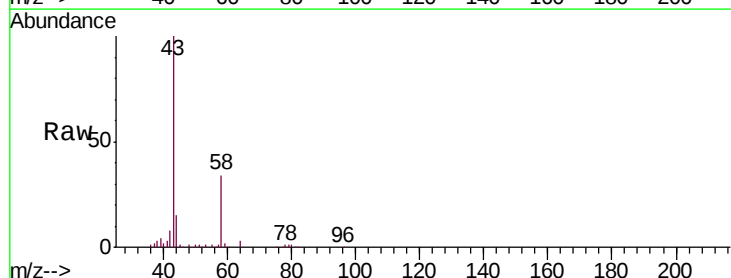
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180821

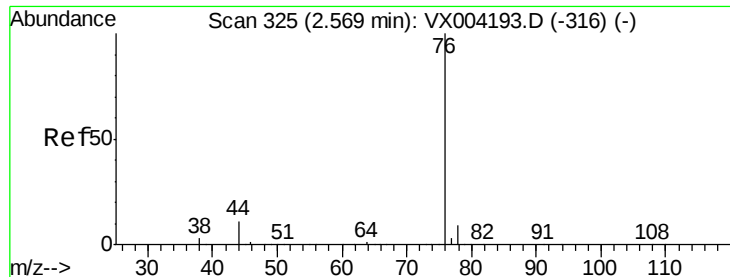
Tgt Ion: 56 Resp: 221
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#



#16
Acetone
Concen: 14.899 ug/l
RT: 2.45 min Scan# 305
Delta R.T. 0.00 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

Tgt Ion: 43 Resp: 33820
Ion Ratio Lower Upper
43 100
58 34.2 26.2 39.4





#17

Carbon Disulfide

Concen: 1.011 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

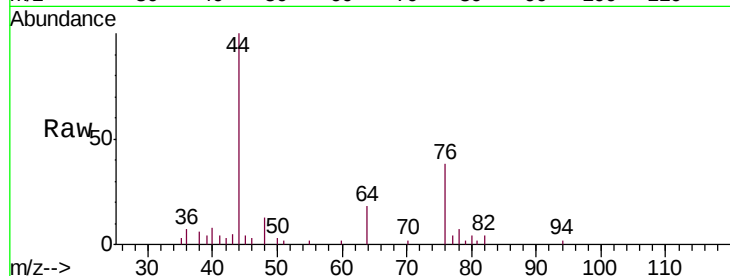
OUTFALL001-180821

Tgt Ion: 76 Resp: 1799

Ion Ratio Lower Upper

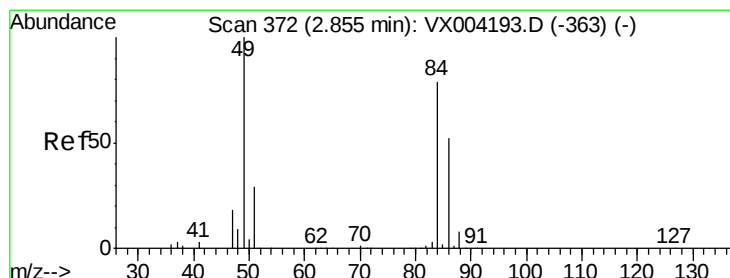
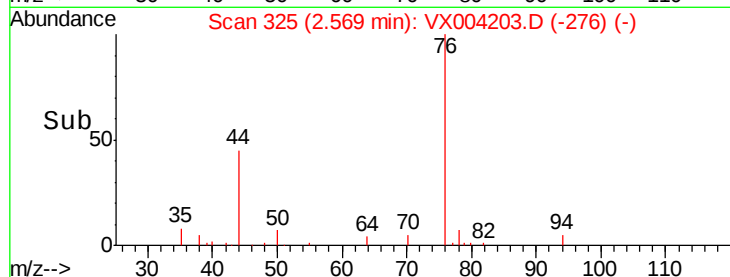
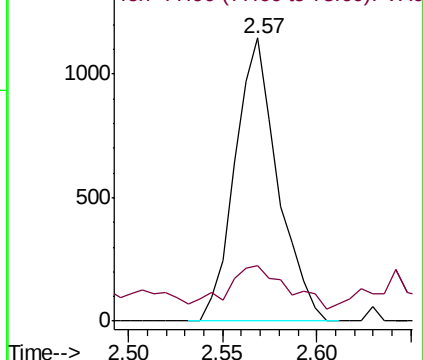
76 100

78 13.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.252 ug/l

RT: 2.86 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

Tgt Ion: 84 Resp: 893

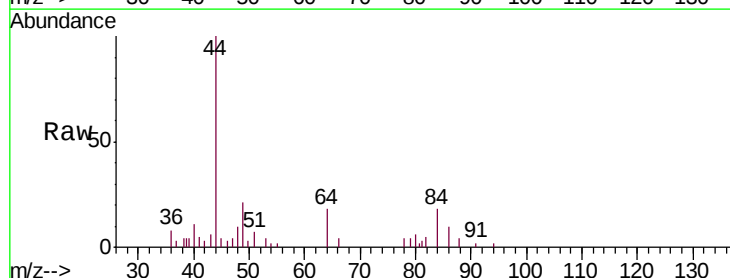
Ion Ratio Lower Upper

84 100

49 117.9 101.2 151.8

51 38.5 29.5 44.3

86 56.4 52.3 78.5

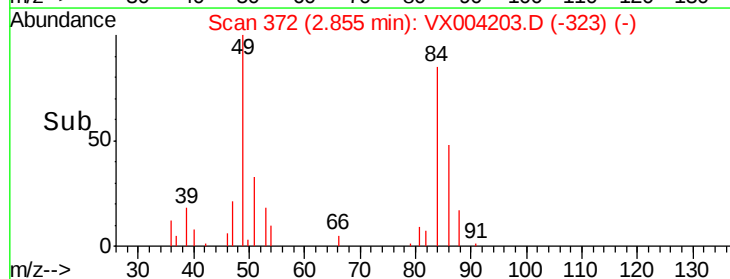
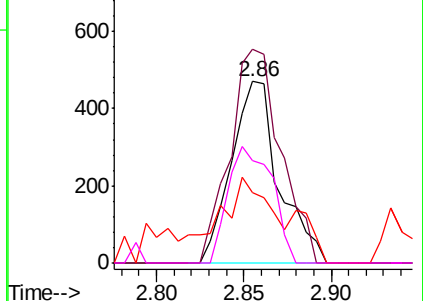


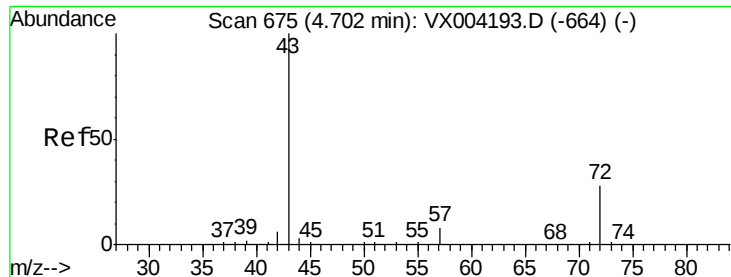
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

Instrument :

MSVOA_X

ClientSampleId :

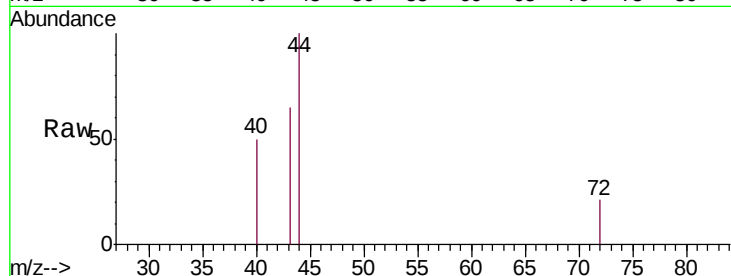
OUTFALL001-180821

Tgt Ion: 43 Resp: 941

Ion Ratio Lower Upper

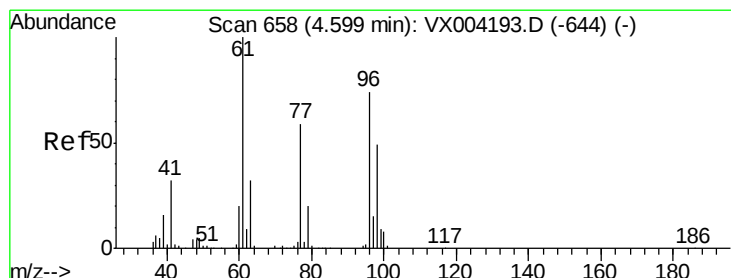
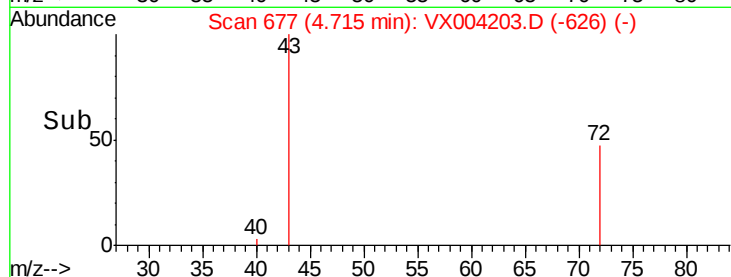
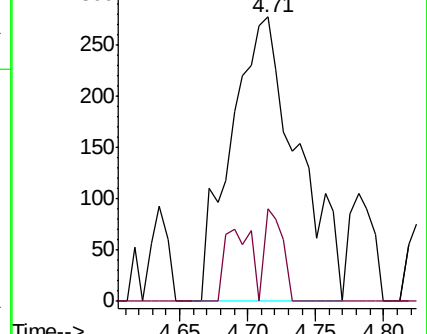
43 100

72 32.5 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 3.854 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX004203.D

Acq: 22 Aug 2018 17:17

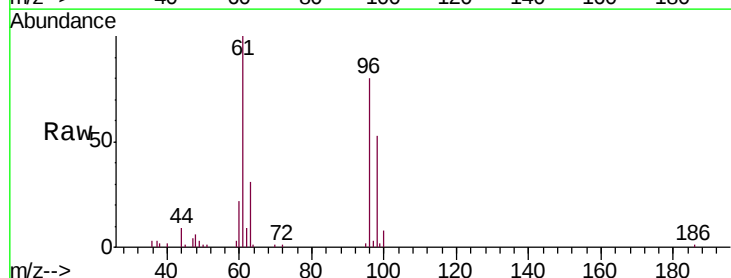
Tgt Ion: 96 Resp: 14484

Ion Ratio Lower Upper

96 100

61 128.9 0.0 282.6

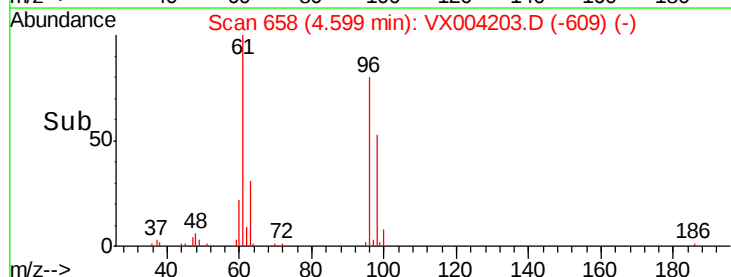
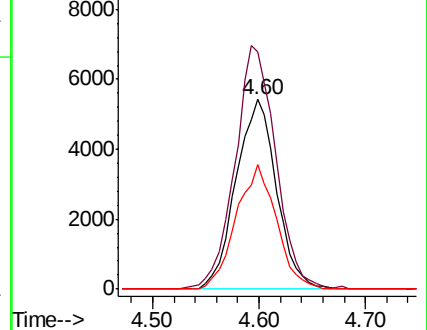
98 65.1 0.0 130.2

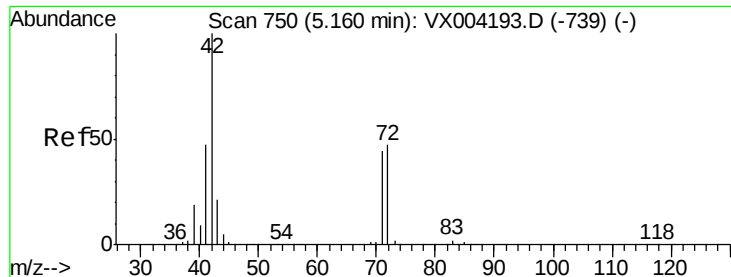


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

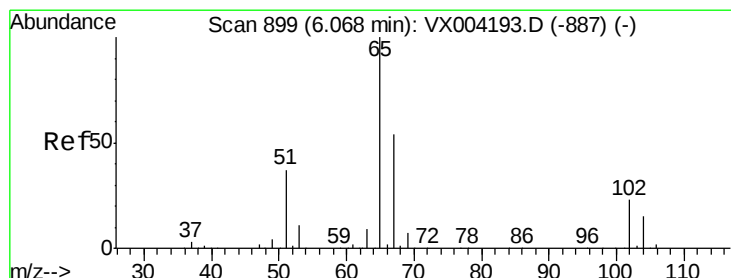
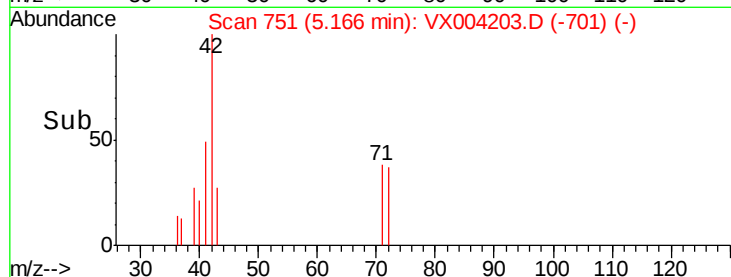
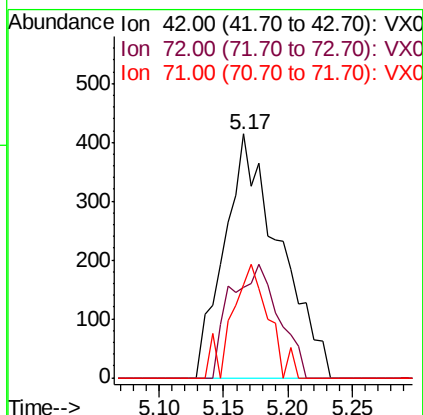
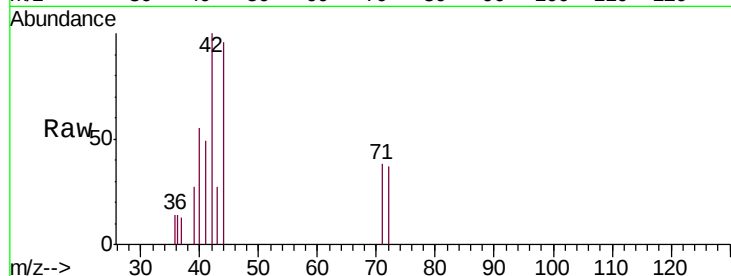




#29
Tetrahydrofuran
Concen: 0.779 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.01 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

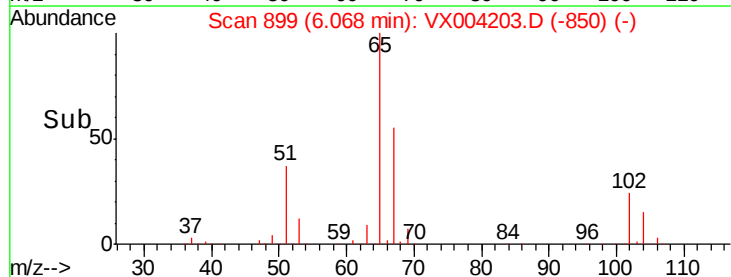
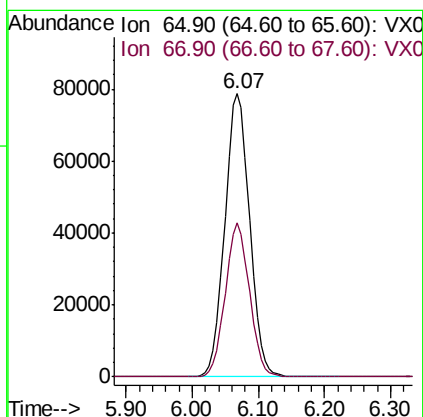
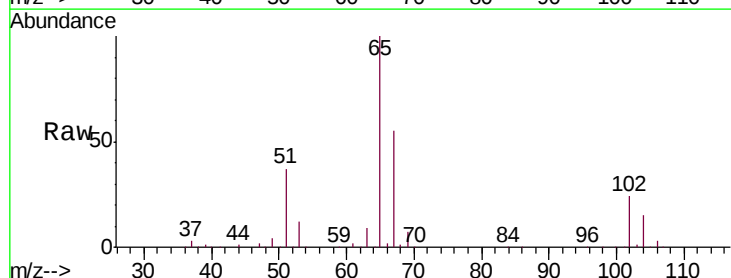
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180821

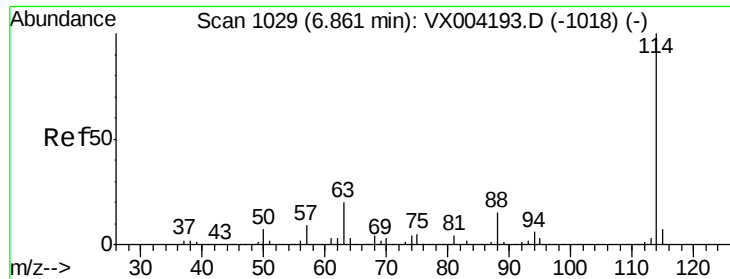
Tgt Ion: 42 Resp: 1233
Ion Ratio Lower Upper
42 100
72 40.8 37.4 56.0
71 30.9 34.5 51.7#



#33
1,2-Dichloroethane-d4
Concen: 55.429 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

Tgt Ion: 65 Resp: 204169
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.8

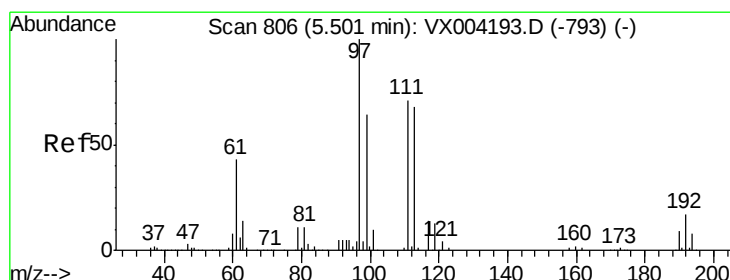
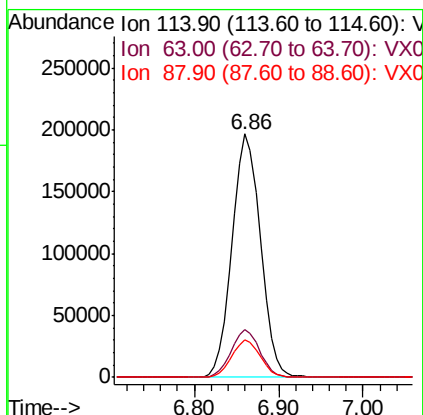
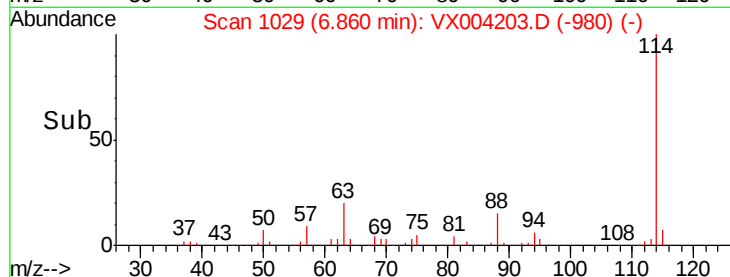
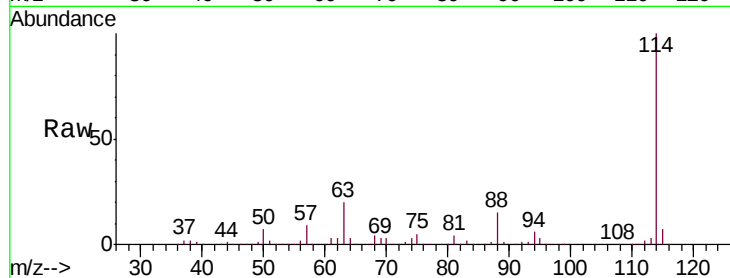




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004203.D
 Acq: 22 Aug 2018 17:17

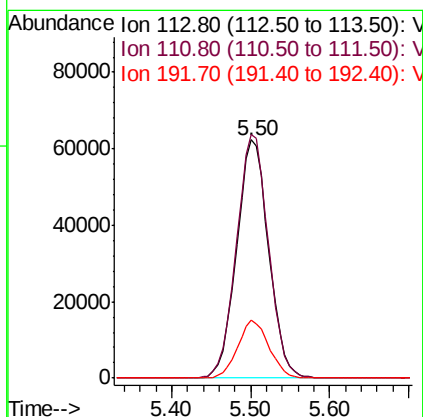
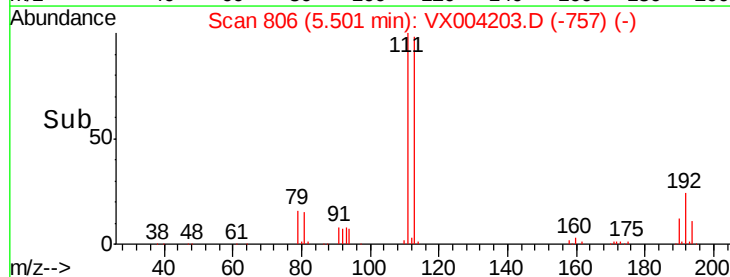
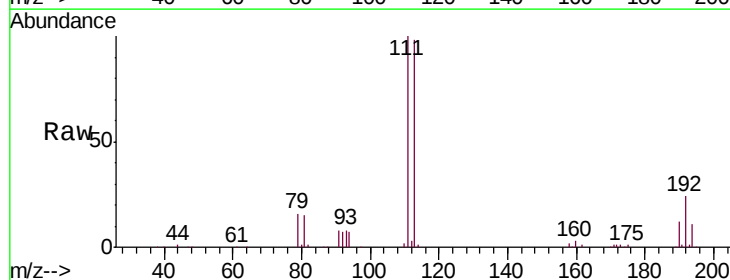
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-180821

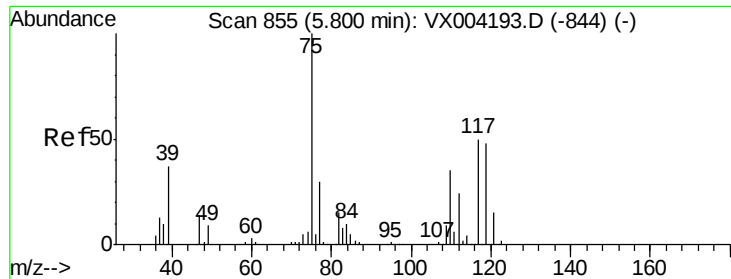
Tgt Ion:114 Resp: 449669
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 30.4



#35
 Dibromofluoromethane
 Concen: 52.506 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004203.D
 Acq: 22 Aug 2018 17:17

Tgt Ion:113 Resp: 175645
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.4 123.6
 192 23.7 19.4 29.2

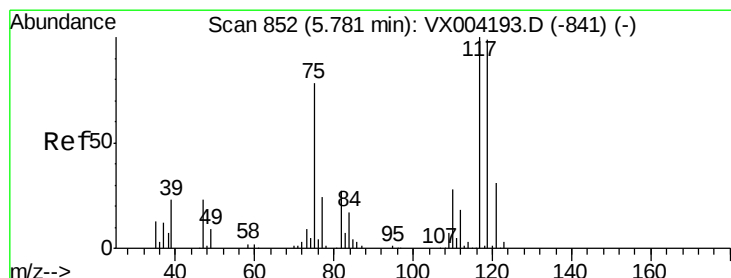
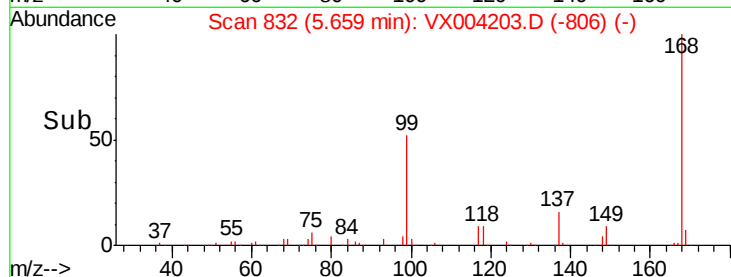
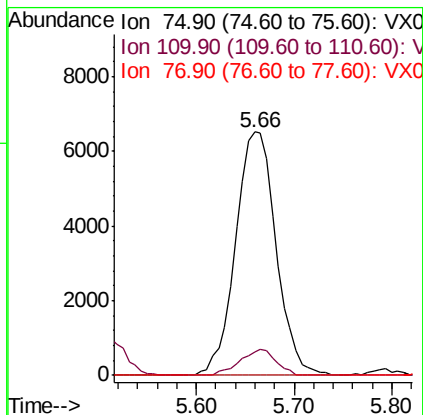
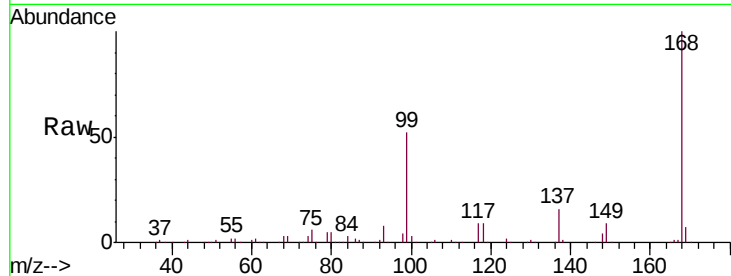




#36
 1,1-Dichloropropene
 Concen: 3.705 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.14 min
 Lab File: VX004203.D
 Acq: 22 Aug 2018 17:17

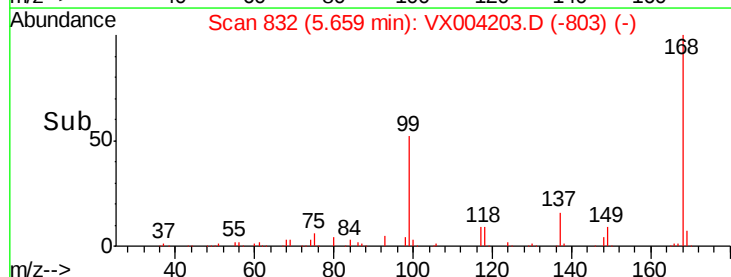
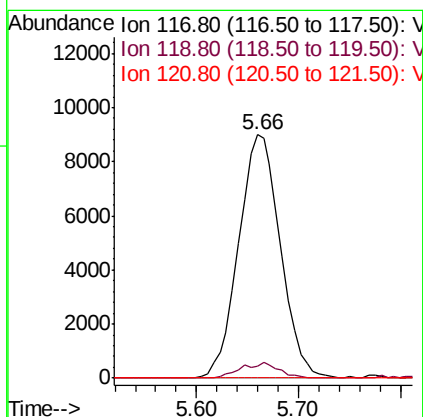
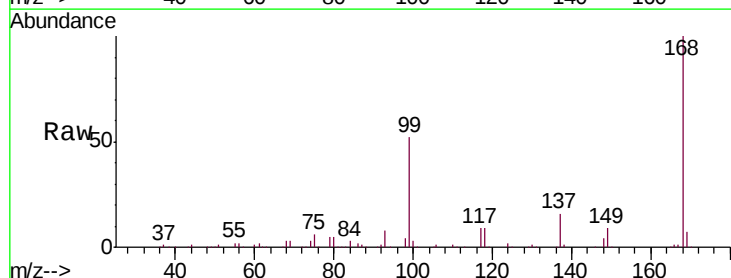
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-180821

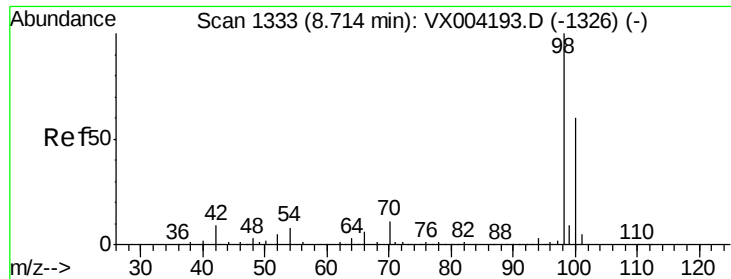
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.356 ug/l
 RT: 5.66 min Scan# 832
 Delta R.T. -0.12 min
 Lab File: VX004203.D
 Acq: 22 Aug 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.8	118.2#
121	0.0	24.9	37.3#

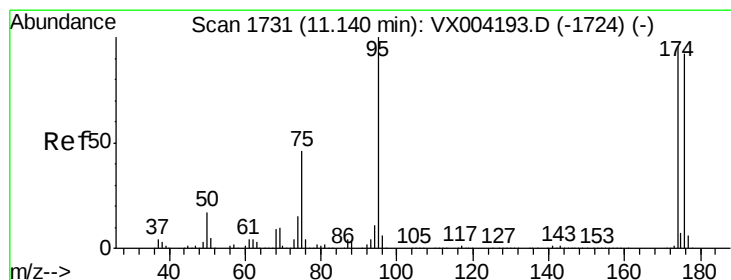
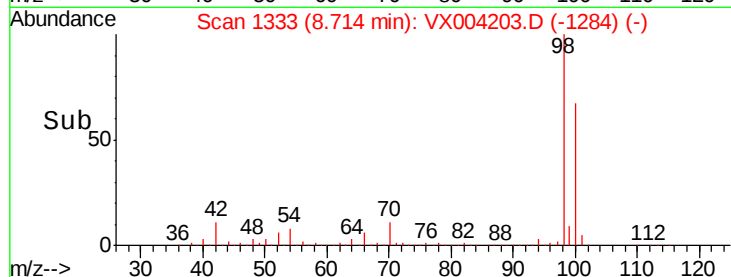
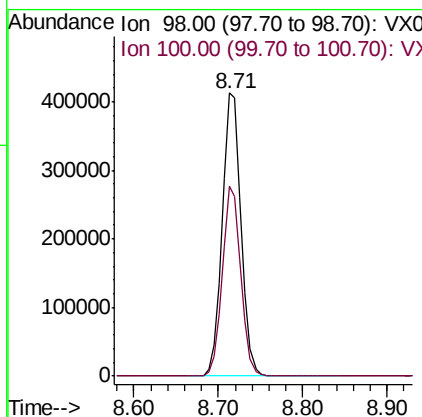
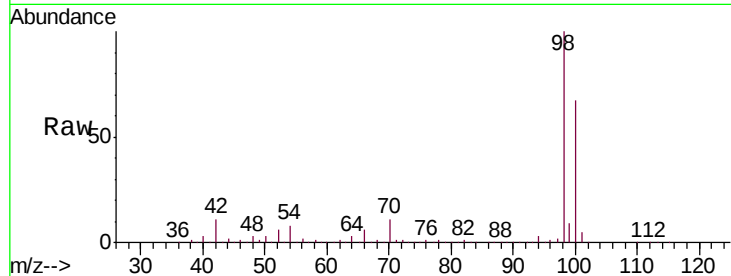




#50
Toluene-d8
Concen: 50.446 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

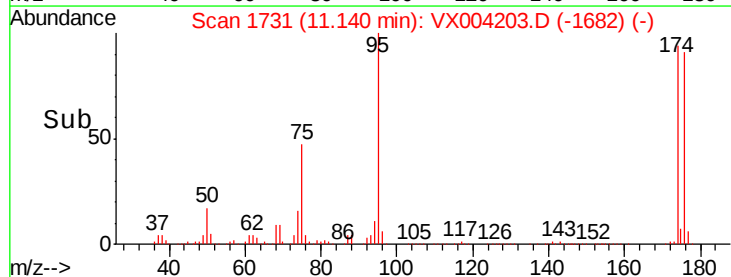
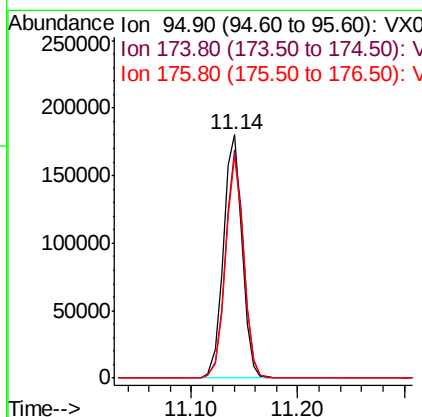
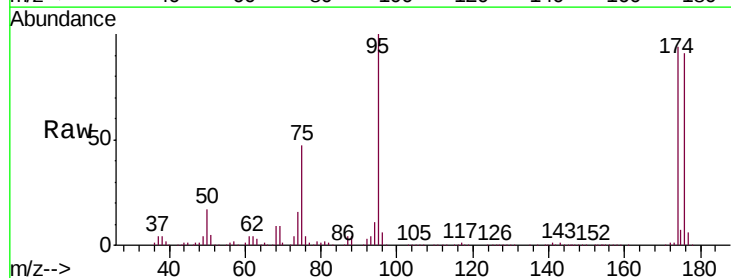
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MSVOA_X
ClientSampleId :
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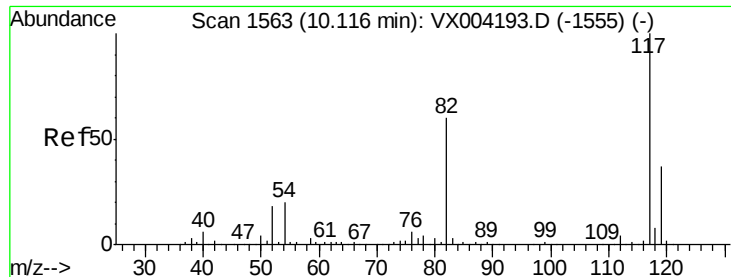
Tgt Ion: 98 Resp: 636985
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 47.010 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

Tgt Ion: 95 Resp: 221489
Ion Ratio Lower Upper
95 100
174 91.5 0.0 185.2
176 88.5 0.0 178.6

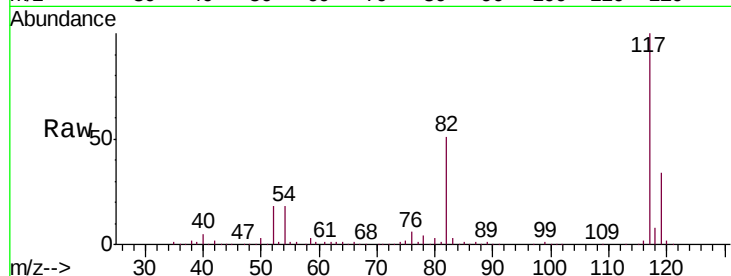




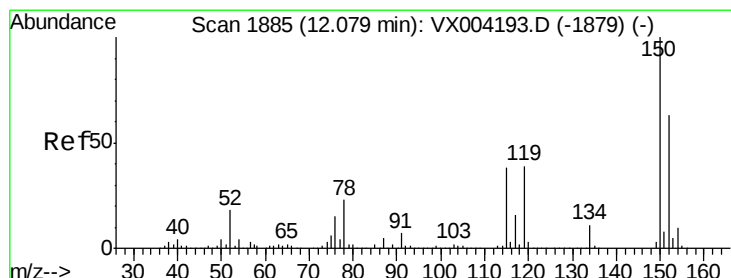
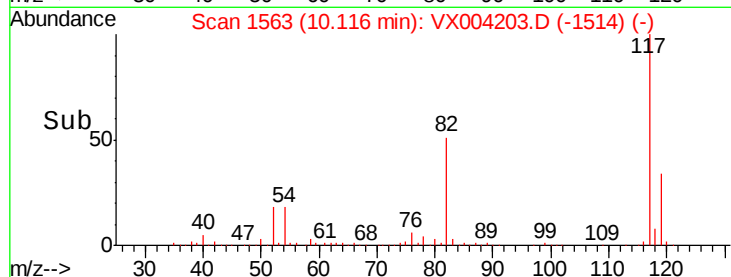
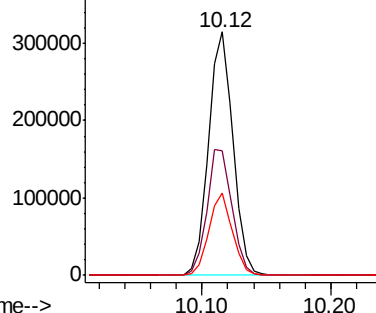
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180821

Tgt Ion:117 Resp: 412933
Ion Ratio Lower Upper
117 100
82 51.1 47.8 71.6
119 34.0 29.3 43.9

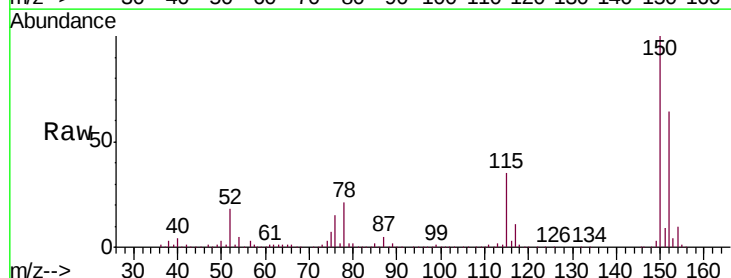


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

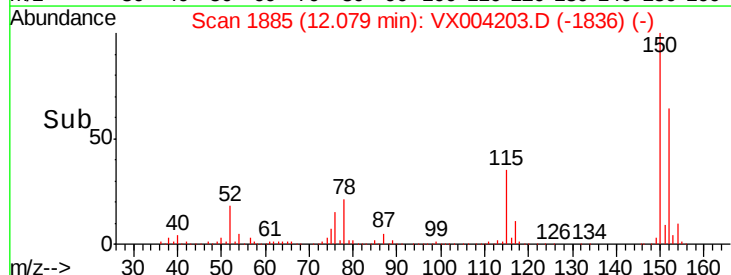
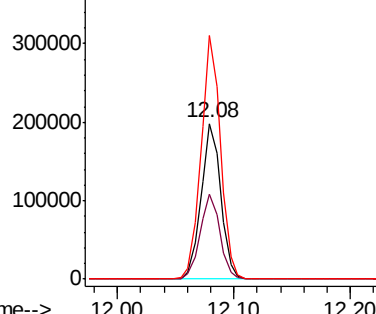


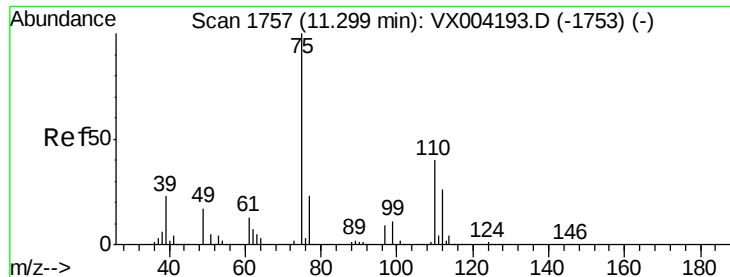
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004203.D
Acq: 22 Aug 2018 17:17

Tgt Ion:152 Resp: 232862
Ion Ratio Lower Upper
152 100
115 54.5 39.0 117.0
150 154.9 0.0 351.0



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

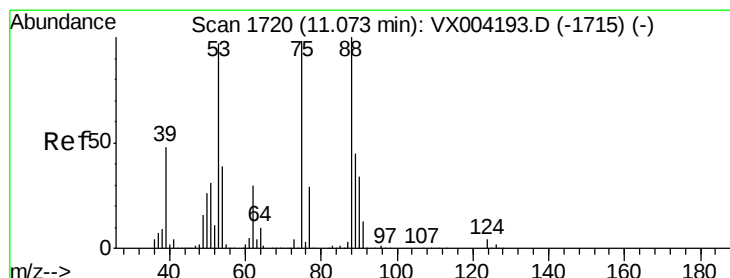
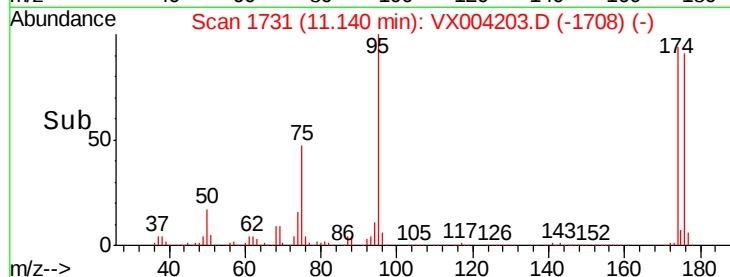
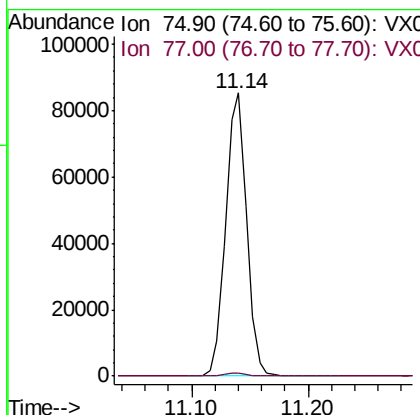
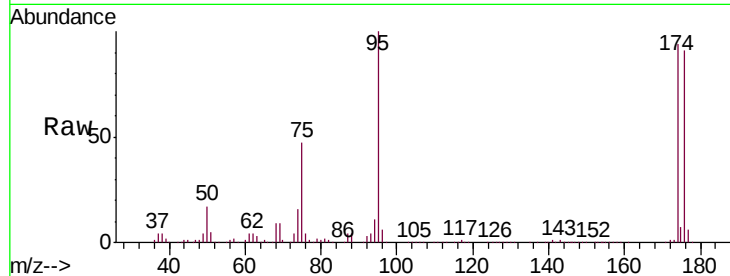




#76
 1,2,3-Trichloropropane
 Concen: 22.359 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX004203.D
 Acq: 22 Aug 2018 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-180821

Tgt Ion: 75 Resp: 105890
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.544 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.07 min
 Lab File: VX004203.D
 Acq: 22 Aug 2018 17:17

Tgt Ion: 75 Resp: 105890
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

