

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX031318\
 Data File : VX000299.D
 Acq On : 13 Mar 2018 14:35
 Operator : JC/MD
 Sample : J1834-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-180306

Quant Time: Mar 14 00:57:00 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	129059	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	222438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	210183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	109163	50.00	ug/l	0.00

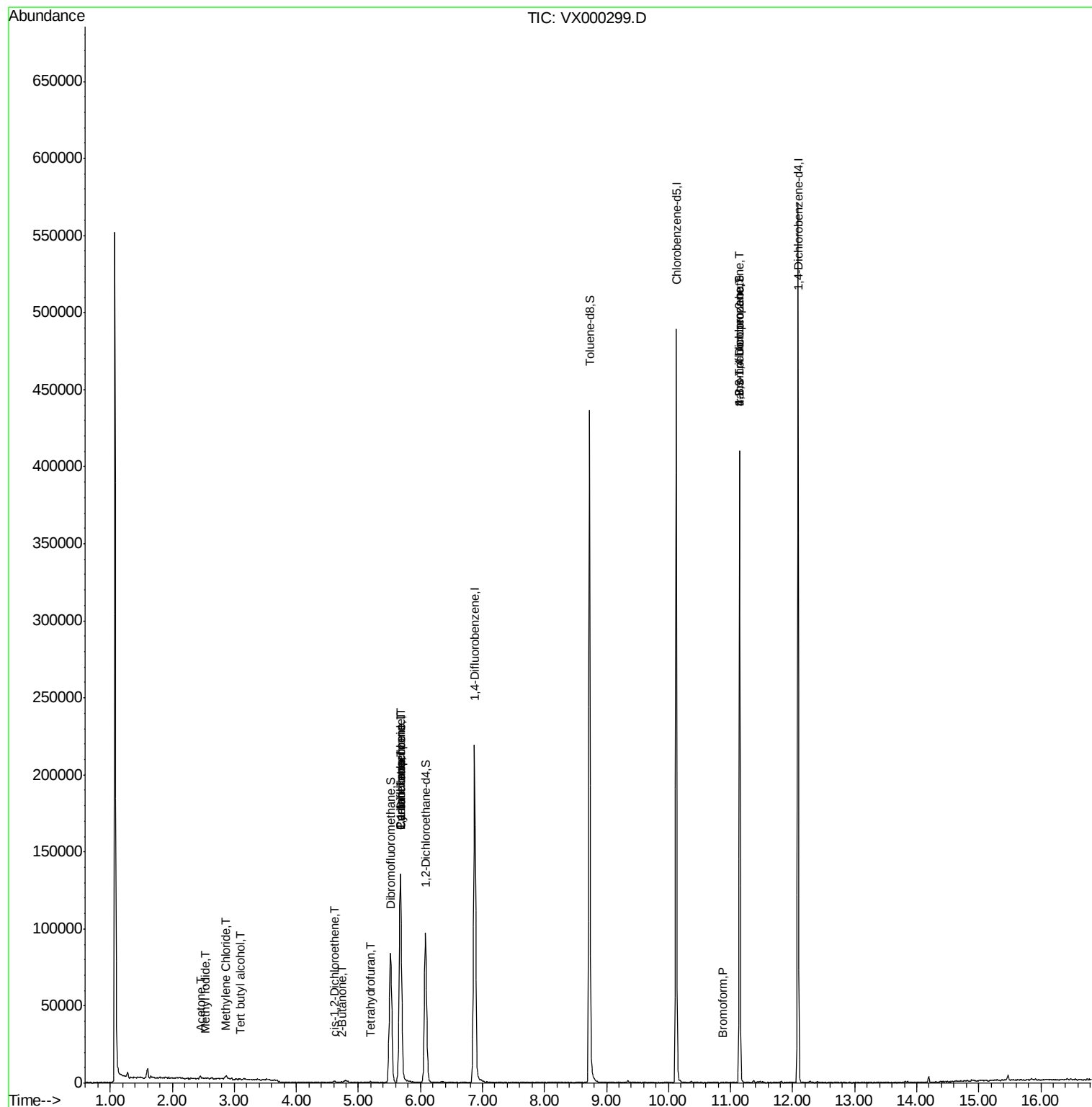
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	90665	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	5.52	113	66392	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.73	98	261441	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
62) 4-Bromofluorobenzene	11.15	95	92474	40.94	ug/l	0.00
Spiked Amount			Recovery	=	81.88%	

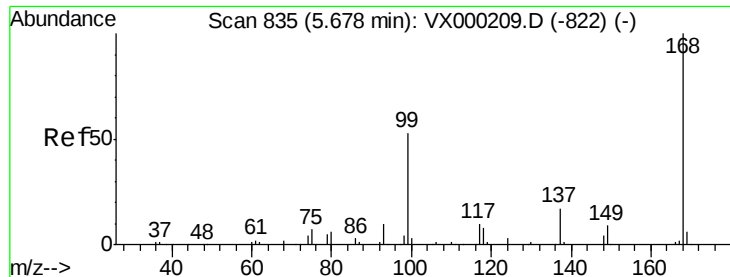
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	556	Below Cal	#	58
6) Chloroethane	1.72	64	104	Below Cal	#	42
10) Methyl Iodide	2.53	142	247	3.29	ug/l #	59
11) Tert butyl alcohol	3.09	59	299	0.45	ug/l #	72
16) Acetone	2.45	43	1936	1.51	ug/l	99
20) Methylene Chloride	2.87	84	762	0.50	ug/l #	81
25) 2-Butanone	4.73	43	559	0.35	ug/l #	50
27) cis-1,2-Dichloroethene	4.61	96	590	0.42	ug/l	74
29) Tetrahydrofuran	5.20	42	377	0.38	ug/l #	71
31) Cyclohexane	5.68	56	2894	1.48	ug/l #	33
36) 1,1-Dichloropropene	5.68	75	10194	5.15	ug/l #	49
38) Carbon Tetrachloride	5.67	117	13661	6.82	ug/l #	16
71) Bromoform	10.88	173	96	3.19	ug/l #	29
76) 1,2,3-Trichloropropane	11.15	75	54348	24.84	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.15	75	54348	76.05	ug/l #	10

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

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180306

Quant Time: Mar 14 00:57:00 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 08 02:15:47 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.00 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

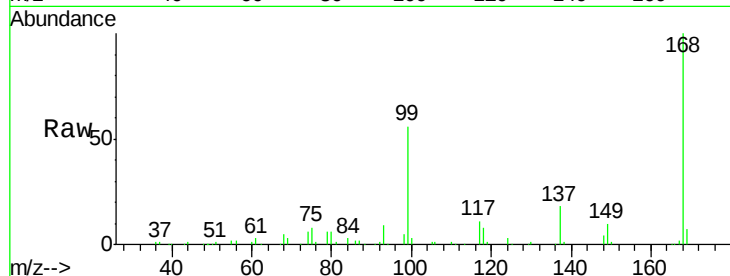
OUTFALL001-180306

Tot Ion:168 Resp: 129059

Ion Ratio Lower Upper

168 100

99 55.9 42.8 64.2

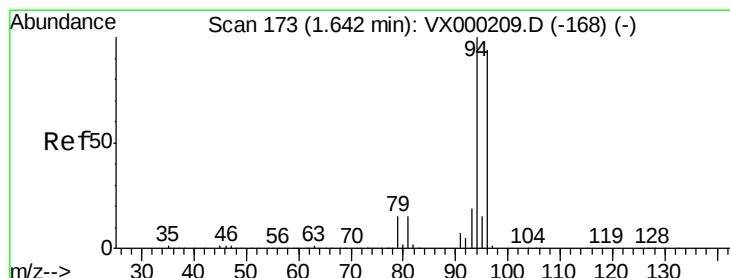
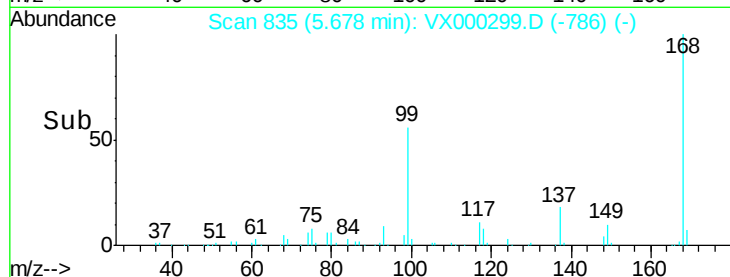


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000299.D

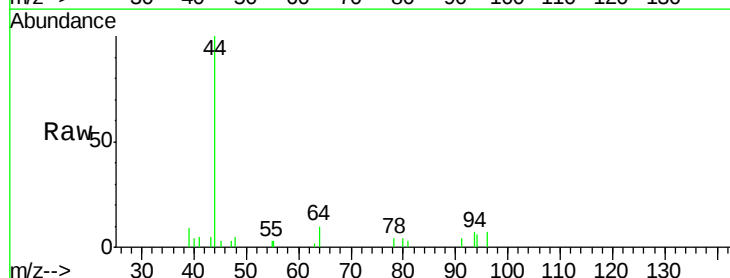
Acq: 13 Mar 2018 14:35

Tgt Ion: 94 Resp: 556

Ion Ratio Lower Upper

94 100

96 53.7 75.3 112.9#

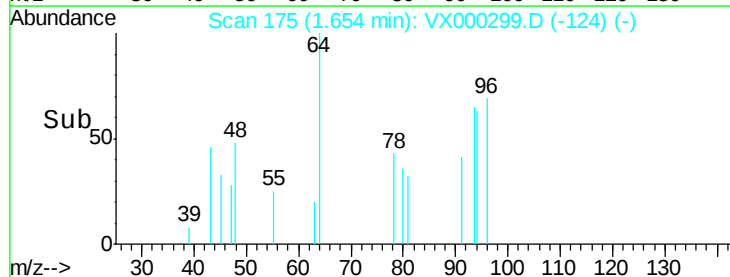


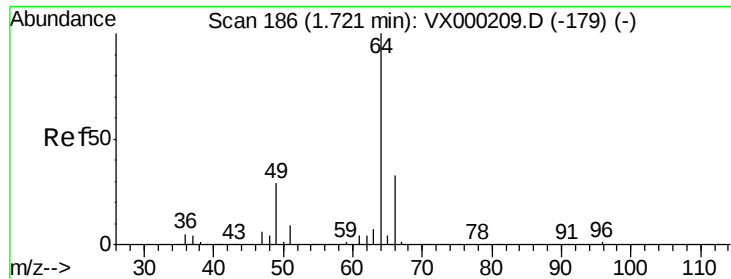
Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

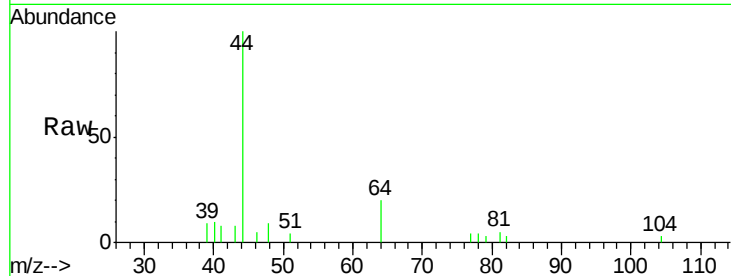
OUTFALL001-180306

Tot Ion: 64 Resp: 104

Ion Ratio Lower Upper

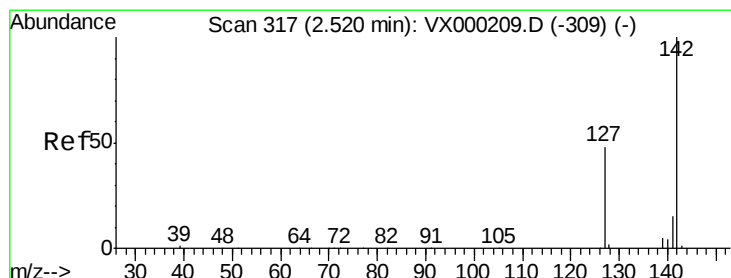
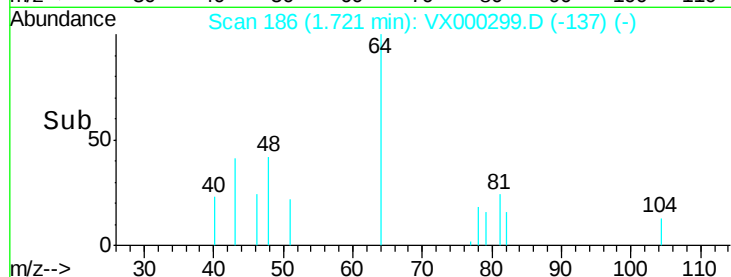
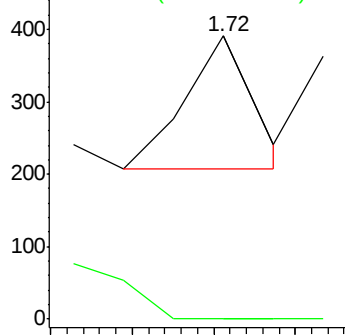
64 100

66 0.0 26.2 39.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 3.29 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

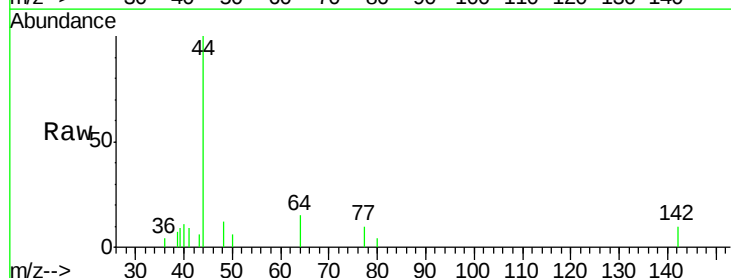
Tgt Ion:142 Resp: 247

Ion Ratio Lower Upper

142 100

127 19.8 39.0 58.6#

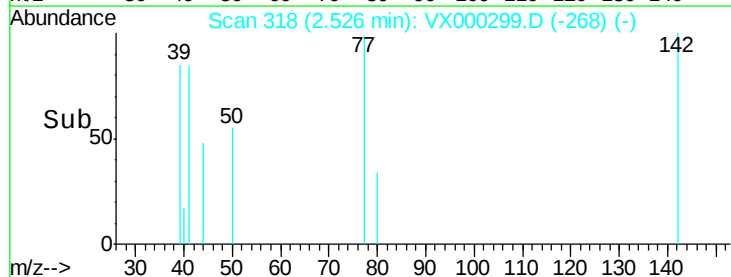
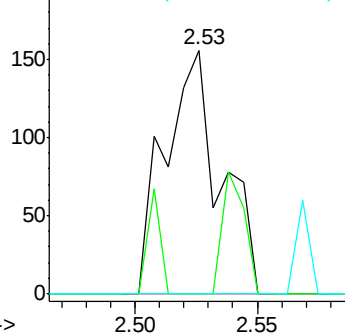
141 0.0 11.6 17.4#

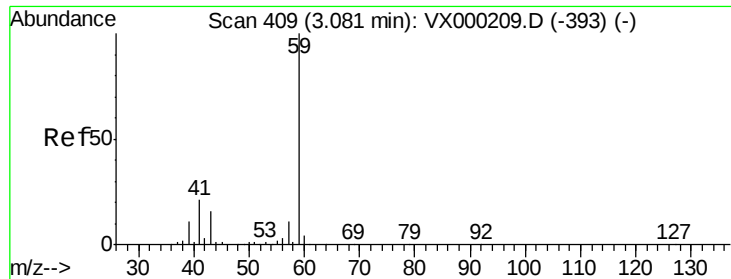


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

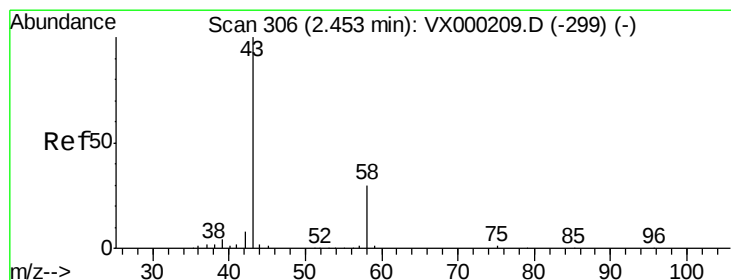
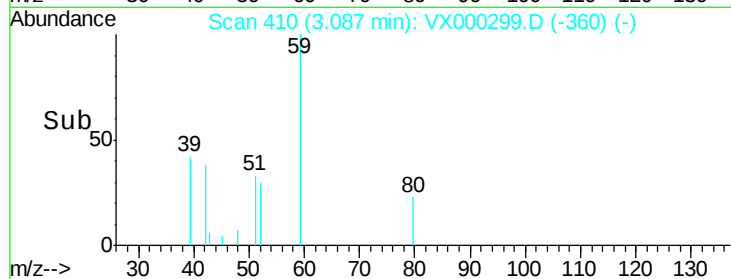
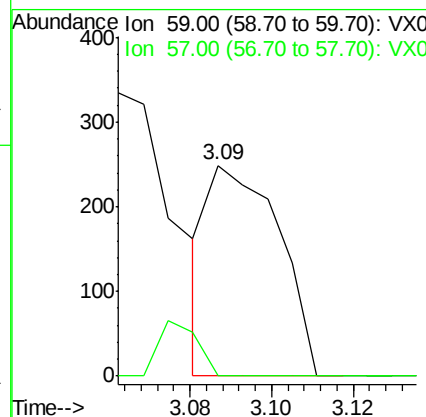
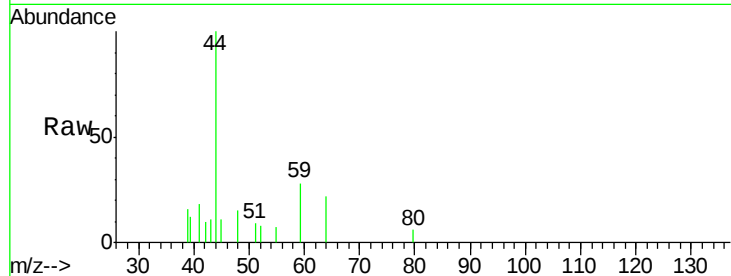




#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

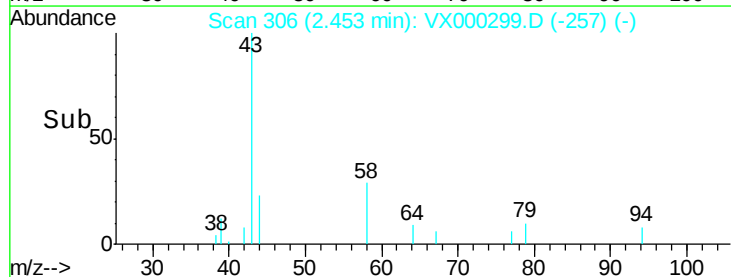
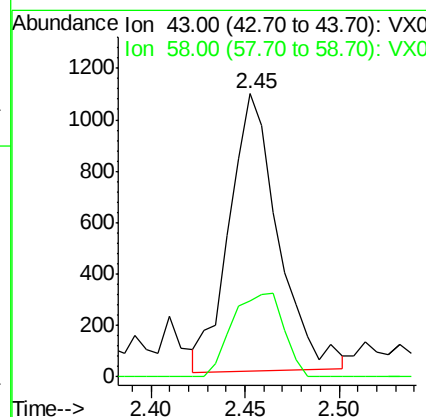
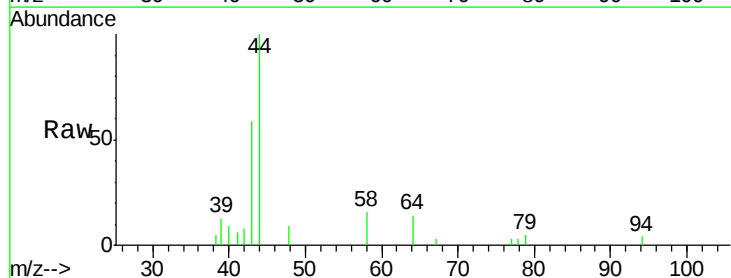
Instrument :
MSVOA_X
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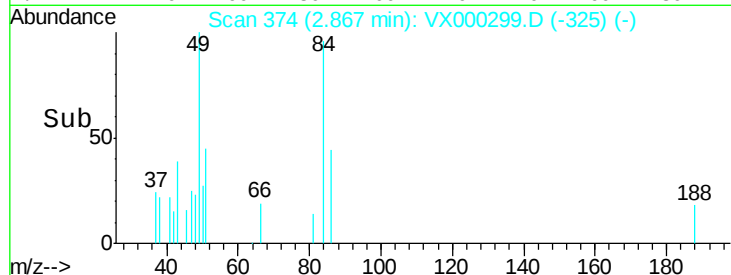
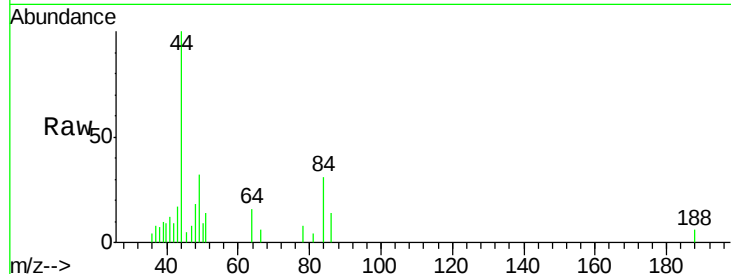
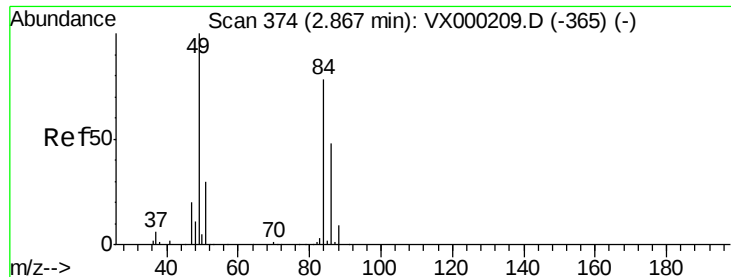
Tot Ion: 59 Resp: 299
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 1.51 ug/l
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

Tgt Ion: 43 Resp: 1936
Ion Ratio Lower Upper
43 100
58 29.0 23.8 35.6

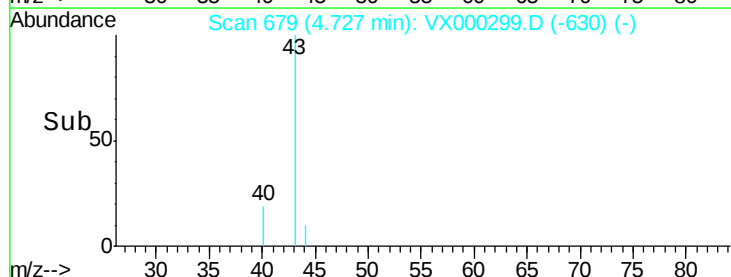
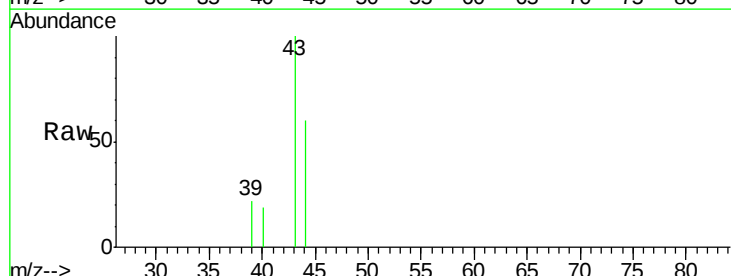
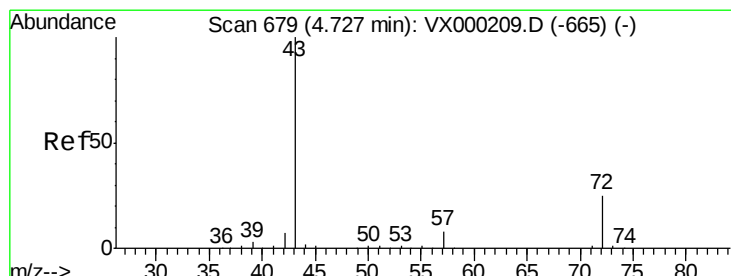
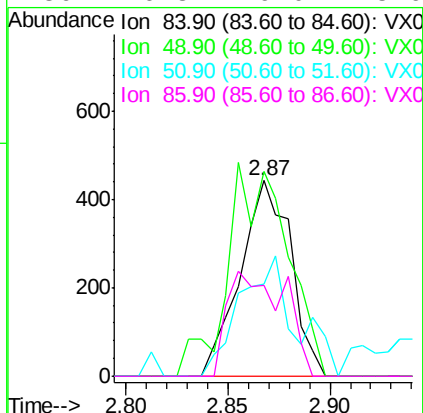




#20
Methylene Chloride
Concen: 0.50 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

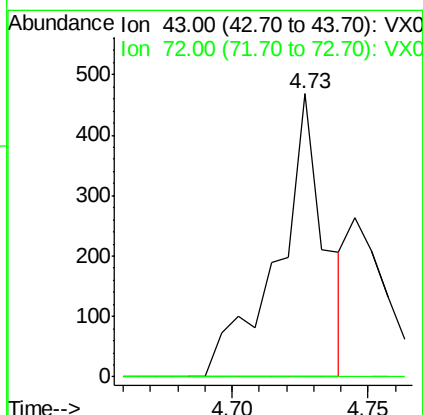
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180306

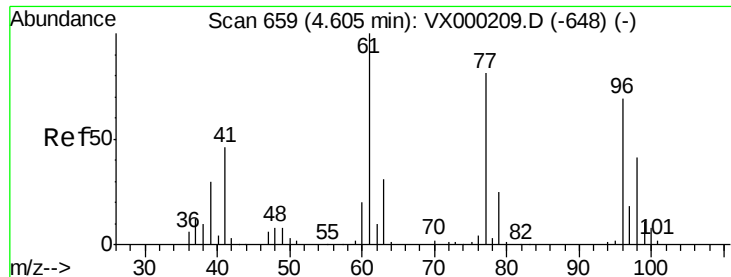
Tot Ion: 84 Resp: 762
Ion Ratio Lower Upper
84 100
49 104.5 102.1 153.1
51 47.2 30.6 45.8#
86 46.3 49.0 73.6#



#25
2-Butanone
Concen: 0.35 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

Tgt Ion: 43 Resp: 559
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#27

cis-1,2-Dichloroethene

Concen: 0.42 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-180306

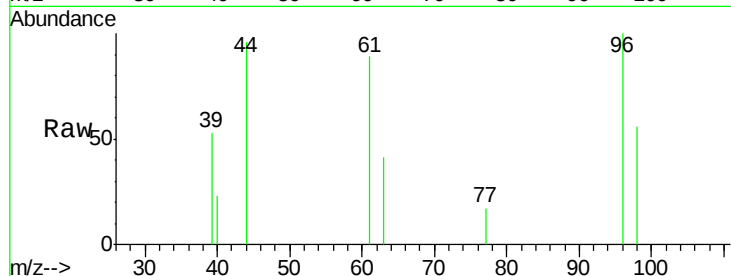
Tot Ion: 96 Resp: 590

Ion Ratio Lower Upper

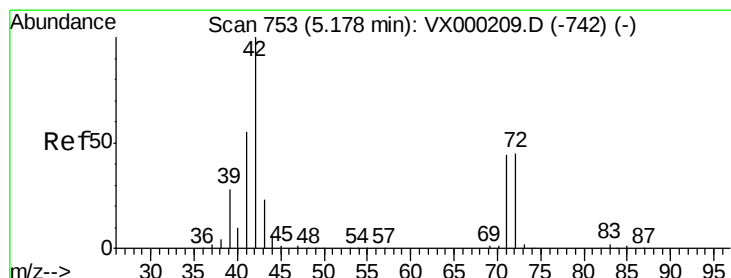
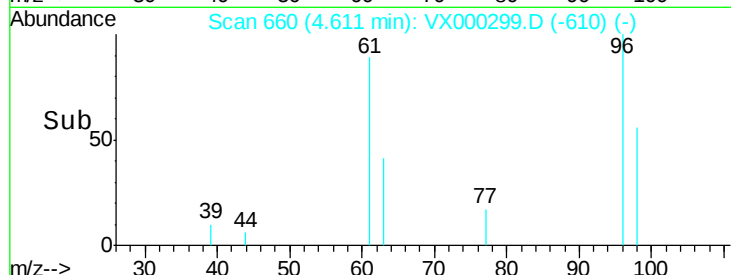
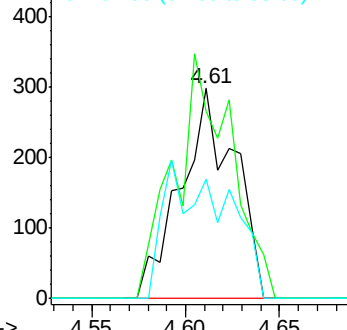
96 100

61 121.7 0.0 296.4

98 34.9 0.0 130.6



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



#29

Tetrahydrofuran

Concen: 0.38 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

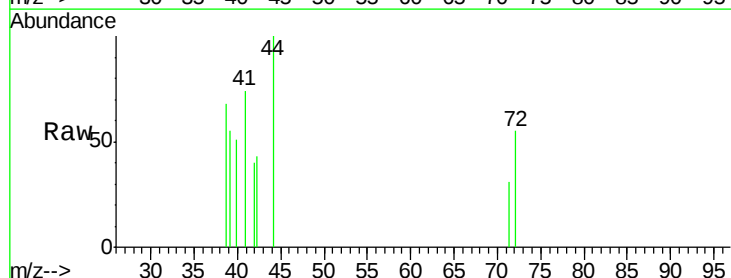
Tgt Ion: 42 Resp: 377

Ion Ratio Lower Upper

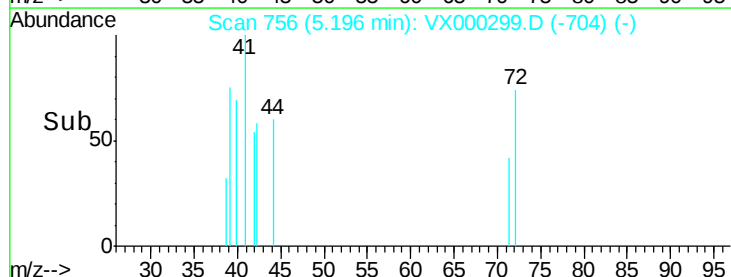
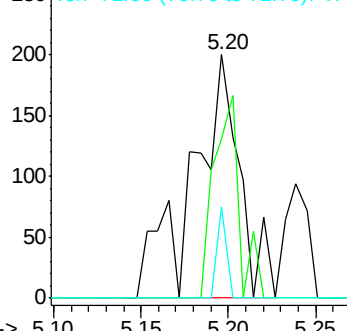
42 100

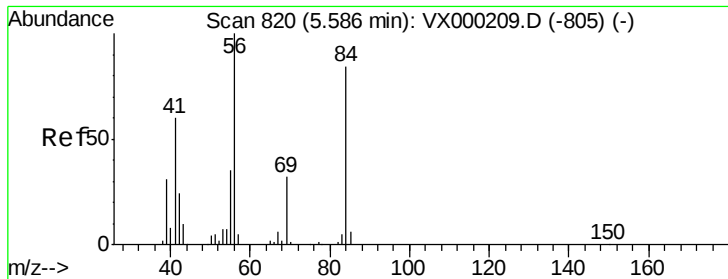
72 44.6 37.3 55.9

71 7.2 35.0 52.4#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

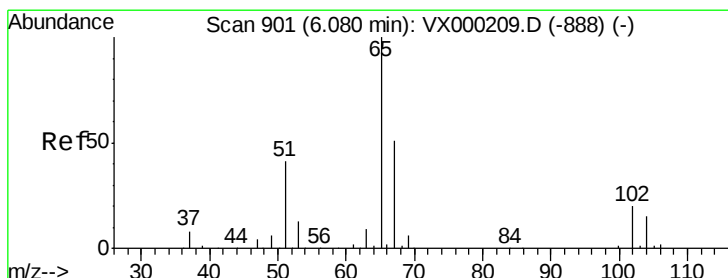
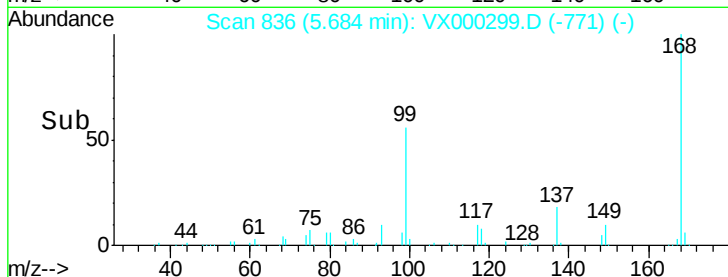
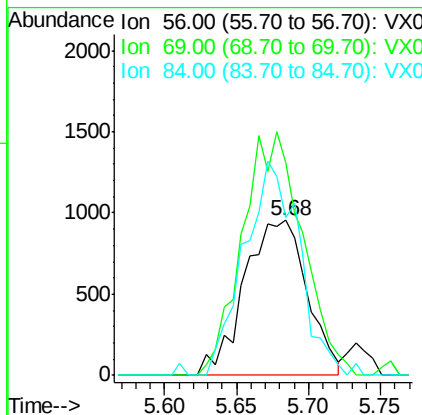
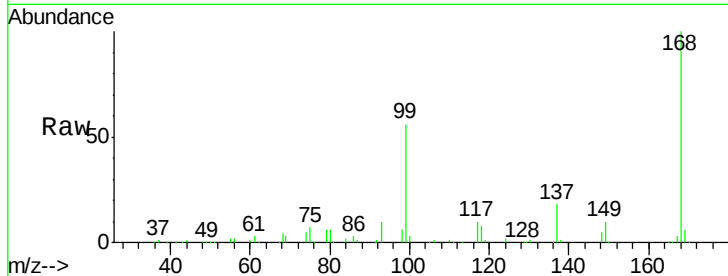




#31
Cvclohexane
Concen: 1.48 ug/l
RT: 5.68 min Scan# 836
Delta R.T. 0.10 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

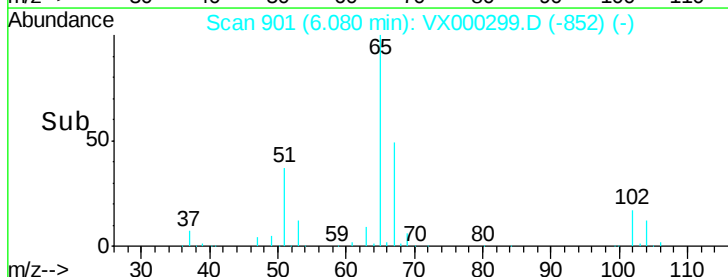
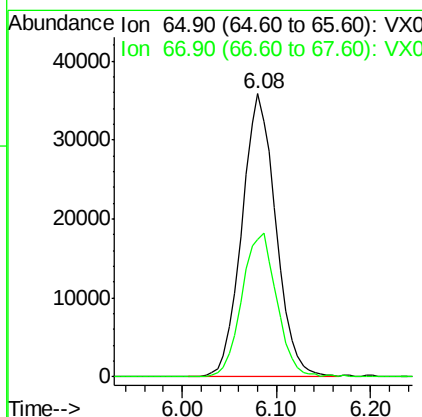
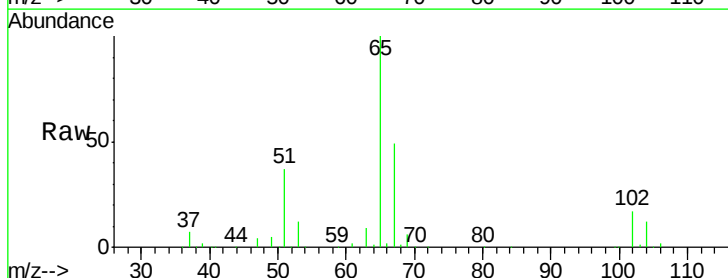
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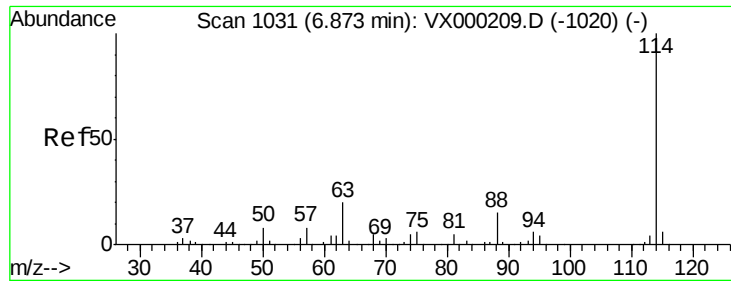
Tot Ion: 56 Resp: 2894
Ion Ratio Lower Upper
56 100
69 137.5 25.3 37.9#
84 102.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.68 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

Tgt Ion: 65 Resp: 90665
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

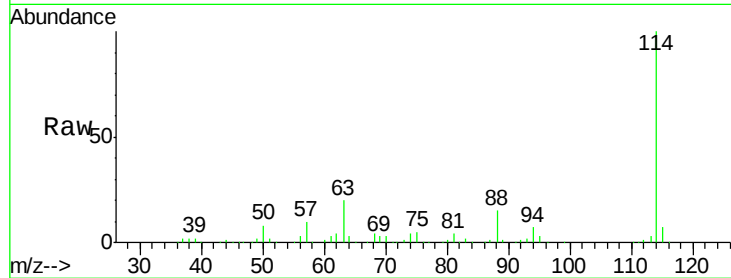




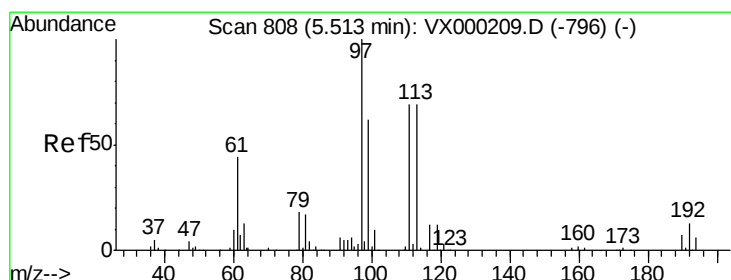
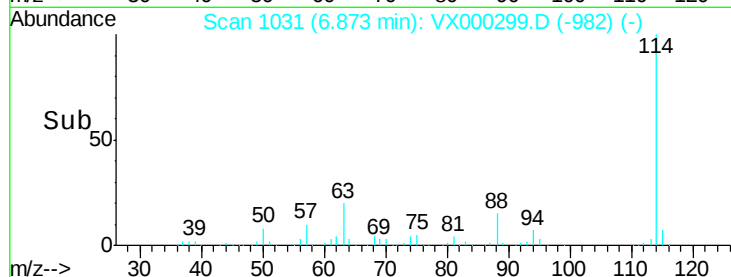
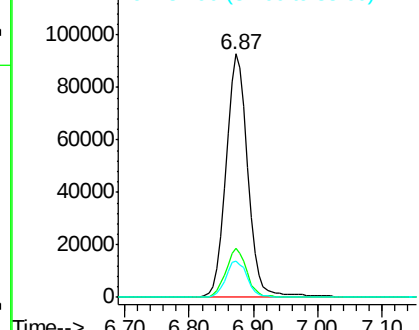
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180306

Tot Ion:114 Resp: 222438
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.2
88 15.0 0.0 29.8

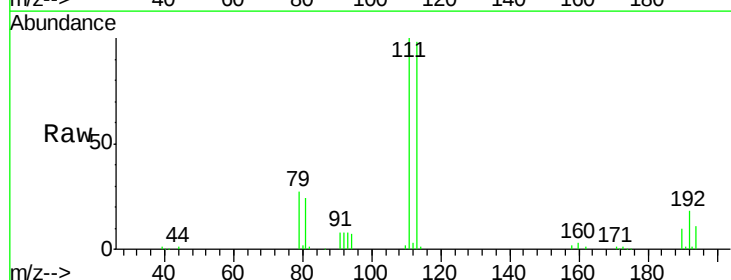


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

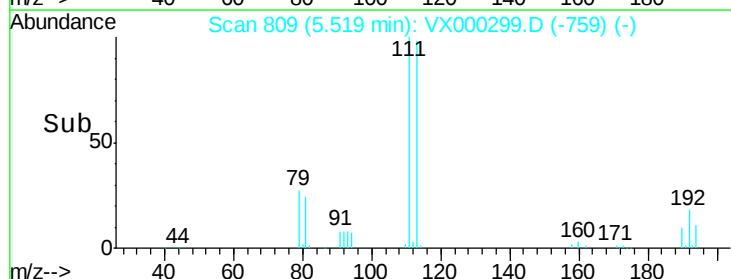
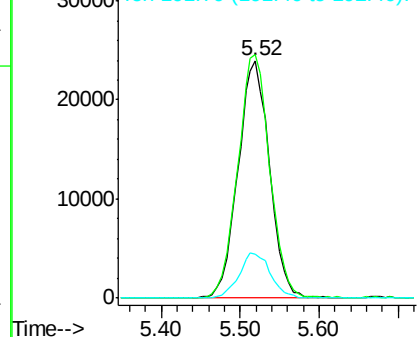


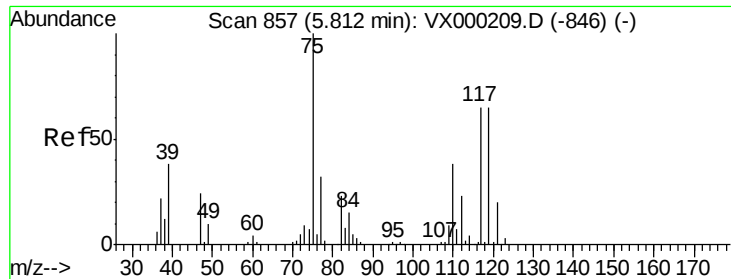
#35
Dibromofluoromethane
Concen: 47.52 ug/l
RT: 5.52 min Scan# 809
Delta R.T. 0.01 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

Tgt Ion:113 Resp: 66392
Ion Ratio Lower Upper
113 100
111 104.4 83.0 124.6
192 19.1 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

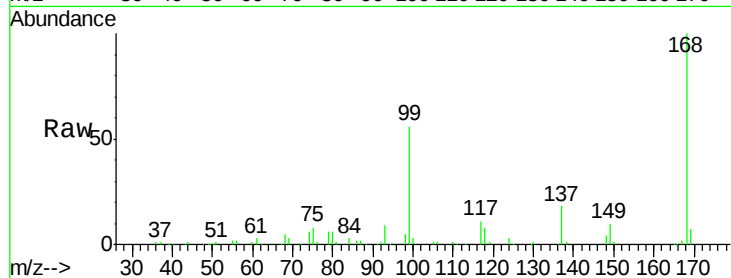




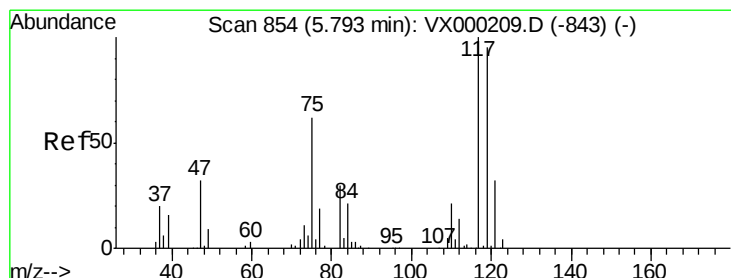
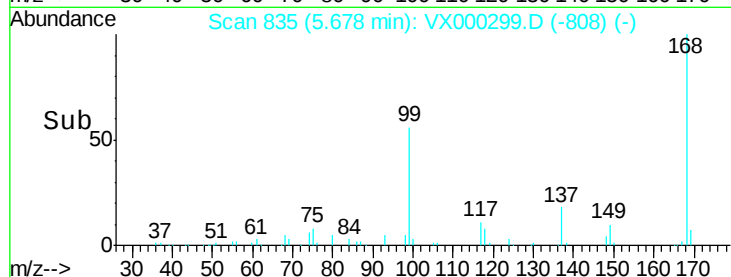
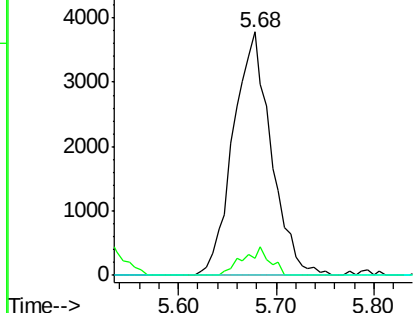
#36
 1,1-Dichloropropene
 Concen: 5.15 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000299.D
 Acq: 13 Mar 2018 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL001-180306

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.5#
77	0.0	24.9	37.3#

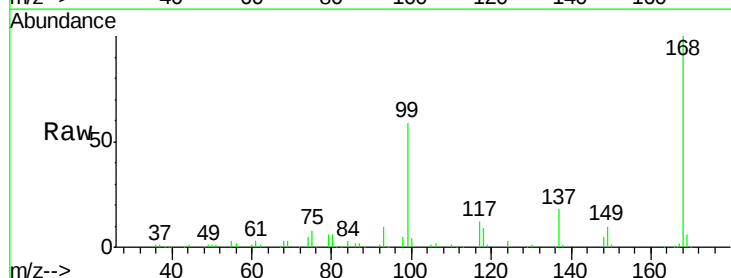


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

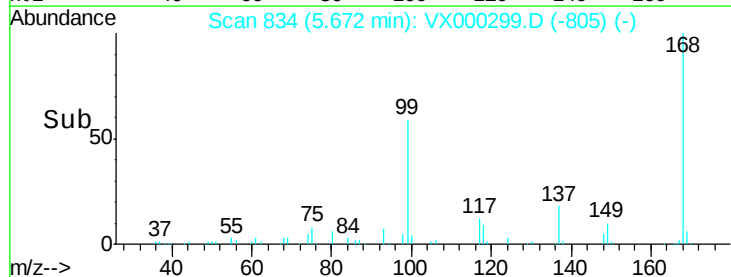
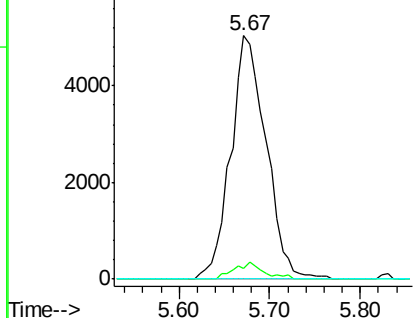


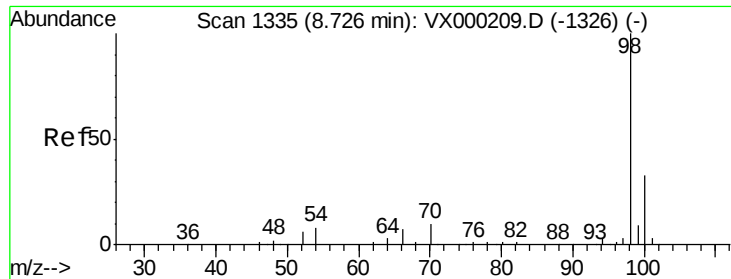
#38
 Carbon Tetrachloride
 Concen: 6.82 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000299.D
 Acq: 13 Mar 2018 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	75.9	113.9#
121	0.0	25.8	38.6#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

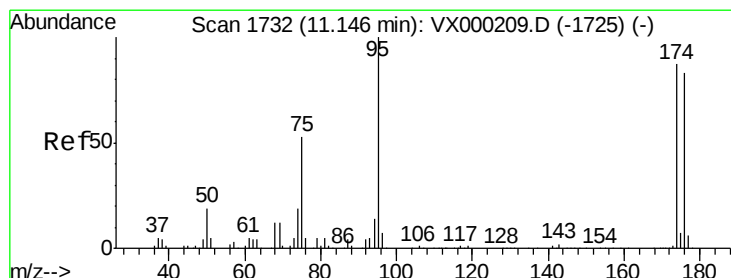
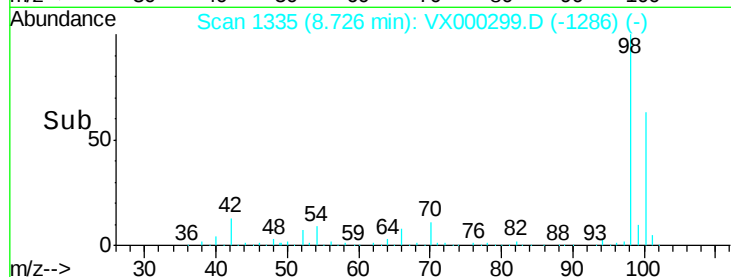
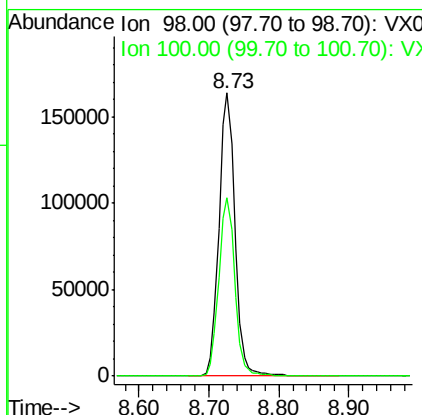
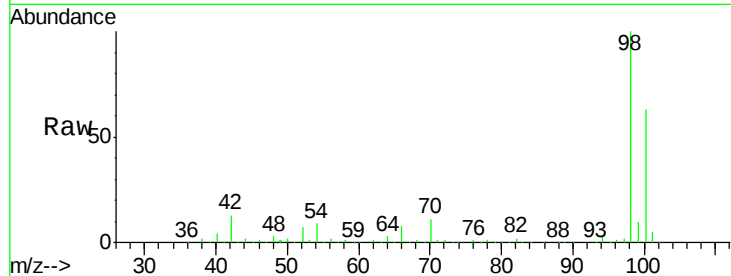




#50
Toluene-d8
Concen: 45.18 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

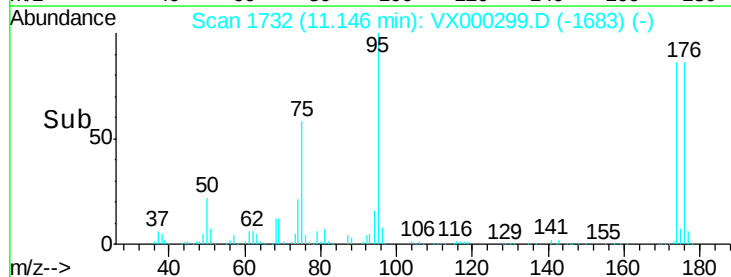
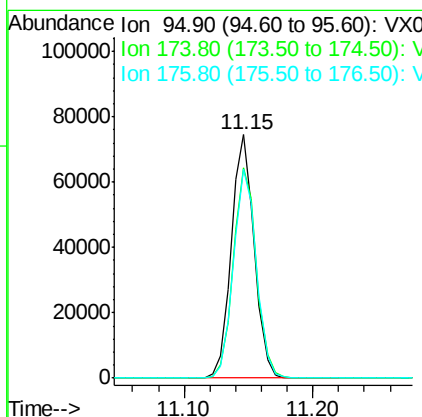
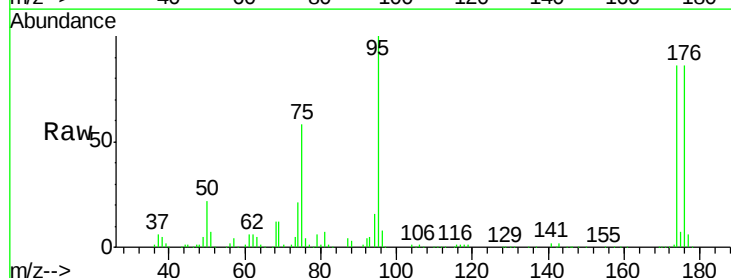
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL001-180306

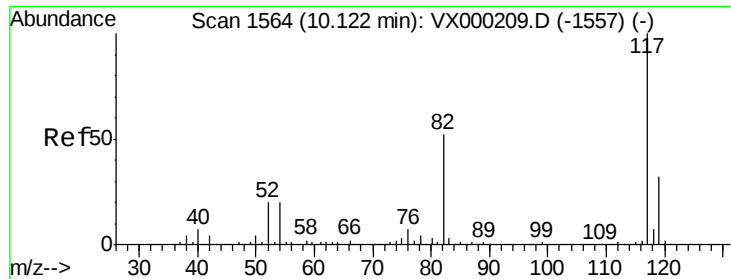
Tot Ion: 98 Resp: 261441
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 40.94 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000299.D
Acq: 13 Mar 2018 14:35

Tgt Ion: 95 Resp: 92474
Ion Ratio Lower Upper
95 100
174 87.3 0.0 175.6
176 86.2 0.0 171.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-180306

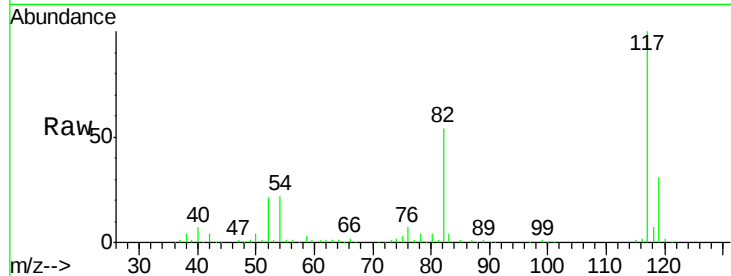
Tot Ion:117 Resp: 210183

Ion Ratio Lower Upper

117 100

82 53.6 42.0 63.0

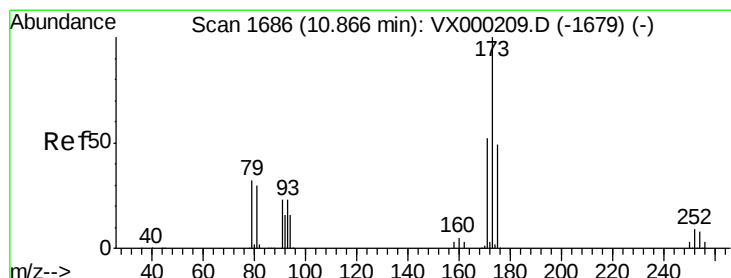
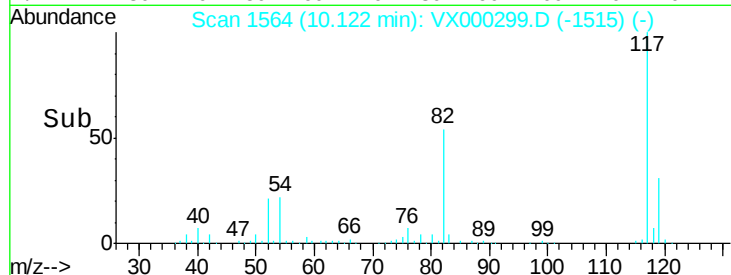
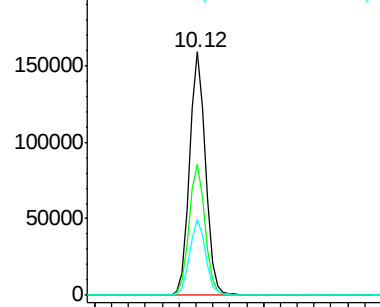
119 31.4 25.3 37.9



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



#71

Bromoform

Concen: 3.19 ug/l

RT: 10.88 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

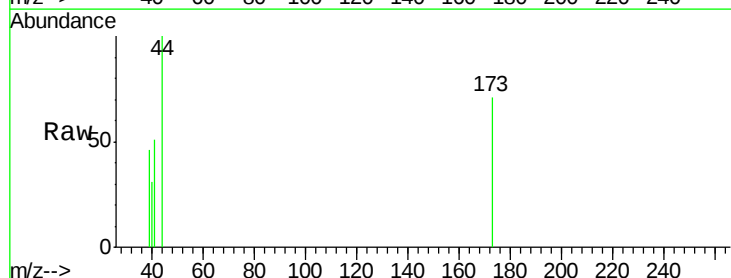
Tgt Ion:173 Resp: 96

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

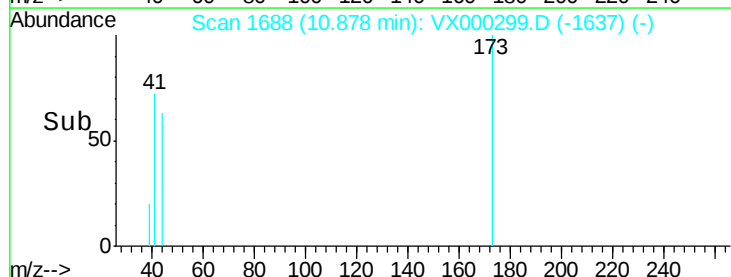
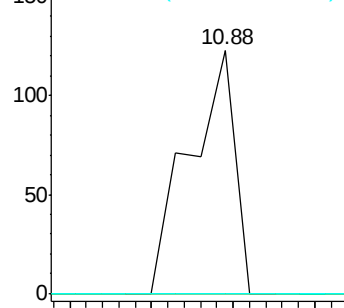
254 0.0 0.2 0.2#

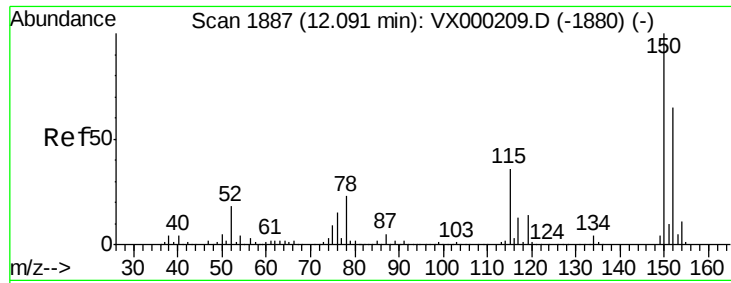


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-180306

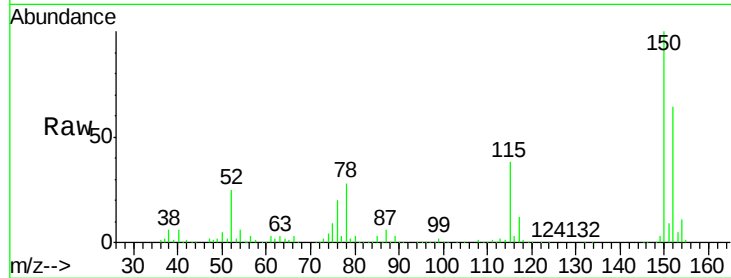
Tot Ion:152 Resp: 109163

Ion Ratio Lower Upper

152 100

115 57.8 39.8 119.3

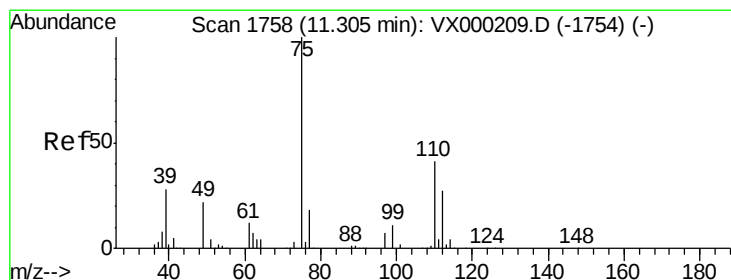
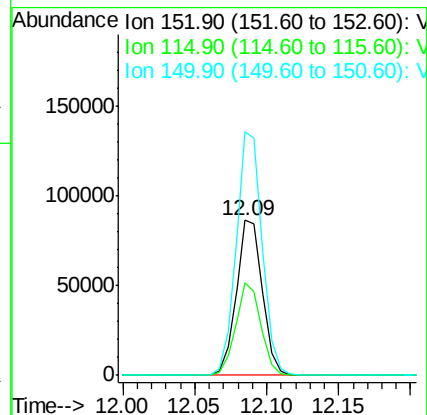
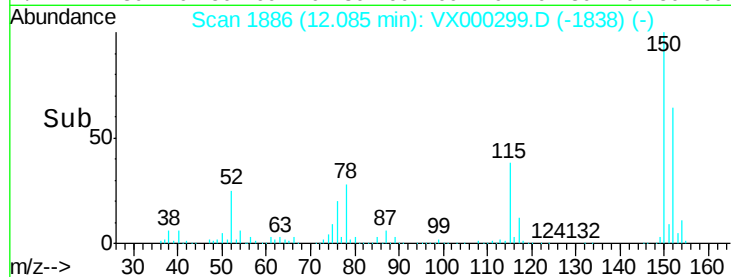
150 157.0 0.0 345.0



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: 24.84 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000299.D

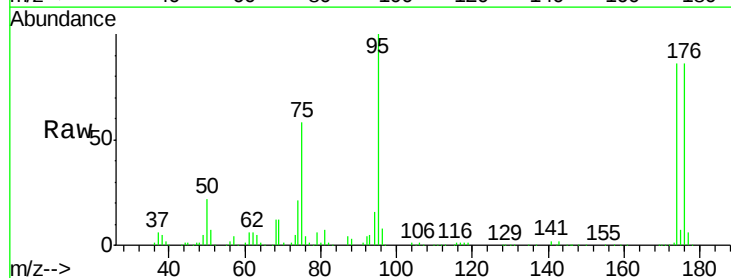
Acq: 13 Mar 2018 14:35

Tgt Ion: 75 Resp: 54348

Ion Ratio Lower Upper

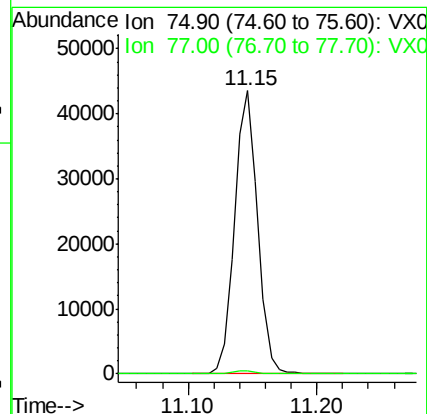
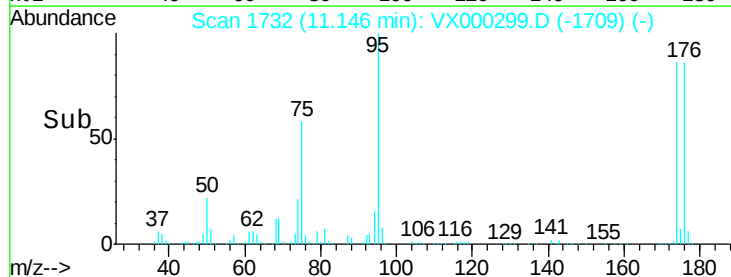
75 100

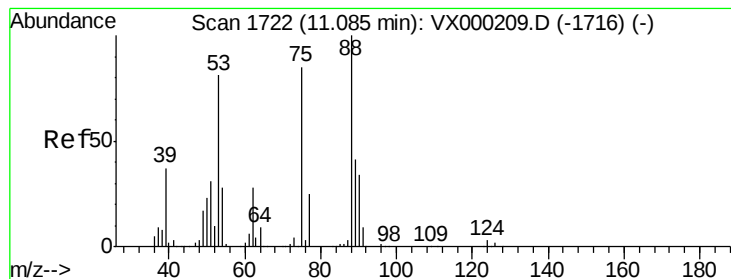
77 1.1 22.3 66.8#



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: 76.05 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000299.D

Acq: 13 Mar 2018 14:35

Instrument :

MSVOA_X

ClientSampleId :

OUTFALL001-180306

Tot Ion: 75 Resp: 54348

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 38.8 58.2#

