

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025700.D
 Acq On : 28 Jul 2018 04:12
 Operator : MD/SY
 Sample : J4153-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-180724

Quant Time: Jul 28 05:33:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	173727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	270161	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	265991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	160074	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	135361	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	4.89	113	114091	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	7.57	98	391059	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
62) 4-Bromofluorobenzene	10.31	95	151598	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	

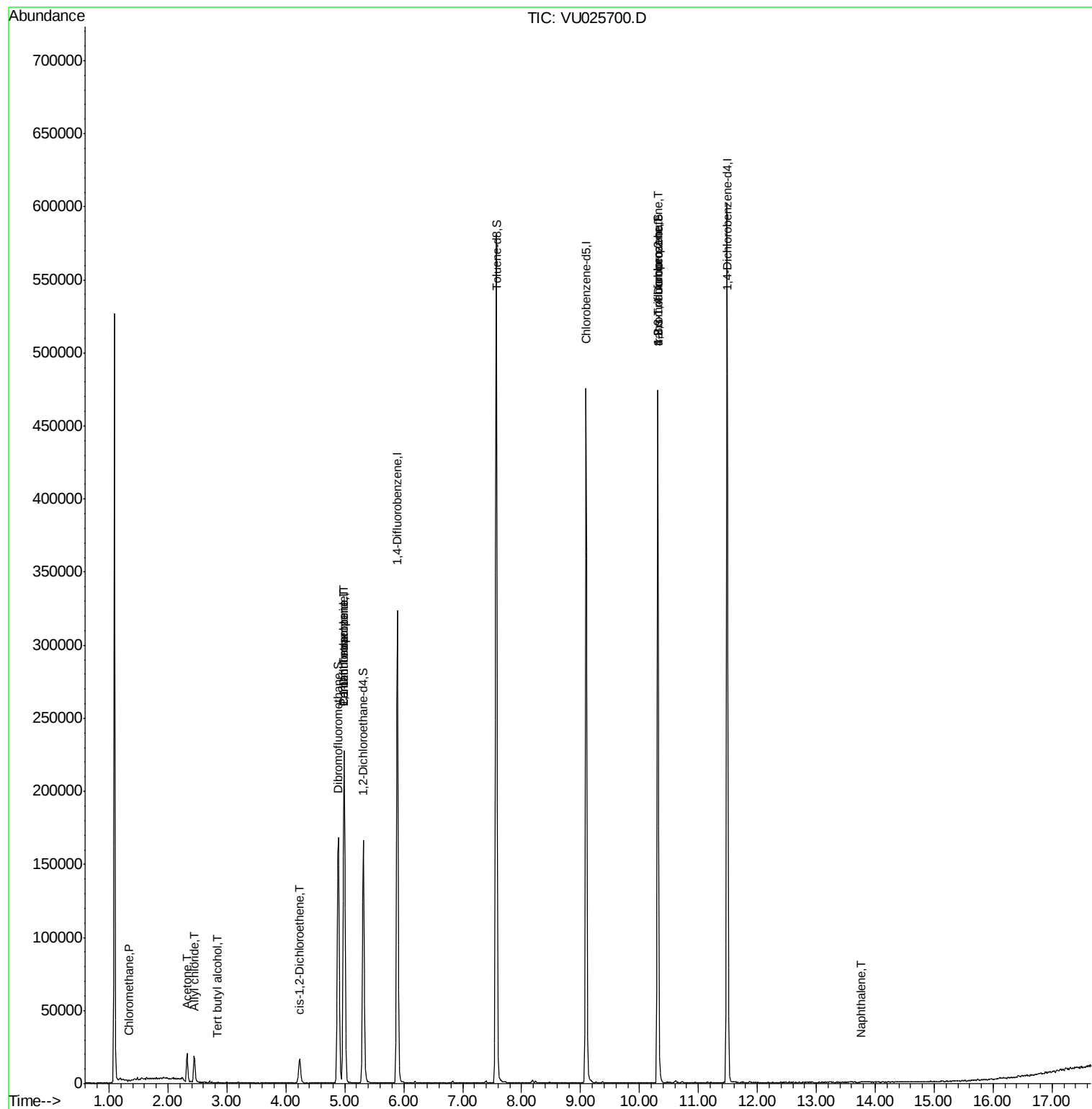
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	506	0.20	ug/l	92
11) Tert butyl alcohol	2.82	59	220	0.37	ug/l #	73
13) Acrolein	2.16	56	48	Below Cal	#	14
14) Allyl chloride	2.45	41	2133	0.64	ug/l #	76
16) Acetone	2.32	43	20964	15.89	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	9561	3.93	ug/l	89
31) Cyclohexane	4.99	56	3340	Below Cal	#	35
36) 1,1-Dichloropropene	4.99	75	13159	4.17	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16729	4.68	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	78226	22.18	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	78226	55.62	ug/l #	100
95) Naphthalene	13.76	128	318	1.28	ug/l #	69

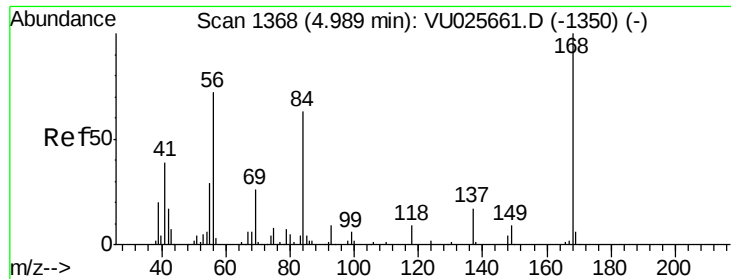
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

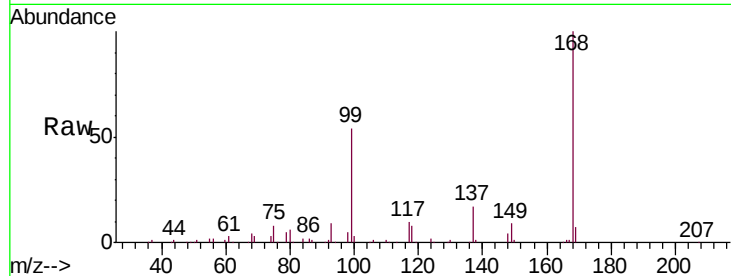
OUTFALL001-180724

Tot Ion:168 Resp: 173727

Ion Ratio Lower Upper

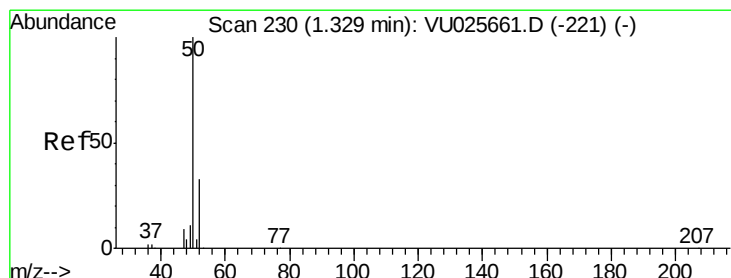
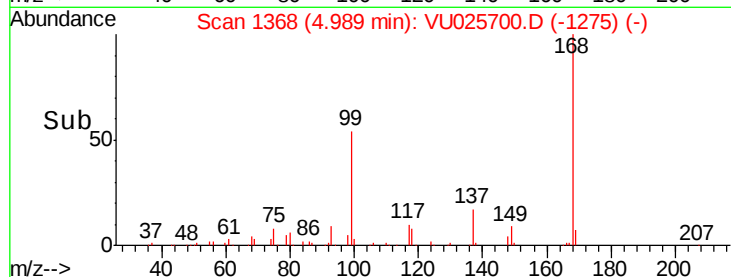
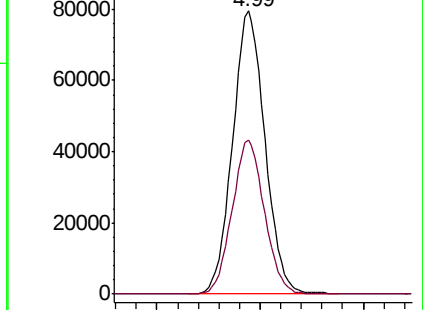
168 100

99 54.4 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#3

Chloromethane

Concen: 0.20 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025700.D

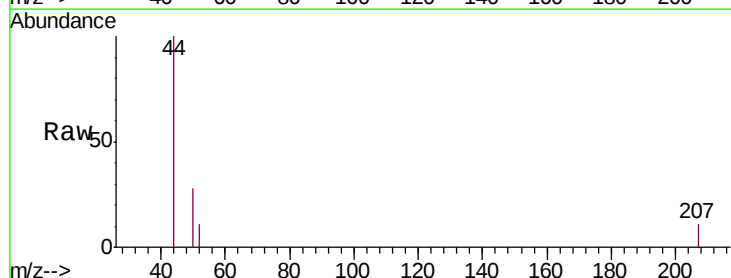
Acq: 28 Jul 2018 04:12

Tgt Ion: 50 Resp: 506

Ion Ratio Lower Upper

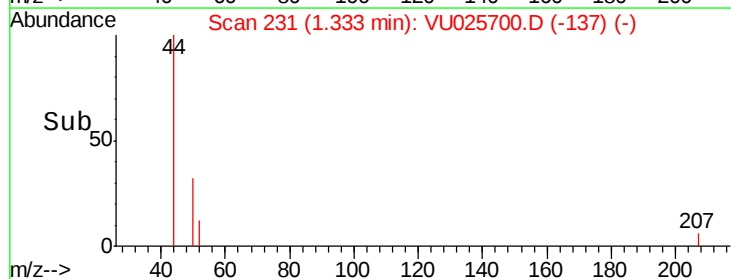
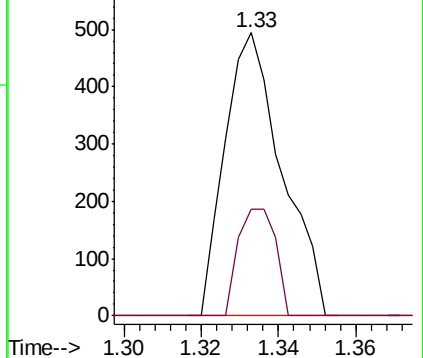
50 100

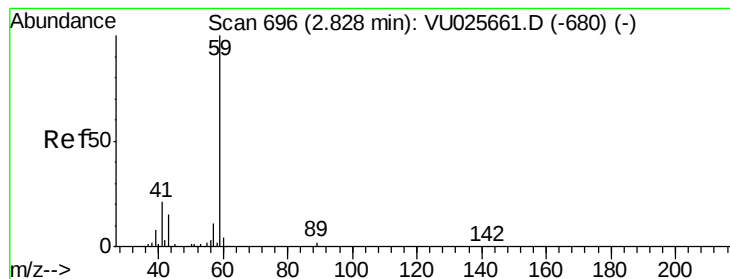
52 37.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025661.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU025661.D (-221) (-)



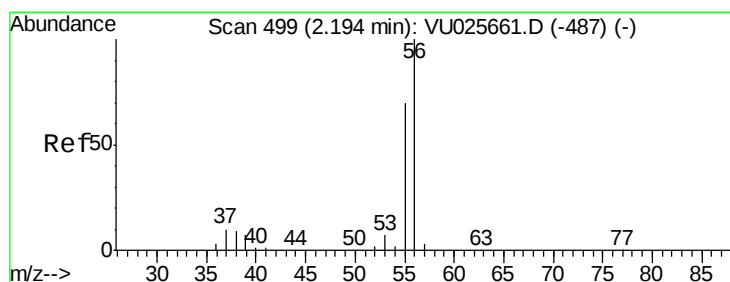
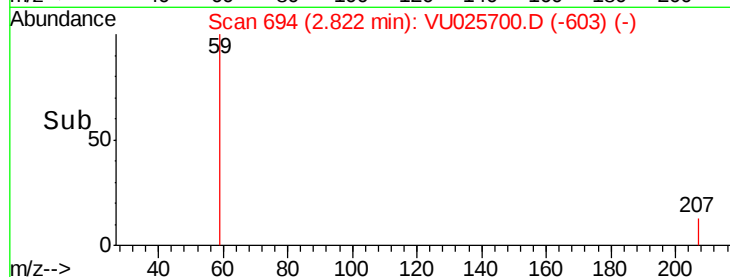
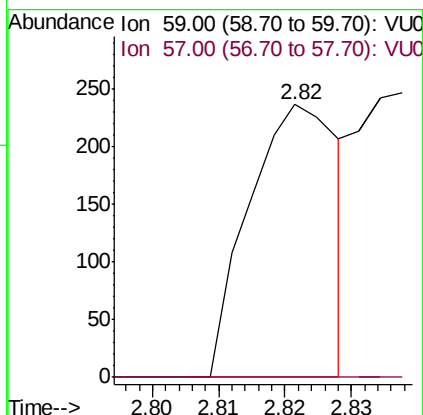
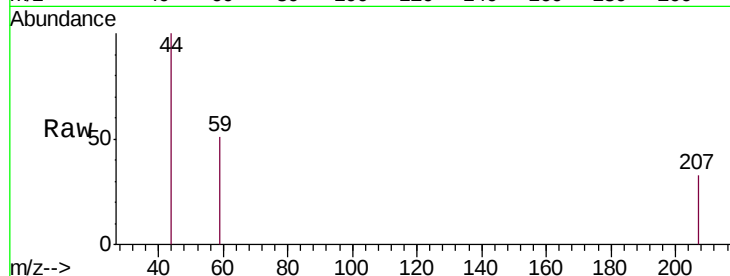


#11

Tert butyl alcohol
 Concen: 0.37 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: VU025700.D
 Acq: 28 Jul 2018 04:12

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-180724

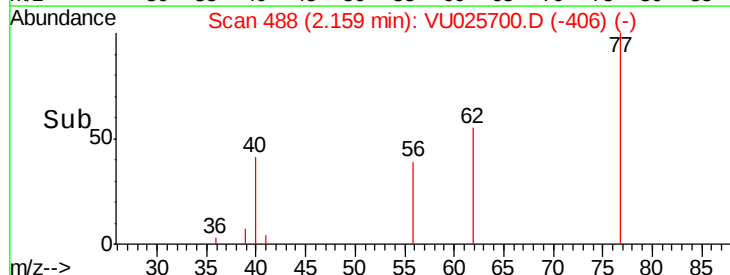
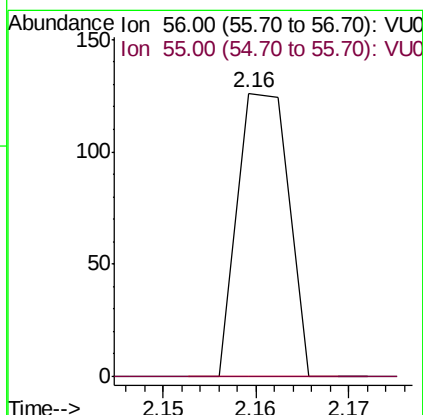
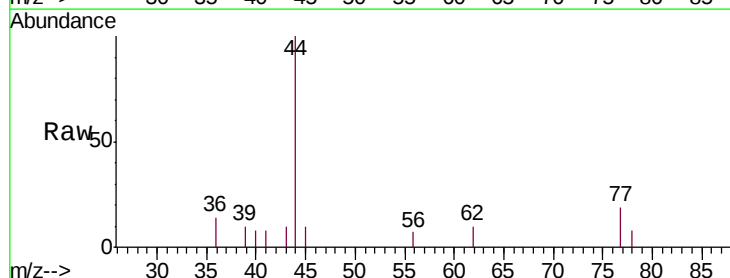
Tot Ion: 59 Resp: 220
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

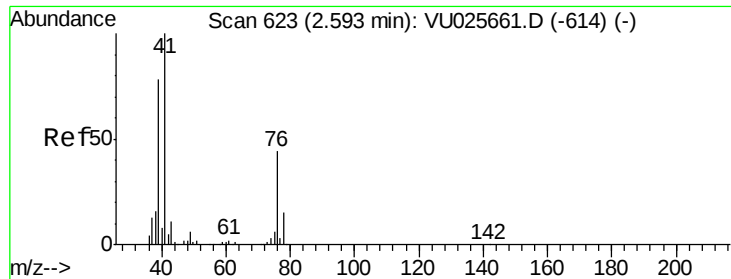


#13

Acrolein
 Concen: Below Cal
 RT: 2.16 min Scan# 488
 Delta R.T. -0.03 min
 Lab File: VU025700.D
 Acq: 28 Jul 2018 04:12

Tgt Ion: 56 Resp: 48
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.2 85.8#





#14

Allvl chloride

Concen: 0.64 ug/l

RT: 2.45 min Scan# 577

Delta R.T. -0.15 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-180724

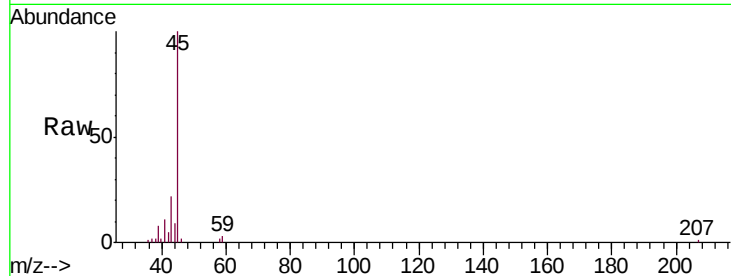
Tot Ion: 41 Resp: 2133

Ion Ratio Lower Upper

41 100

39 79.7 60.6 91.0

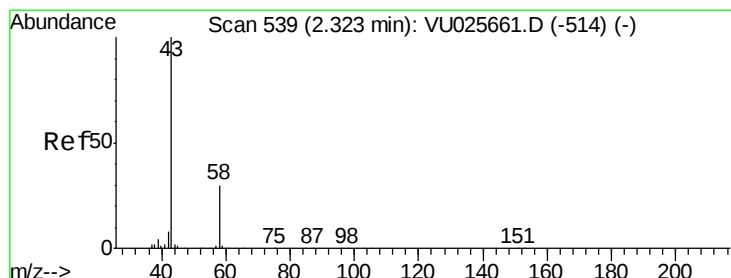
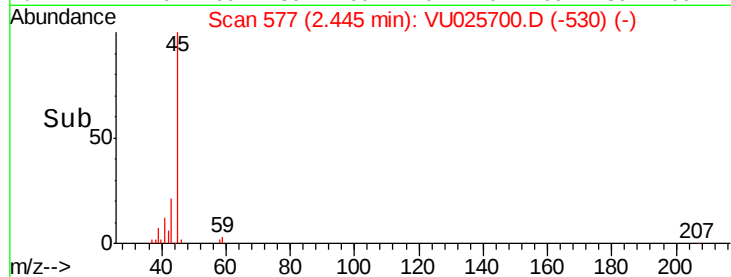
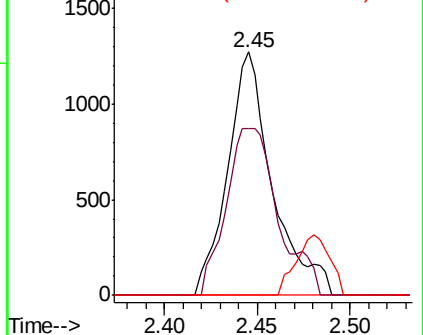
76 0.0 30.5 45.7#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 15.89 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025700.D

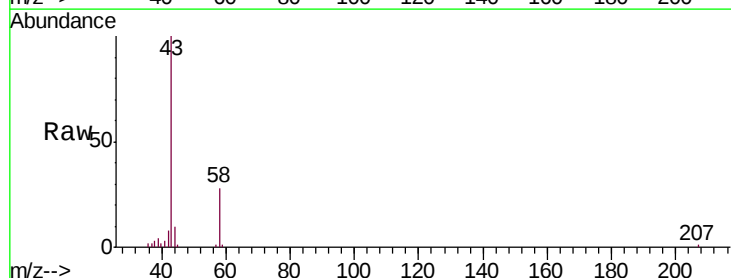
Acq: 28 Jul 2018 04:12

Tgt Ion: 43 Resp: 20964

Ion Ratio Lower Upper

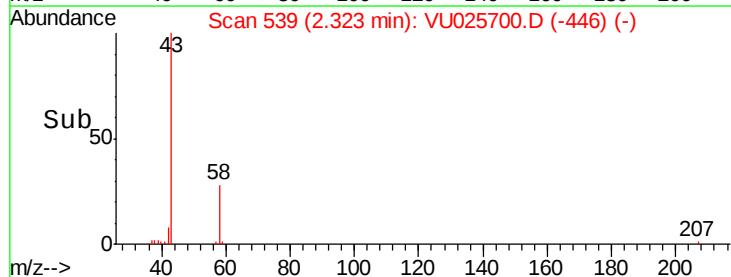
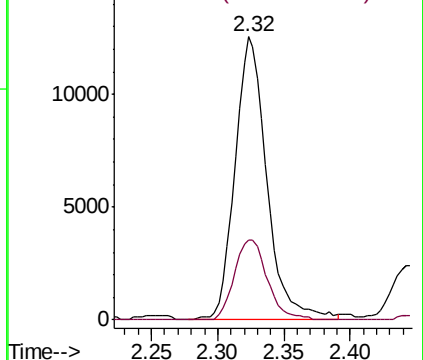
43 100

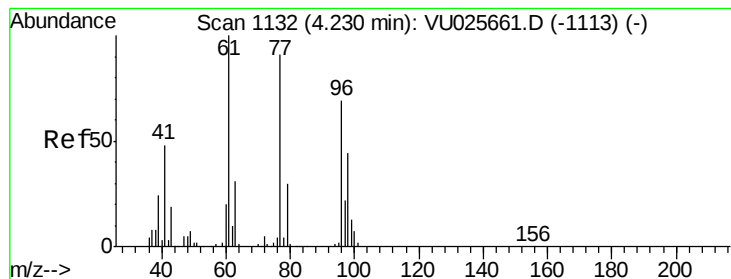
58 28.3 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#27

cis-1,2-Dichloroethene

Concen: 3.93 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-180724

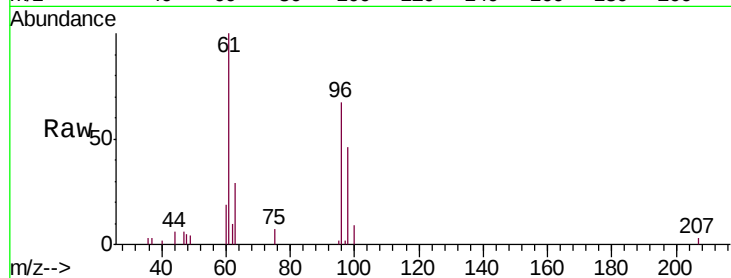
Tot Ion: 96 Resp: 9561

Ion Ratio Lower Upper

96 100

61 130.1 0.0 299.8

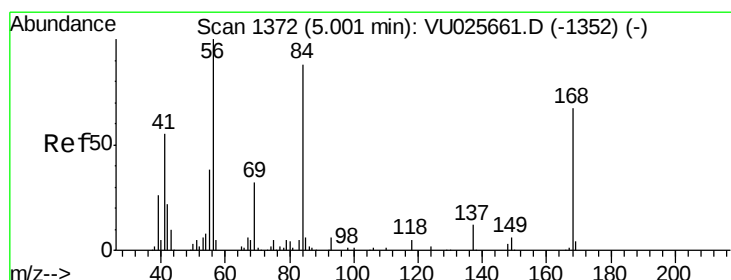
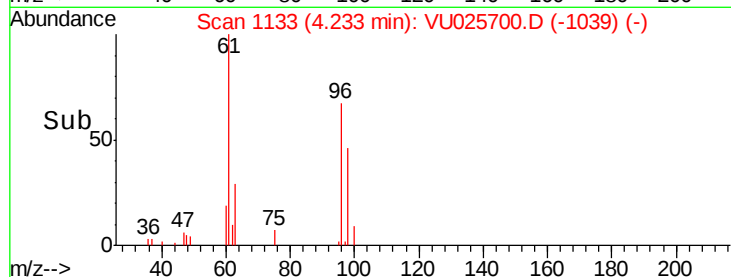
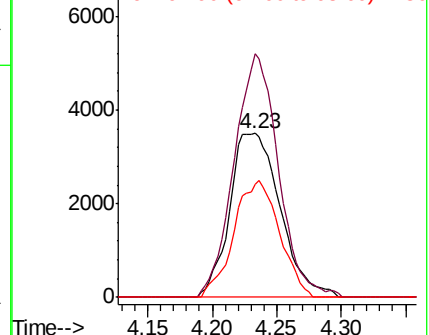
98 64.3 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1369

Delta R.T. -0.01 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

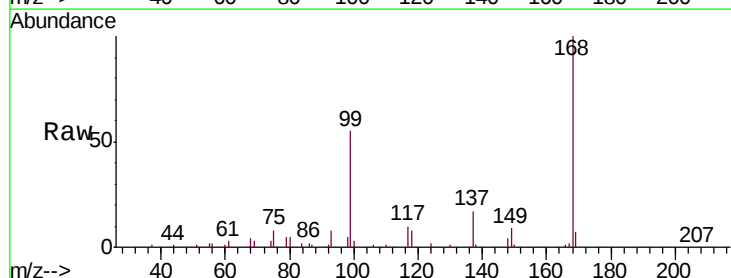
Tgt Ion: 56 Resp: 3340

Ion Ratio Lower Upper

56 100

69 138.0 26.8 40.2#

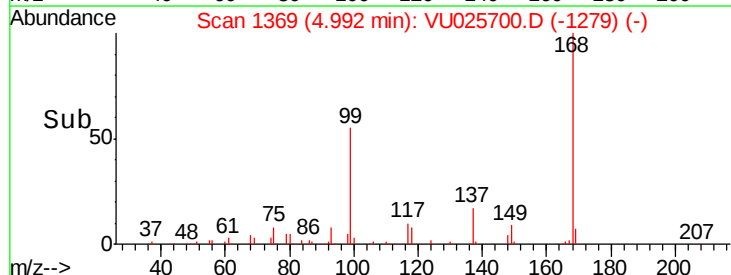
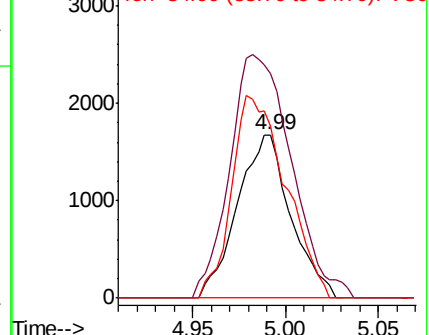
84 105.6 69.7 104.5#

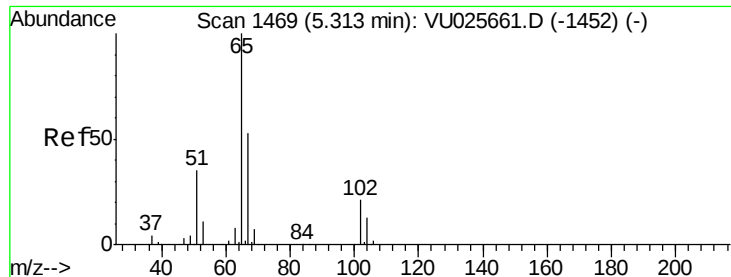


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

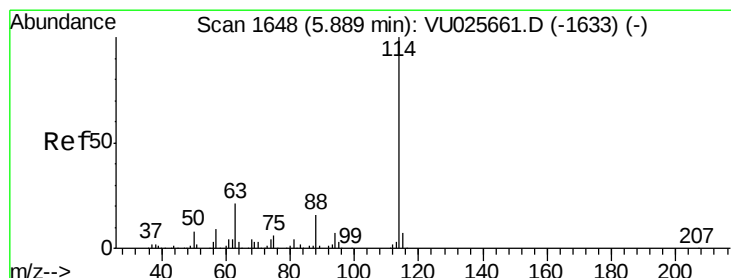
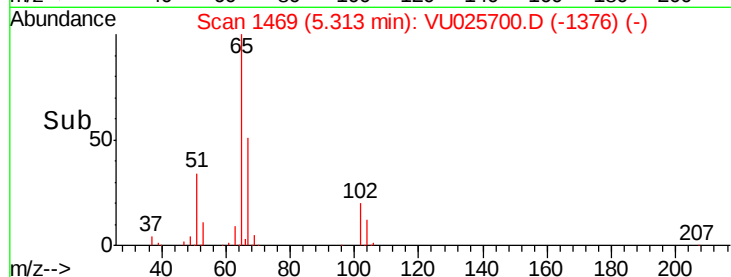
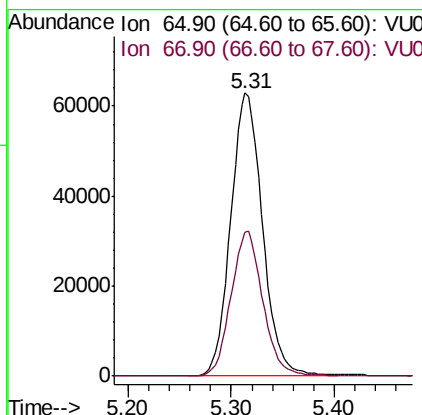
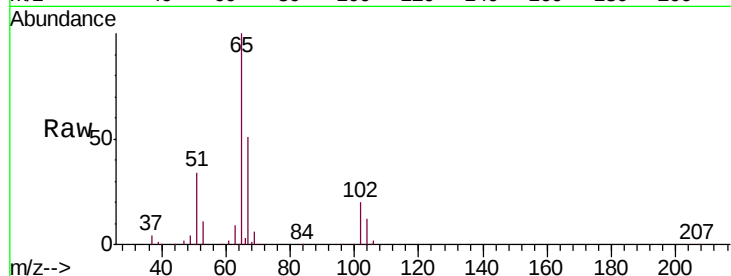




#33
 1,2-Dichloroethane-d4
 Concen: 50.01 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025700.D
 Acq: 28 Jul 2018 04:12

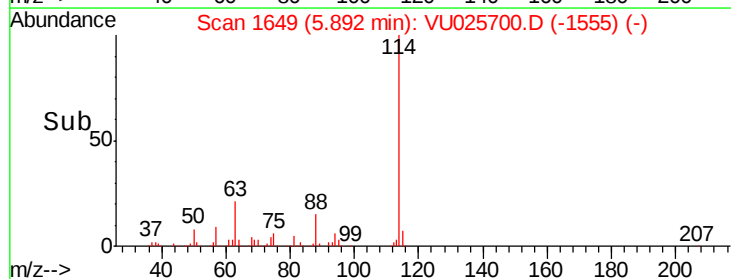
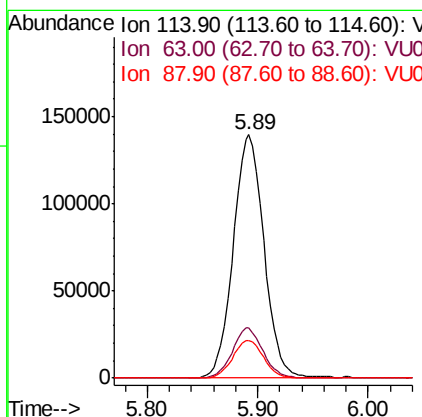
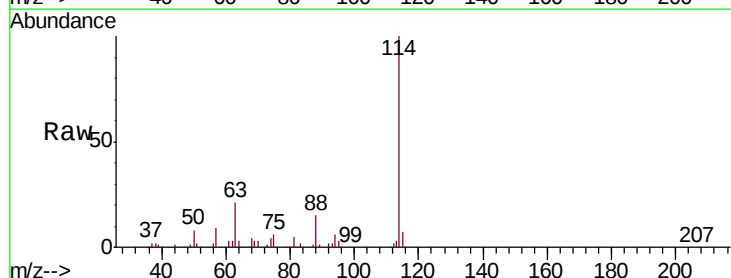
Instrument :
 MSVOA_U
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 OUTFALL001-180724

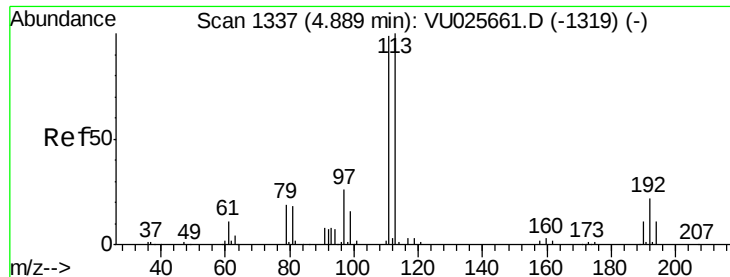
Tot Ion: 65 Resp: 135361
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025700.D
 Acq: 28 Jul 2018 04:12

Tgt Ion: 114 Resp: 270161
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 41.6
 88 15.4 0.0 32.4

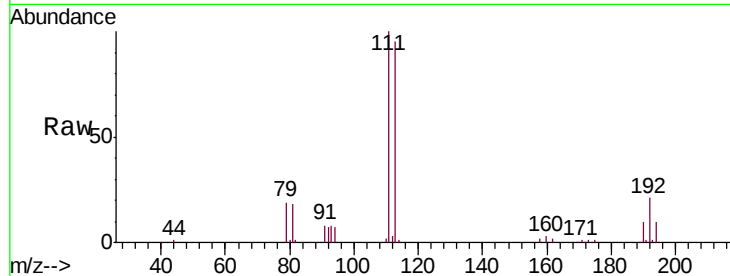




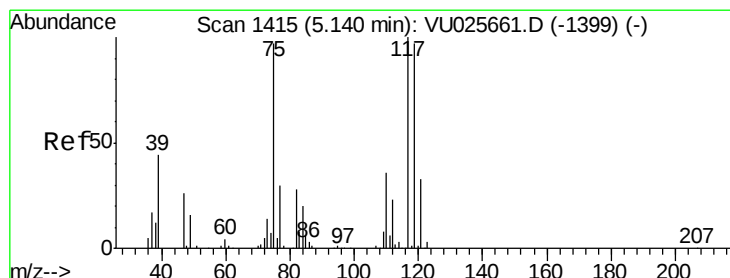
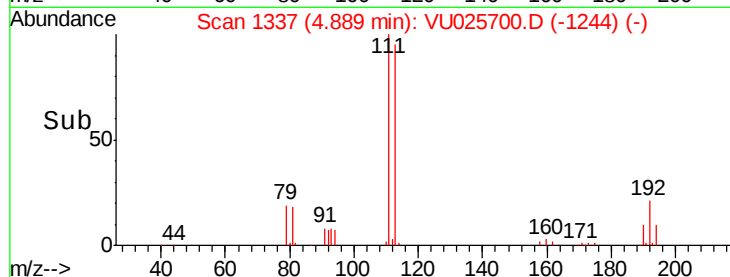
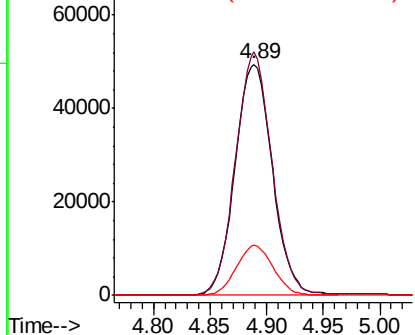
#35
 Dibromofluoromethane
 Concen: 48.55 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025700.D
 Acq: 28 Jul 2018 04:12

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-180724

Tot Ion:113 Resp: 114091
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.7 122.5
 192 21.3 17.1 25.7

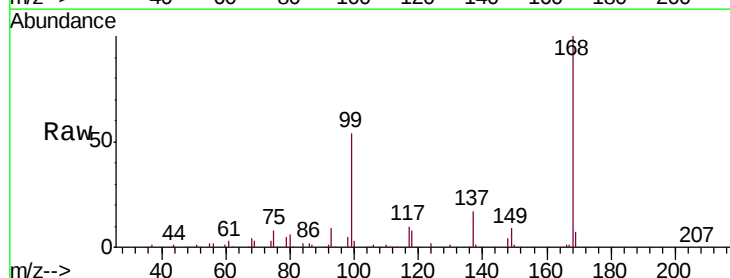


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

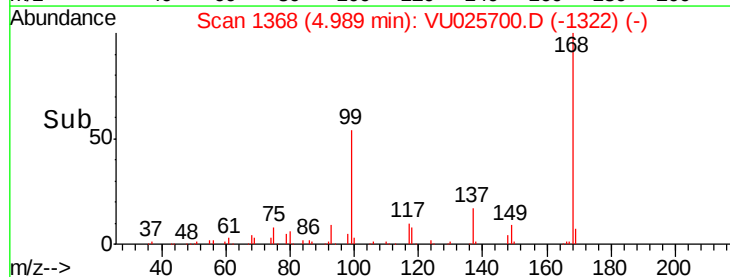
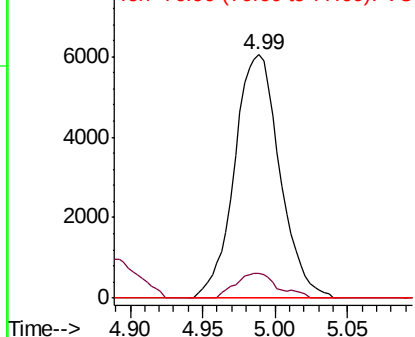


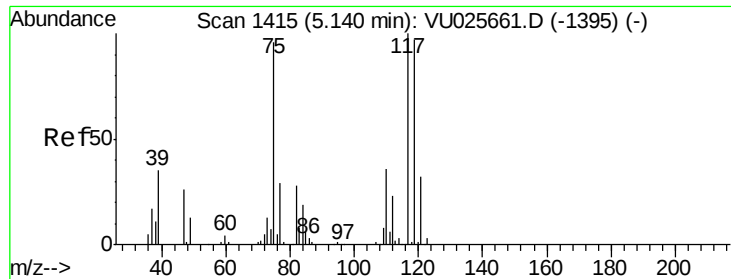
#36
 1,1-Dichloropropene
 Concen: 4.17 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025700.D
 Acq: 28 Jul 2018 04:12

Tgt Ion: 75 Resp: 13159
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.6 52.9#
 77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

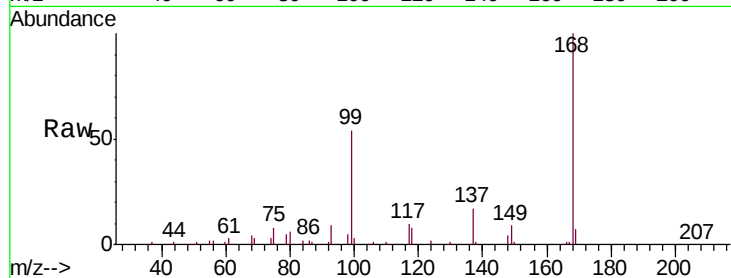




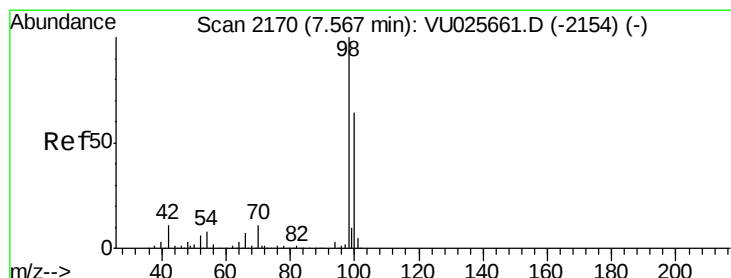
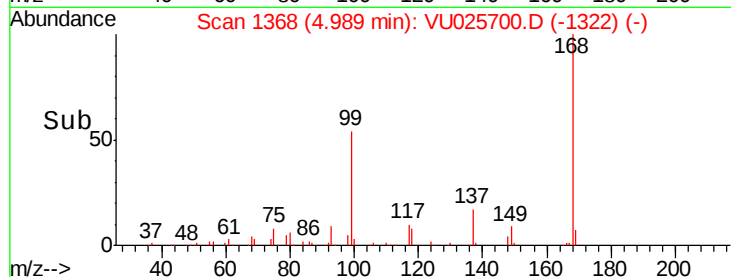
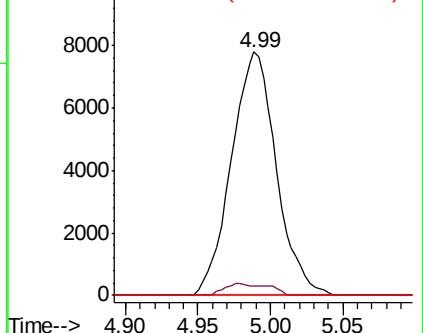
#38
Carbon Tetrachloride
Concen: 4.68 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025700.D
Acq: 28 Jul 2018 04:12

Instrument :
MSVOA_U
ClientSampleId :
OUTFALL001-180724

Tot Ion:117 Resp: 16729
Ion Ratio Lower Upper
117 100
119 3.9 75.7 113.5#
121 0.0 24.6 36.8#

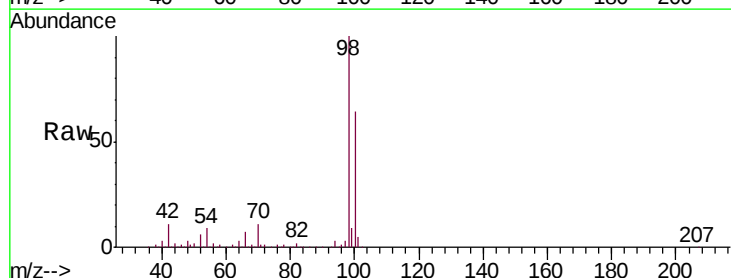


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

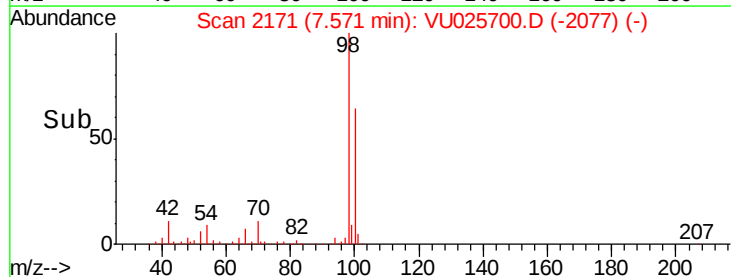
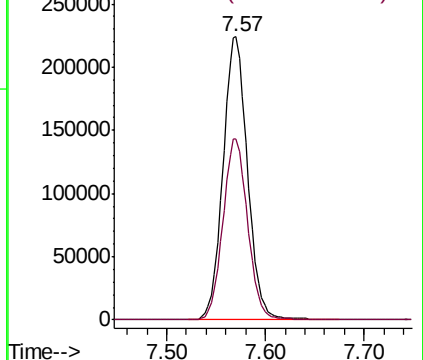


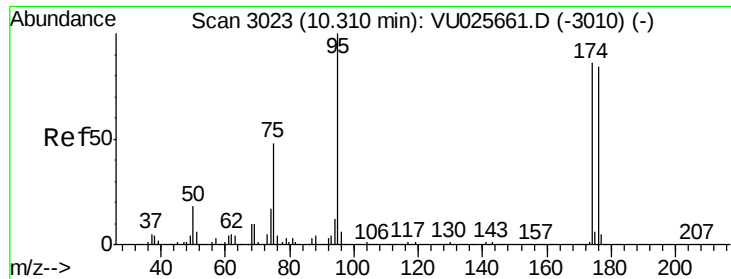
#50
Toluene-d8
Concen: 47.56 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025700.D
Acq: 28 Jul 2018 04:12

Tgt Ion: 98 Resp: 391059
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

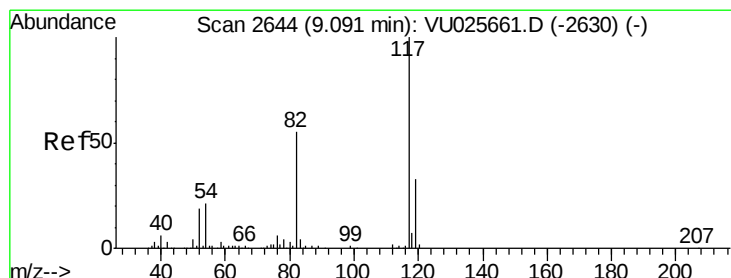
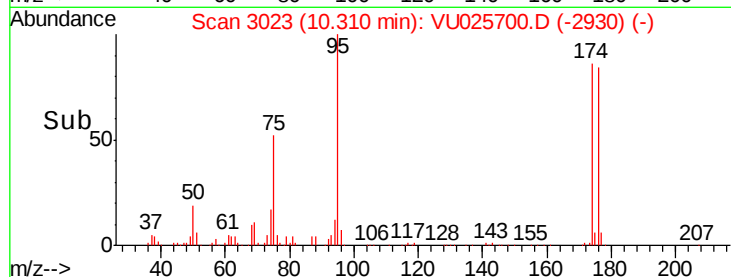
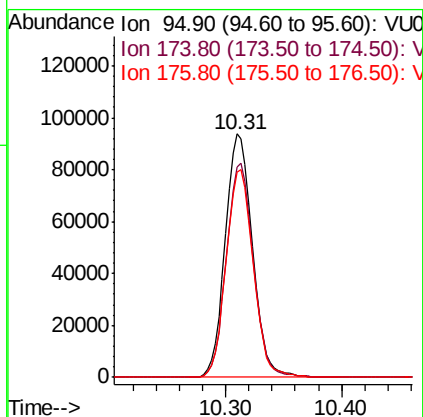
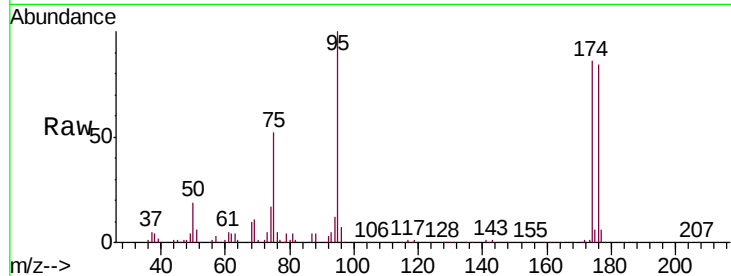




#62
4-Bromofluorobenzene
Concen: 47.50 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025700.D
Acq: 28 Jul 2018 04:12

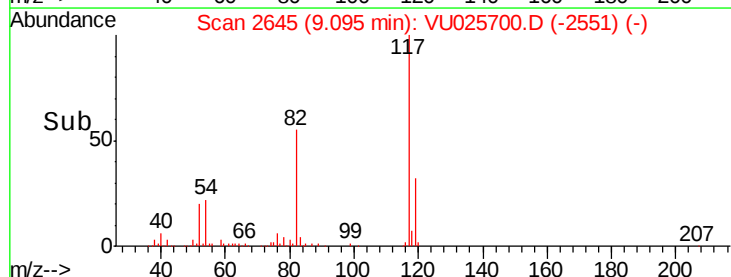
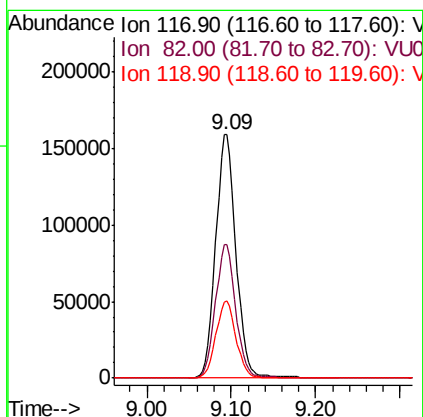
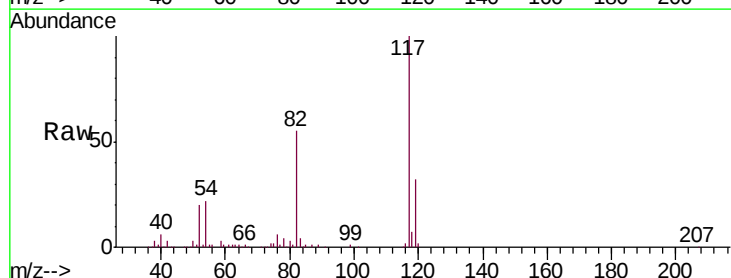
Instrument :
MSVOA_U
ClientSampleId :
OUTFALL001-180724

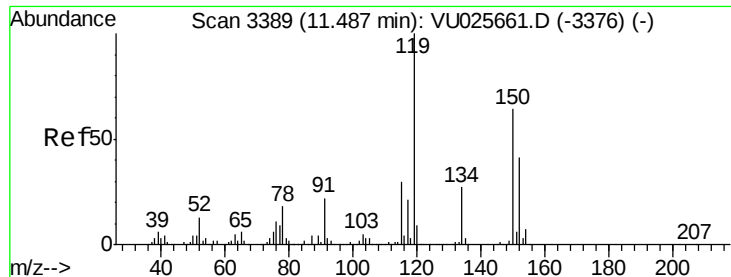
Tot Ion: 95 Resp: 151598
Ion Ratio Lower Upper
95 100
174 87.2 0.0 172.2
176 85.2 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025700.D
Acq: 28 Jul 2018 04:12

Tgt Ion: 117 Resp: 265991
Ion Ratio Lower Upper
117 100
82 54.9 46.0 69.0
119 31.8 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-180724

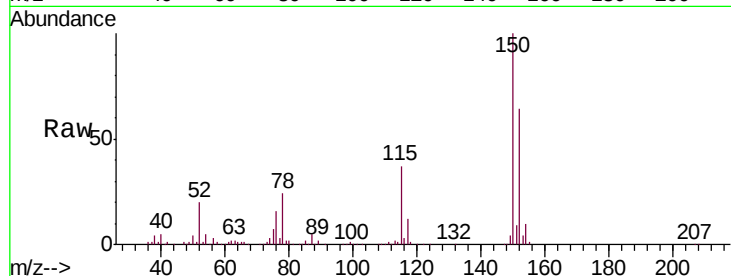
Tot Ion:152 Resp: 160074

Ion Ratio Lower Upper

152 100

115 57.5 40.1 120.3

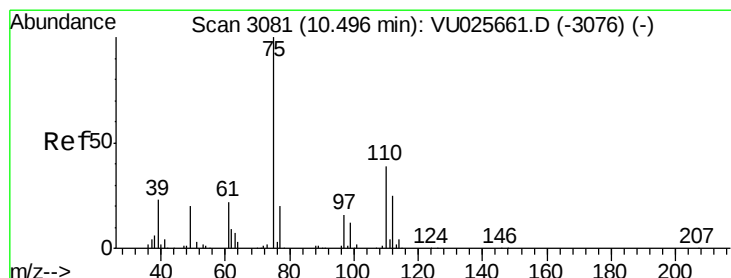
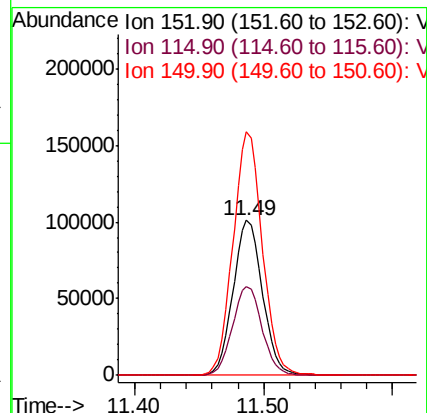
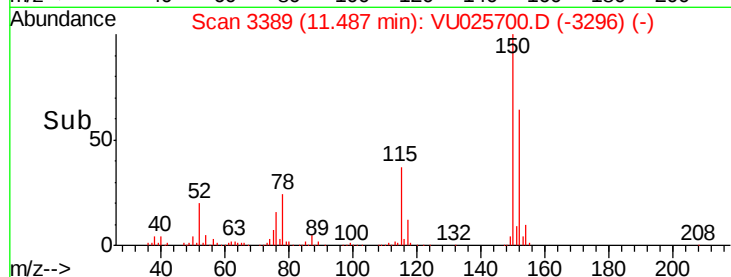
150 156.4 0.0 351.4



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: 22.18 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025700.D

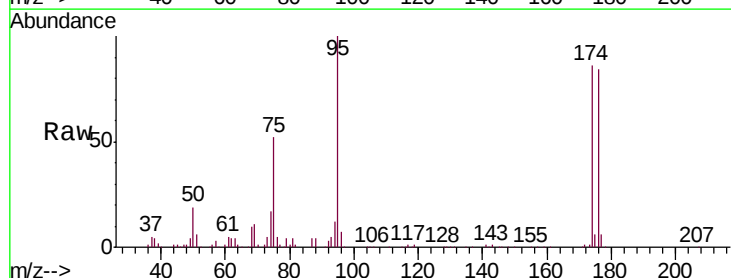
Acq: 28 Jul 2018 04:12

Tgt Ion: 75 Resp: 78226

Ion Ratio Lower Upper

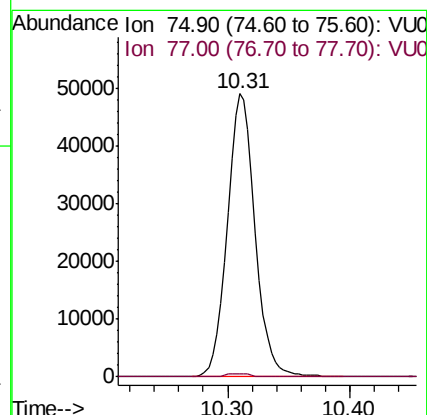
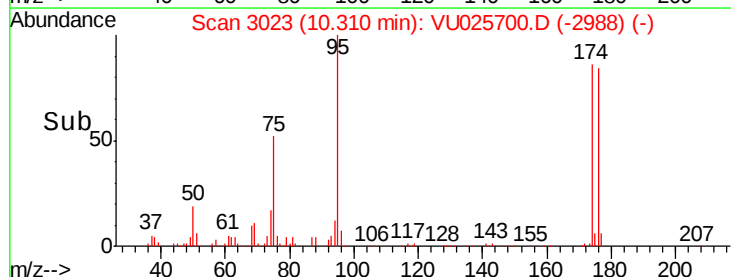
75 100

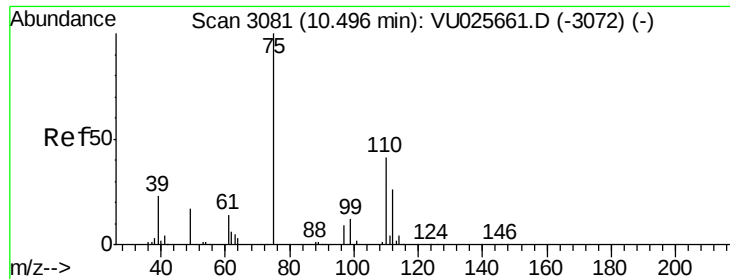
77 1.0 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.62 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-180724

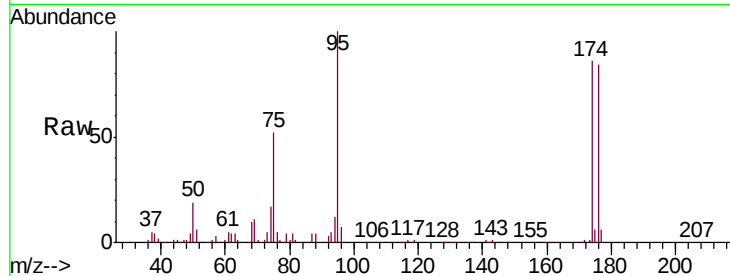
Tot Ion: 75 Resp: 78226

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

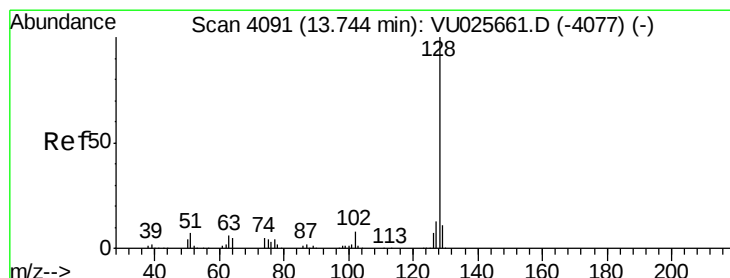
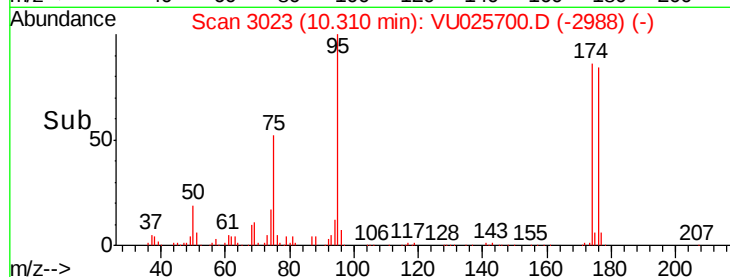
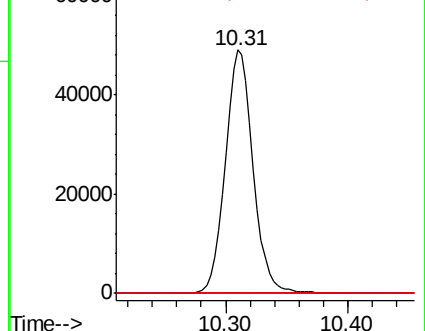
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3072) (-)

Ion 53.00 (52.70 to 53.70): VU025661.D (-3072) (-)

Ion 88.90 (88.60 to 89.60): VU025661.D (-3072) (-)



#95

Naphthalene

Concen: 1.28 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU025700.D

Acq: 28 Jul 2018 04:12

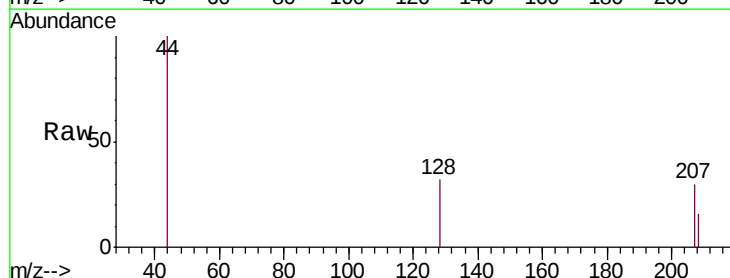
Tgt Ion: 128 Resp: 318

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): VU025661.D (-4077) (-)

Ion 127.00 (126.70 to 127.70): VU025661.D (-4077) (-)

Ion 129.00 (128.70 to 129.70): VU025661.D (-4077) (-)

