

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028792.D
 Acq On : 19 Dec 2018 14:32
 Operator : MD/SY
 Sample : J6488-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-181218

Quant Time: Dec 20 03:20:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	124736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	211854	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	187744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74576	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	82488	43.33	ug/l	0.00
Spiked Amount			Recovery	=	86.66%	
35) Dibromofluoromethane	4.88	113	68659	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	7.57	98	267370	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	10.30	95	84322	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	

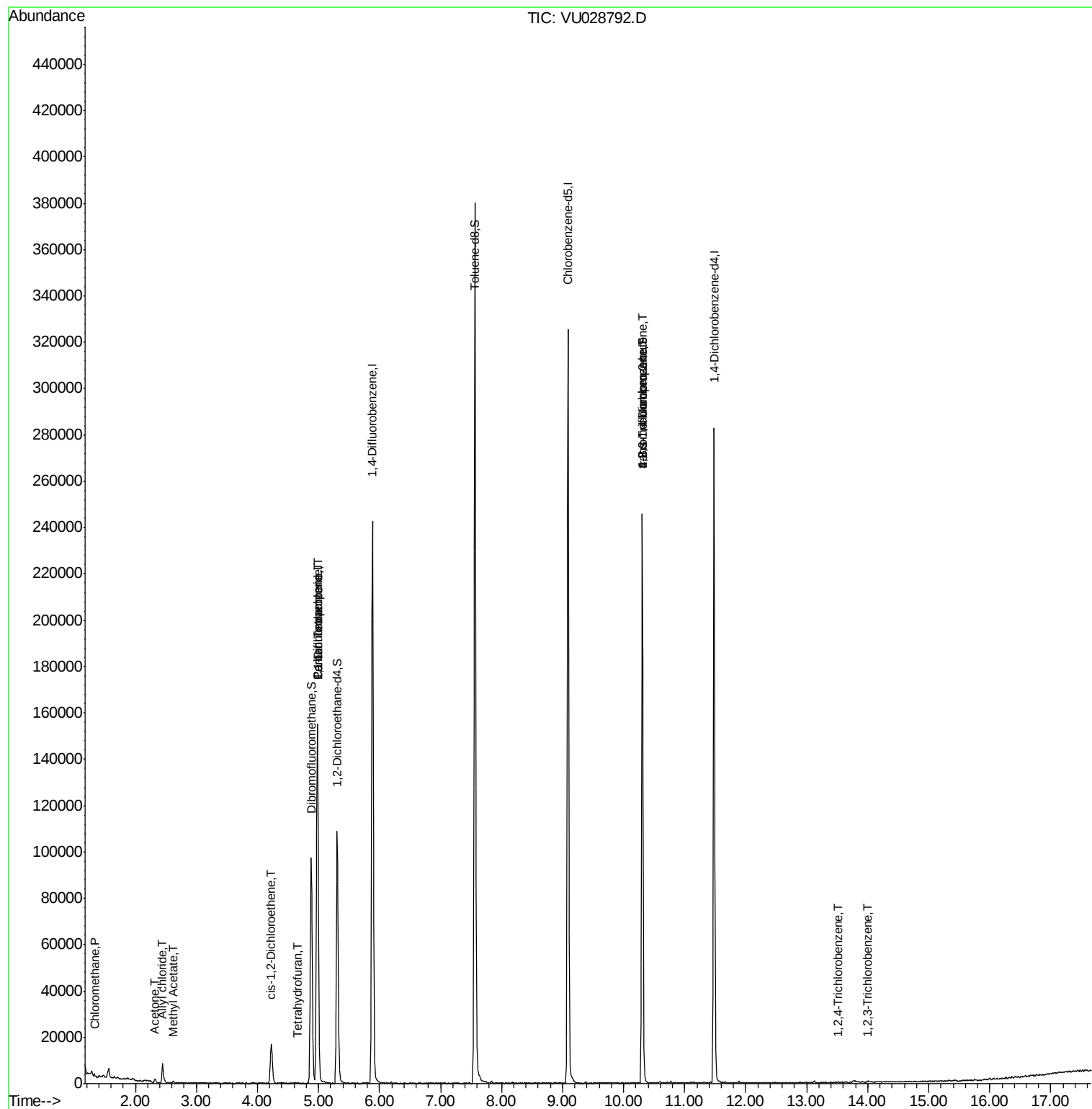
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1218	0.396	ug/l	90
14) Allyl chloride	2.45	41	800	0.243	ug/l #	70
16) Acetone	2.32	43	1888	1.520	ug/l #	83
18) Methyl Acetate	2.62	43	1076	0.334	ug/l #	78
27) cis-1,2-Dichloroethene	4.23	96	10230	5.780	ug/l	80
29) Tetrahydrofuran	4.66	42	468	0.429	ug/l #	37
31) Cyclohexane	4.99	56	2214	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9050	3.904	ug/l #	49
38) Carbon Tetrachloride	4.98	117	11541	6.176	ug/l #	16
76) 1,2,3-Trichloropropane	10.30	75	39888	20.946	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	39888	51.484	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	207	0.961	ug/l #	73
96) 1,2,3-Trichlorobenzene	13.99	180	161	0.239	ug/l #	64

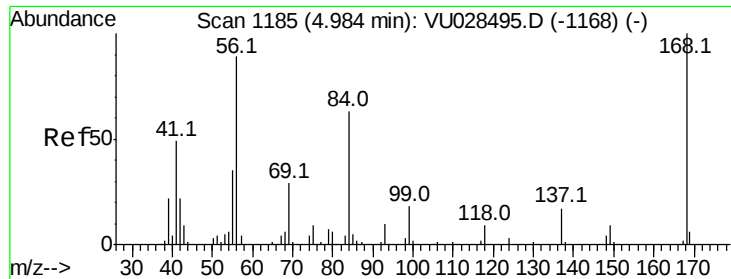
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

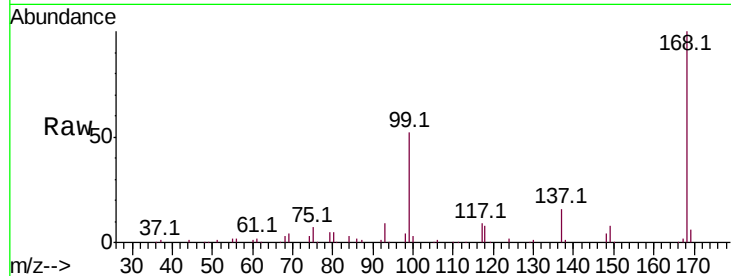
OUTFALL001-181218

Tot Ion:168 Resp: 124736

Ion Ratio Lower Upper

168 100

99 51.9 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

60000

50000

40000

30000

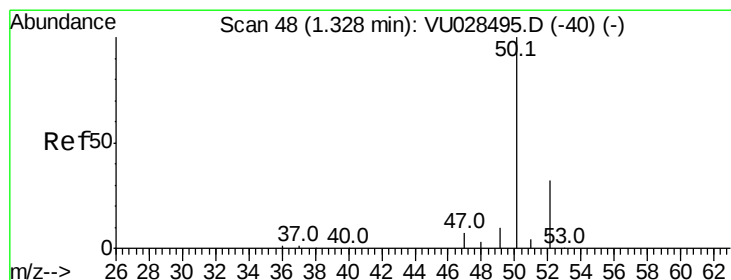
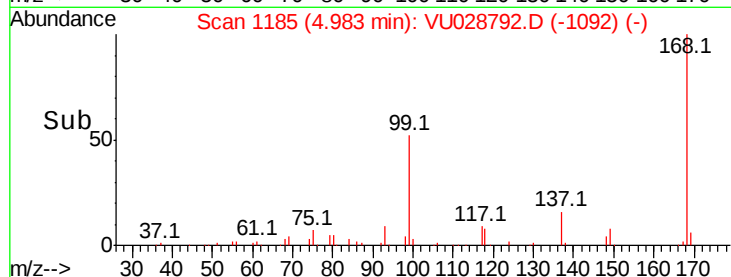
20000

10000

0

Time-->

4.90 5.00 5.10



#3

Chloromethane

Concen: 0.396 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028792.D

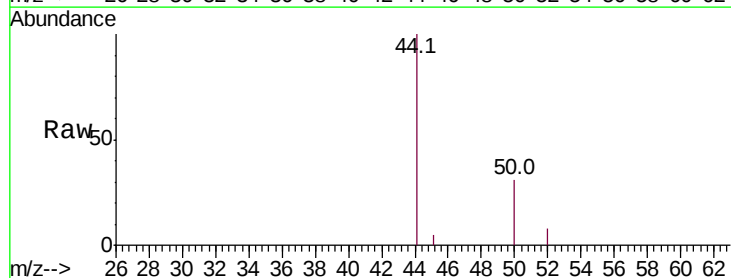
Acq: 19 Dec 2018 14:32

Tgt Ion: 50 Resp: 1218

Ion Ratio Lower Upper

50 100

52 26.4 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1000

800

600

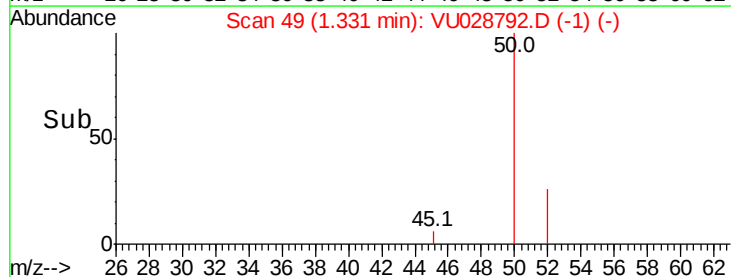
400

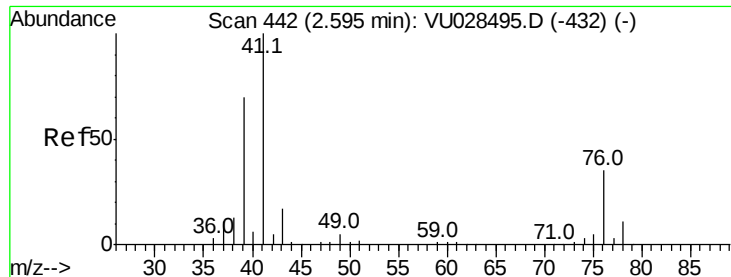
200

0

Time-->

1.30 1.35





#14

Allvl chloride

Concen: 0.243 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.15 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-181218

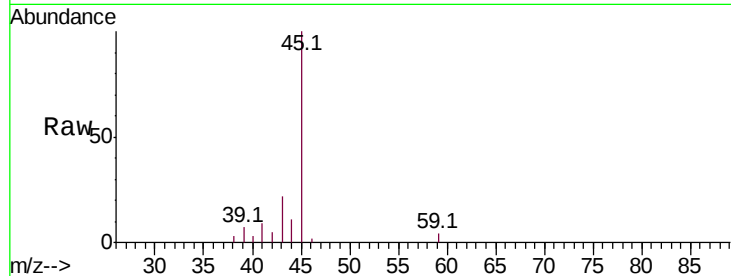
Tot Ion: 41 Resp: 800

Ion Ratio Lower Upper

41 100

39 77.4 50.8 76.2#

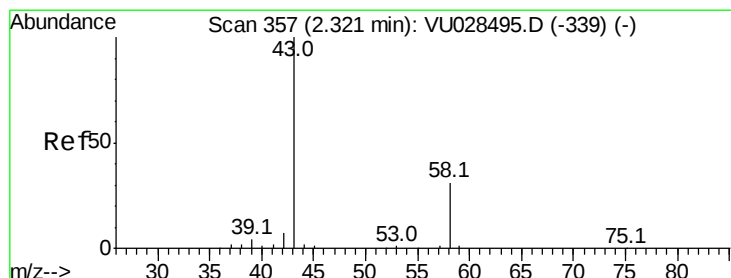
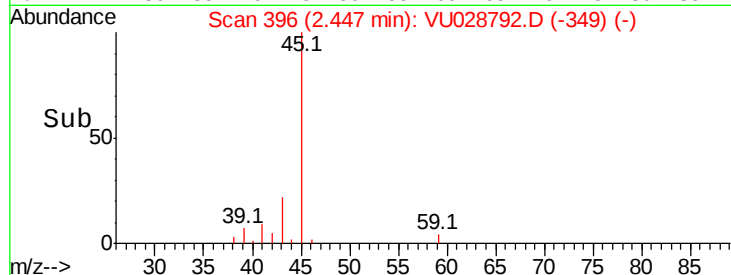
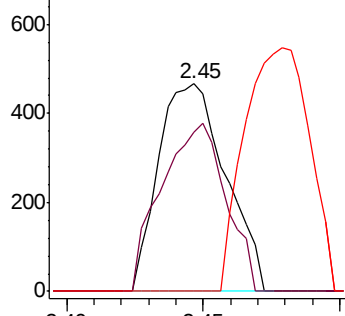
76 0.0 24.8 37.2#



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: 1.520 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028792.D

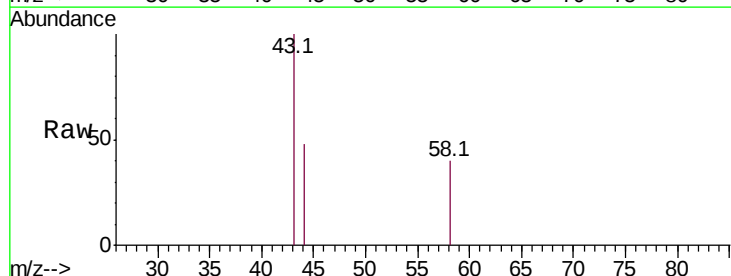
Acq: 19 Dec 2018 14:32

Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

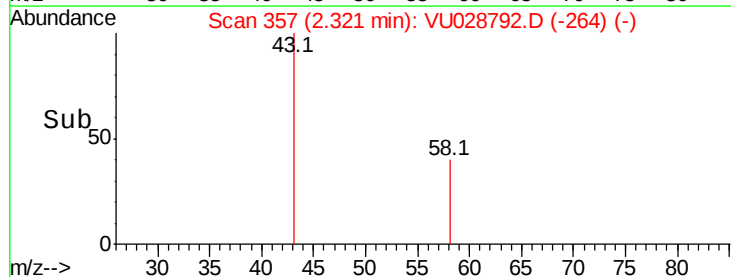
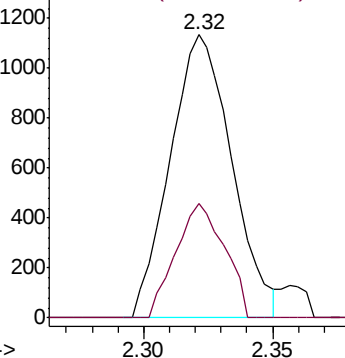
43 100

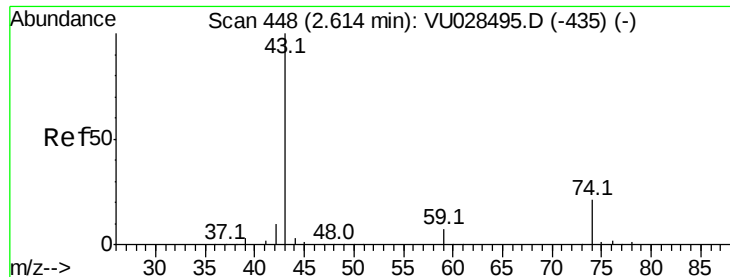
58 40.3 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#18

Methvl Acetate

Concen: 0.334 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

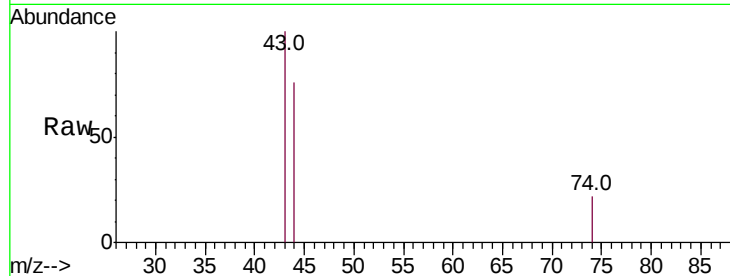
OUTFALL001-181218

Tot Ion: 43 Resp: 1076

Ion Ratio Lower Upper

43 100

74 10.3 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

500

400

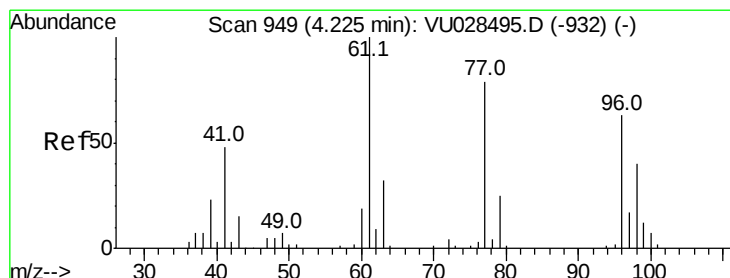
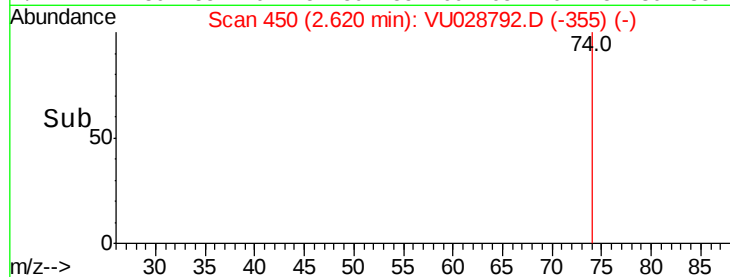
300

200

100

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 5.780 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

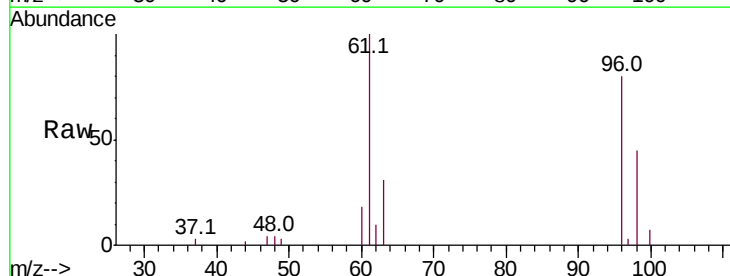
Tgt Ion: 96 Resp: 10230

Ion Ratio Lower Upper

96 100

61 131.4 0.0 332.4

98 61.0 0.0 129.0



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

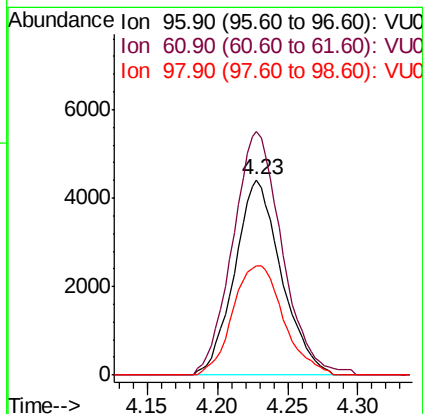
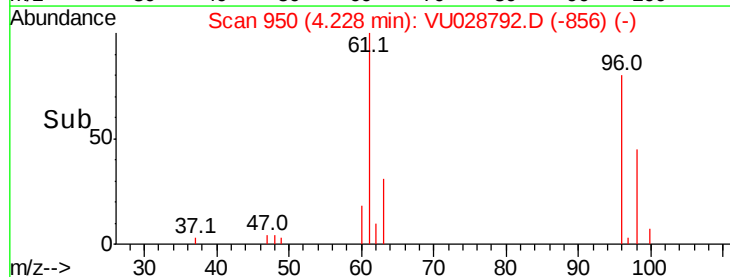
6000

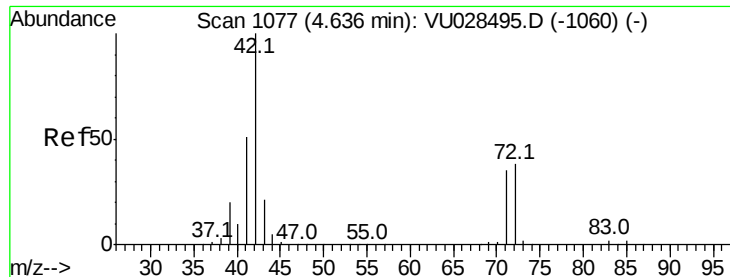
4000

2000

0

Time-->





#29

Tetrahydrofuran

Concen: 0.429 ug/l

RT: 4.66 min Scan# 1083

Delta R.T. 0.02 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-181218

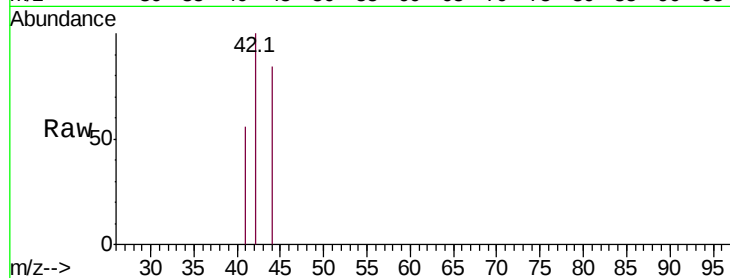
Tot Ion: 42 Resp: 468

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.0#

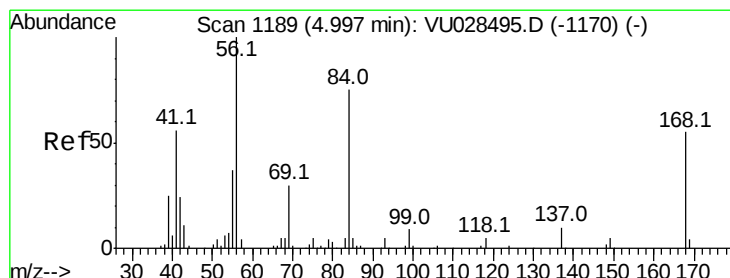
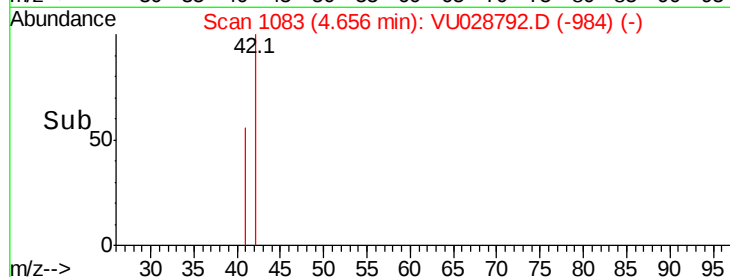
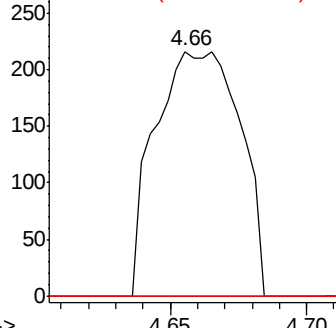
71 0.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

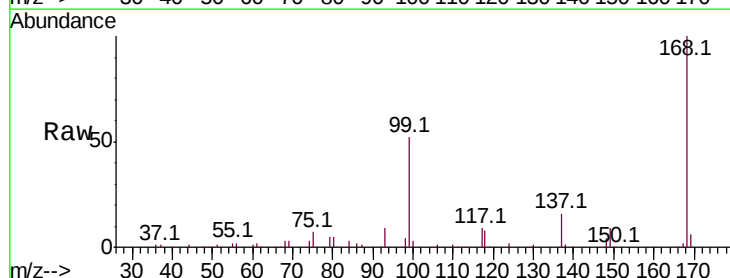
Tgt Ion: 56 Resp: 2214

Ion Ratio Lower Upper

56 100

69 161.8 24.0 36.0#

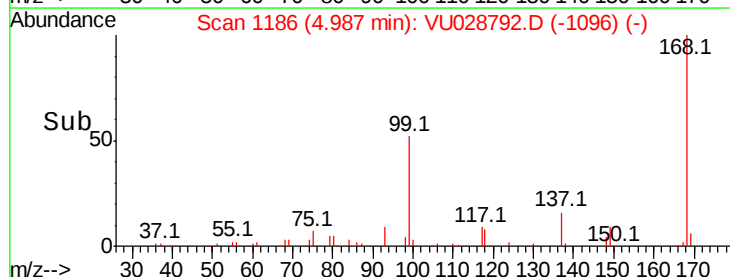
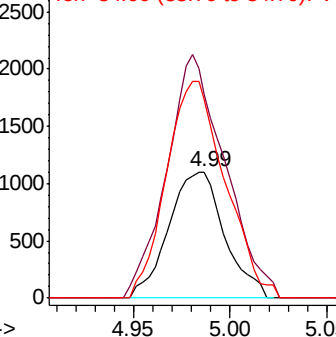
84 157.7 59.7 89.5#

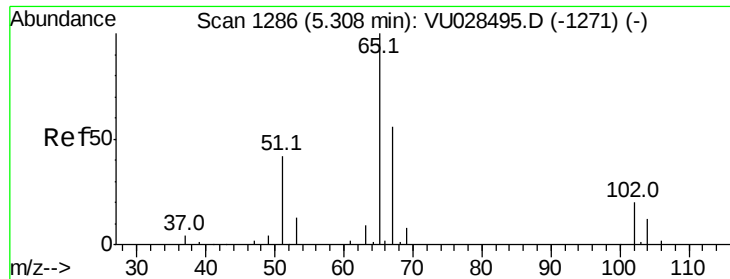


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

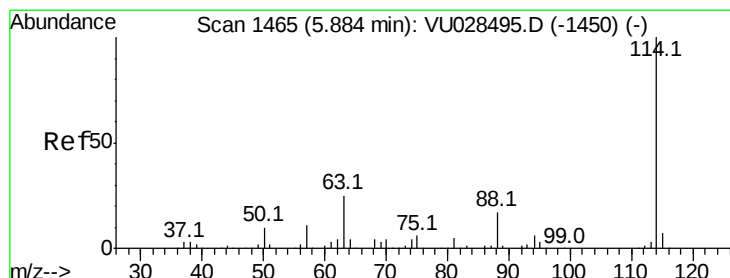
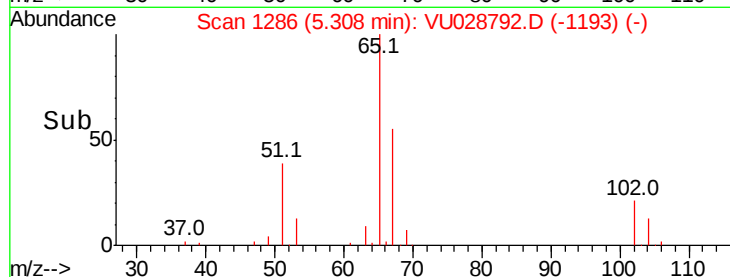
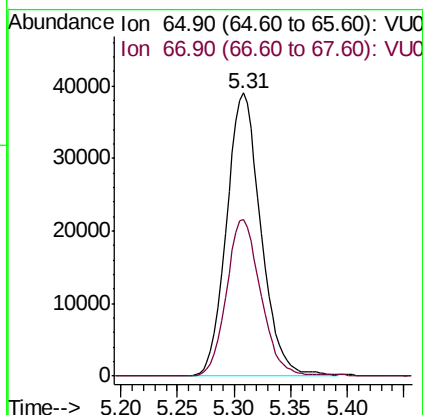
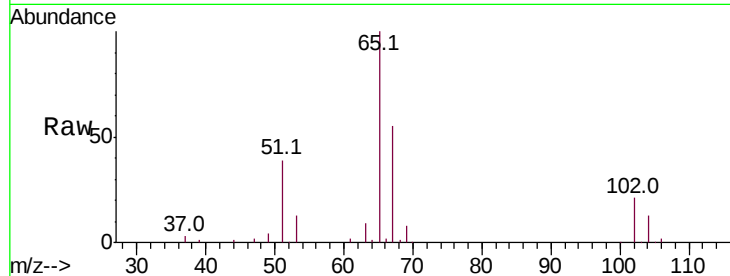




#33
 1,2-Dichloroethane-d4
 Concen: 43.334 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028792.D
 Acq: 19 Dec 2018 14:32

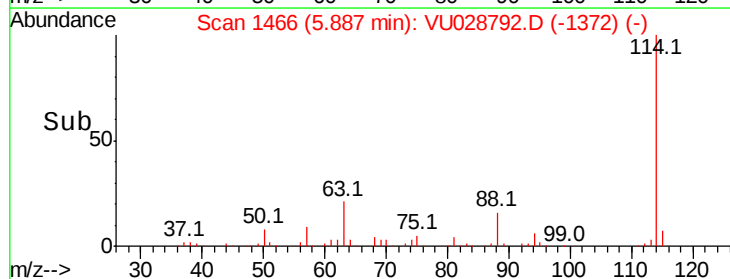
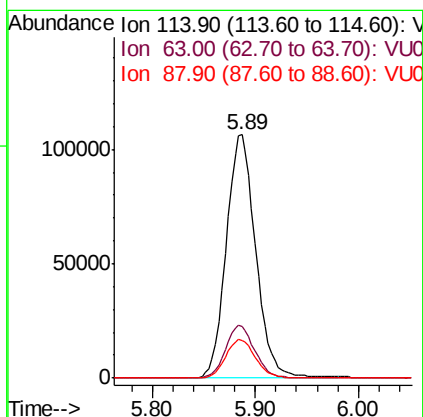
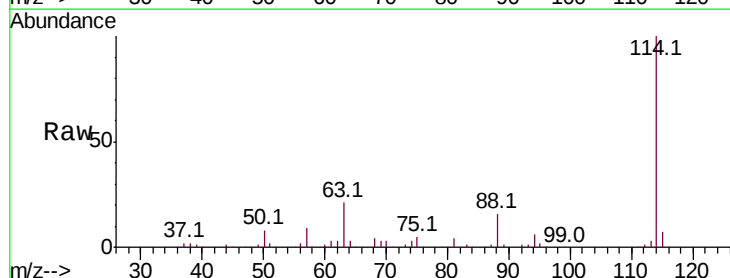
Instrument :
 MSVOA_U
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 OUTFALL001-181218

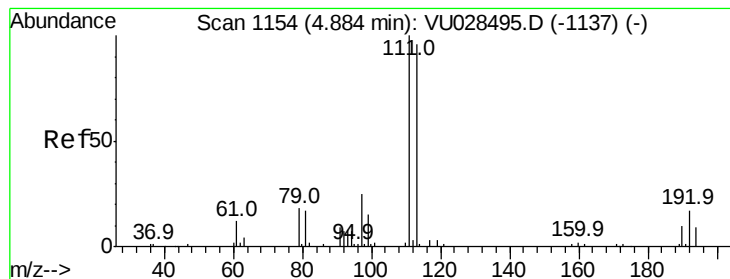
Tot Ion: 65 Resp: 82488
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028792.D
 Acq: 19 Dec 2018 14:32

Tgt Ion: 114 Resp: 211854
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 49.2
 88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.499 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-181218

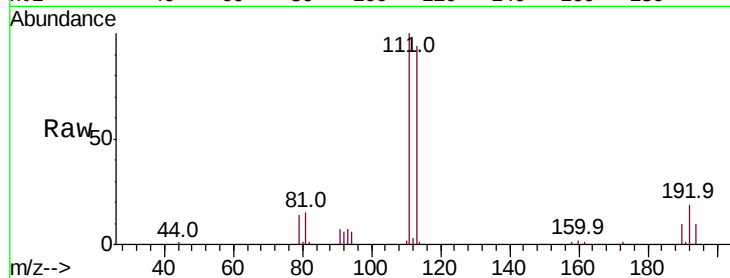
Tot Ion:113 Resp: 68659

Ion Ratio Lower Upper

113 100

111 103.8 83.4 125.0

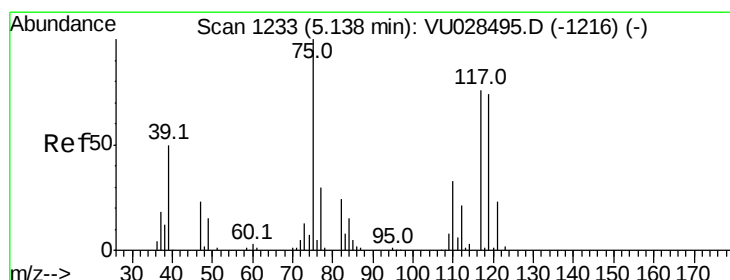
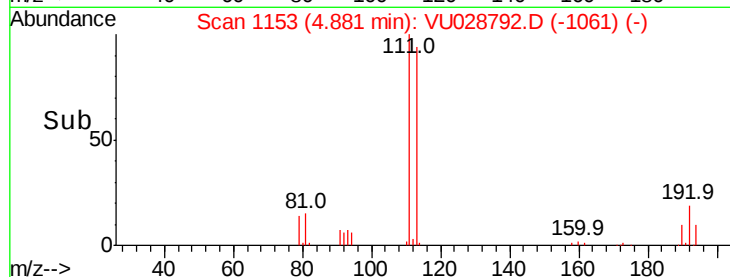
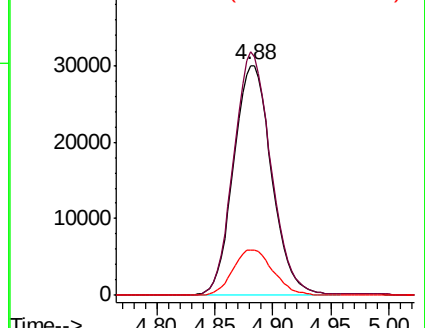
192 20.8 14.8 22.2



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: 3.904 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

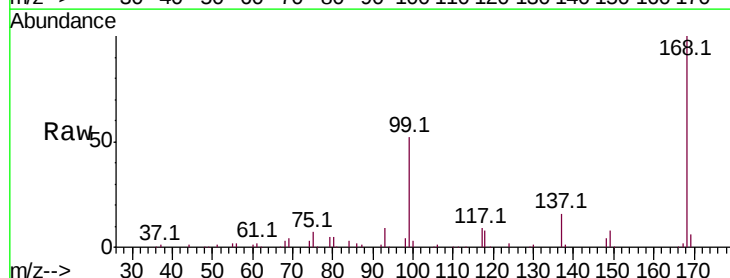
Tgt Ion: 75 Resp: 9050

Ion Ratio Lower Upper

75 100

110 6.4 16.1 48.2#

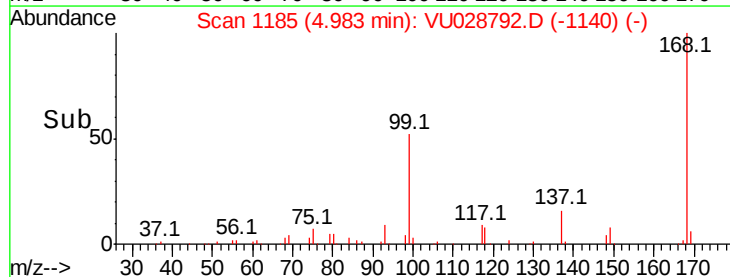
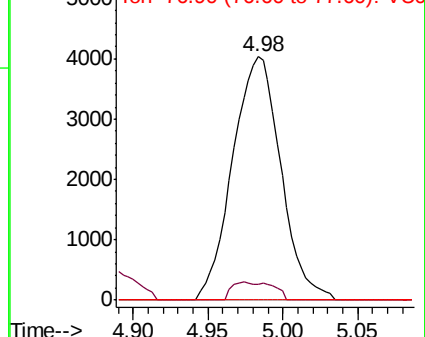
77 0.0 24.5 36.7#

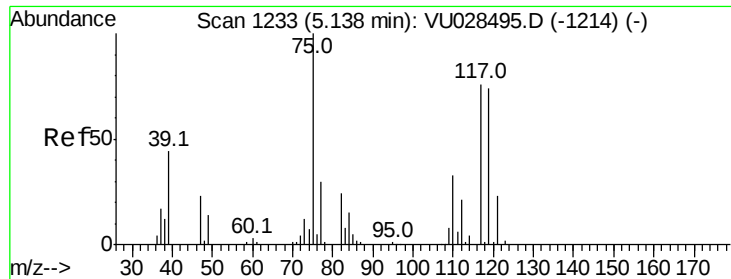


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 6.176 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-181218

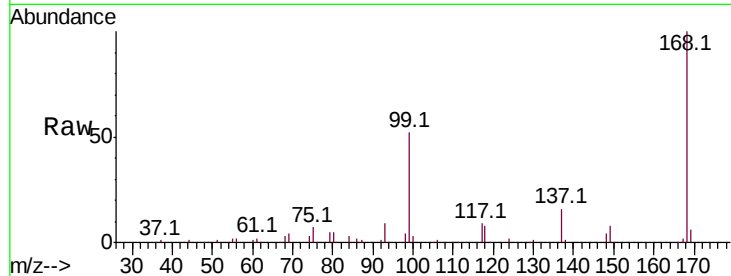
Tot Ion:117 Resp: 11541

Ion Ratio Lower Upper

117 100

119 5.2 77.6 116.4#

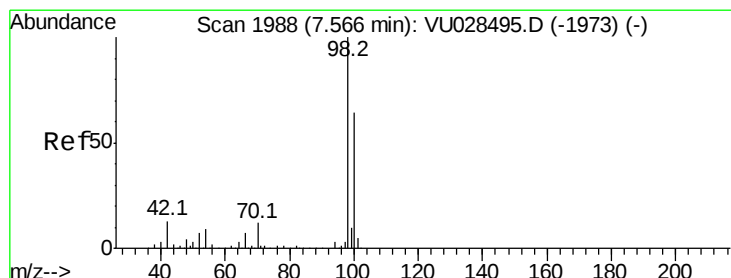
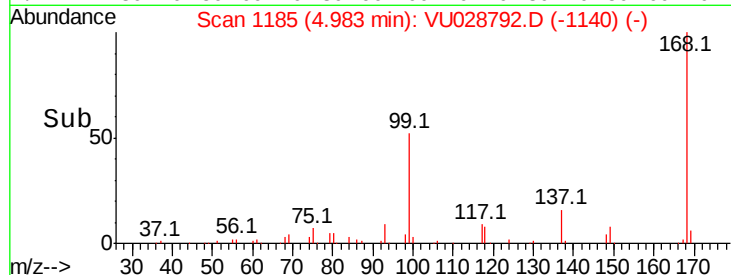
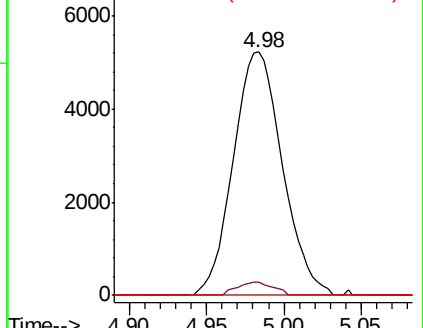
121 0.0 24.6 36.8#



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: 50.696 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028792.D

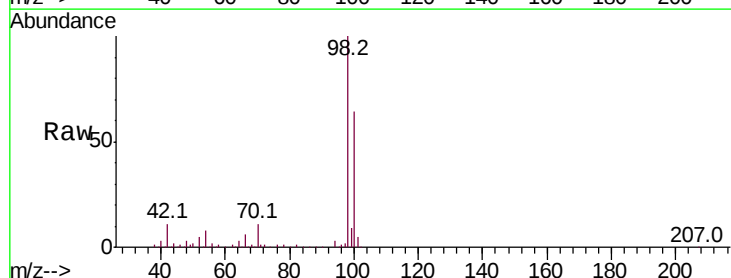
Acq: 19 Dec 2018 14:32

Tgt Ion: 98 Resp: 267370

Ion Ratio Lower Upper

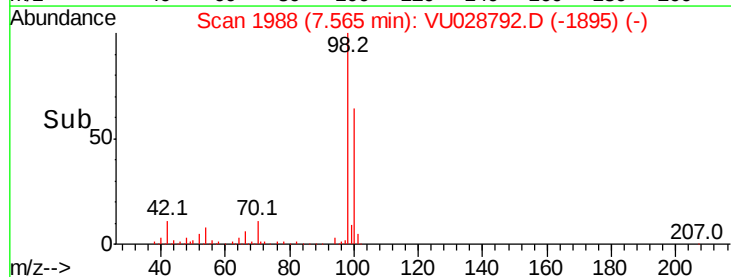
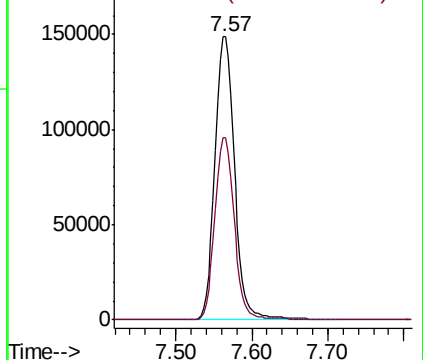
98 100

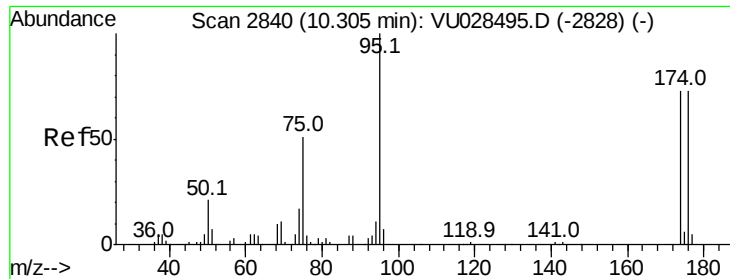
100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

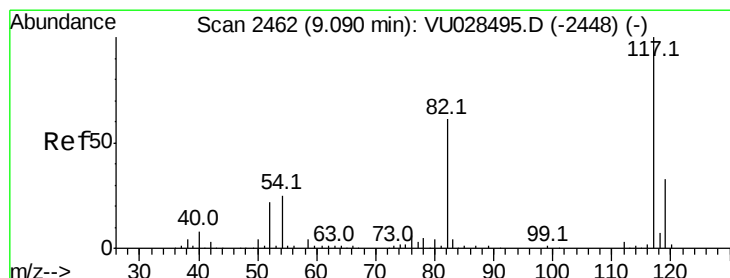
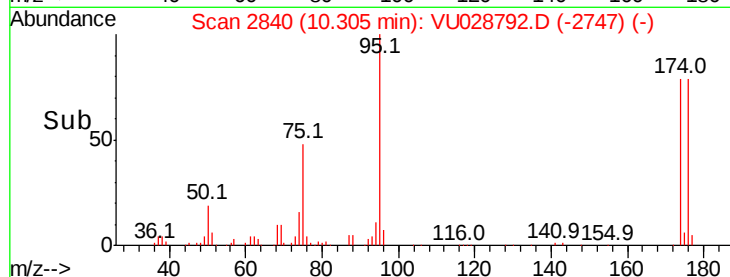
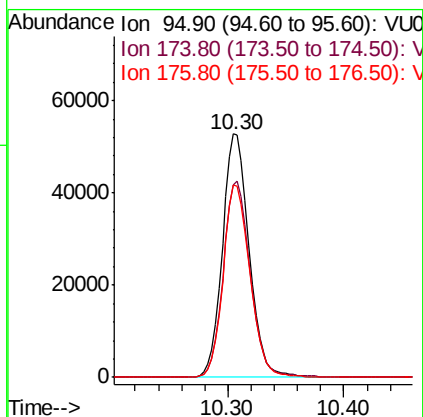
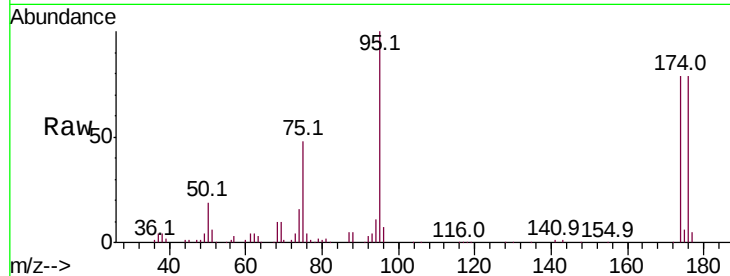




#62
4-Bromofluorobenzene
Concen: 42.777 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VU028792.D
Acq: 19 Dec 2018 14:32

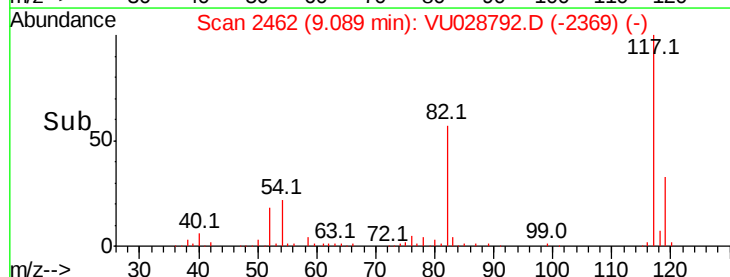
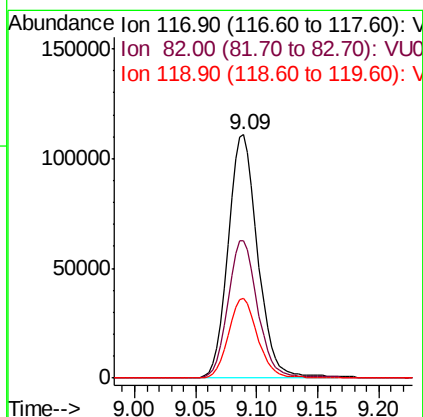
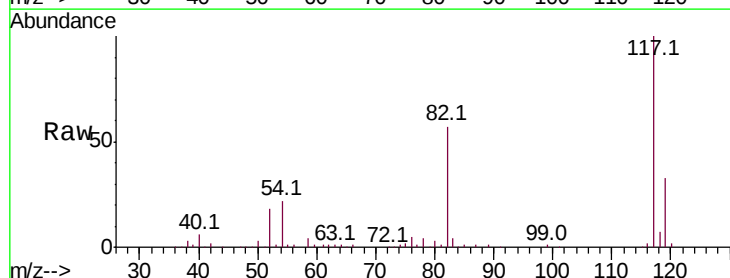
Instrument :
MSVOA_U
ClientSampleId :
OUTFALL001-181218

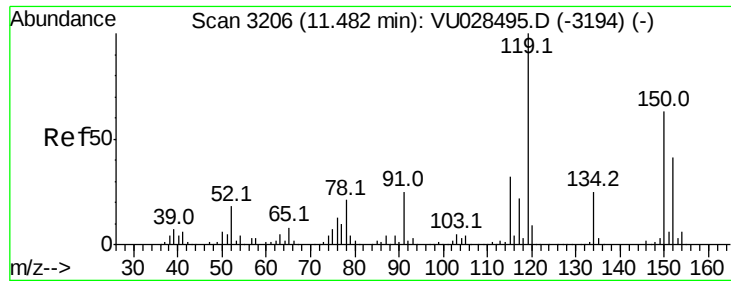
Tot Ion: 95 Resp: 84322
Ion Ratio Lower Upper
95 100
174 81.5 0.0 150.4
176 79.7 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028792.D
Acq: 19 Dec 2018 14:32

Tgt Ion: 117 Resp: 187744
Ion Ratio Lower Upper
117 100
82 56.7 48.9 73.3
119 32.6 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028792.D

Acq: 19 Dec 2018 14:32

Instrument :

MSVOA_U

ClientSampleId :

OUTFALL001-181218

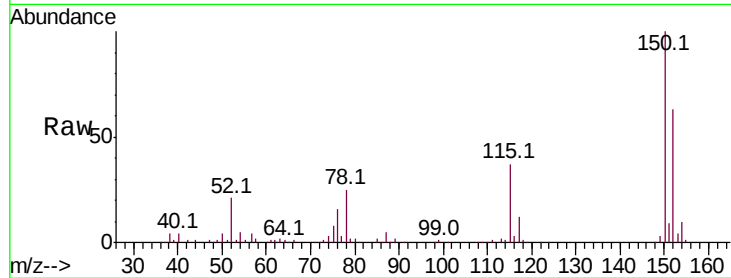
Tot Ion:152 Resp: 74576

Ion Ratio Lower Upper

152 100

115 57.7 42.7 128.1

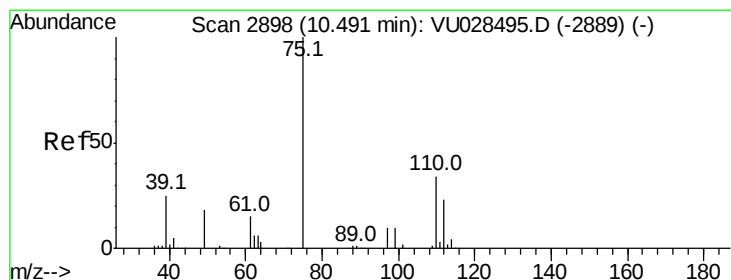
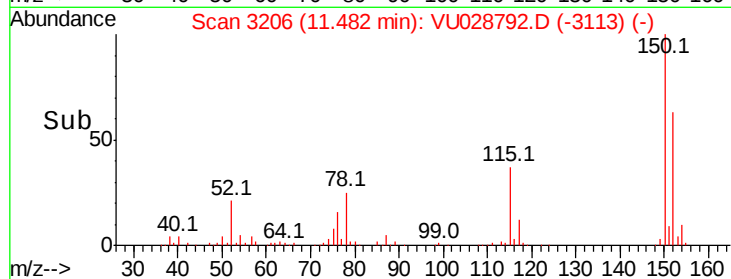
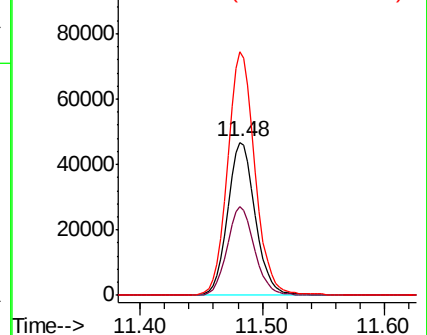
150 157.2 0.0 346.0



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: 20.946 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028792.D

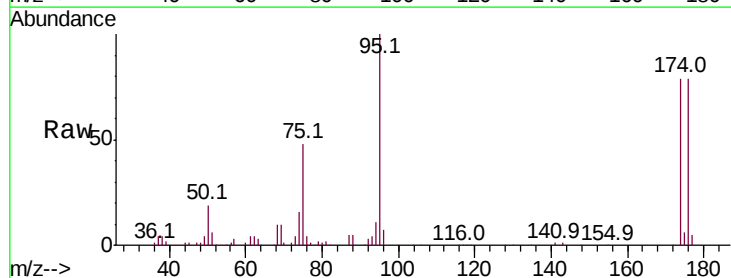
Acq: 19 Dec 2018 14:32

Tgt Ion: 75 Resp: 39888

Ion Ratio Lower Upper

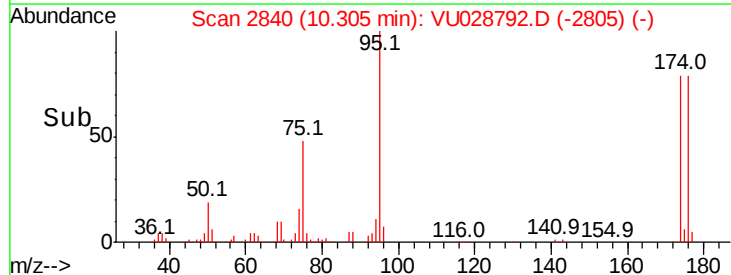
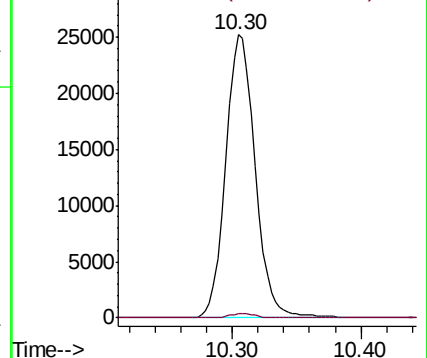
75 100

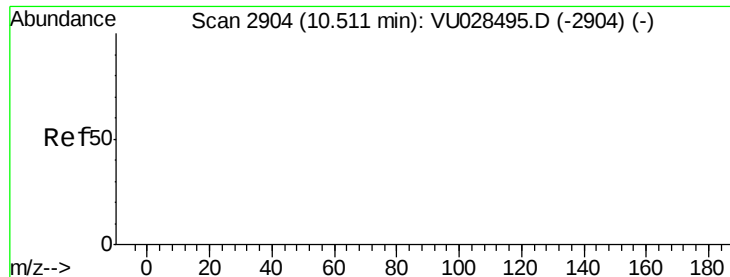
77 1.2 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

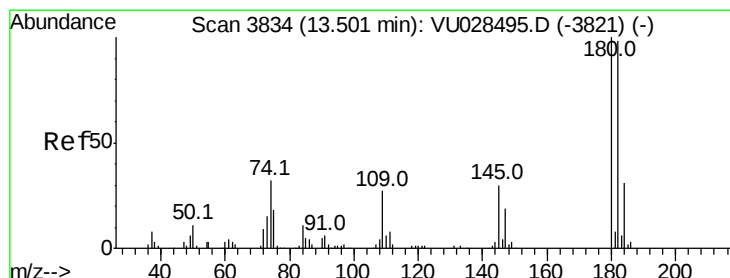
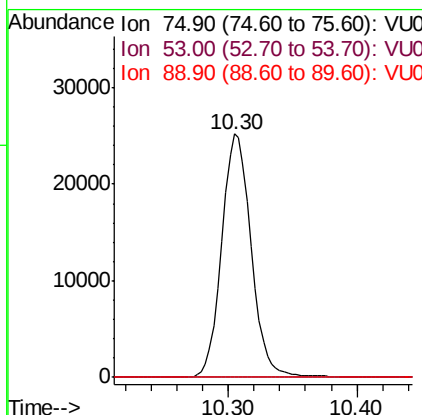
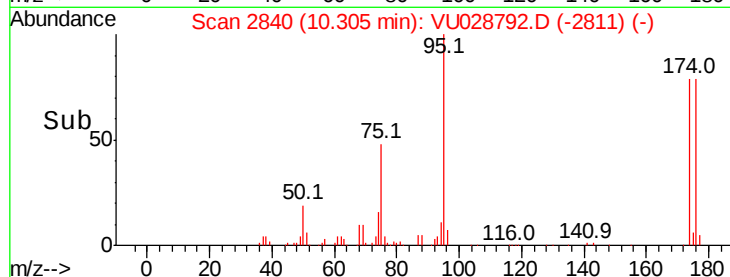
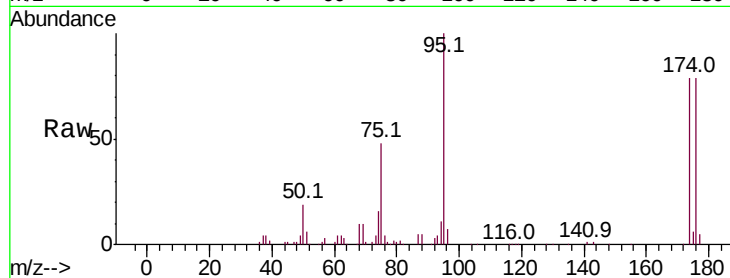




#81
trans-1,4-Dichloro-2-butene
Concen: 51.484 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU028792.D
Acq: 19 Dec 2018 14:32

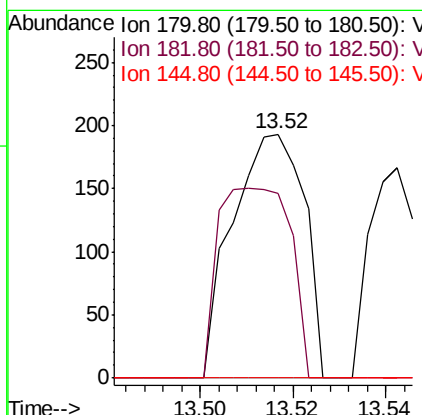
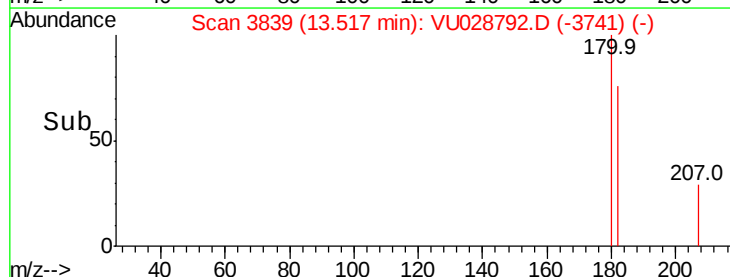
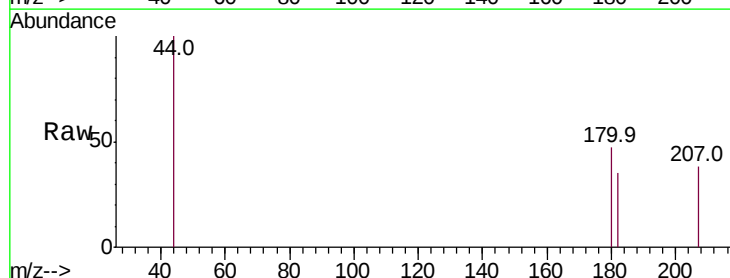
Instrument :
MSVOA_U
ClientSampleId :
OUTFALL001-181218

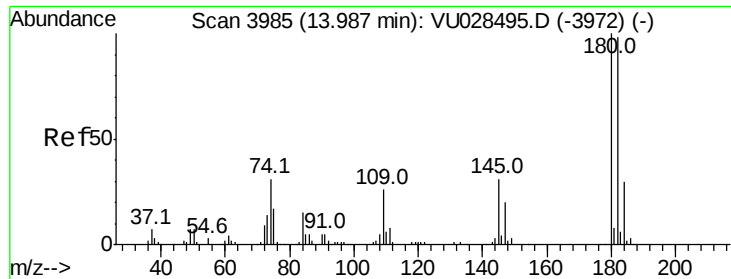
Tot Ion: 75 Resp: 39888
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#93
1,2,4-Trichlorobenzene
Concen: 0.961 ug/l
RT: 13.52 min Scan# 3839
Delta R.T. 0.02 min
Lab File: VU028792.D
Acq: 19 Dec 2018 14:32

Tgt Ion:180 Resp: 207
Ion Ratio Lower Upper
180 100
182 78.3 47.9 143.8
145 0.0 15.0 45.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.239 ug/l
 RT: 13.99 min Scan# 3987
 Delta R.T. 0.01 min
 Lab File: VU028792.D
 Acq: 19 Dec 2018 14:32

Instrument :
 MSVOA_U
 ClientSampleId :
 OUTFALL001-181218

Tot Ion	Ratio	Lower	Upper
180	100		
182	125.5	48.2	144.6
145	0.0	15.8	47.3

