

Data File : VU027044.D
Acq On : 23 Sep 2018 03:01
Operator : MD/SY
Sample : J4916-19
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 86 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ138I1-20180911

Quant Time: Sep 24 05:46:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	93058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	154039	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68897	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	94626	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	4.88	113	65023	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	7.57	98	239097	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
62) 4-Bromofluorobenzene	10.31	95	79747	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	

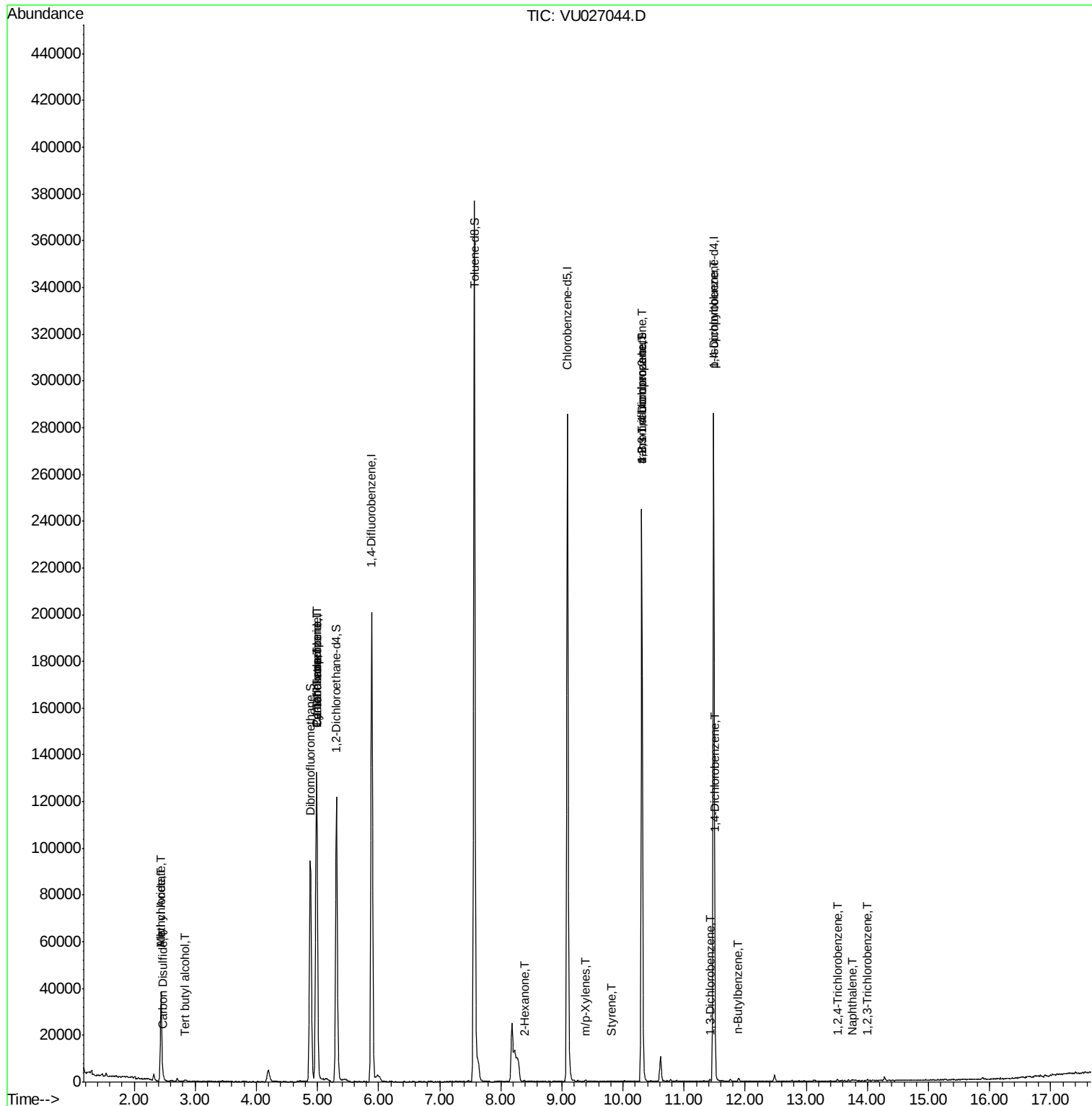
Target Compounds						Qvalue
11) Tert butyl alcohol	2.83	59	277	0.645	ug/l #	72
14) Allyl chloride	2.44	41	3565	1.368	ug/l #	70
16) Acetone	2.32	43	2876	Below Cal		95
17) Carbon Disulfide	2.48	76	1059	0.253	ug/l #	75
18) Methyl Acetate	2.44	43	9408	3.529	ug/l #	55
31) Cyclohexane	4.99	56	2487	0.320	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8814	4.287	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9806	5.012	ug/l #	17
59) 2-Hexanone	8.39	43	592	0.277	ug/l #	41
68) m/p-Xylenes	9.38	106	146	1.555	ug/l #	15
70) Styrene	9.80	104	207	1.856	ug/l #	24
76) 1,2,3-Trichloropropane	10.31	75	42959	20.524	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	42959	65.682	ug/l #	100
86) p-Isopropyltoluene	11.48	119	342	0.996	ug/l #	23
87) 1,3-Dichlorobenzene	11.42	146	491	0.206	ug/l #	67
88) 1,4-Dichlorobenzene	11.51	146	899	0.346	ug/l #	42
89) n-Butylbenzene	11.90	91	628	2.518	ug/l #	68
93) 1,2,4-Trichlorobenzene	13.51	180	451	0.309	ug/l #	78
95) Naphthalene	13.76	128	1309	1.911	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.99	180	328	0.210	ug/l #	66

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027044.D

Acq: 23 Sep 2018 03:01

Instrument :

MSVOA_U

ClientSampleId :

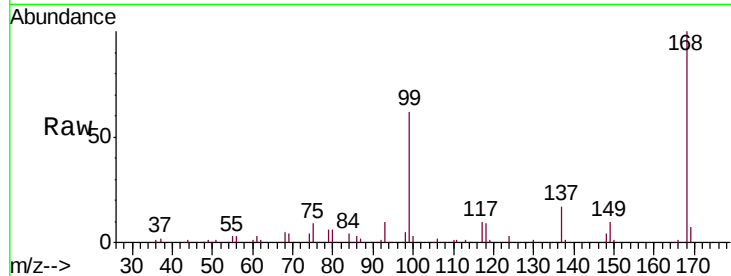
SA-PZ138I1-20180911

Tgt Ion:168 Resp: 93058

Ion Ratio Lower Upper

168 100

99 62.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

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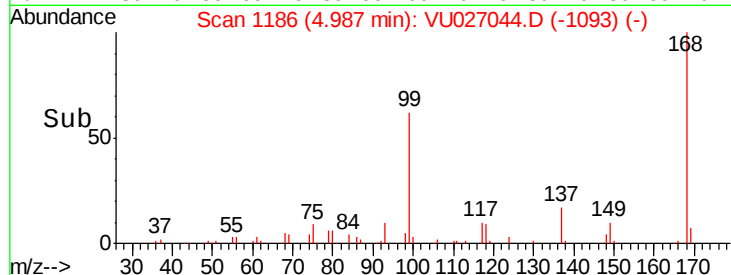
4.99

4.99

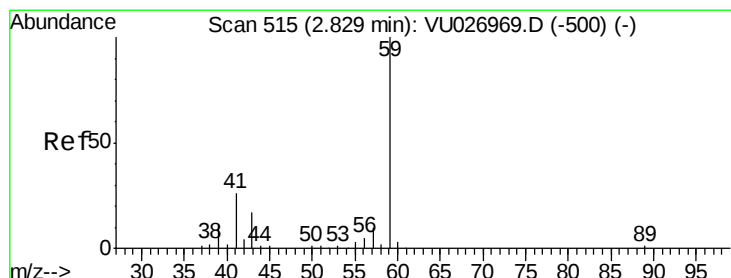
4.99

4.99

4.99



Time-->



#11

Tert butyl alcohol

Concen: 0.645 ug/l

RT: 2.83 min Scan# 514

Delta R.T. -0.00 min

Lab File: VU027044.D

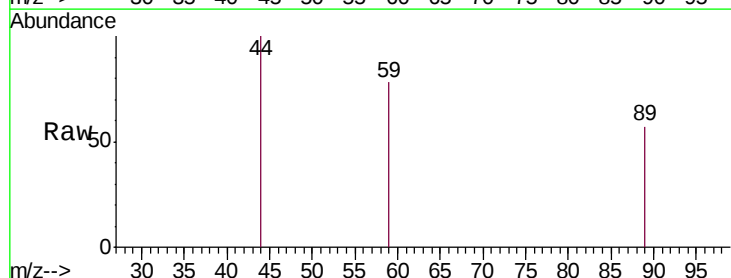
Acq: 23 Sep 2018 03:01

Tgt Ion: 59 Resp: 277

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

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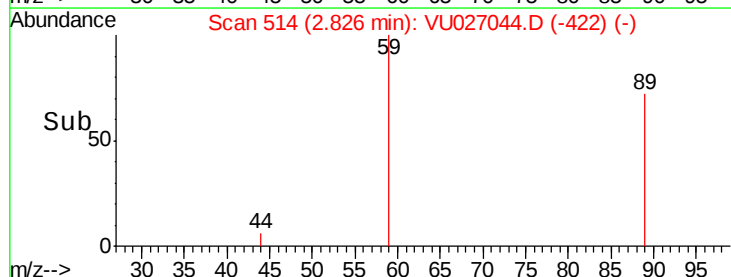
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2.83

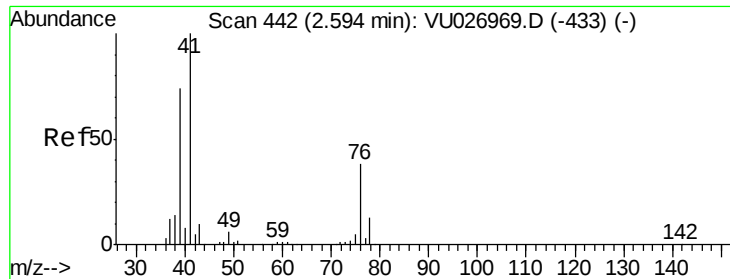
2.83

2.83

2.83



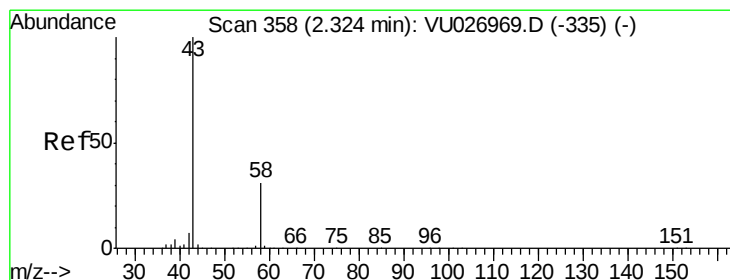
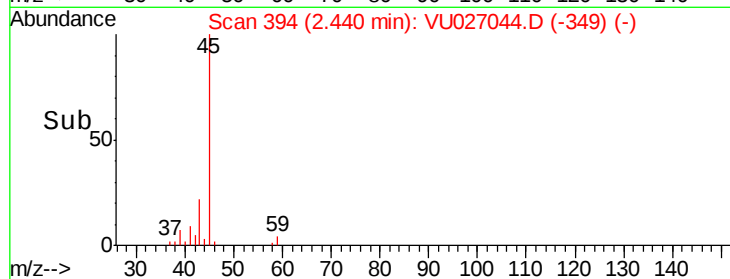
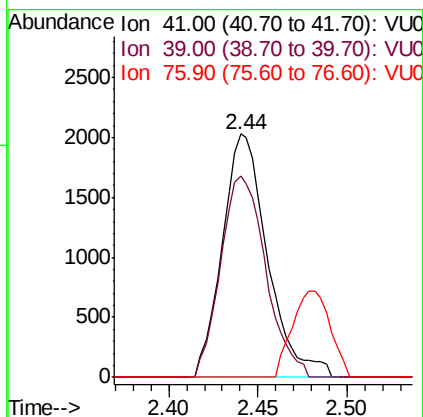
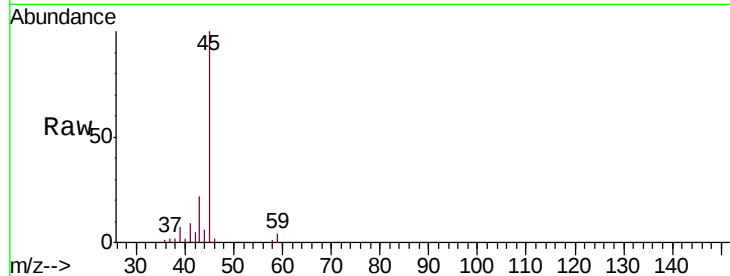
Time-->



#14
 Allyl chloride
 Concen: 1.368 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

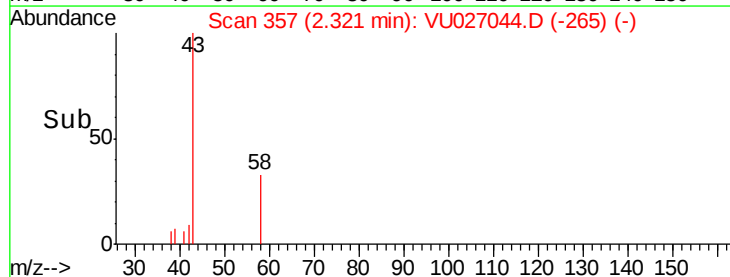
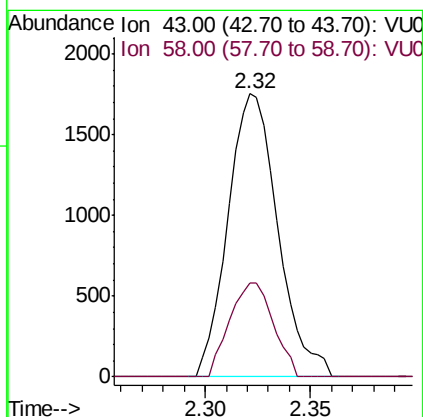
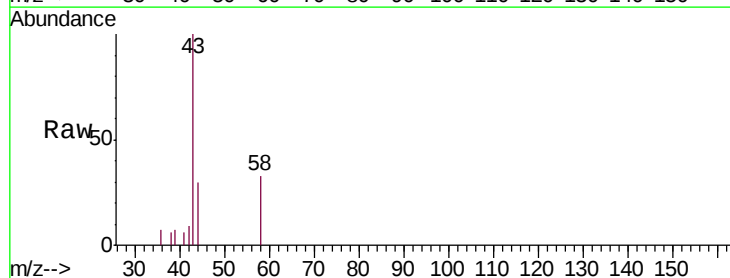
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 MSVOA_U
 ClientSampleId :
 SA-PZ138I1-20180911

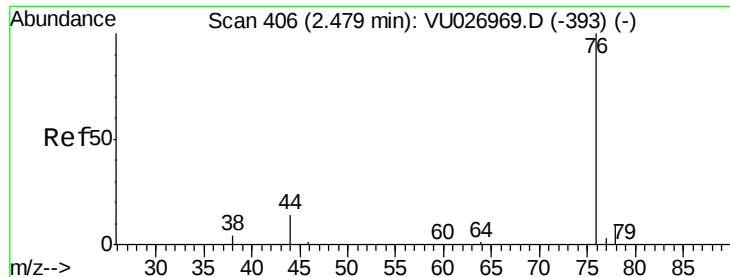
Tgt Ion: 41 Resp: 3565
 Ion Ratio Lower Upper
 41 100
 39 82.6 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

Tgt Ion: 43 Resp: 2876
 Ion Ratio Lower Upper
 43 100
 58 33.3 24.6 36.8





#17

Carbon Disulfide

Concen: 0.253 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027044.D

Acq: 23 Sep 2018 03:01

Instrument :

MSVOA_U

ClientSampleId :

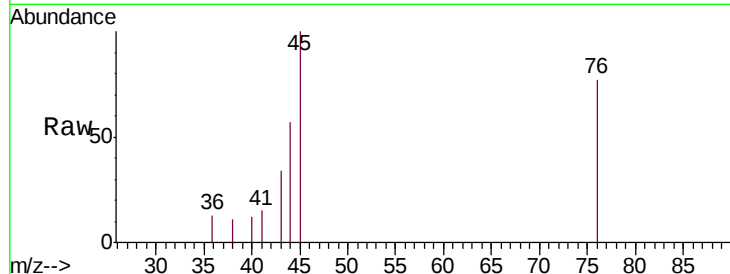
SA-PZ138I1-20180911

Tgt Ion: 76 Resp: 1059

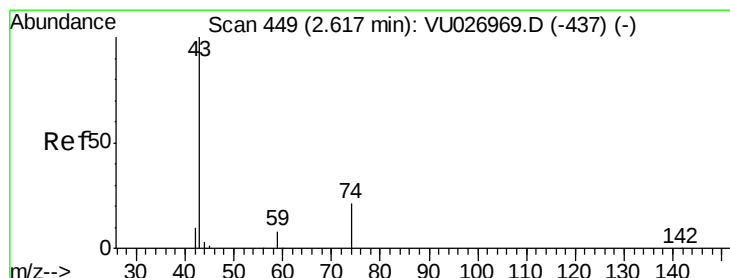
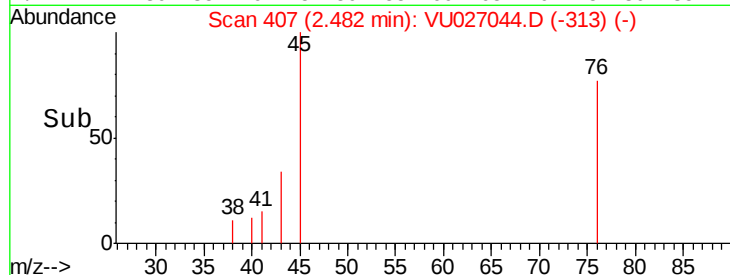
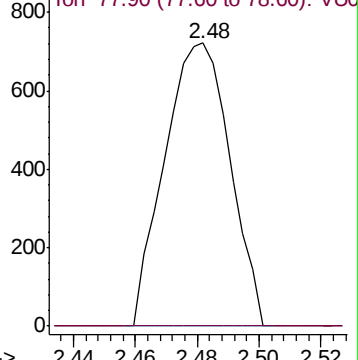
Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU027044.D (-313) (-)



#18

Methyl Acetate

Concen: 3.529 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.18 min

Lab File: VU027044.D

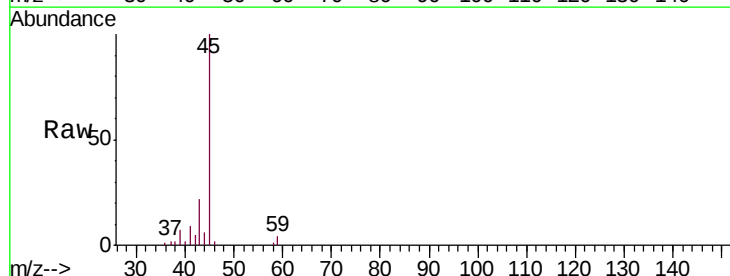
Acq: 23 Sep 2018 03:01

Tgt Ion: 43 Resp: 9408

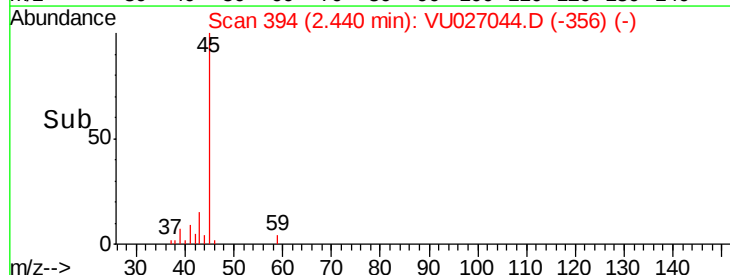
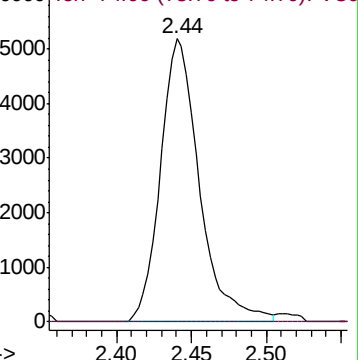
Ion Ratio Lower Upper

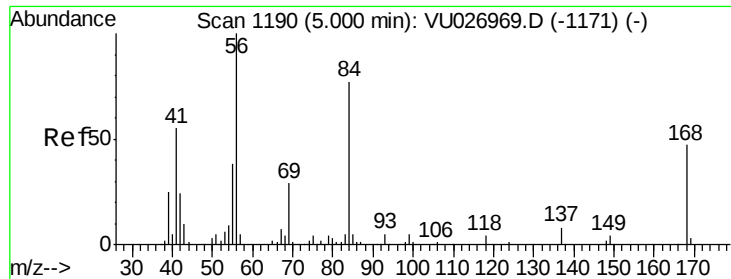
43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU027044.D (-356) (-)

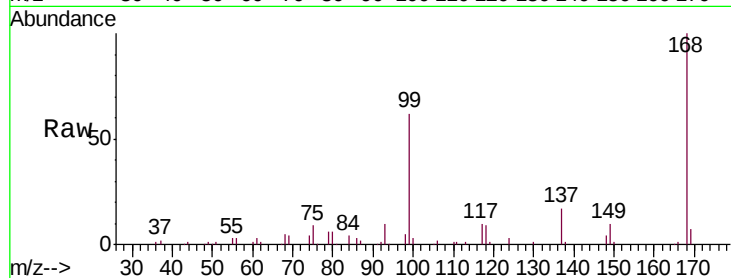




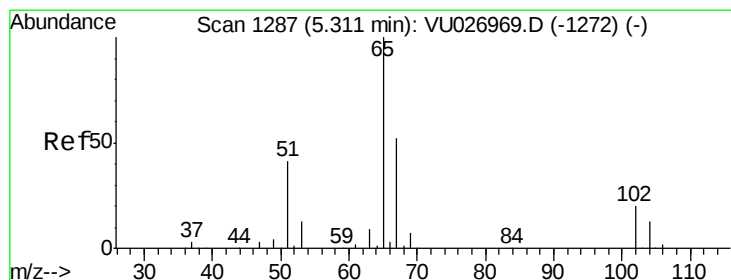
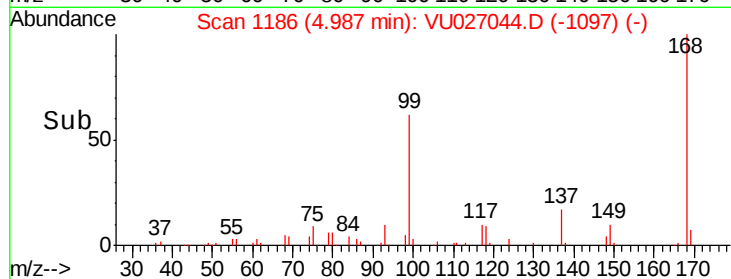
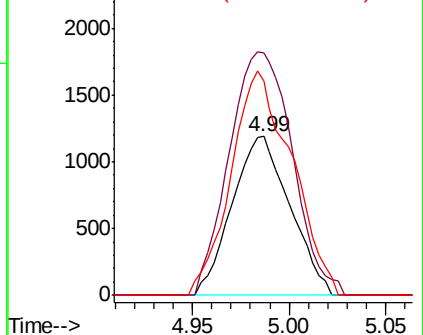
#31
Cyclohexane
Concen: 0.320 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ138I1-20180911

Tgt Ion: 56 Resp: 2487
Ion Ratio Lower Upper
56 100
69 153.1 23.0 34.4#
84 134.9 61.4 92.2#

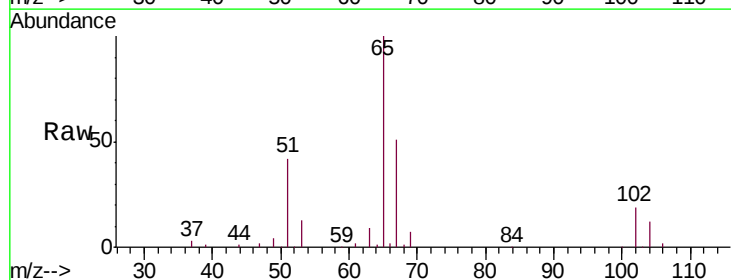


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

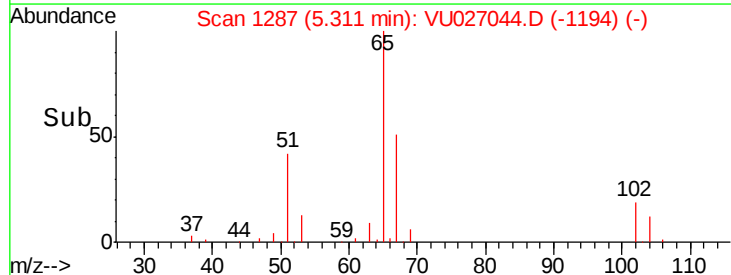
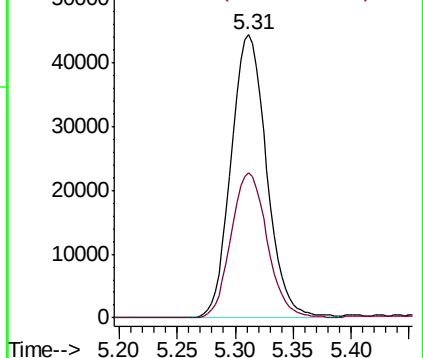


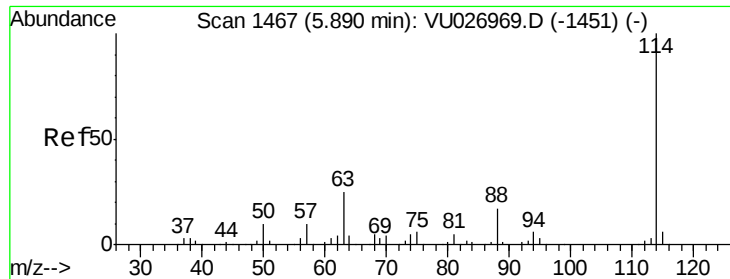
#33
1,2-Dichloroethane-d4
Concen: 50.523 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Tgt Ion: 65 Resp: 94626
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

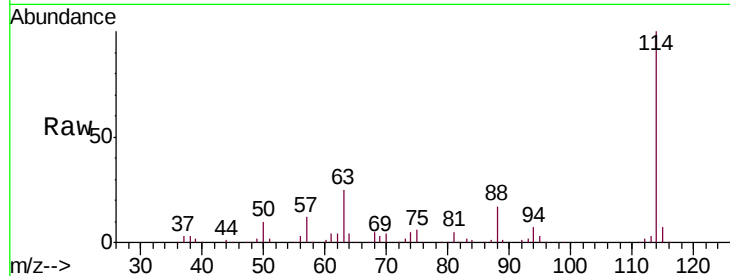




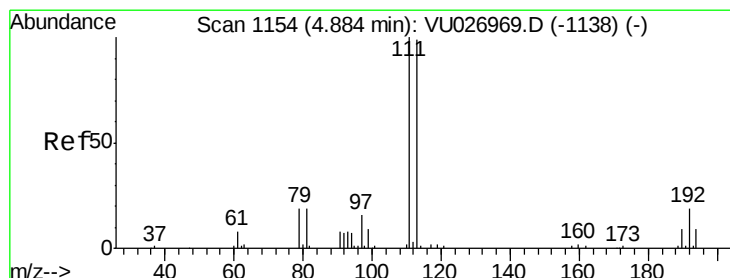
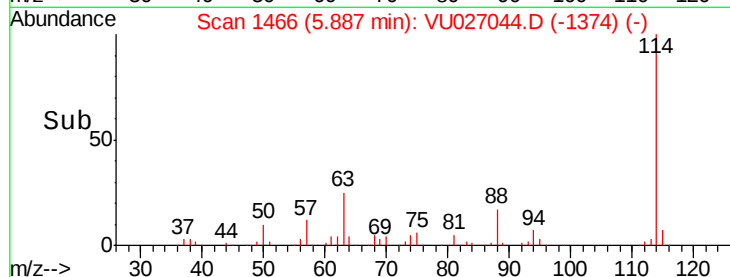
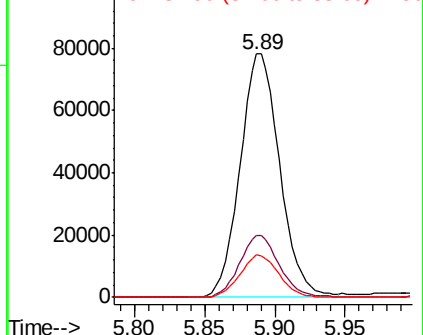
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13811-20180911

Tgt Ion:114 Resp: 154039
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.3 0.0 33.8

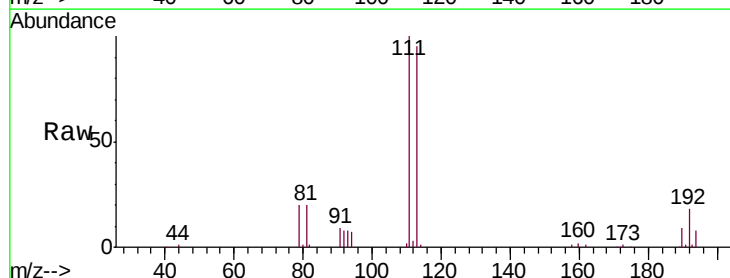


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

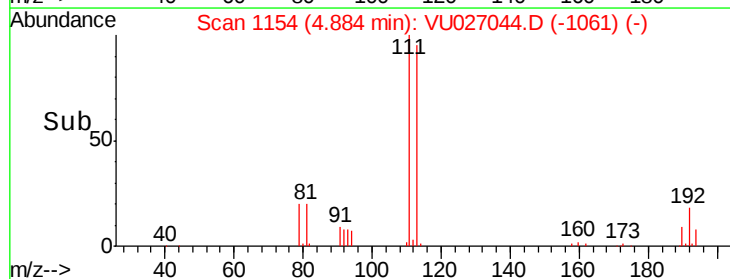
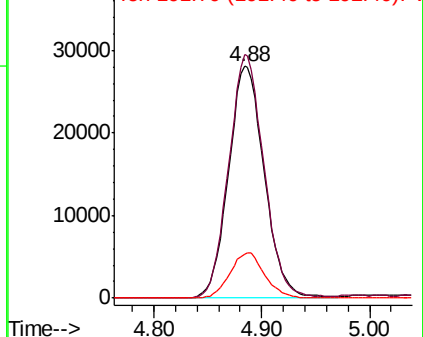


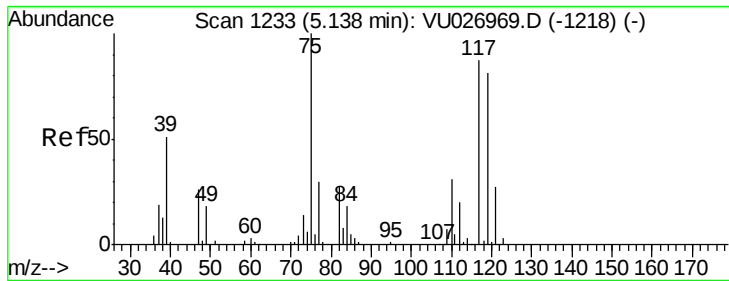
#35
 Dibromofluoromethane
 Concen: 48.699 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

Tgt Ion:113 Resp: 65023
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.2 123.4
 192 18.8 15.2 22.8



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

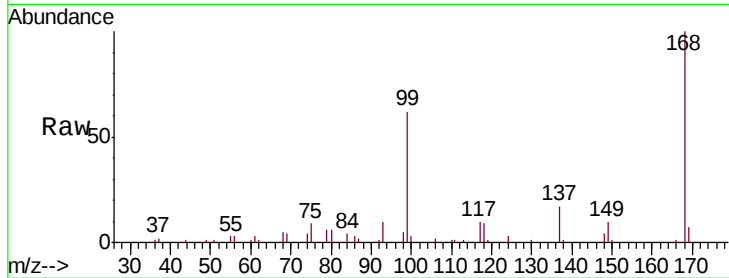




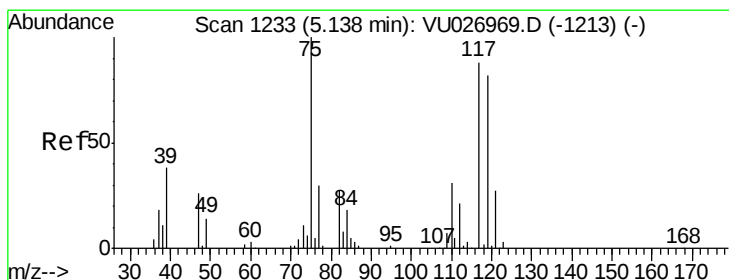
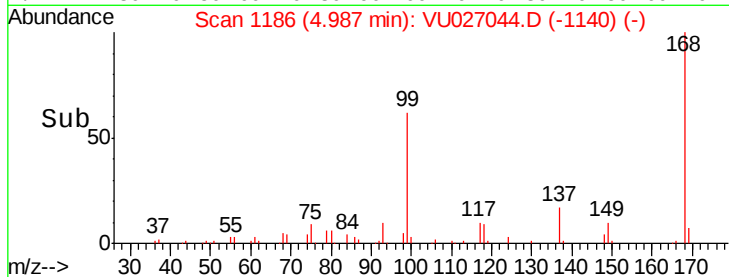
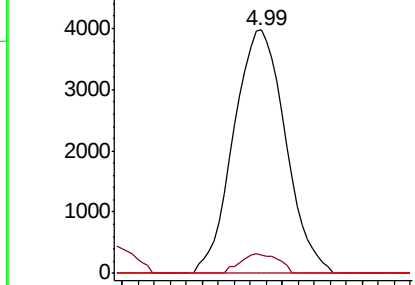
#36
 1,1-Dichloropropene
 Concen: 4.287 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ138I1-20180911

Tgt Ion: 75 Resp: 8814
 Ion Ratio Lower Upper
 75 100
 110 5.9 16.1 48.2#
 77 0.0 24.6 36.8#

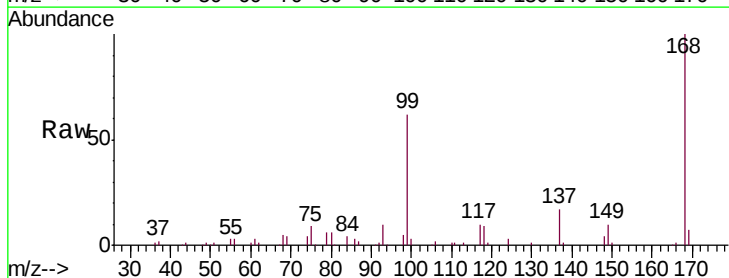


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

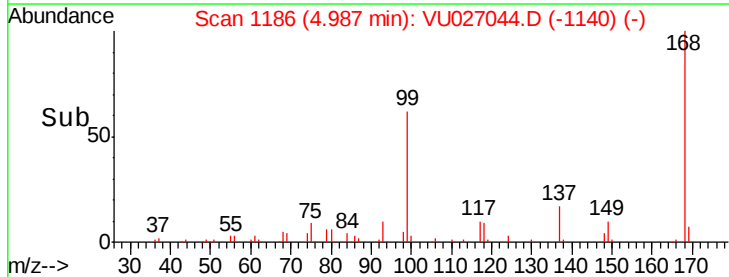
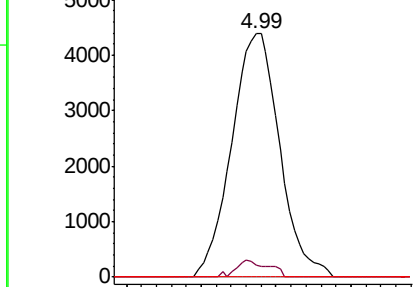


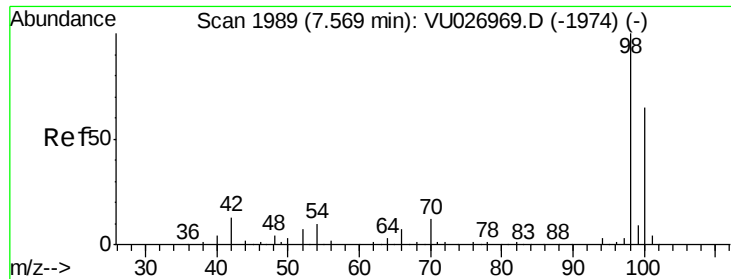
#38
 Carbon Tetrachloride
 Concen: 5.012 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

Tgt Ion: 117 Resp: 9806
 Ion Ratio Lower Upper
 117 100
 119 4.9 74.4 111.6#
 121 0.0 24.2 36.4#



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

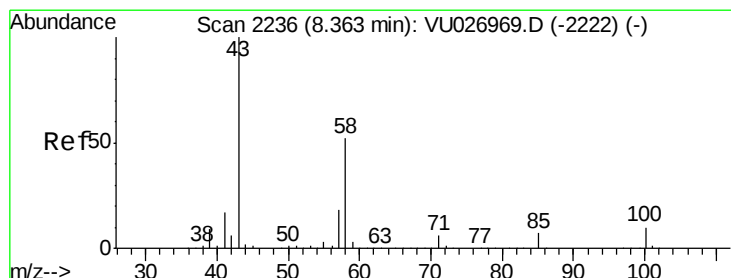
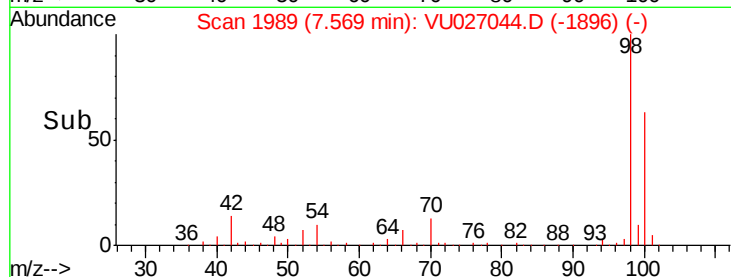
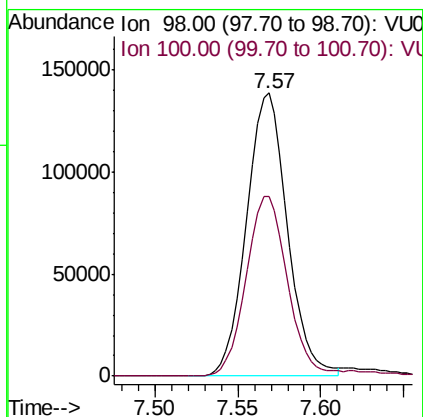
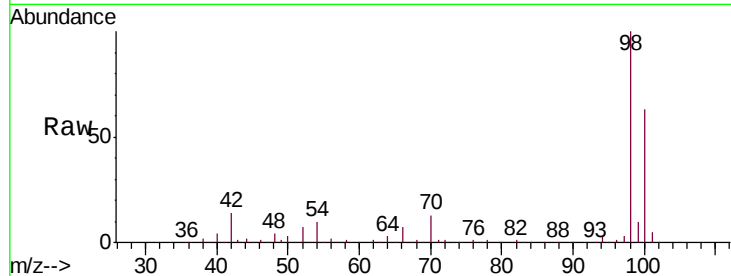




#50
Toluene-d8
Concen: 46.987 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

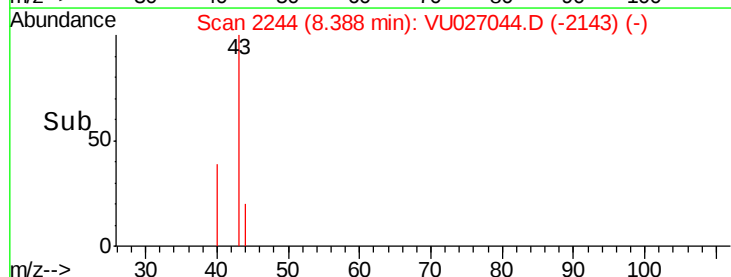
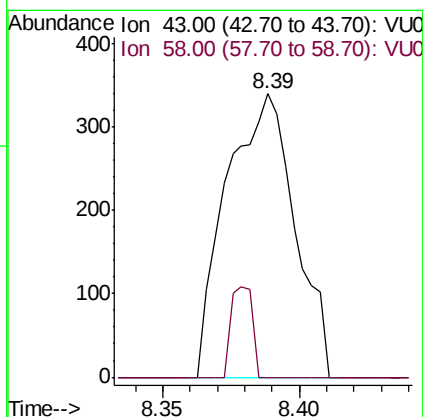
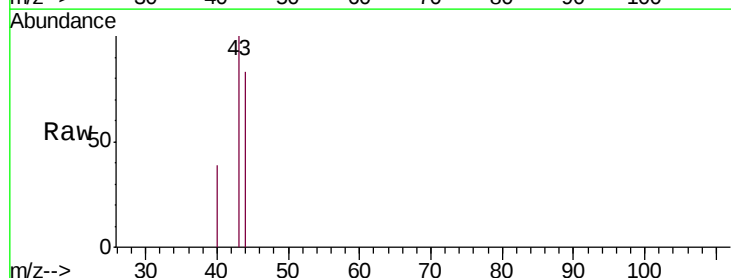
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ138I1-20180911

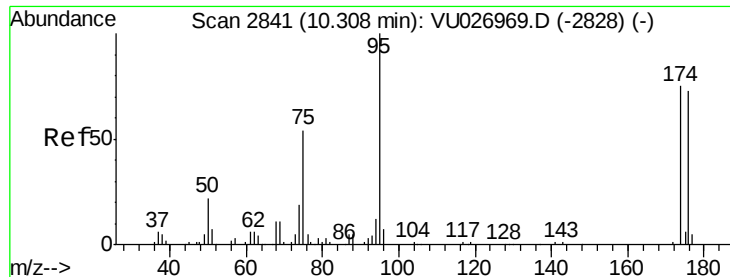
Tgt Ion: 98 Resp: 239097
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#59
2-Hexanone
Concen: 0.277 ug/l
RT: 8.39 min Scan# 2244
Delta R.T. 0.03 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Tgt Ion: 43 Resp: 592
Ion Ratio Lower Upper
43 100
58 10.3 26.1 78.2#





#62

4-Bromofluorobenzene

Concen: 45.673 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027044.D

Acq: 23 Sep 2018 03:01

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ138I1-20180911

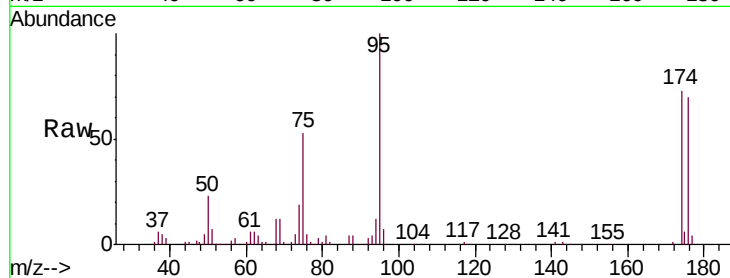
Tgt Ion: 95 Resp: 79747

Ion Ratio Lower Upper

95 100

174 73.6 0.0 150.2

176 71.4 0.0 145.2

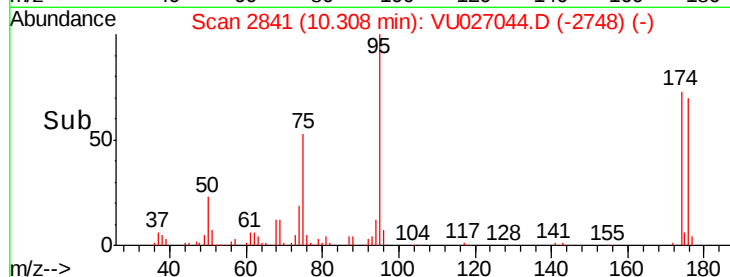


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

Time-->

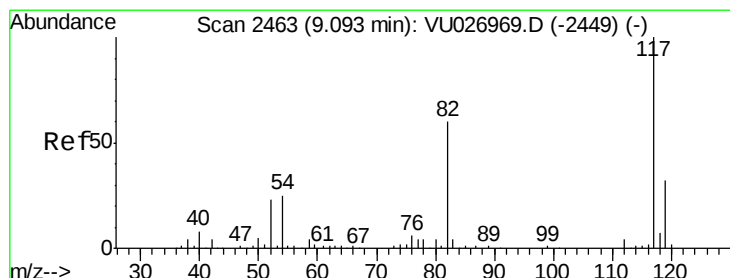


Abundance Ion 94.90 (94.60 to 95.60): VU027044.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027044.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027044.D (-2748) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU027044.D

Acq: 23 Sep 2018 03:01

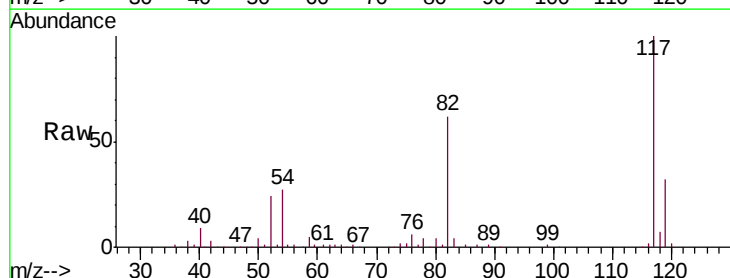
Tgt Ion: 117 Resp: 149242

Ion Ratio Lower Upper

117 100

82 61.8 48.0 72.0

119 31.5 25.8 38.8

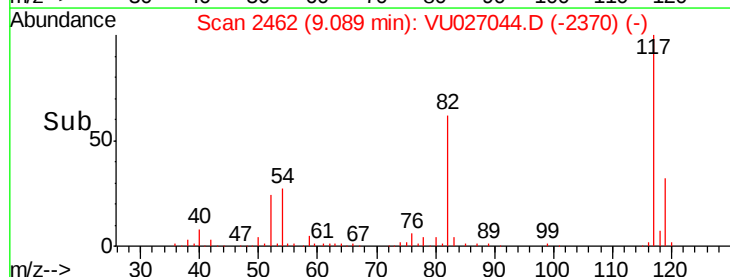


Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)

Time-->

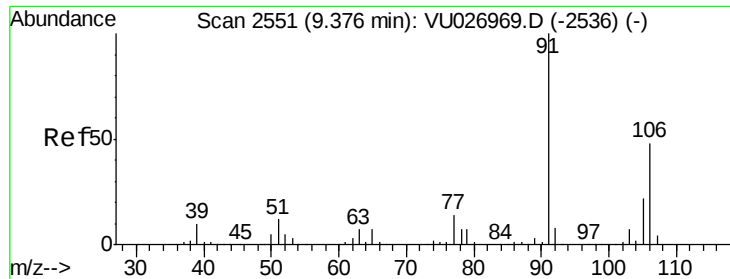


Abundance Ion 116.90 (116.60 to 117.60): VU027044.D (-2370) (-)

Ion 82.00 (81.70 to 82.70): VU027044.D (-2370) (-)

Ion 118.90 (118.60 to 119.60): VU027044.D (-2370) (-)

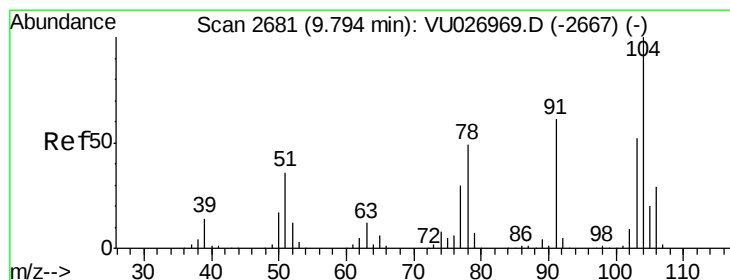
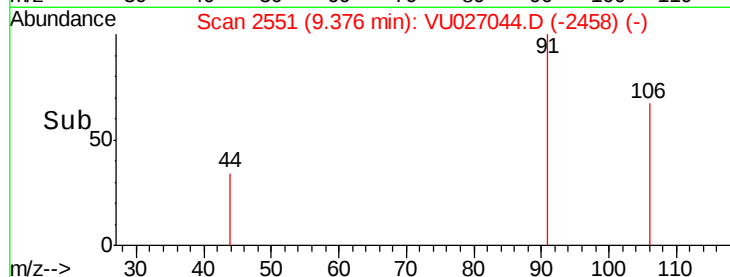
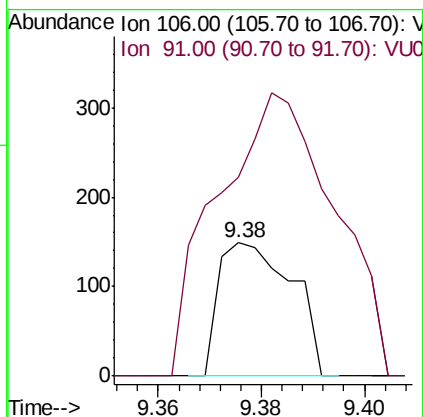
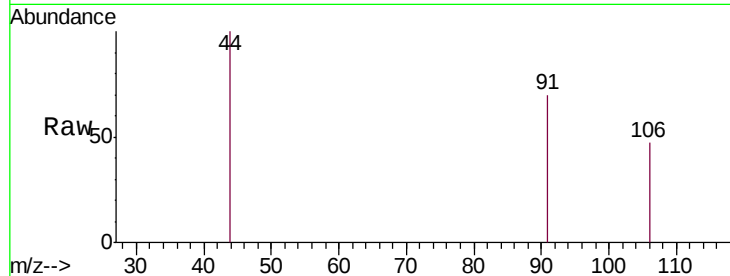
Time-->



#68
m/p-Xylenes
Concen: 1.555 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

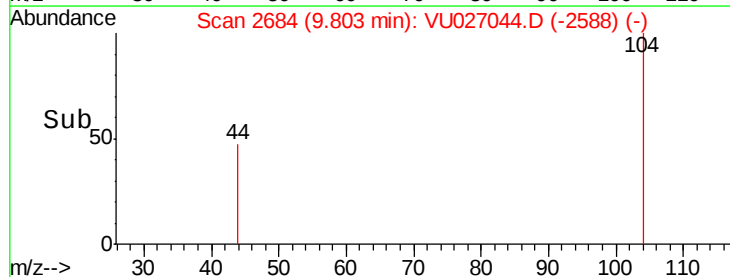
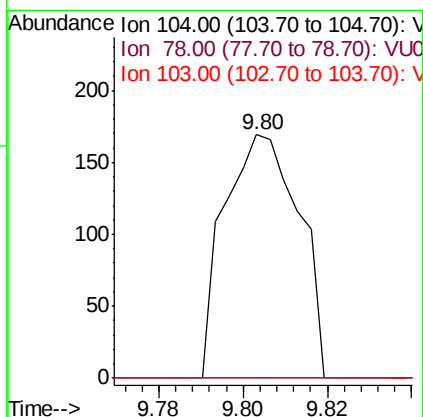
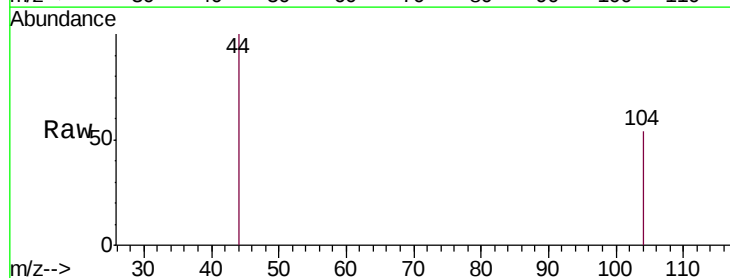
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ138I1-20180911

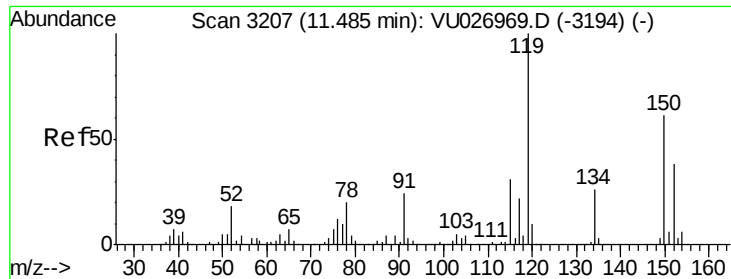
Tgt Ion:106 Resp: 146
Ion Ratio Lower Upper
106 100
91 340.4 166.5 249.7#



#70
Styrene
Concen: 1.856 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Tgt Ion:104 Resp: 207
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 0.0 44.1 66.1#



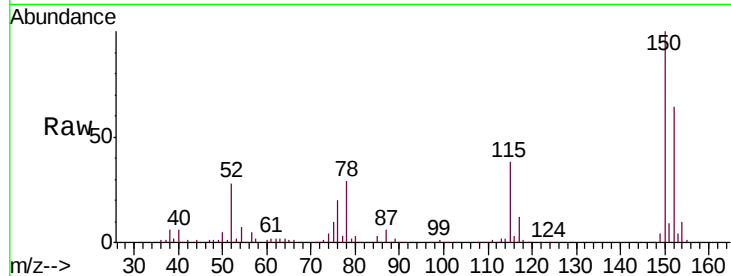


#72

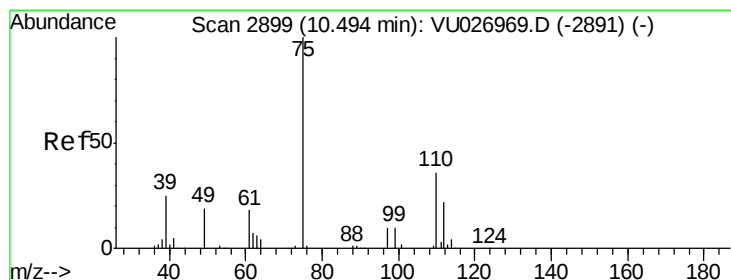
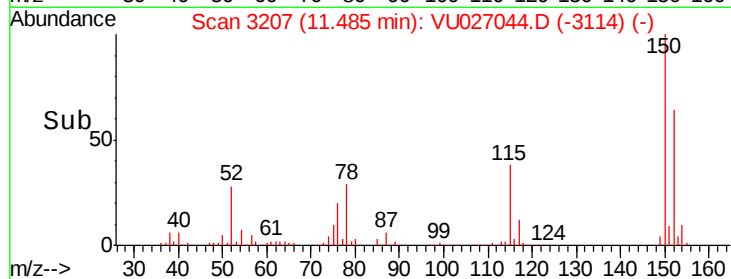
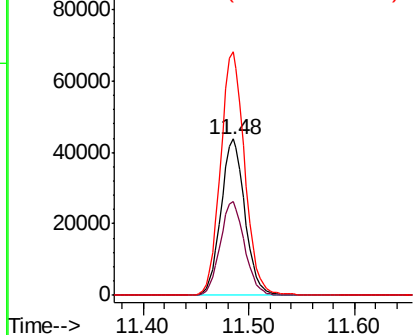
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13811-20180911

Tgt Ion:152 Resp: 68897
Ion Ratio Lower Upper
152 100
115 60.6 44.9 134.5
150 156.7 0.0 355.8



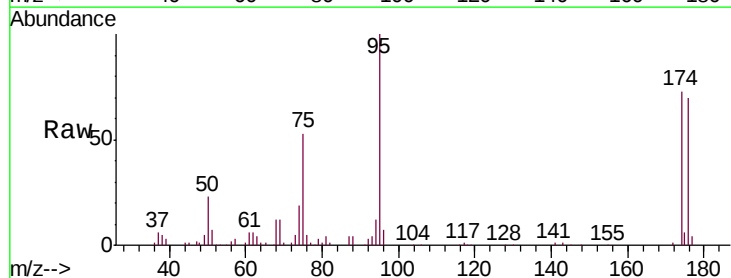
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



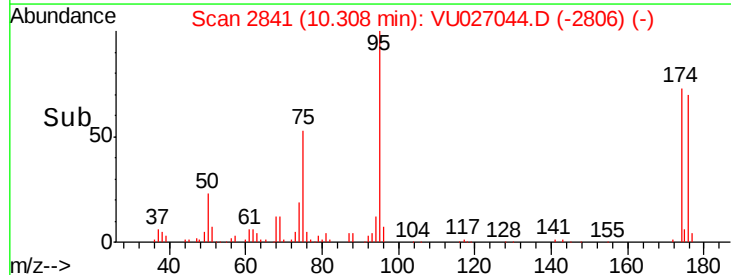
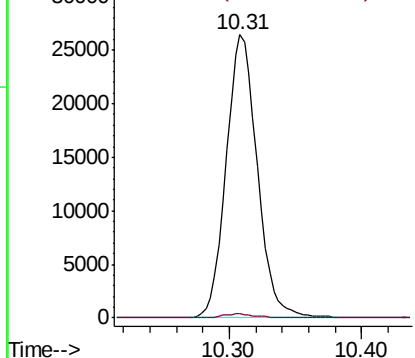
#76

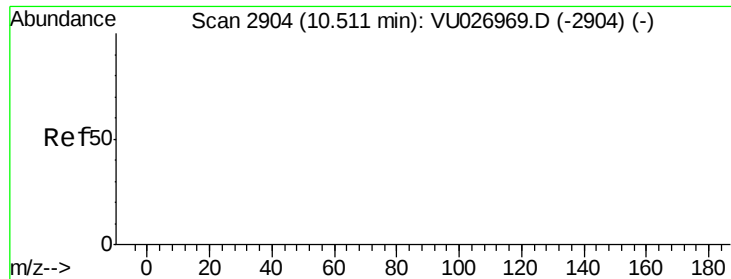
1,2,3-Trichloropropane
Concen: 20.524 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Tgt Ion: 75 Resp: 42959
Ion Ratio Lower Upper
75 100
77 1.4 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

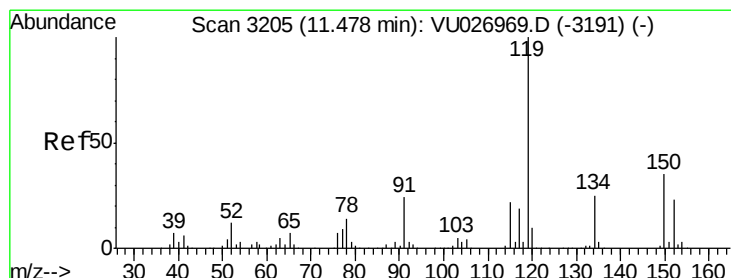
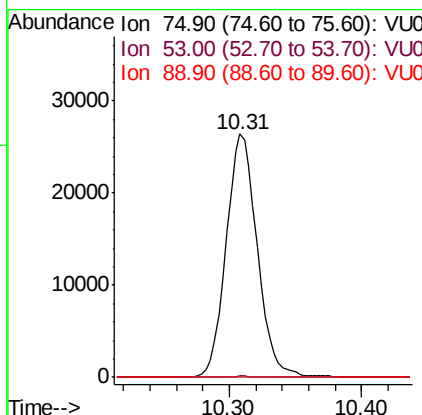
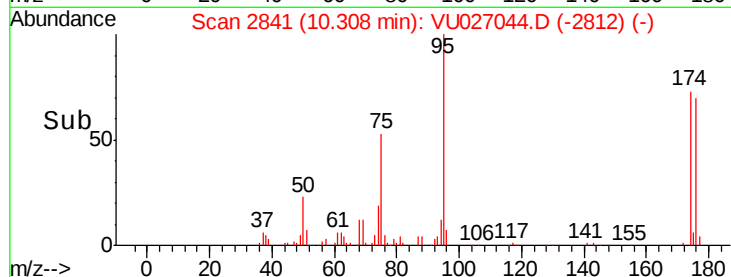
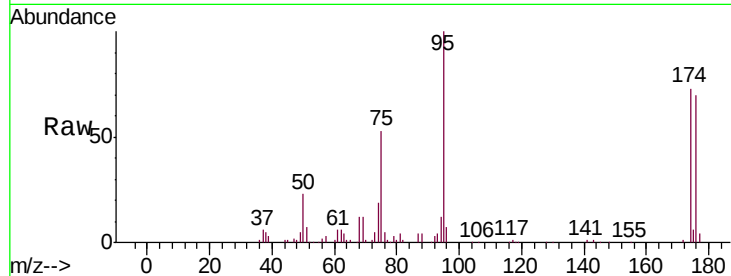




#81
trans-1,4-Dichloro-2-butene
Concen: 65.682 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

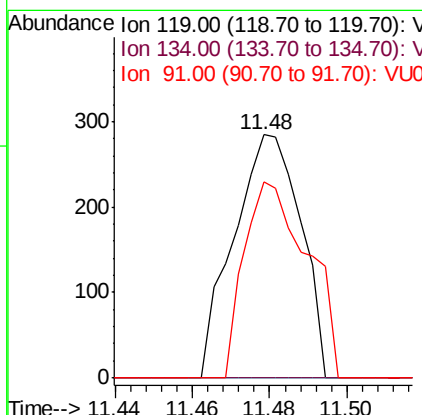
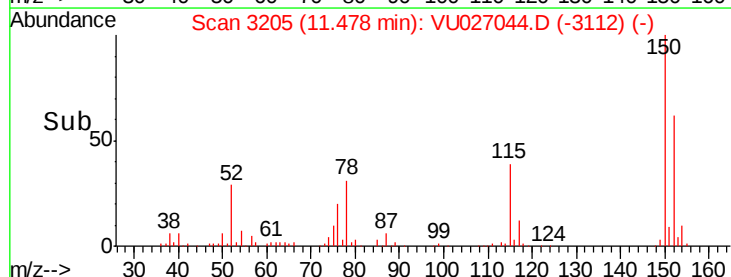
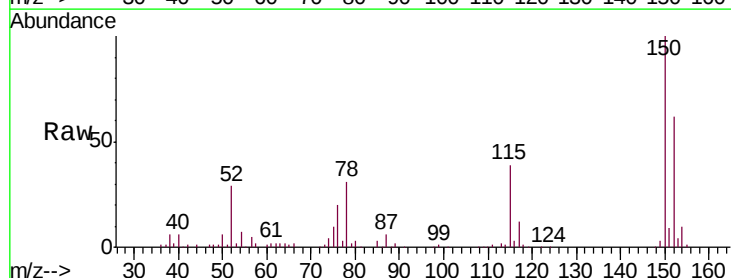
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ138I1-20180911

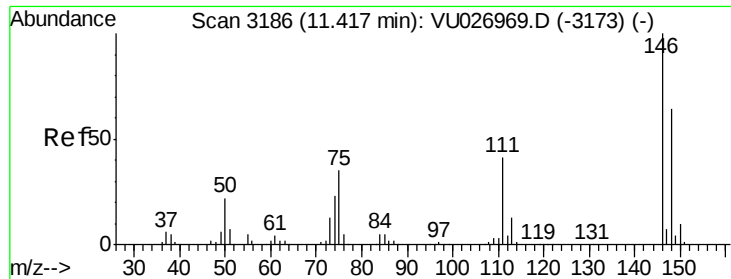
Tgt Ion: 75 Resp: 42959
Ion Ratio Lower Upper
75 100
53 0.2 0.0 0.0#
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.996 ug/l
RT: 11.48 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Tgt Ion: 119 Resp: 342
Ion Ratio Lower Upper
119 100
134 0.0 12.8 38.3#
91 76.3 12.3 36.8#

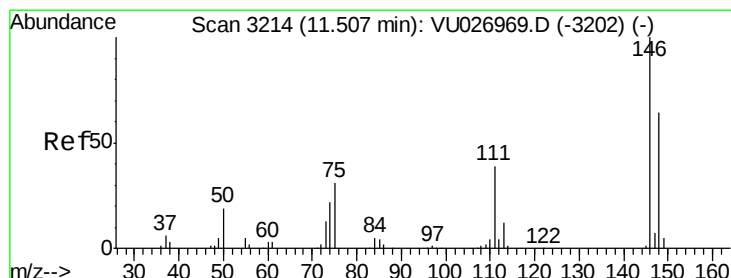
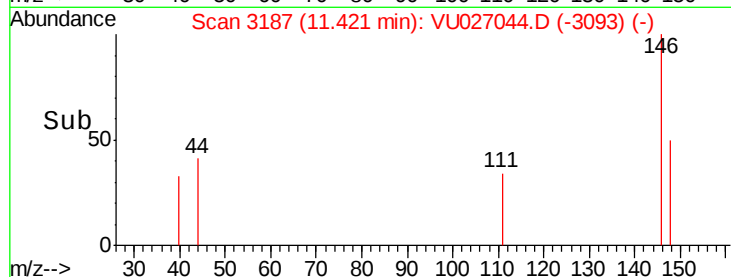
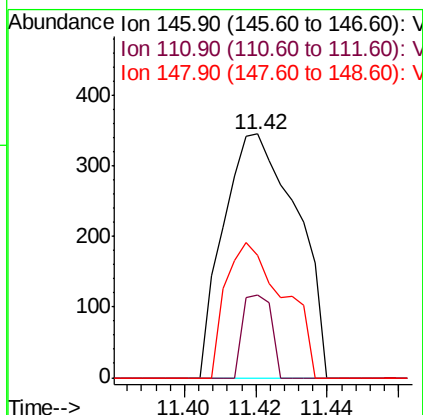
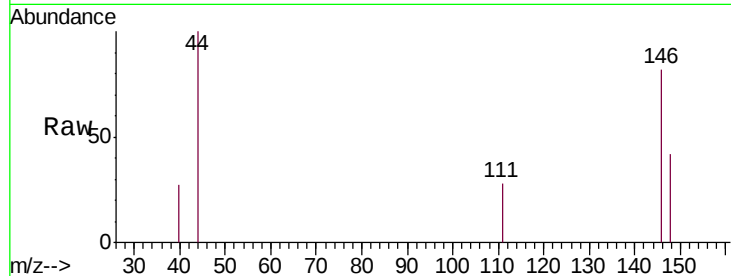




#87
 1,3-Dichlorobenzene
 Concen: 0.206 ug/l
 RT: 11.42 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

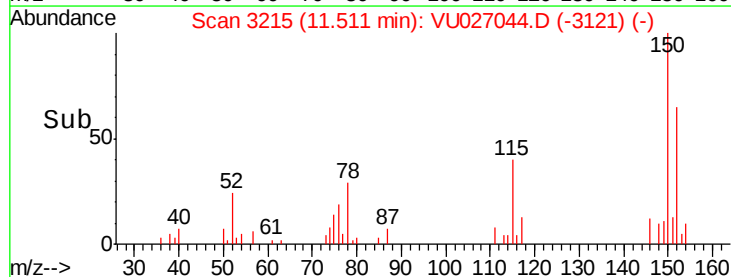
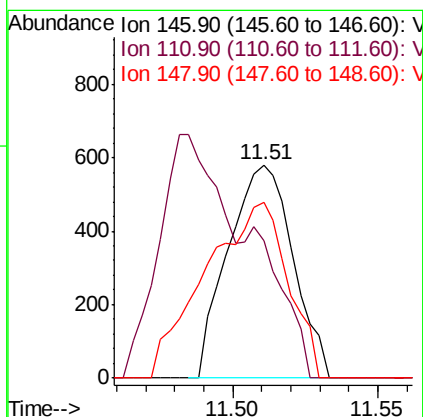
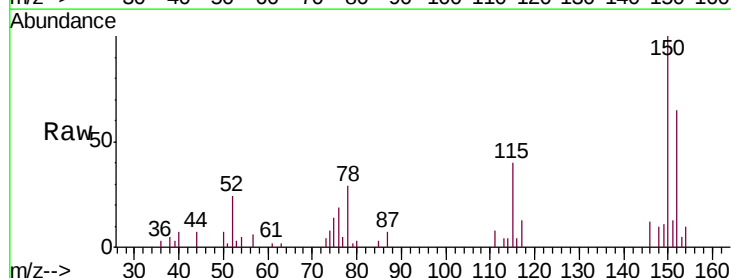
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ13811-20180911

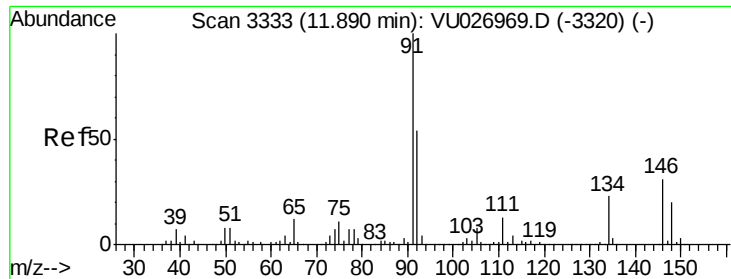
Tgt Ion:146 Resp: 491
 Ion Ratio Lower Upper
 146 100
 111 13.2 20.8 62.2#
 148 44.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.346 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027044.D
 Acq: 23 Sep 2018 03:01

Tgt Ion:146 Resp: 899
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 60.9#
 148 105.0 31.9 95.9#





#89

n-Butylbenzene

Concen: 2.518 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027044.D

Acq: 23 Sep 2018 03:01

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ13811-20180911

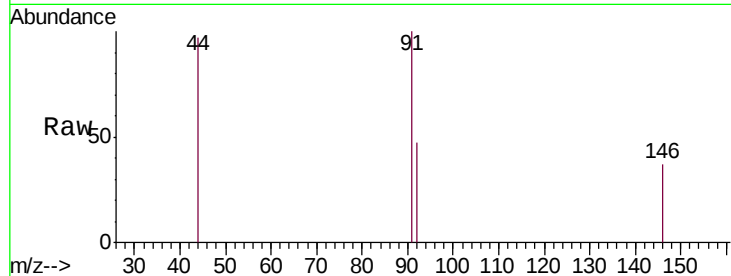
Tgt Ion: 91 Resp: 628

Ion Ratio Lower Upper

91 100

92 36.5 27.1 81.2

134 0.0 11.7 35.0#



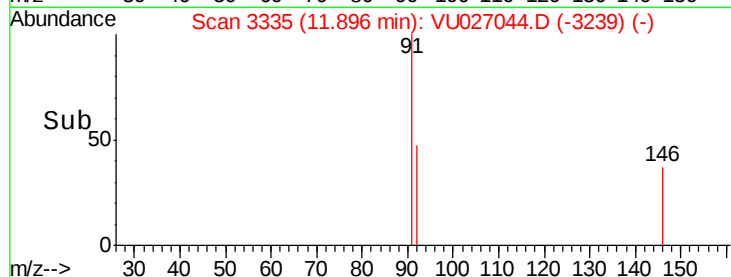
Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU026969.D (-3320) (-)

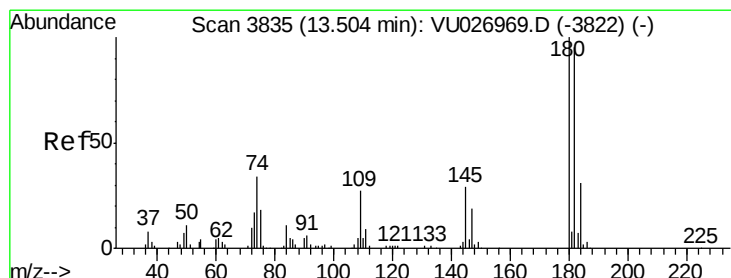
Ion 134.00 (133.70 to 134.70): VU026969.D (-3320) (-)

Time-->

11.90



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.309 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU027044.D

Acq: 23 Sep 2018 03:01

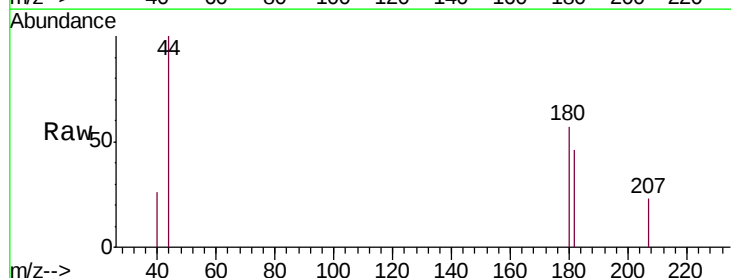
Tgt Ion: 180 Resp: 451

Ion Ratio Lower Upper

180 100

182 82.9 47.4 142.2

145 0.0 14.9 44.5#



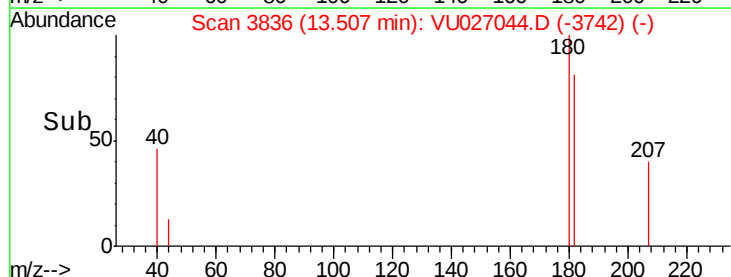
Abundance Ion 179.80 (179.50 to 180.50): VU026969.D (-3822) (-)

Ion 181.80 (181.50 to 182.50): VU026969.D (-3822) (-)

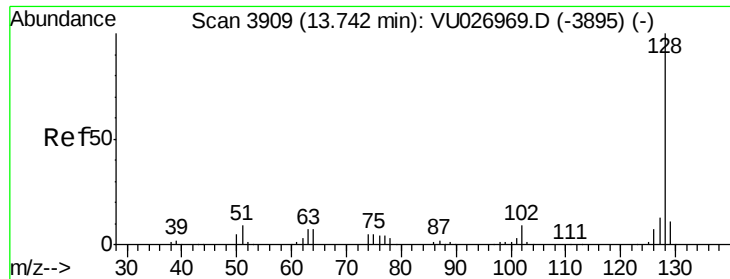
Ion 144.80 (144.50 to 145.50): VU026969.D (-3822) (-)

Time-->

13.51



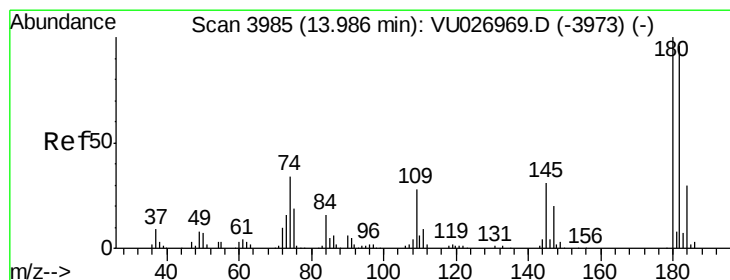
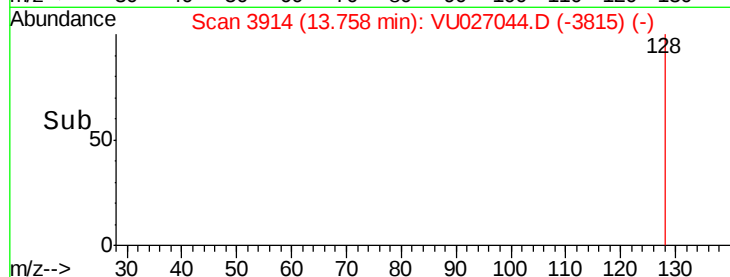
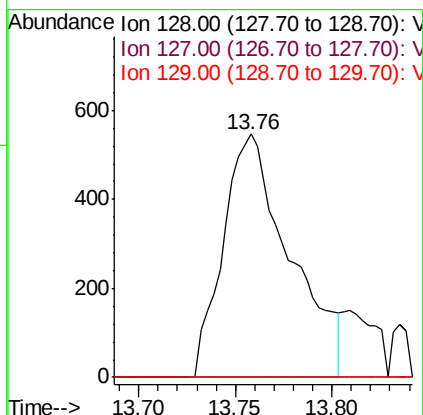
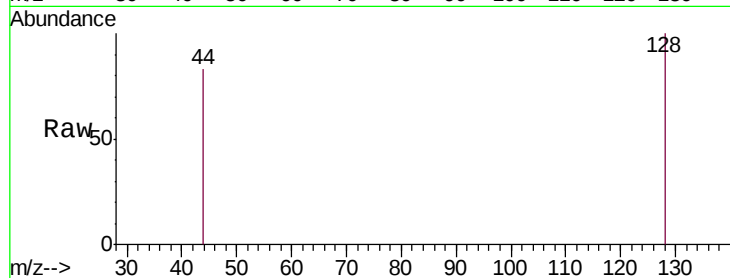
Time-->



#95
Naphthalene
Concen: 1.911 ug/l
RT: 13.76 min Scan# 3914
Delta R.T. 0.02 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ13811-20180911

Tgt Ion:128 Resp: 1309
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.210 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027044.D
Acq: 23 Sep 2018 03:01

Tgt Ion:180 Resp: 328
Ion Ratio Lower Upper
180 100
182 120.7 47.5 142.5
145 0.0 15.4 46.4#

