

Data File : VU027016.D
Acq On : 22 Sep 2018 15:24
Operator : MD/SY
Sample : J4958-11
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 56 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

Quant Time: Sep 24 02:50:37 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	99634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	163801	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	156718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70510	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97152	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
35) Dibromofluoromethane	4.88	113	67957	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	7.57	98	249686	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	10.31	95	82729	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	

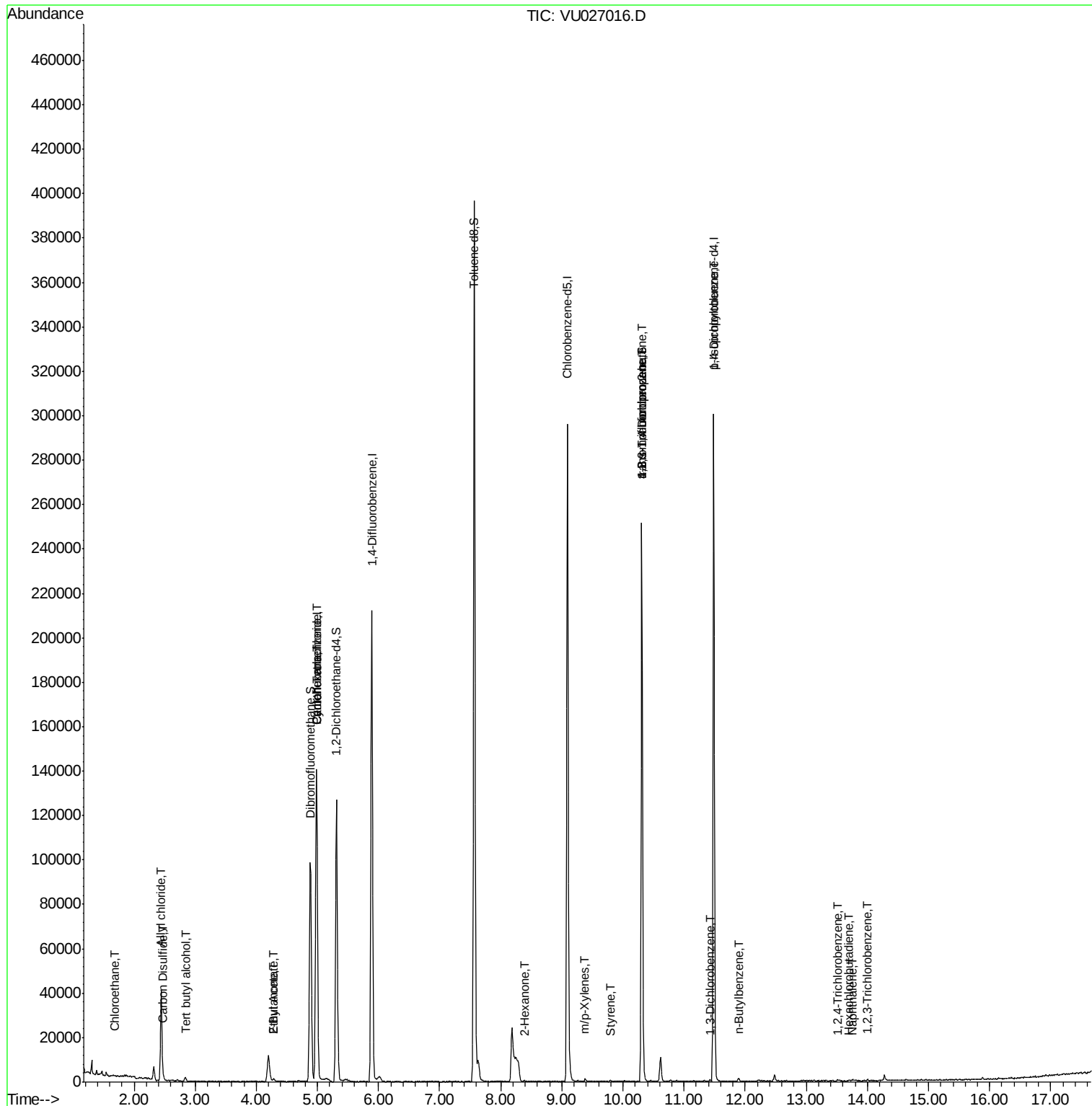
Target Compounds			Qvalue			
6) Chloroethane	1.69	64	577	0.431	ug/l #	43
11) Tert butyl alcohol	2.84	59	1355	2.948	ug/l #	72
14) Allyl chloride	2.44	41	4089	1.465	ug/l #	71
16) Acetone	2.32	43	5850	Below Cal		92
17) Carbon Disulfide	2.48	76	1094	0.244	ug/l #	75
25) 2-Butanone	4.28	43	1960	1.163	ug/l	98
31) Cyclohexane	4.98	56	2486	0.260	ug/l #	1
37) Ethyl Acetate	4.28	43	1960	0.662	ug/l #	70
38) Carbon Tetrachloride	4.99	117	10221	4.913	ug/l #	18
59) 2-Hexanone	8.39	43	579	0.255	ug/l	67
68) m/p-Xylenes	9.38	106	412	1.647	ug/l	88
70) Styrene	9.80	104	174	1.847	ug/l #	40
76) 1,2,3-Trichloropropane	10.31	75	44736	20.884	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44736	66.834	ug/l #	100
86) p-Isopropyltoluene	11.48	119	416	1.009	ug/l #	73
87) 1,3-Dichlorobenzene	11.42	146	522	0.214	ug/l	75
89) n-Butylbenzene	11.89	91	675	2.525	ug/l	73
93) 1,2,4-Trichlorobenzene	13.51	180	447	0.299	ug/l #	87
94) Hexachlorobutadiene	13.70	225	160	0.203	ug/l #	45
95) Naphthalene	13.75	128	1181	1.885	ug/l #	69
96) 1,2,3-Trichlorobenzene	14.00	180	397	0.248	ug/l #	82

(#) = 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: VU027016.D

Acq: 22 Sep 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

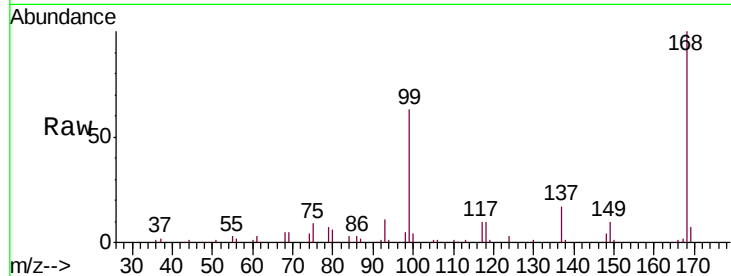
BP-TT-EB02-20180914

Tgt Ion:168 Resp: 99634

Ion Ratio Lower Upper

168 100

99 62.5 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) (-)

4.99

50000

40000

30000

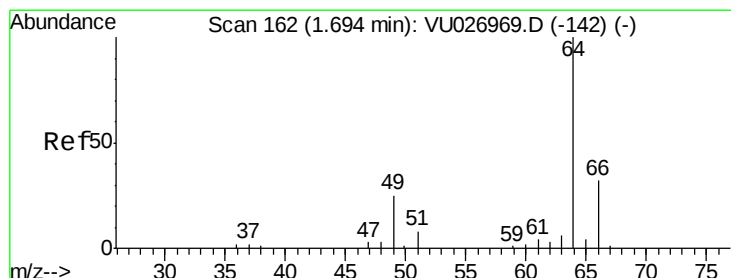
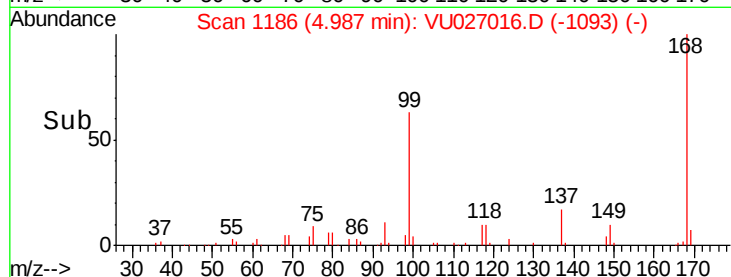
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.431 ug/l

RT: 1.69 min Scan# 160

Delta R.T. -0.01 min

Lab File: VU027016.D

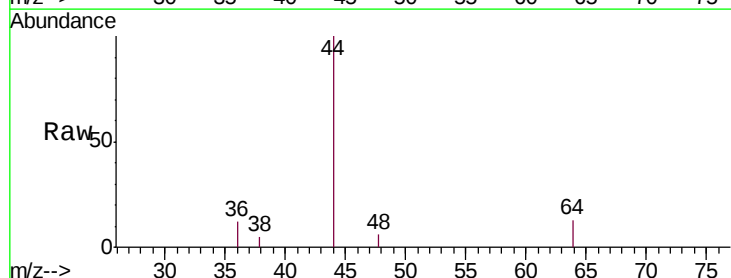
Acq: 22 Sep 2018 15:24

Tgt Ion: 64 Resp: 577

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.69

300

250

200

150

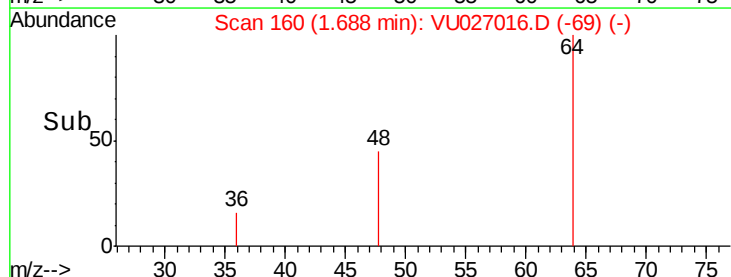
100

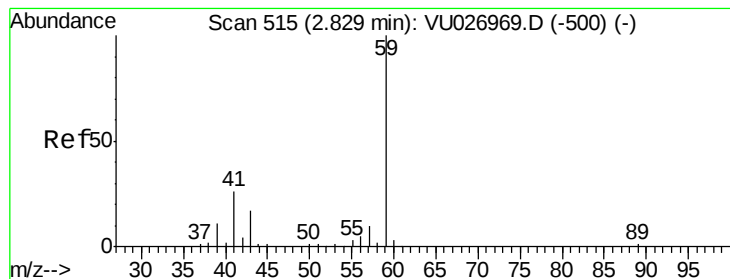
50

0

1.65 1.70

Time-->



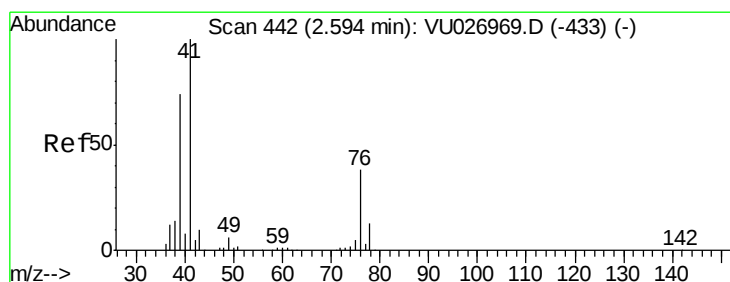
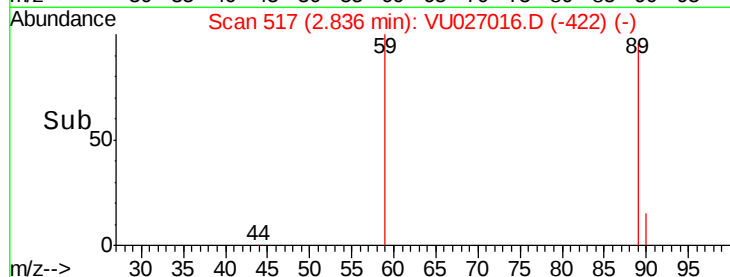
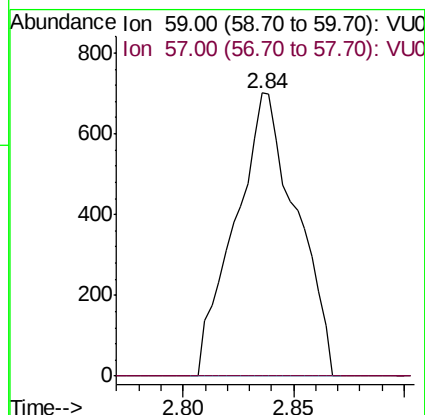
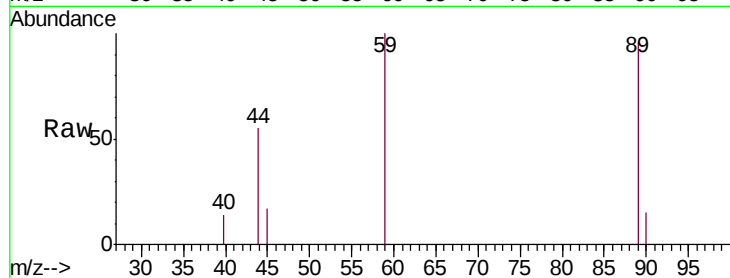


#11

Tert butyl alcohol
 Concen: 2.948 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

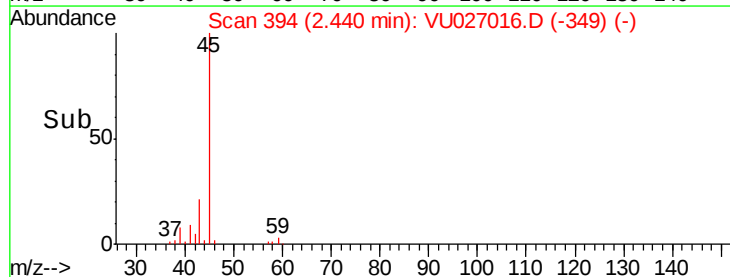
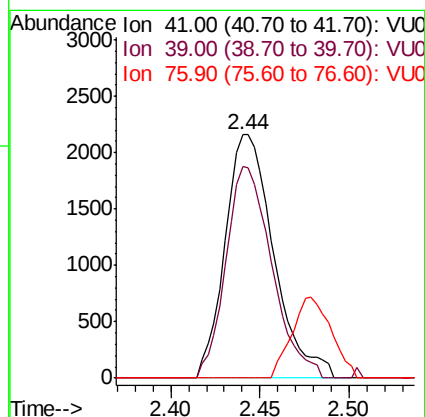
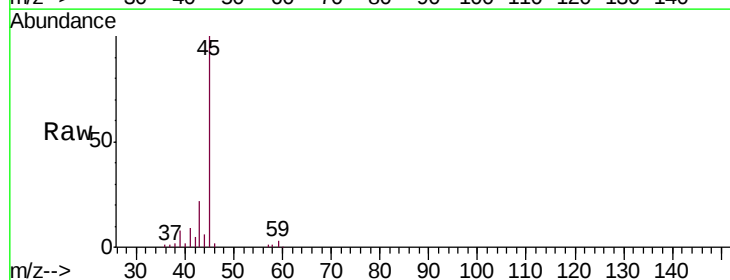
Tgt Ion: 59 Resp: 1355
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

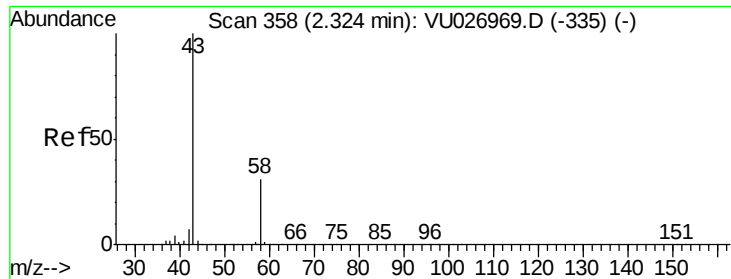


#14

Allyl chloride
 Concen: 1.465 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

Tgt Ion: 41 Resp: 4089
 Ion Ratio Lower Upper
 41 100
 39 82.1 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: VU027016.D

Acq: 22 Sep 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

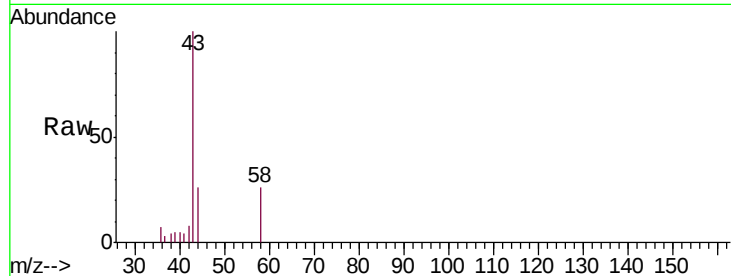
BP-TT-EB02-20180914

Tgt Ion: 43 Resp: 5850

Ion Ratio Lower Upper

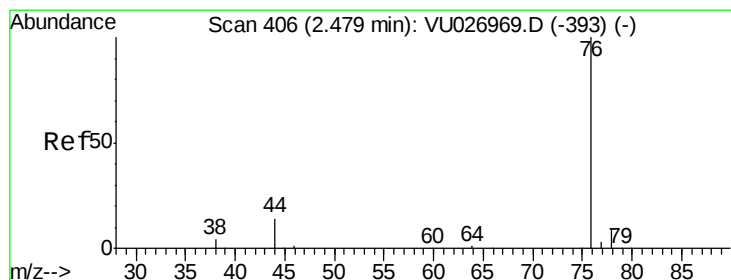
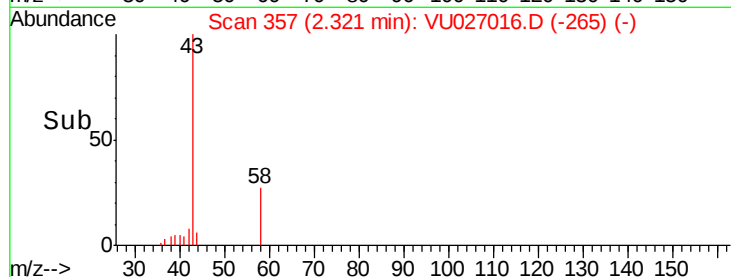
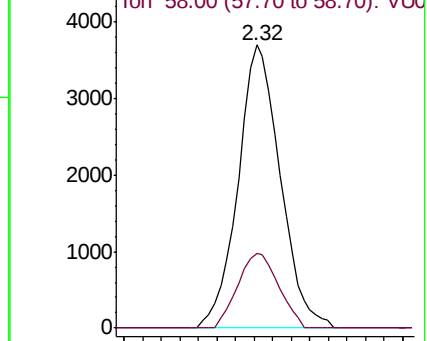
43 100

58 26.4 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-335) (-)



#17

Carbon Disulfide

Concen: 0.244 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027016.D

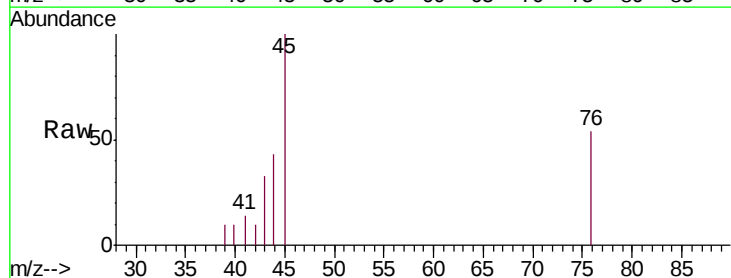
Acq: 22 Sep 2018 15:24

Tgt Ion: 76 Resp: 1094

Ion Ratio Lower Upper

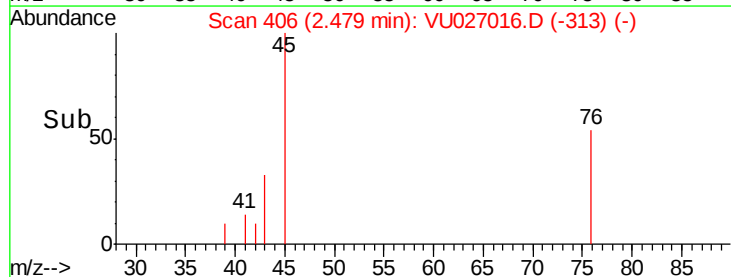
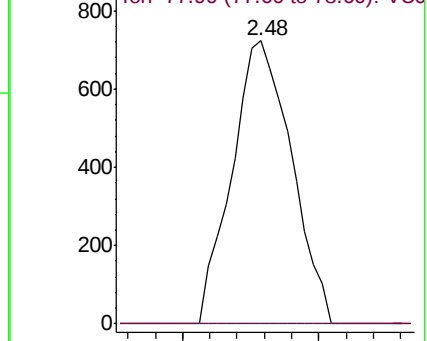
76 100

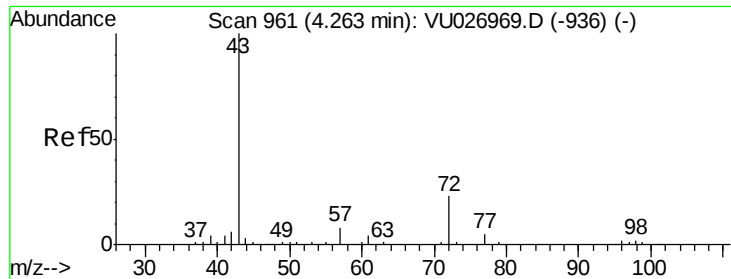
78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU026969.D (-393) (-)

Ion 77.90 (77.60 to 78.60): VU026969.D (-393) (-)

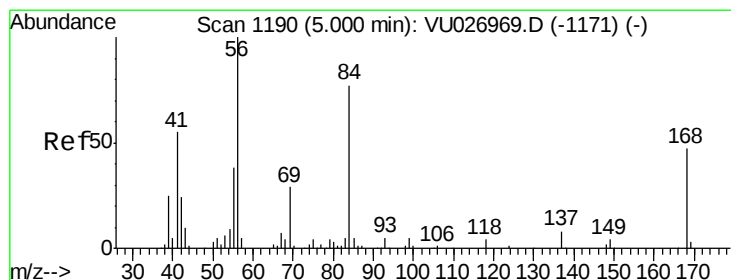
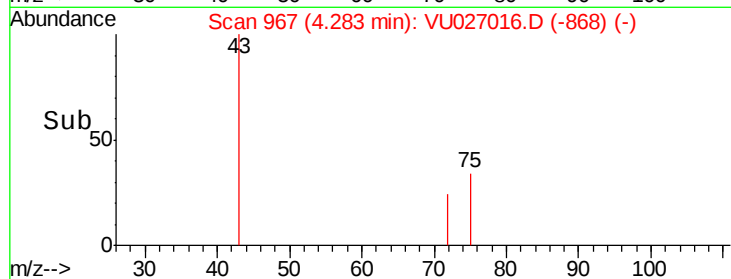
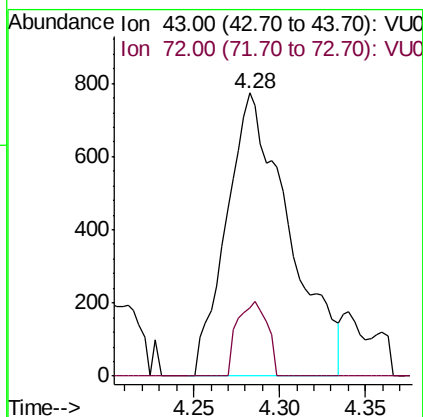
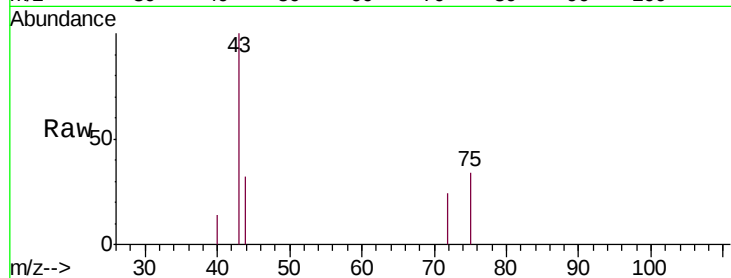




#25
2-Butanone
Concen: 1.163 ug/l
RT: 4.28 min Scan# 967
Delta R.T. 0.02 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

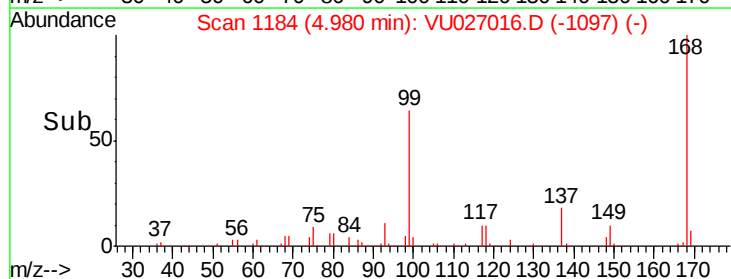
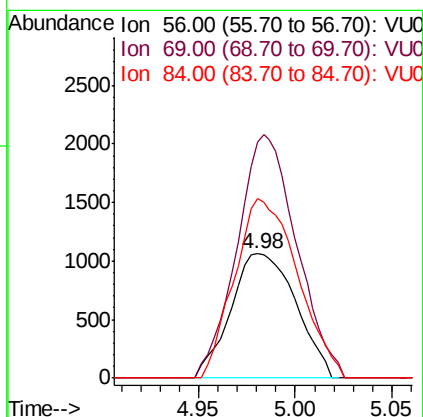
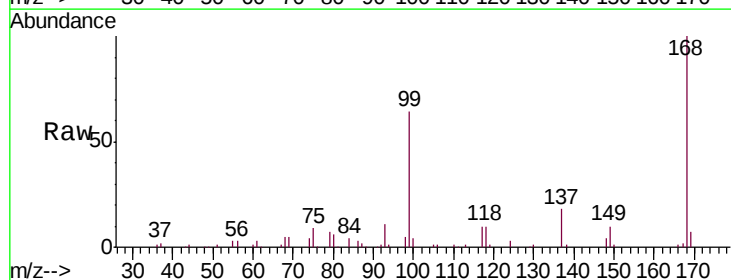
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

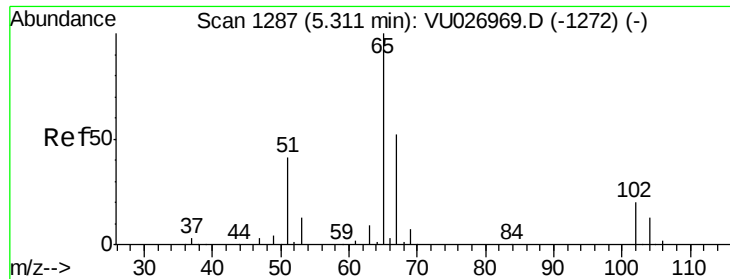
Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
72 24.1 18.4 27.6



#31
Cyclohexane
Concen: 0.260 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion: 56 Resp: 2486
Ion Ratio Lower Upper
56 100
69 189.7 23.0 34.4#
84 144.2 61.4 92.2#

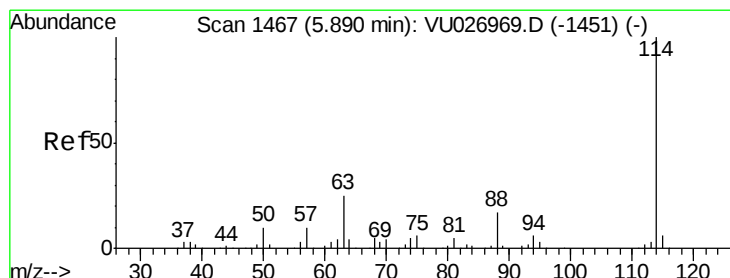
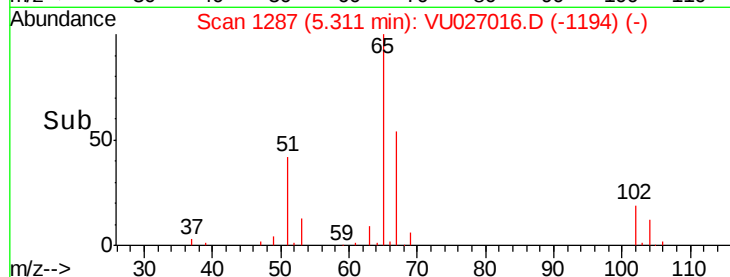
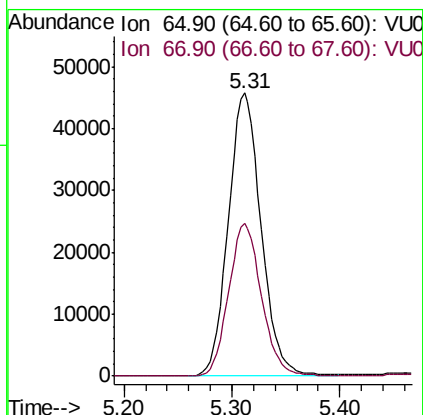
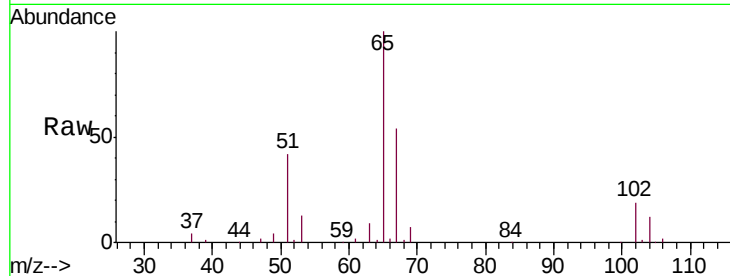




#33
 1,2-Dichloroethane-d4
 Concen: 48.448 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

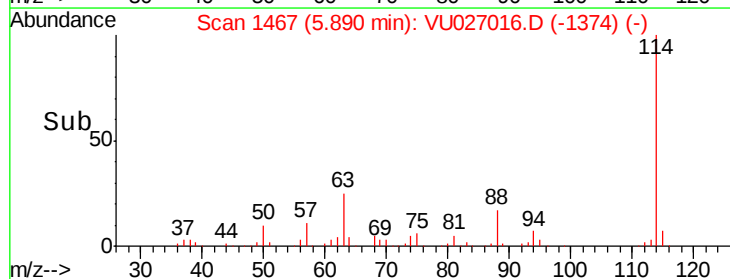
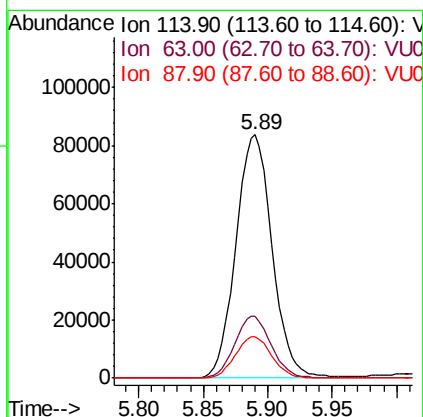
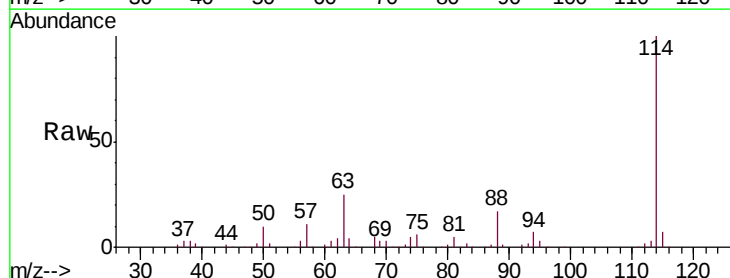
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

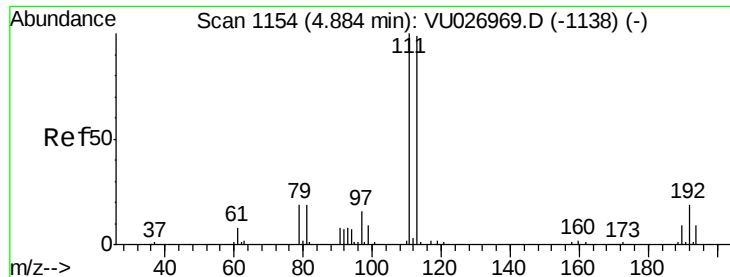
Tgt Ion: 65 Resp: 97152
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

Tgt Ion: 114 Resp: 163801
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 49.2
 88 17.0 0.0 33.8

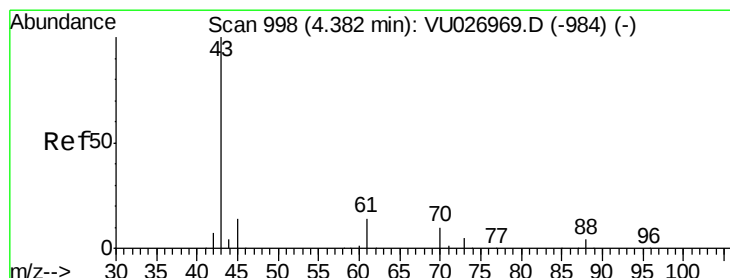
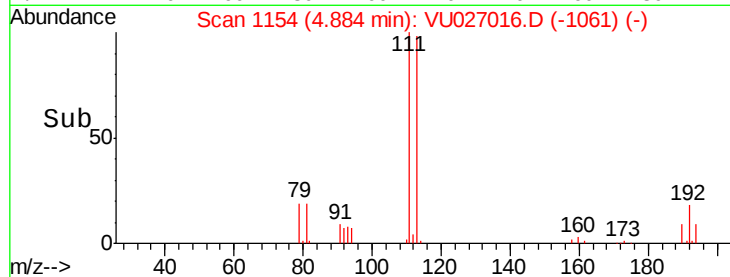
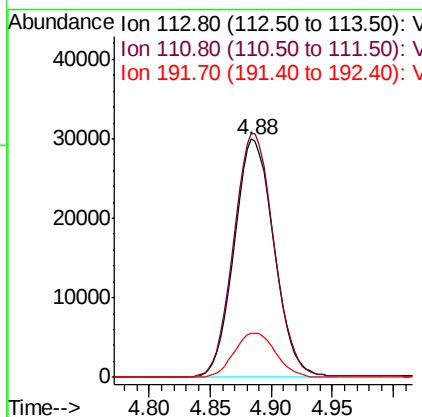
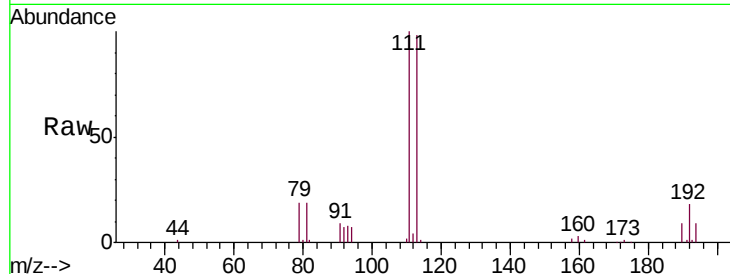




#35
 Dibromofluoromethane
 Concen: 47.863 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

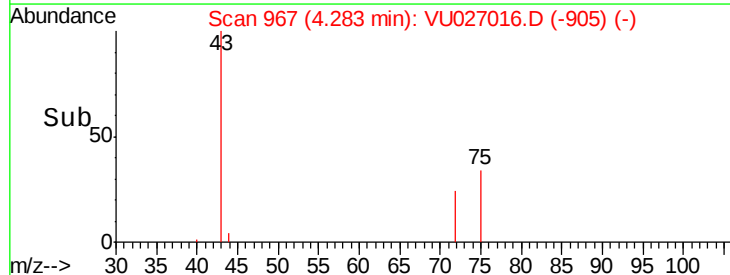
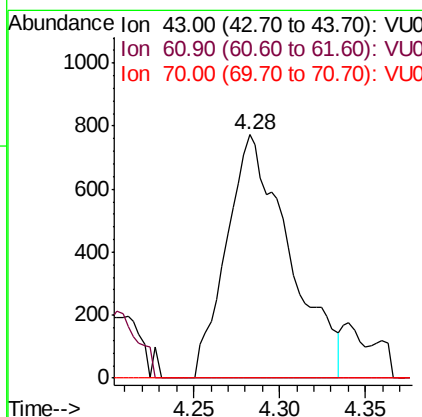
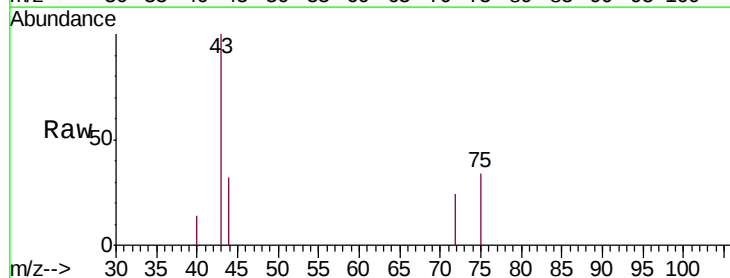
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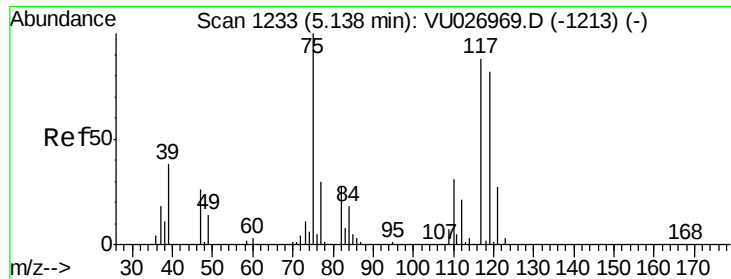
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	19.2	15.2	22.8



#37
 Ethyl Acetate
 Concen: 0.662 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. -0.10 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.5	15.7#
70	0.0	7.4	11.0#

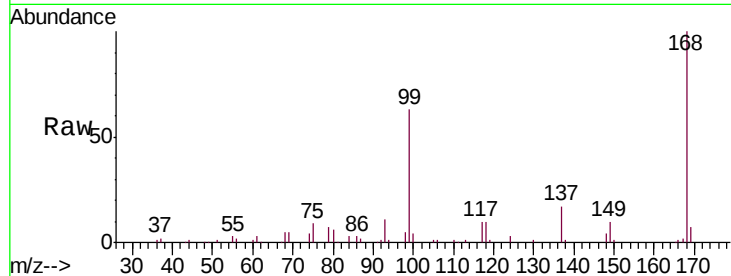




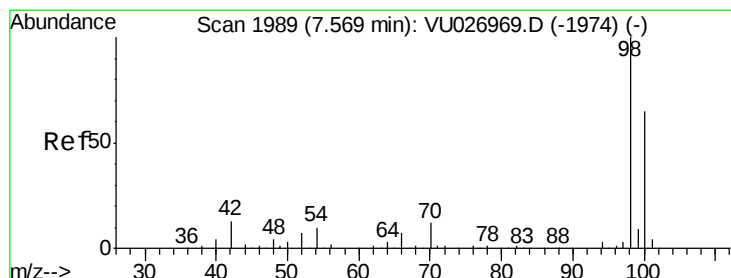
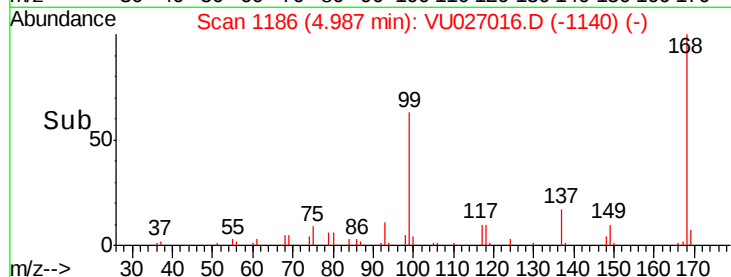
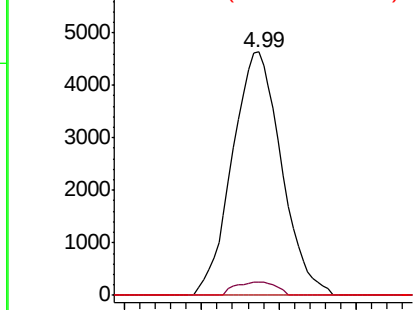
#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

Tgt Ion:117 Resp: 10221
Ion Ratio Lower Upper
117 100
119 5.5 74.4 111.6#
121 0.0 24.2 36.4#

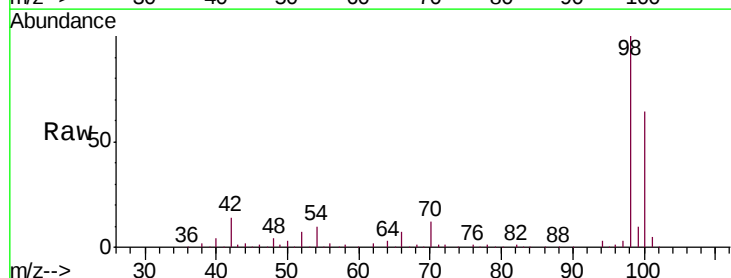


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

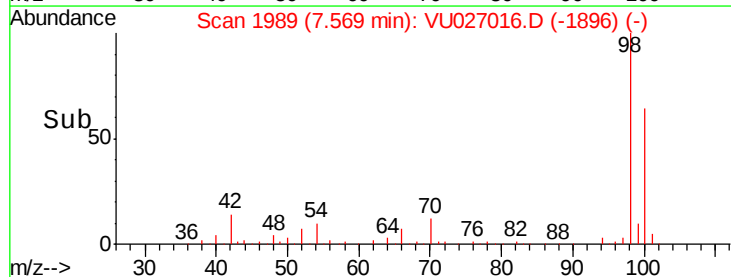
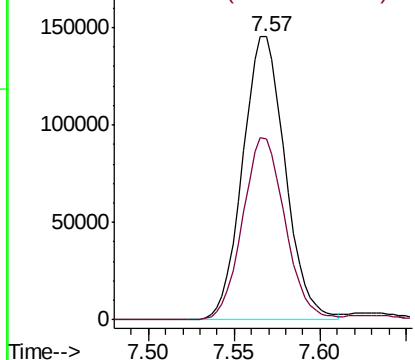


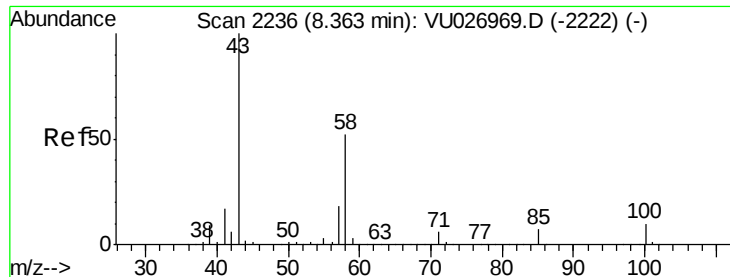
#50
Toluene-d8
Concen: 46.144 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion: 98 Resp: 249686
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



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

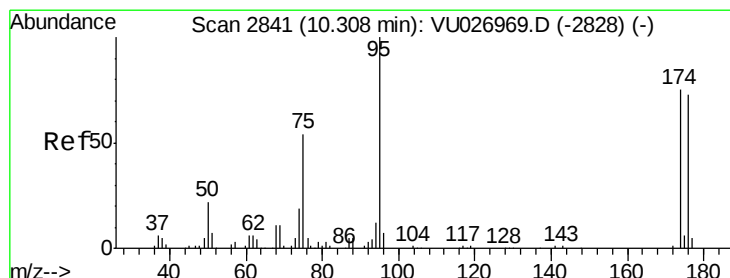
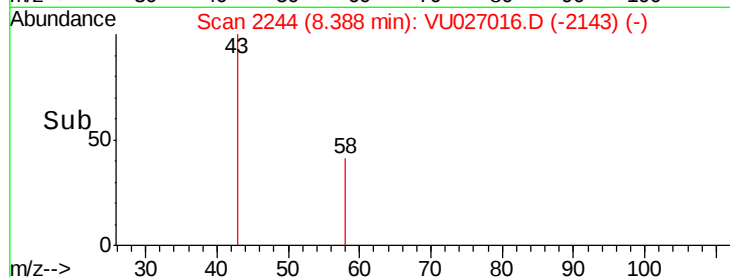
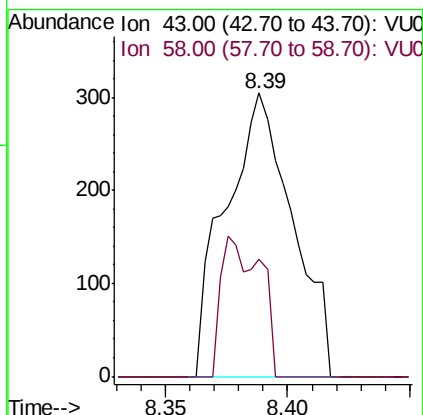
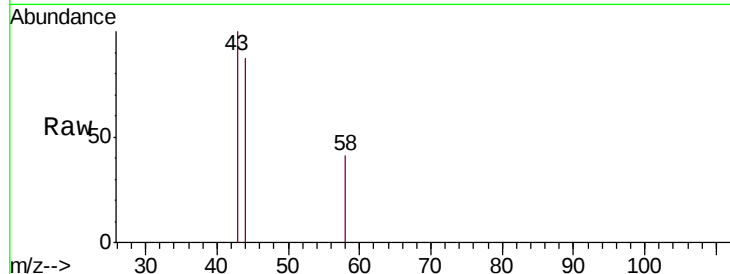




#59
2-Hexanone
Concen: 0.255 ug/l
RT: 8.39 min Scan# 2244
Delta R.T. 0.03 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

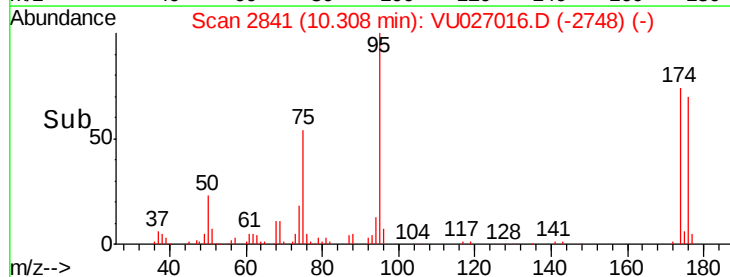
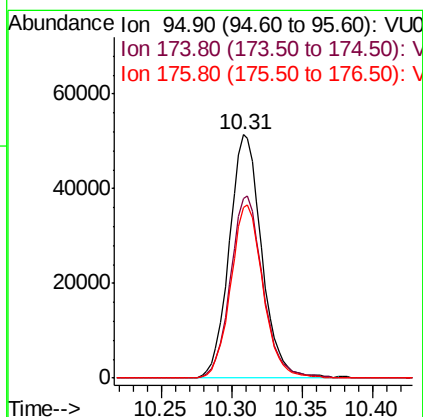
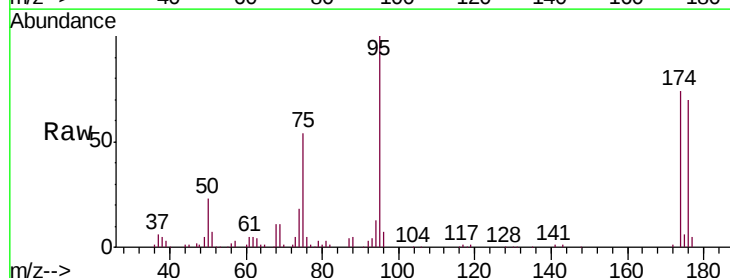
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

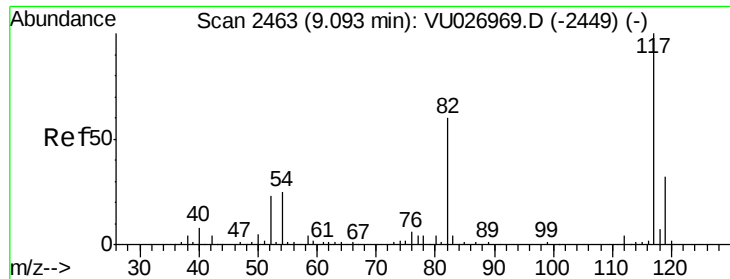
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 28.8 26.1 78.2



#62
4-Bromofluorobenzene
Concen: 44.557 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion: 95 Resp: 82729
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.2
176 71.0 0.0 145.2

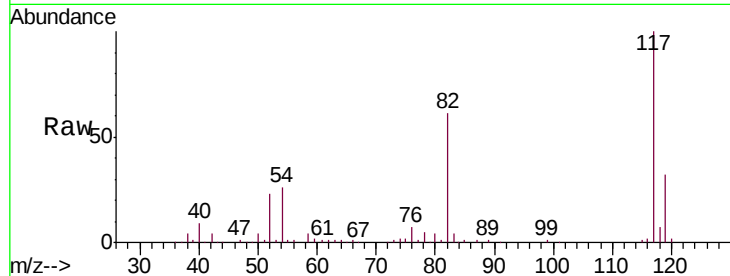




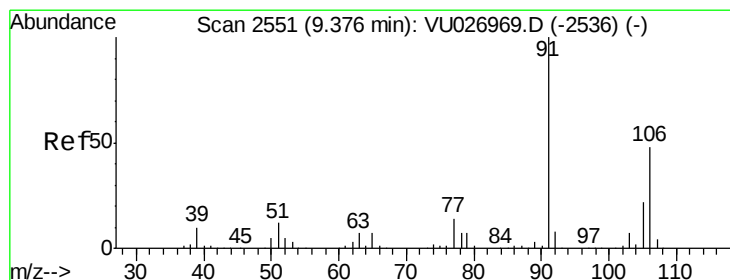
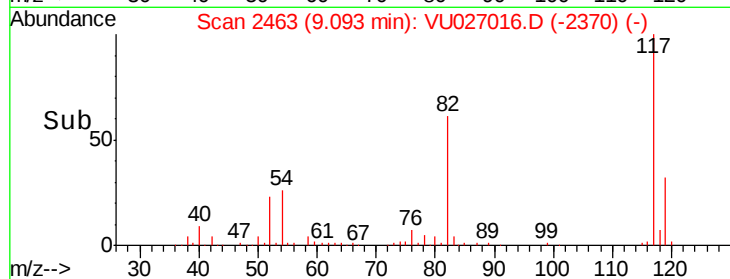
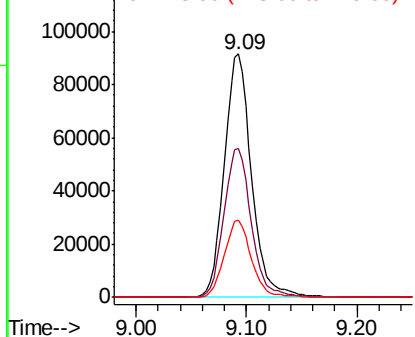
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

Tgt Ion:117 Resp: 156718
Ion Ratio Lower Upper
117 100
82 61.0 48.0 72.0
119 31.6 25.8 38.8

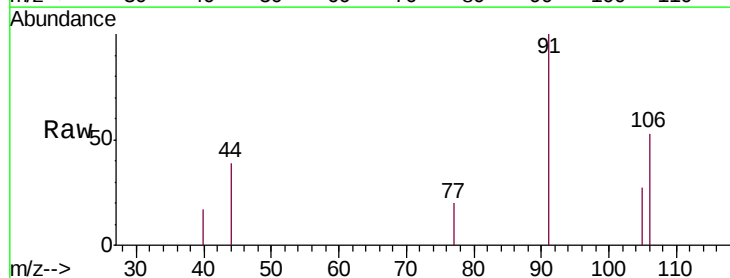


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

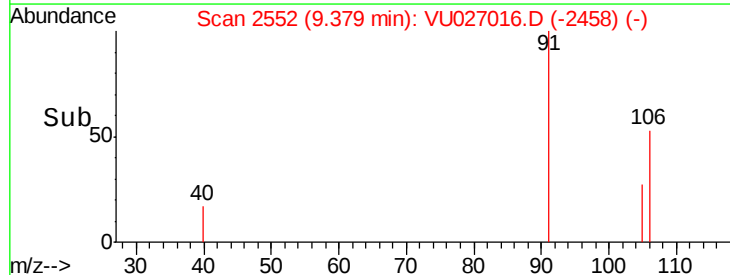
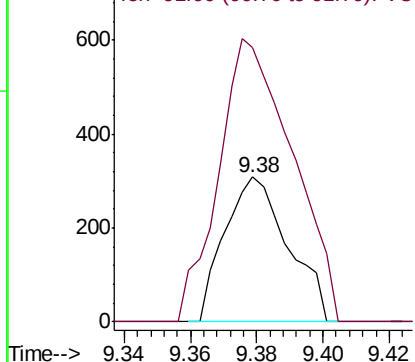


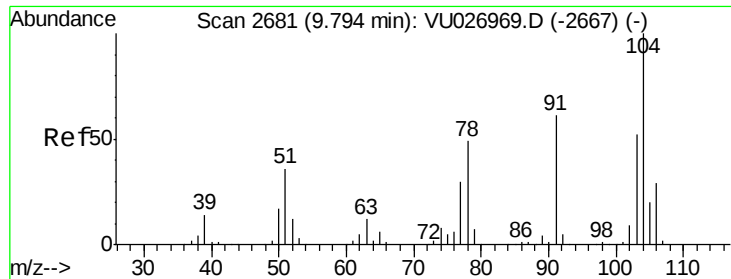
#68
m/p-Xylenes
Concen: 1.647 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion:106 Resp: 412
Ion Ratio Lower Upper
106 100
91 226.9 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

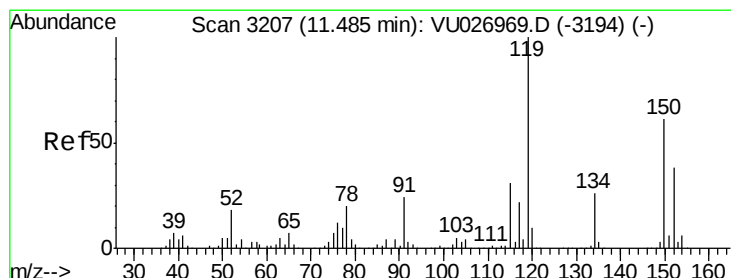
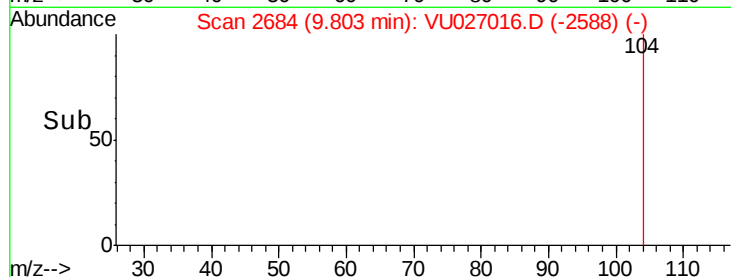
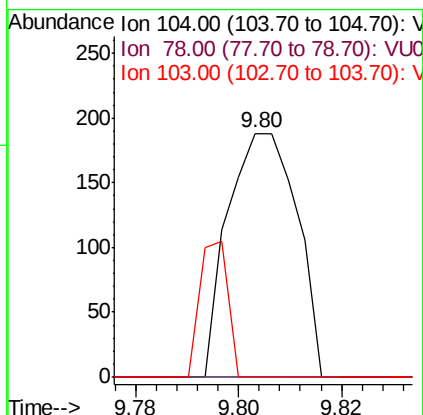
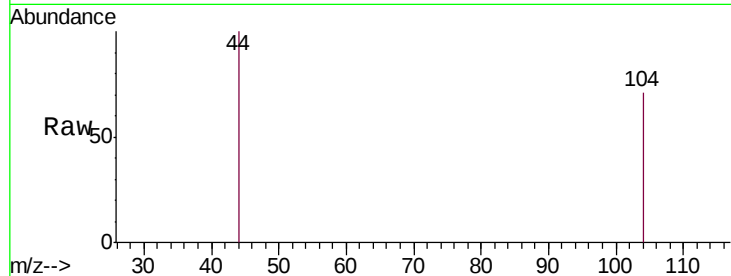




#70
Styrene
Concen: 1.847 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

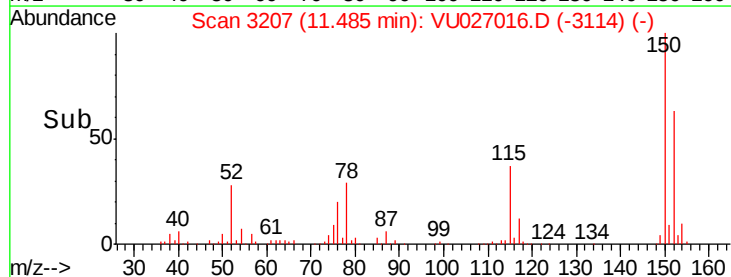
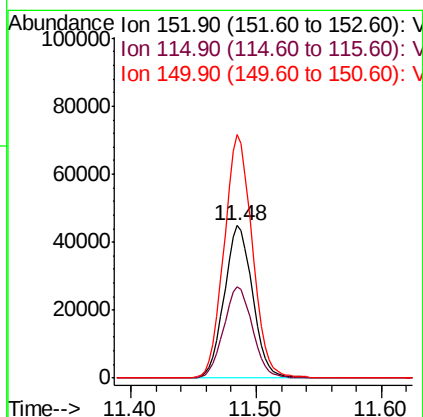
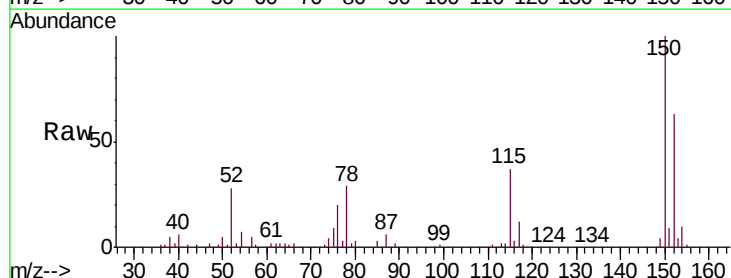
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

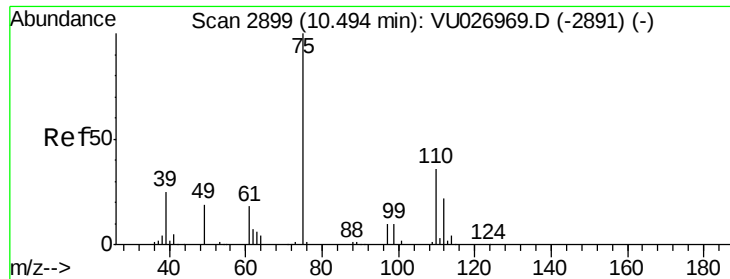
Tgt Ion:104 Resp: 174
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 23.0 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion:152 Resp: 70510
Ion Ratio Lower Upper
152 100
115 60.7 44.9 134.5
150 158.4 0.0 355.8

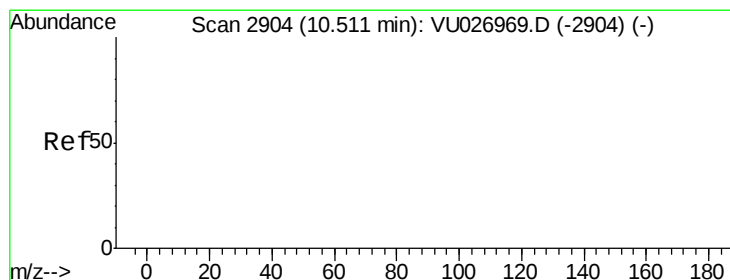
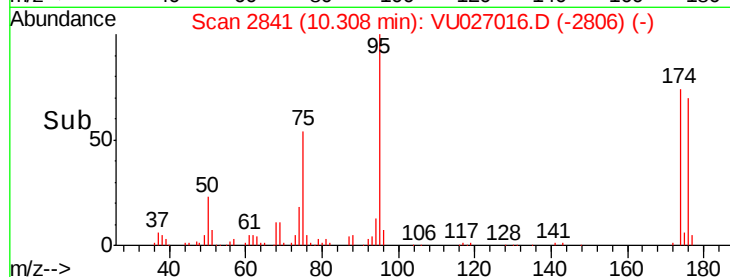
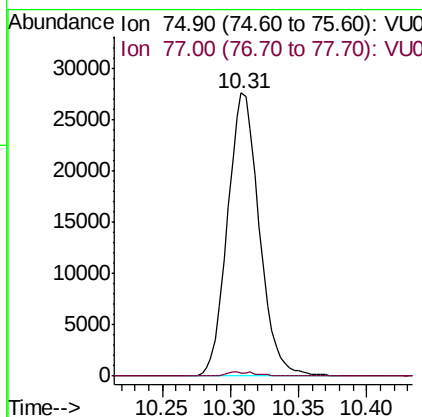
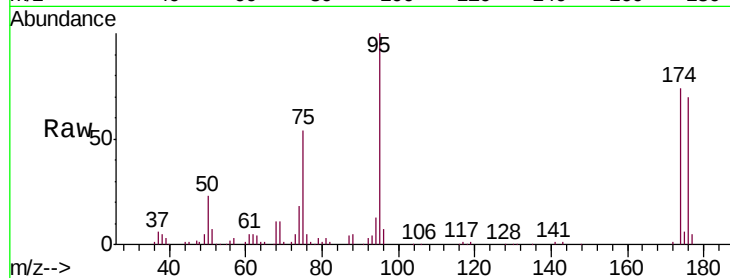




#76
 1,2,3-Trichloropropane
 Concen: 20.884 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

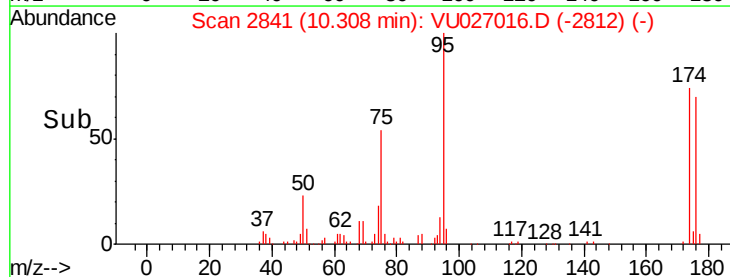
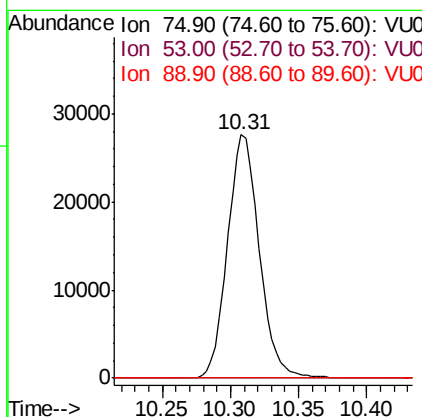
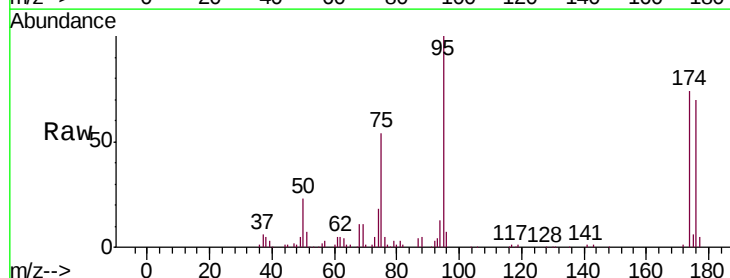
Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

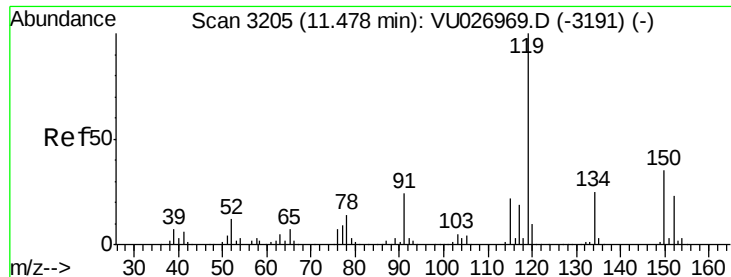
Tgt Ion: 75 Resp: 44736
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.834 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

Tgt Ion: 75 Resp: 44736
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0#
 89 0.0 0.0 0.0

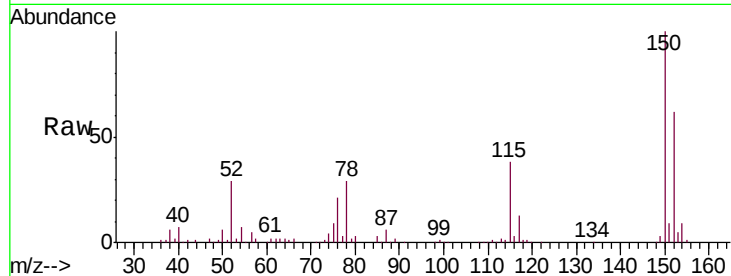




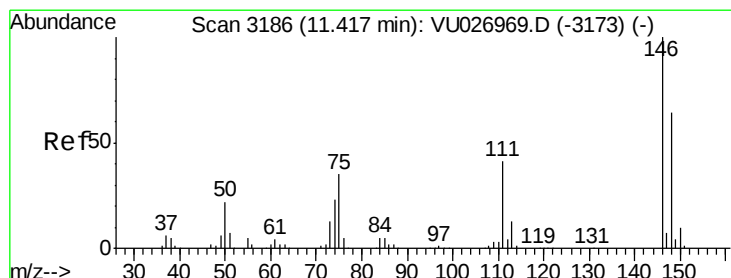
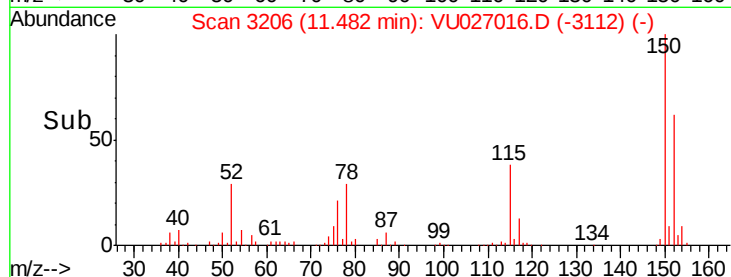
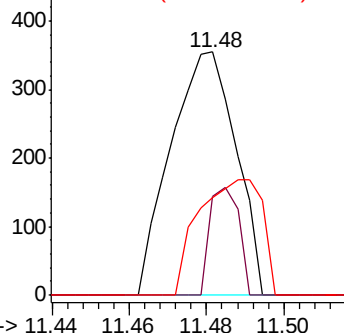
#86
p-Isopropyltoluene
Concen: 1.009 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

Tgt Ion:119 Resp: 416
Ion Ratio Lower Upper
119 100
134 20.0 12.8 38.3
91 46.4 12.3 36.8#

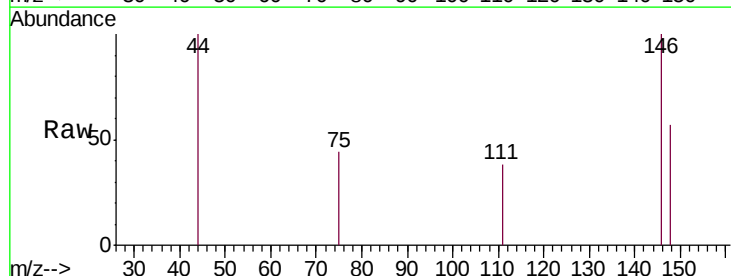


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

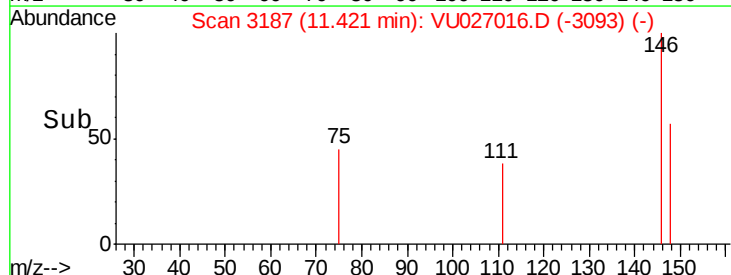
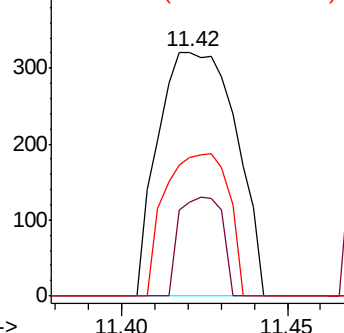


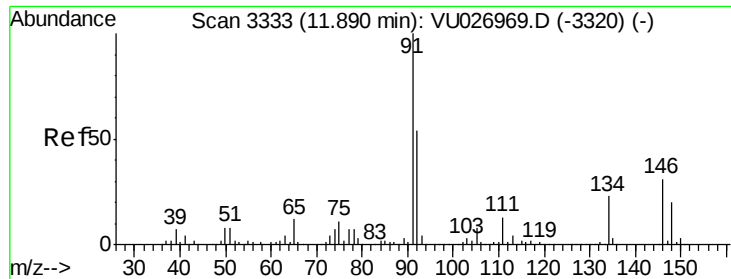
#87
1,3-Dichlorobenzene
Concen: 0.214 ug/l
RT: 11.42 min Scan# 3187
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion:146 Resp: 522
Ion Ratio Lower Upper
146 100
111 22.4 20.8 62.2
148 47.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

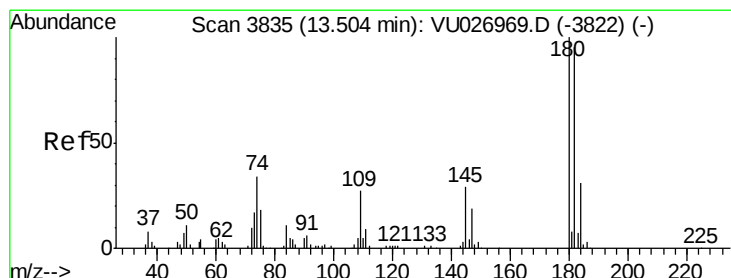
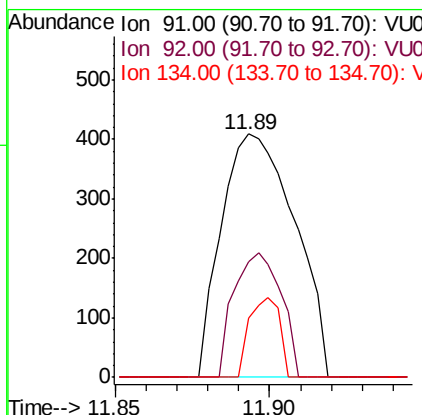
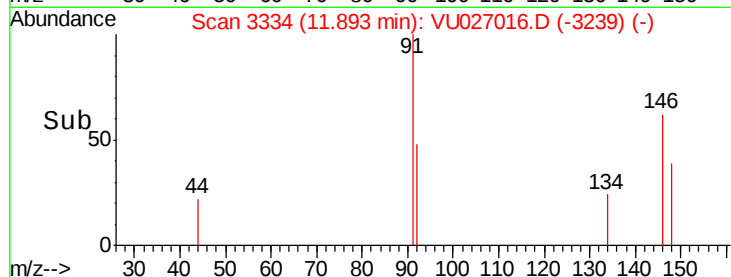
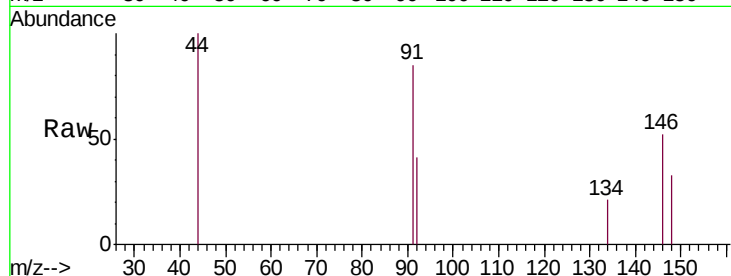




#89
n-Butylbenzene
Concen: 2.525 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

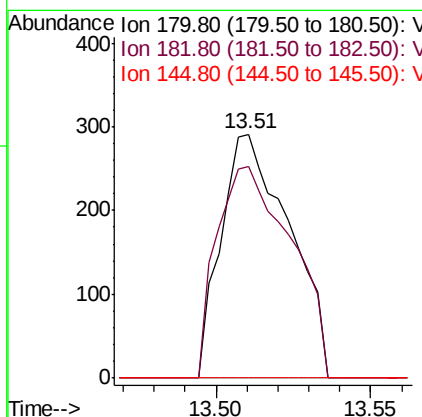
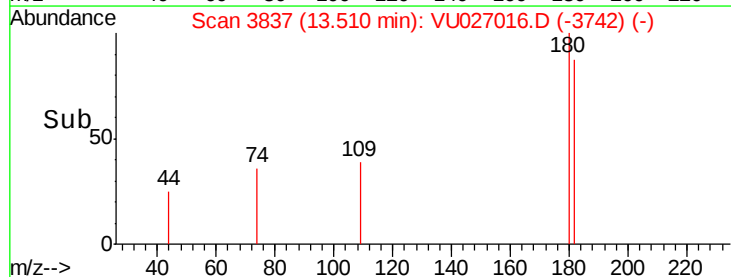
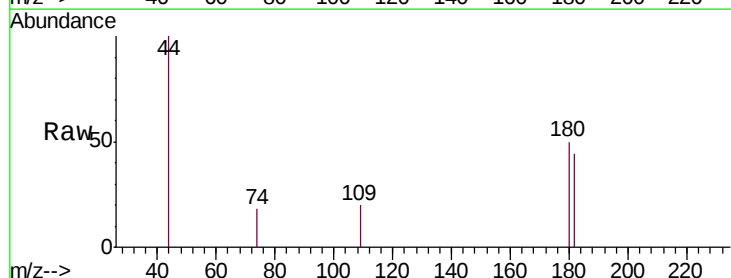
Instrument :
MSVOA_U
ClientSampleId :
BP-TT-EB02-20180914

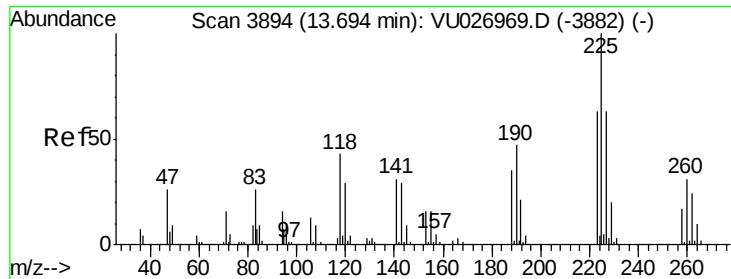
Tgt Ion: 91 Resp: 675
Ion Ratio Lower Upper
91 100
92 32.7 27.1 81.2
134 13.5 11.7 35.0



#93
1,2,4-Trichlorobenzene
Concen: 0.299 ug/l
RT: 13.51 min Scan# 3837
Delta R.T. 0.01 min
Lab File: VU027016.D
Acq: 22 Sep 2018 15:24

Tgt Ion: 180 Resp: 447
Ion Ratio Lower Upper
180 100
182 94.9 47.4 142.2
145 0.0 14.9 44.5#





#94

Hexachlorobutadiene

Concen: 0.203 ug/l

RT: 13.70 min Scan# 3895

Delta R.T. 0.00 min

Lab File: VU027016.D

Acq: 22 Sep 2018 15:24

Instrument :

MSVOA_U

ClientSampleId :

BP-TT-EB02-20180914

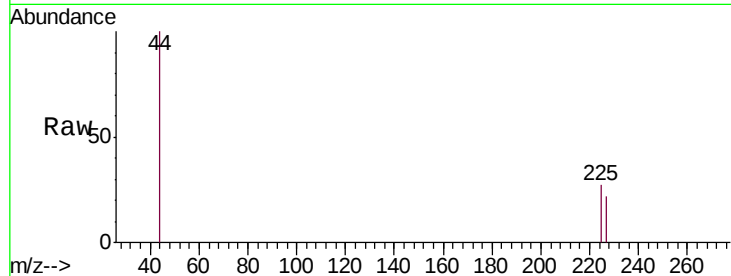
Tgt Ion:225 Resp: 160

Ion Ratio Lower Upper

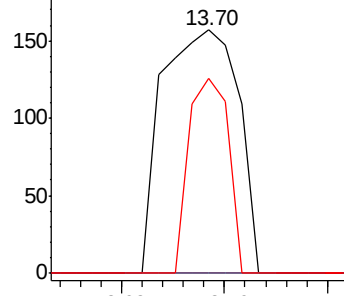
225 100

223 0.0 31.9 95.7#

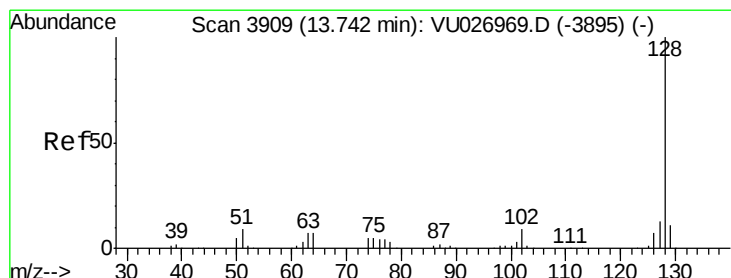
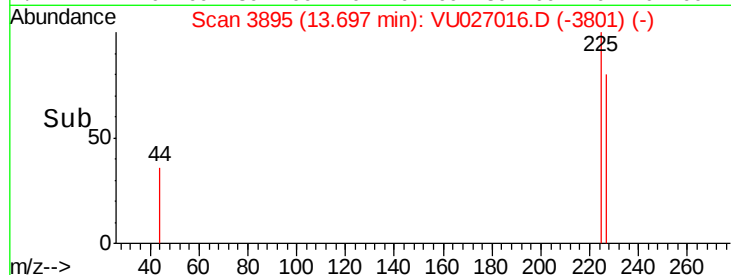
227 41.9 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 1.885 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU027016.D

Acq: 22 Sep 2018 15:24

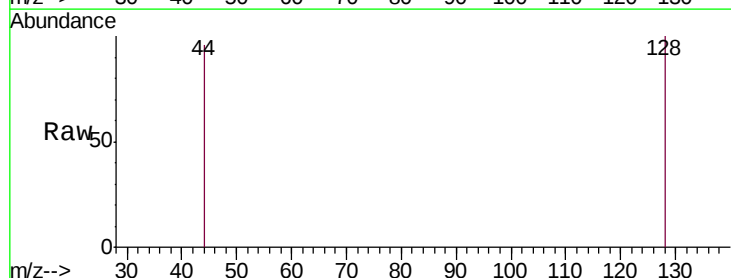
Tgt Ion:128 Resp: 1181

Ion Ratio Lower Upper

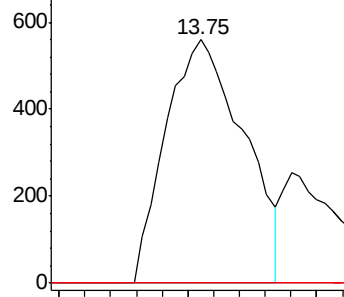
128 100

127 0.0 10.6 15.8#

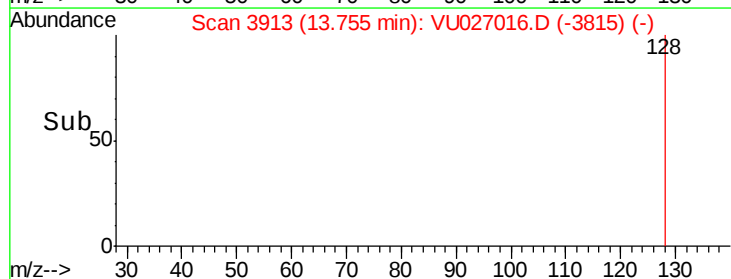
129 0.0 8.6 12.8#

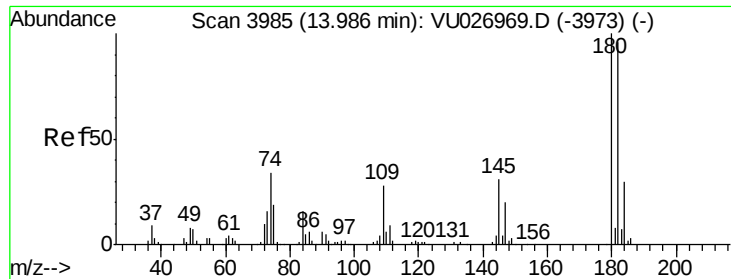


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.248 ug/l
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU027016.D
 Acq: 22 Sep 2018 15:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-TT-EB02-20180914

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.7	47.5	142.5
145	0.0	15.4	46.4

