

Data File : VU027069.D
Acq On : 23 Sep 2018 14:09
Operator : MD/SY
Sample : J4954-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 111 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ125-20180914

Quant Time: Sep 24 07:14:01 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	105852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	181427	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79779	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	110225	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	
35) Dibromofluoromethane	4.89	113	76504	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	7.57	98	290328	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
62) 4-Bromofluorobenzene	10.31	95	95348	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

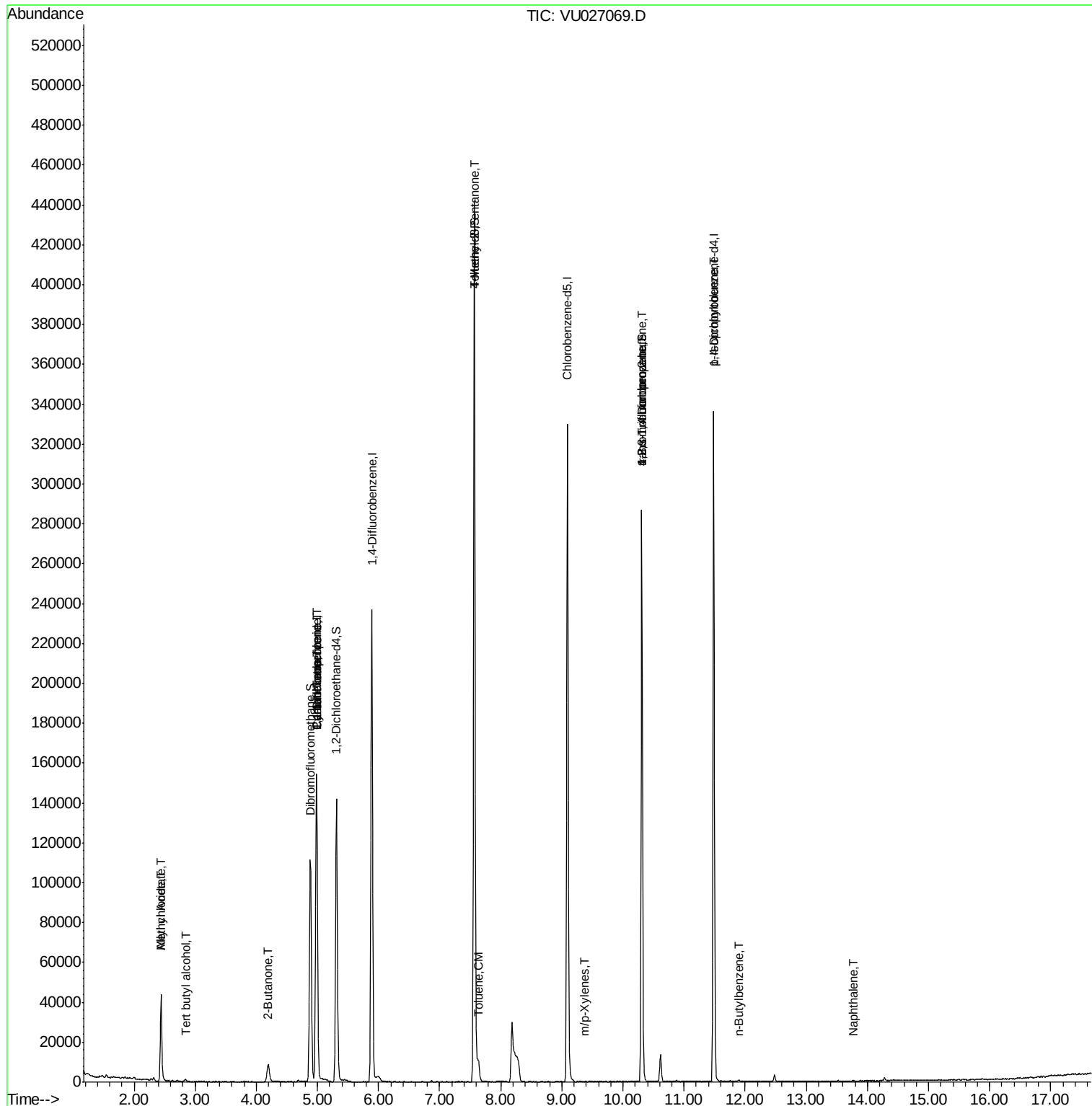
						Qvalue
11) Tert butyl alcohol	2.84	59	829	1.698	ug/l #	72
14) Allyl chloride	2.44	41	4131	1.393	ug/l #	72
16) Acetone	2.32	43	1685	Below Cal	#	85
18) Methyl Acetate	2.44	43	10801	3.562	ug/l #	55
25) 2-Butanone	4.20	43	368	0.206	ug/l #	53
31) Cyclohexane	4.98	56	2794	0.308	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10457	4.319	ug/l #	50
38) Carbon Tetrachloride	4.98	117	11053	4.797	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1592	0.495	ug/l #	1
52) Toluene	7.64	92	1554	0.368	ug/l	95
68) m/p-Xylenes	9.38	106	67	1.522	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	51779	21.364	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	51779	68.368	ug/l #	100
86) p-Isopropyltoluene	11.48	119	231	0.967	ug/l #	1
89) n-Butylbenzene	11.90	91	410	2.463	ug/l #	85
95) Naphthalene	13.76	128	348	1.740	ug/l #	69

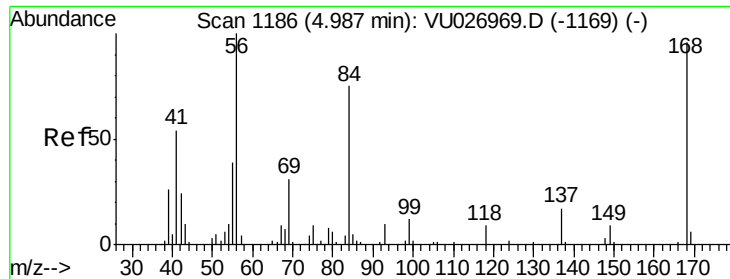
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027069.D

Acq: 23 Sep 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

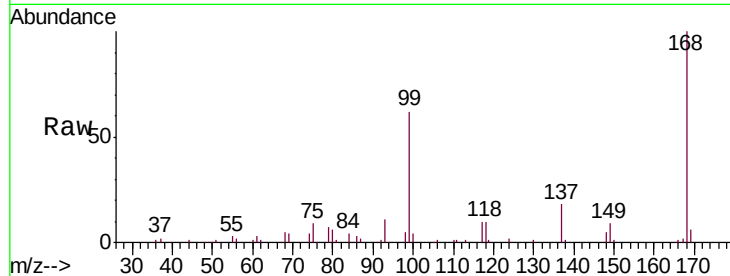
SA-PZ125-20180914

Tgt Ion:168 Resp: 105852

Ion Ratio Lower Upper

168 100

99 62.4 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

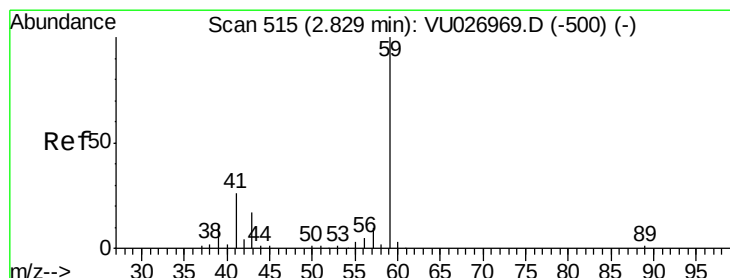
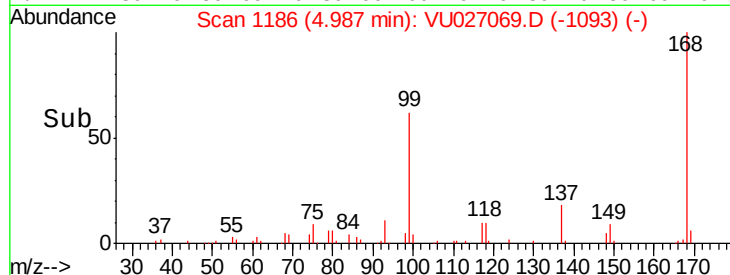
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 1.698 ug/l

RT: 2.84 min Scan# 515

Delta R.T. 0.01 min

Lab File: VU027069.D

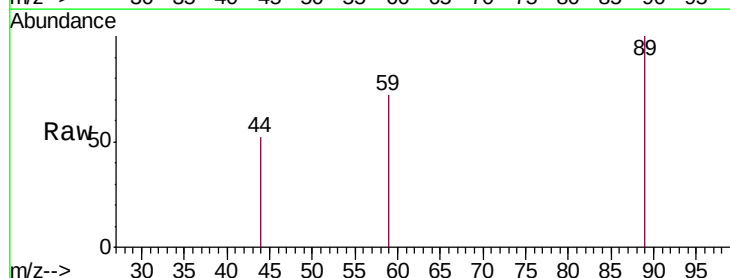
Acq: 23 Sep 2018 14:09

Tgt Ion: 59 Resp: 829

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) (-)

2.84

400

300

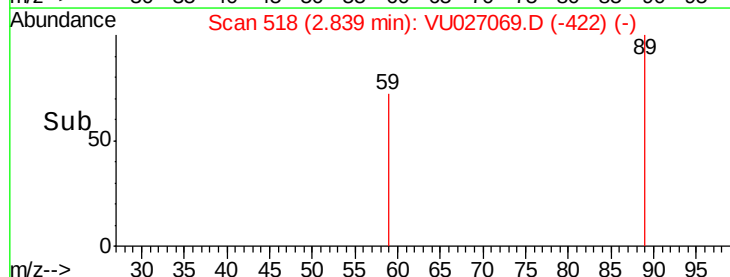
200

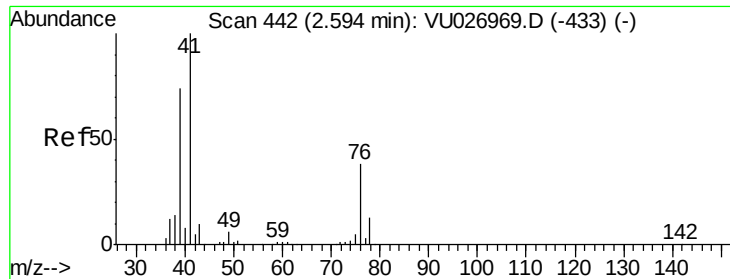
100

0

2.80 2.85

Time-->

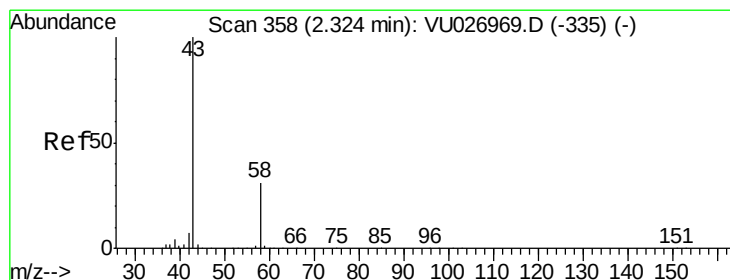
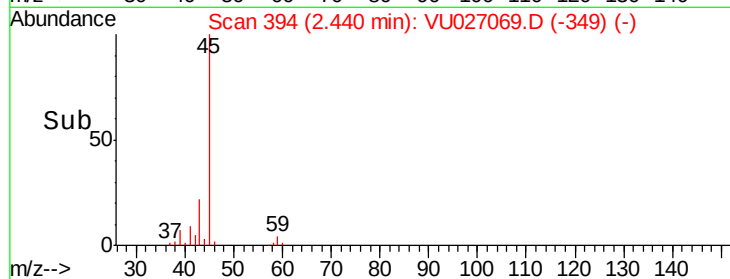
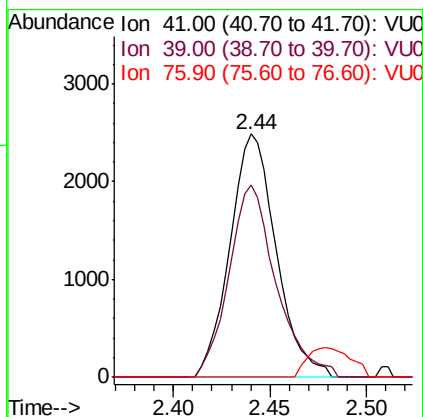
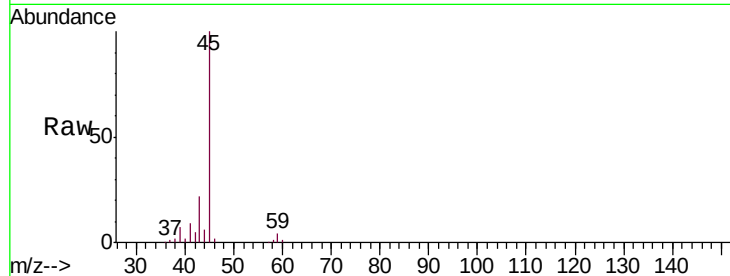




#14
 Allyl chloride
 Concen: 1.393 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

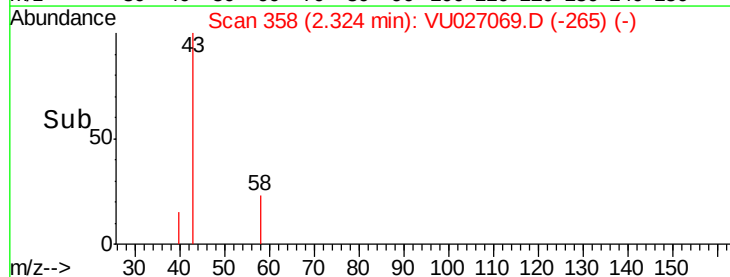
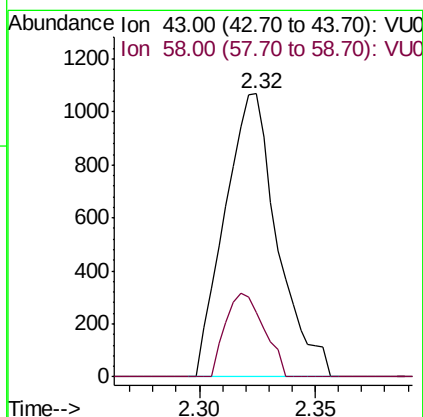
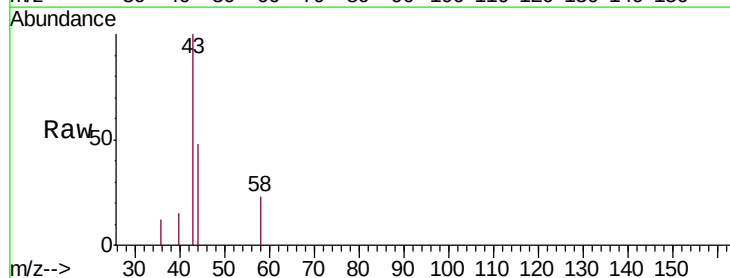
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ125-20180914

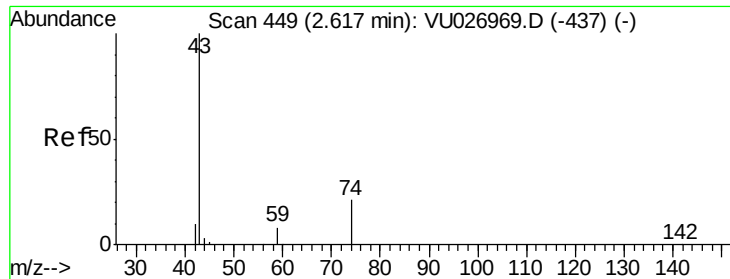
Tgt Ion: 41 Resp: 4131
 Ion Ratio Lower Upper
 41 100
 39 80.7 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 358
 Delta R.T. 0.00 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

Tgt Ion: 43 Resp: 1685
 Ion Ratio Lower Upper
 43 100
 58 22.7 24.6 36.8#

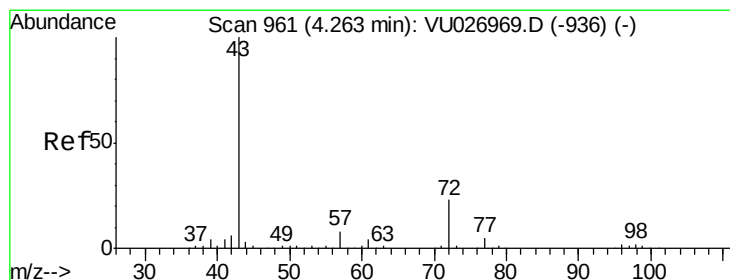
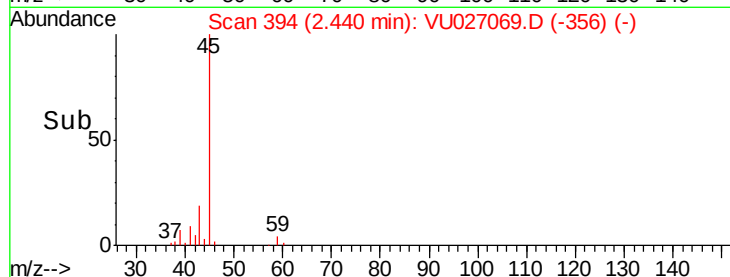
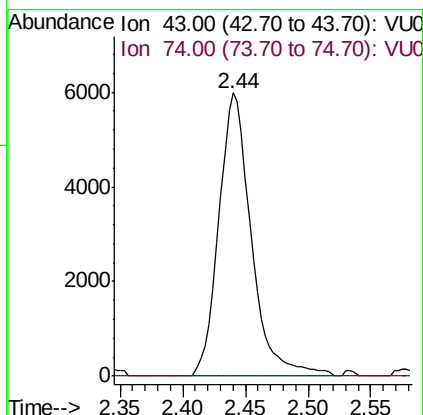
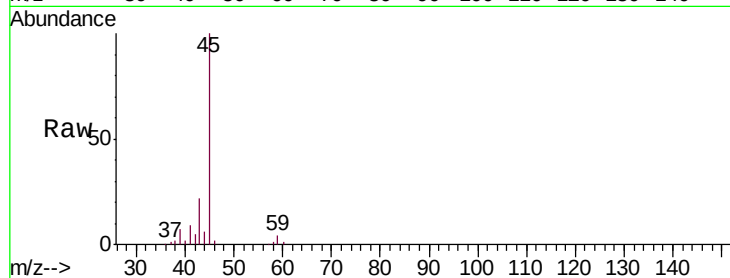




#18
Methyl Acetate
Concen: 3.562 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.18 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

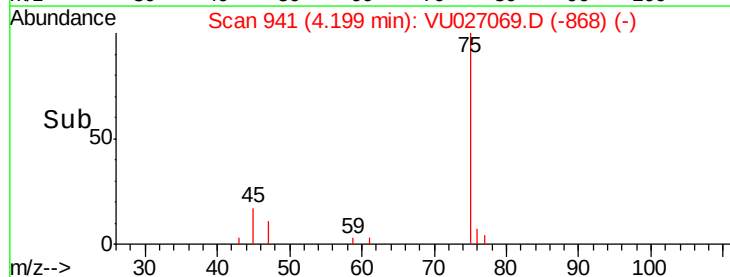
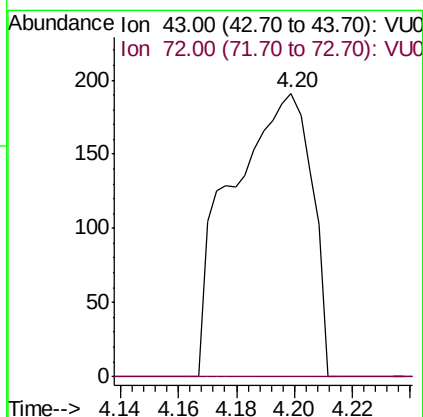
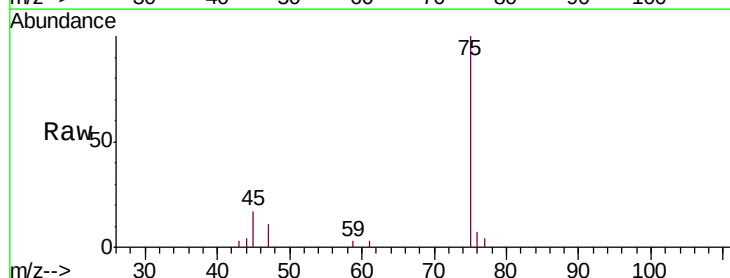
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ125-20180914

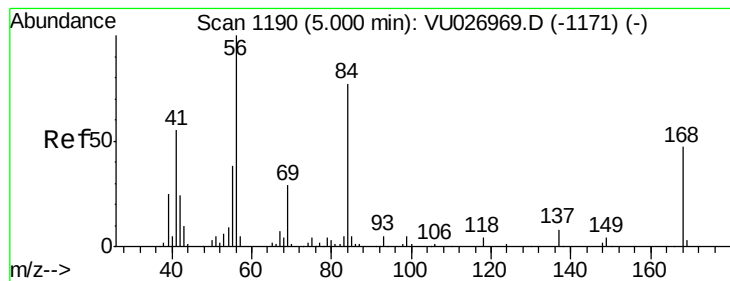
Tgt Ion: 43 Resp: 10801
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#25
2-Butanone
Concen: 0.206 ug/l
RT: 4.20 min Scan# 941
Delta R.T. -0.06 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
72 0.0 18.4 27.6#





#31

Cyclohexane

Concen: 0.308 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027069.D

Acq: 23 Sep 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ125-20180914

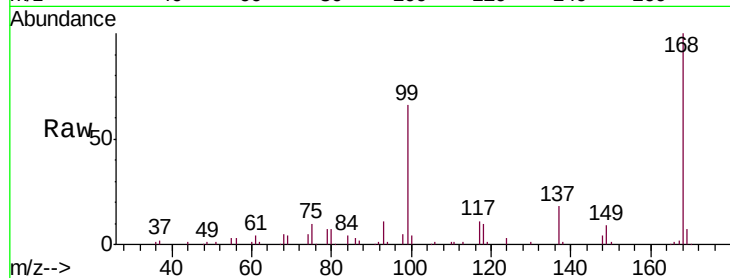
Tgt Ion: 56 Resp: 2794

Ion Ratio Lower Upper

56 100

69 156.7 23.0 34.4#

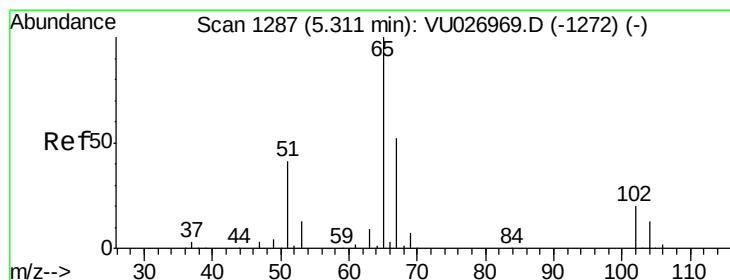
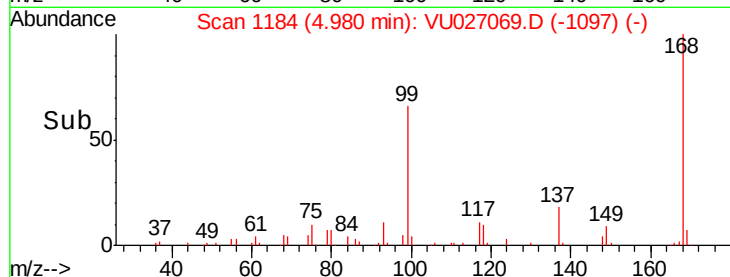
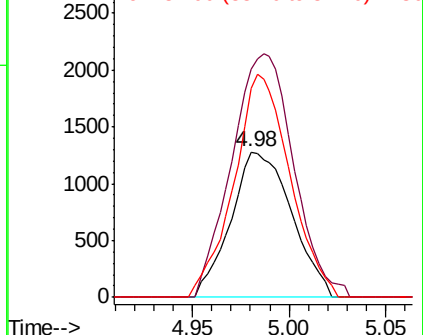
84 143.5 61.4 92.2#



Abundance Ion 56.00 (55.70 to 56.70): VU026969.D (-1171) (-)

Ion 69.00 (68.70 to 69.70): VU026969.D (-1171) (-)

Ion 84.00 (83.70 to 84.70): VU026969.D (-1171) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.738 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027069.D

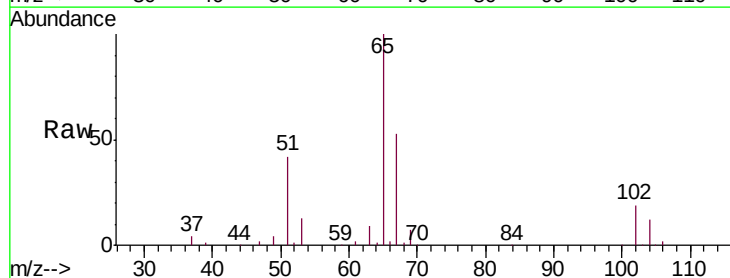
Acq: 23 Sep 2018 14:09

Tgt Ion: 65 Resp: 110225

Ion Ratio Lower Upper

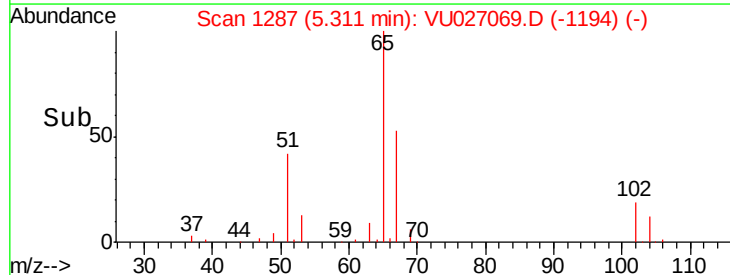
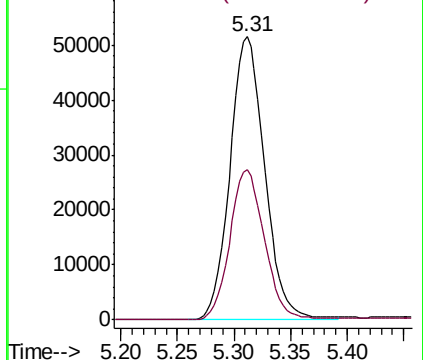
65 100

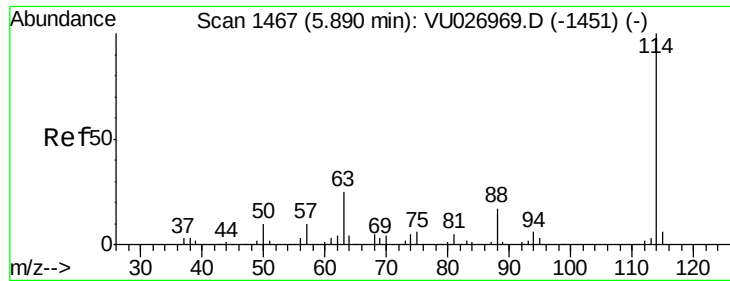
67 52.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU026969.D (-1272) (-)

Ion 66.90 (66.60 to 67.60): VU026969.D (-1272) (-)

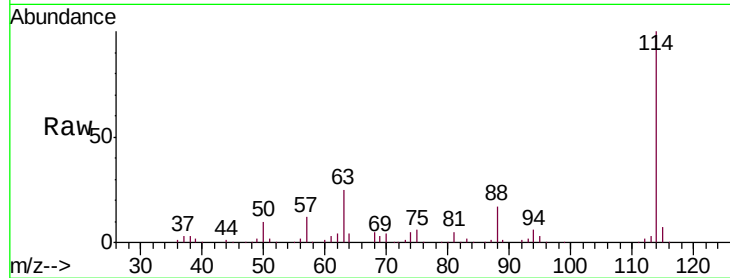




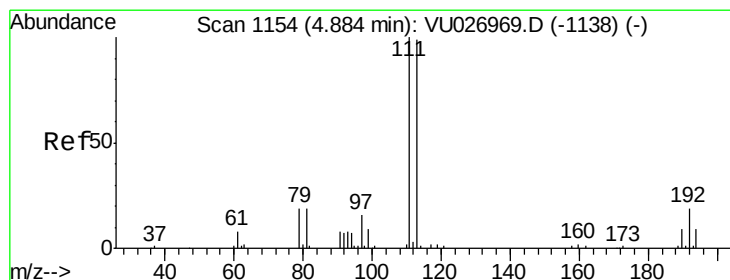
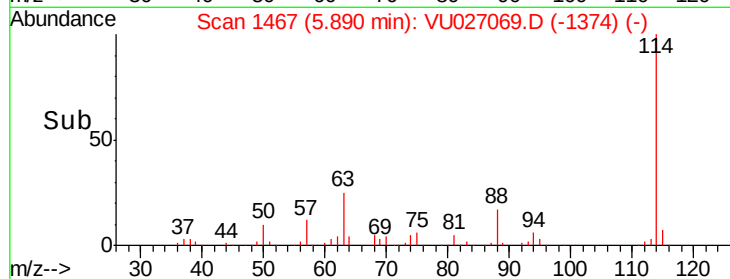
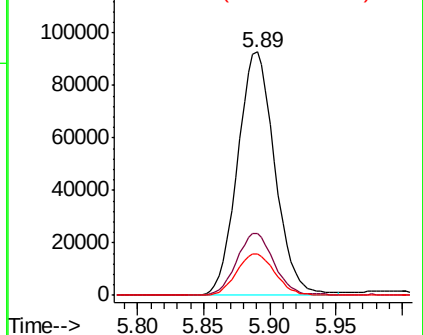
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ125-20180914

Tgt Ion:114 Resp: 181427
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 17.2 0.0 33.8

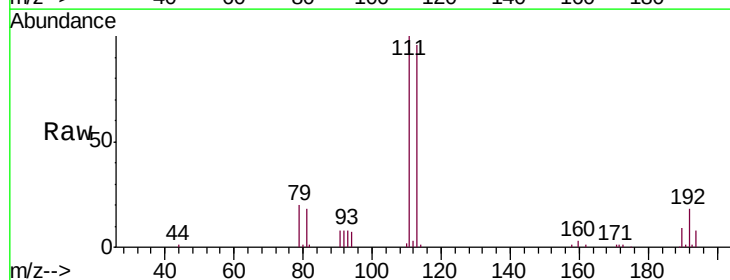


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

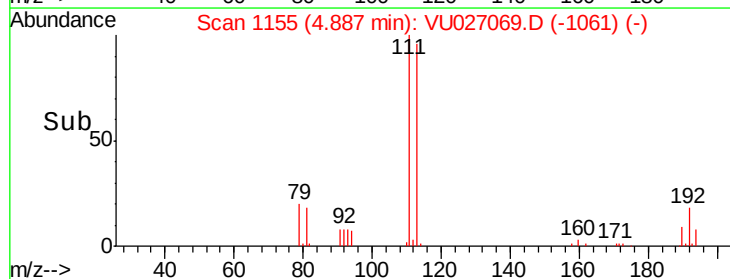
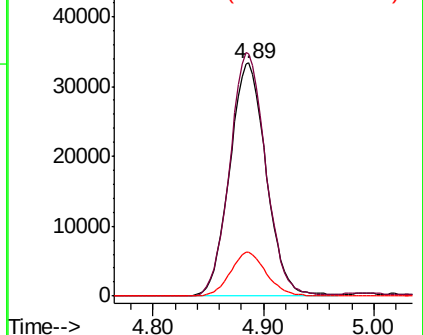


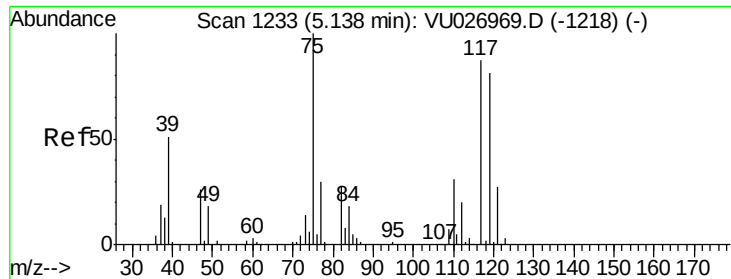
#35
 Dibromofluoromethane
 Concen: 48.648 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

Tgt Ion:113 Resp: 76504
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 18.4 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

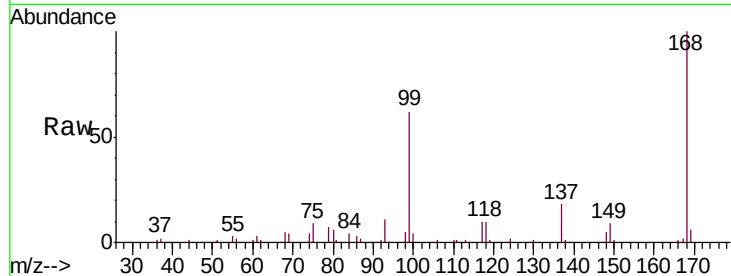




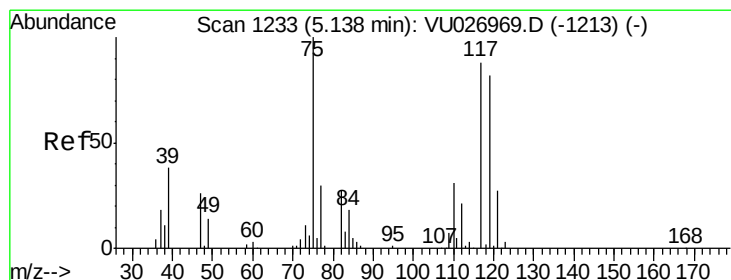
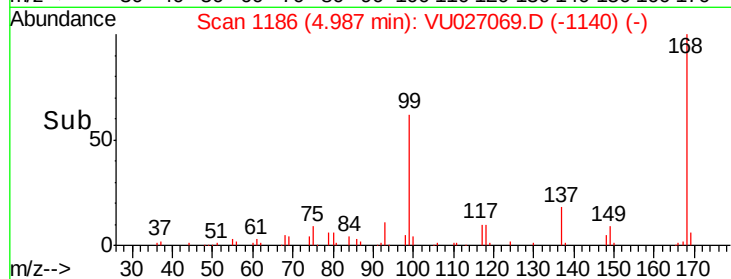
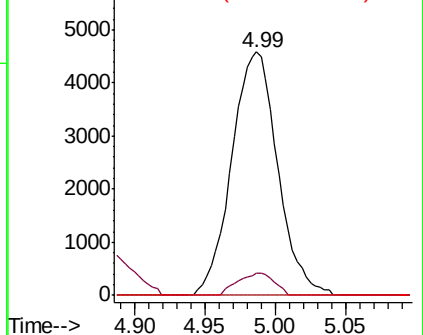
#36
 1,1-Dichloropropene
 Concen: 4.319 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ125-20180914

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	16.1	48.2#
77	0.0	24.6	36.8#

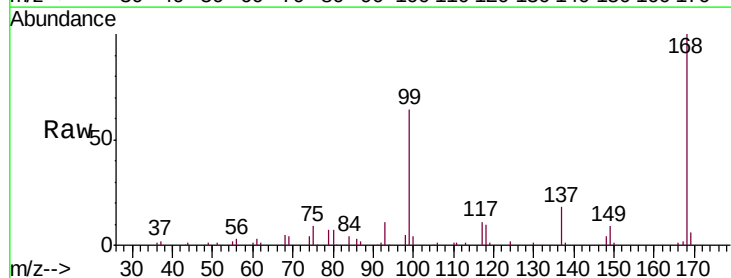


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

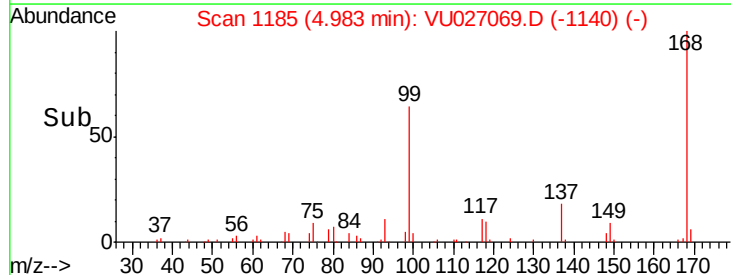
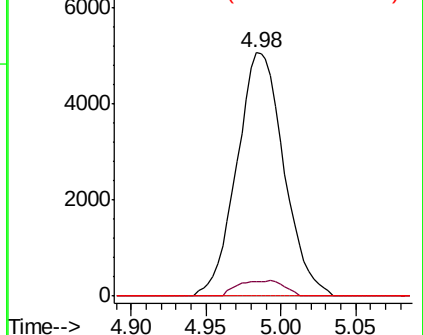


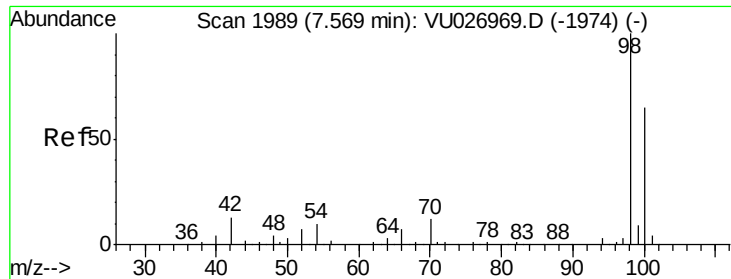
#38
 Carbon Tetrachloride
 Concen: 4.797 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	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

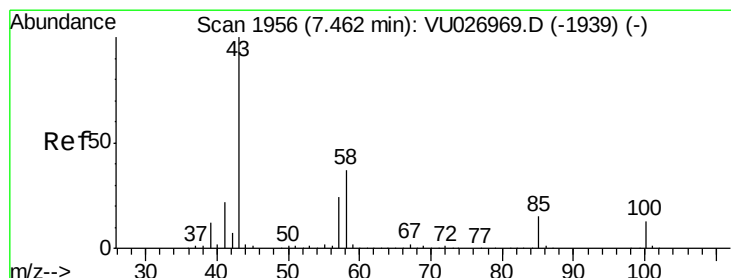
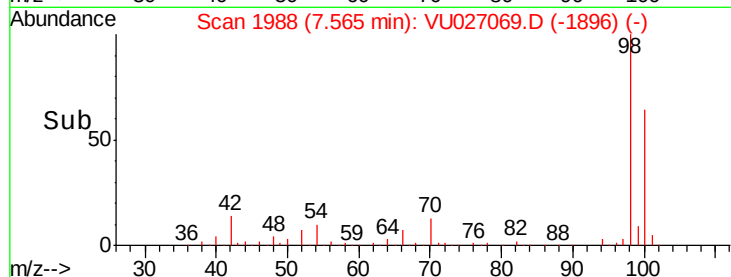
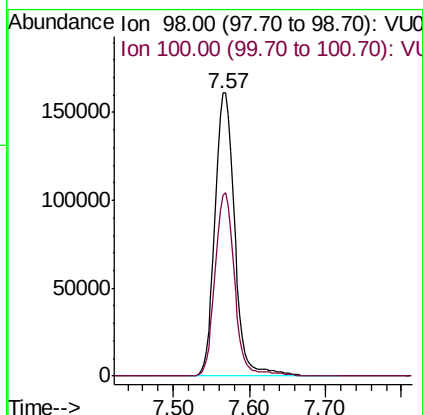
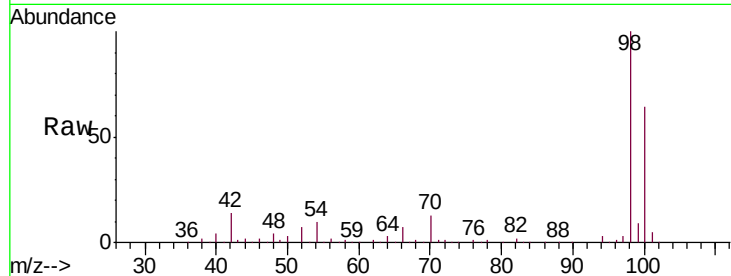




#50
Toluene-d8
Concen: 48.442 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

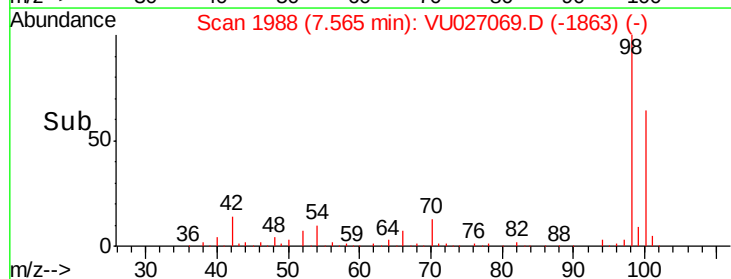
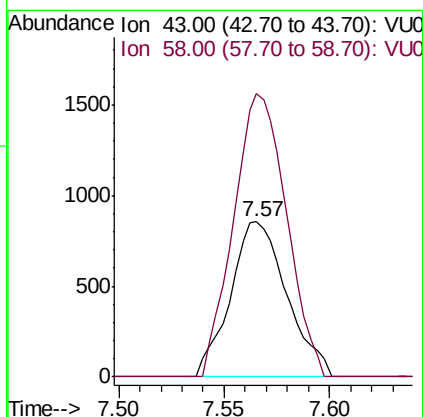
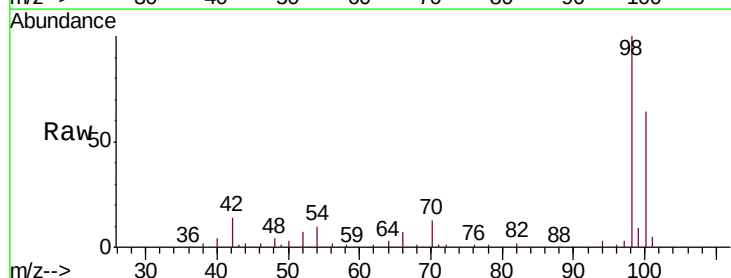
Instrument :
MSVOA_U
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SA-PZ125-20180914

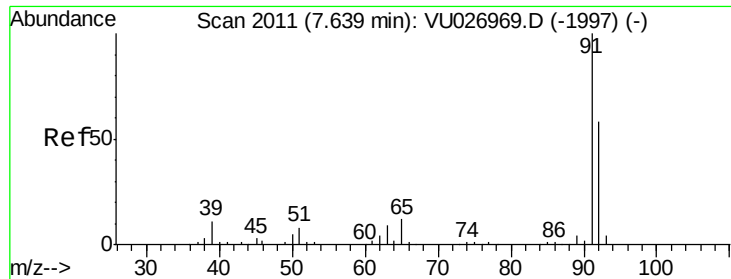
Tgt Ion: 98 Resp: 290328
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.495 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

Tgt Ion: 43 Resp: 1592
Ion Ratio Lower Upper
43 100
58 170.6 29.8 44.6#





#52

Toluene

Concen: 0.368 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027069.D

Acq: 23 Sep 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

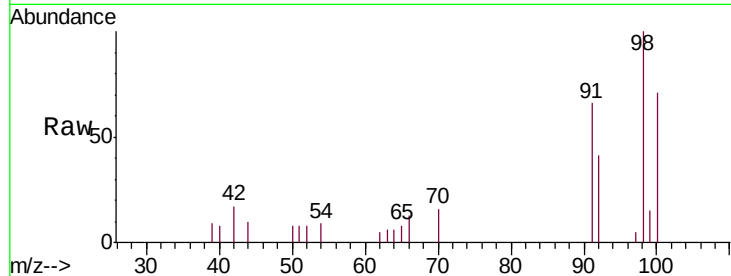
SA-PZ125-20180914

Tgt Ion: 92 Resp: 1554

Ion Ratio Lower Upper

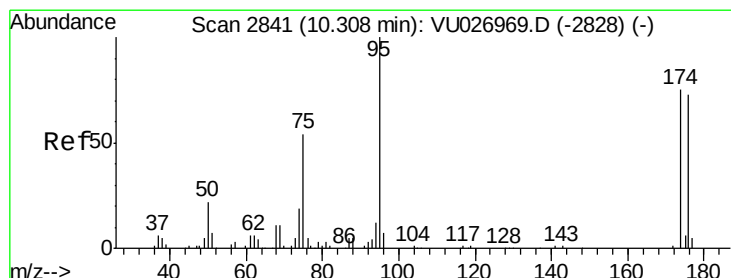
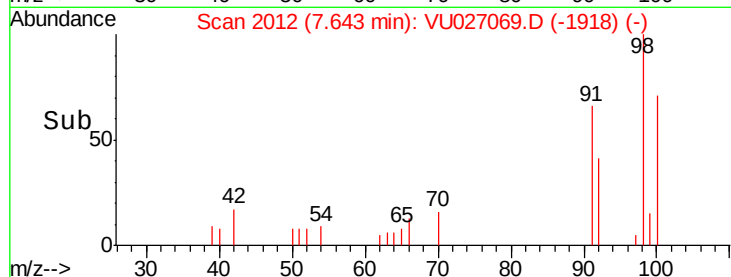
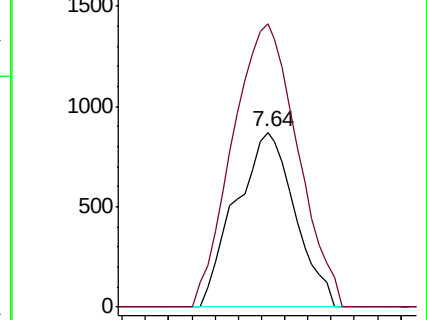
92 100

91 177.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 46.365 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027069.D

Acq: 23 Sep 2018 14:09

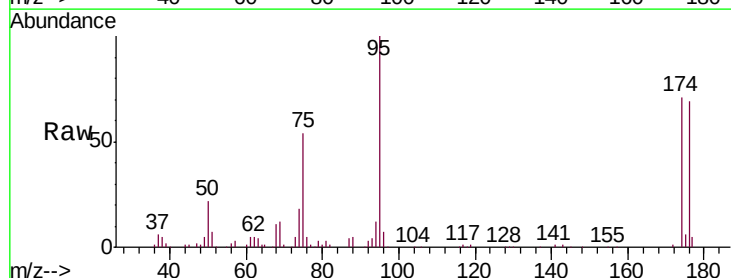
Tgt Ion: 95 Resp: 95348

Ion Ratio Lower Upper

95 100

174 72.8 0.0 150.2

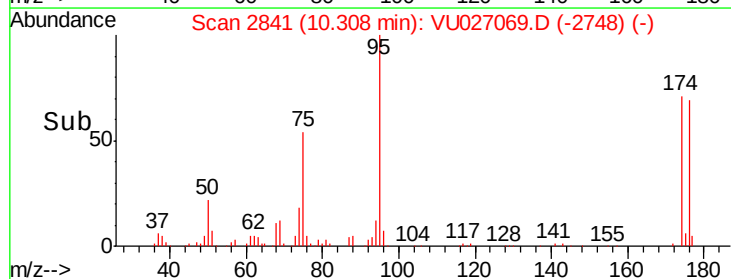
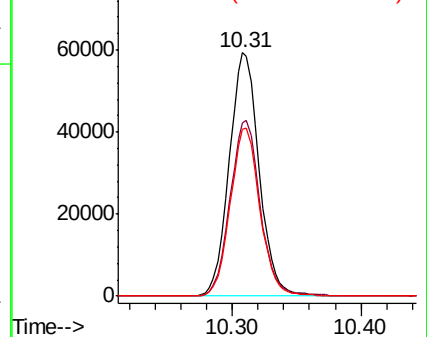
176 68.6 0.0 145.2

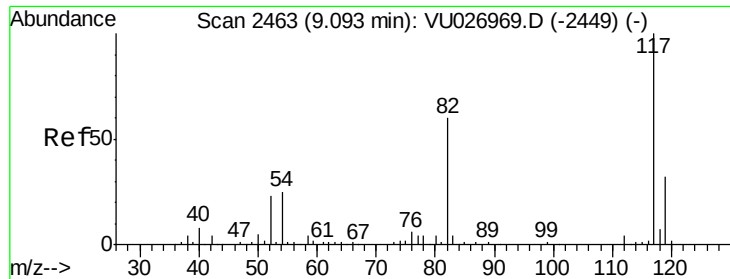


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

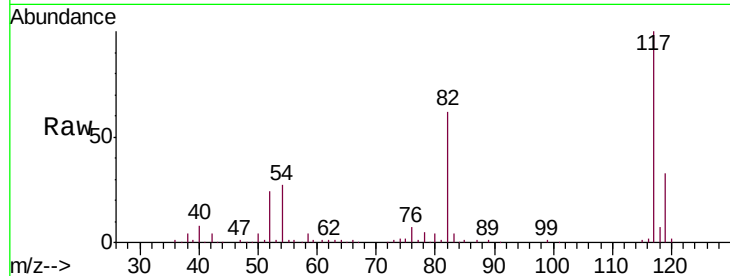




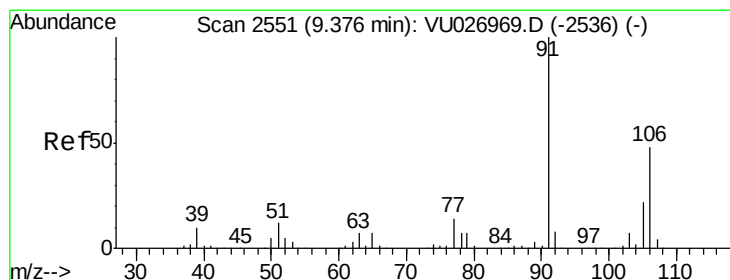
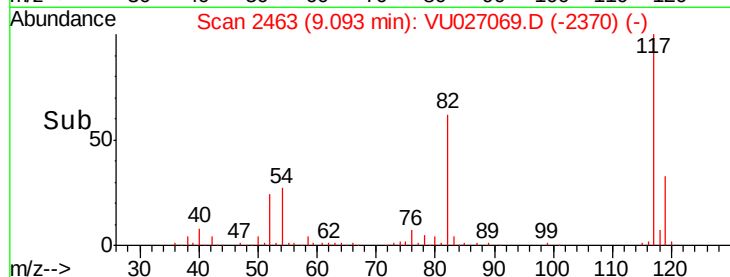
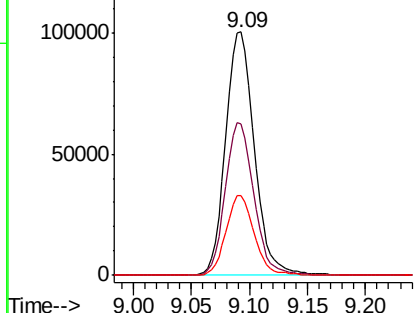
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ125-20180914

Tgt Ion:117 Resp: 171982
Ion Ratio Lower Upper
117 100
82 62.2 48.0 72.0
119 32.8 25.8 38.8

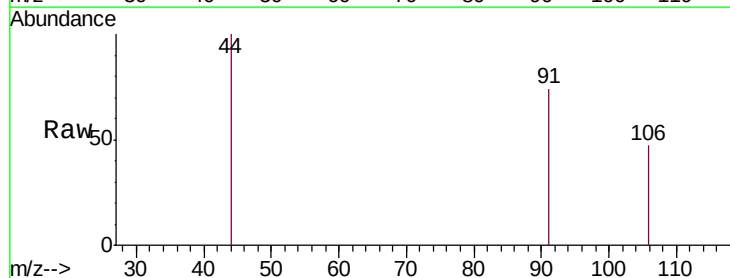


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

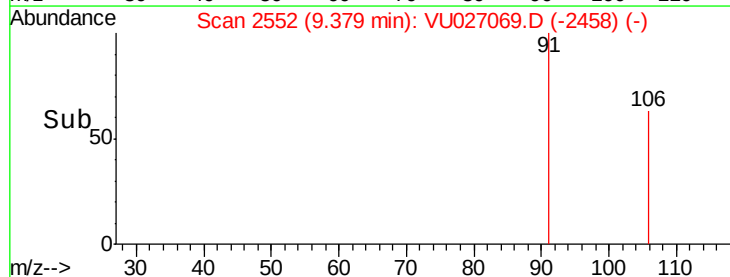
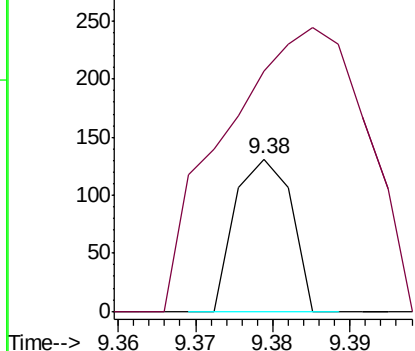


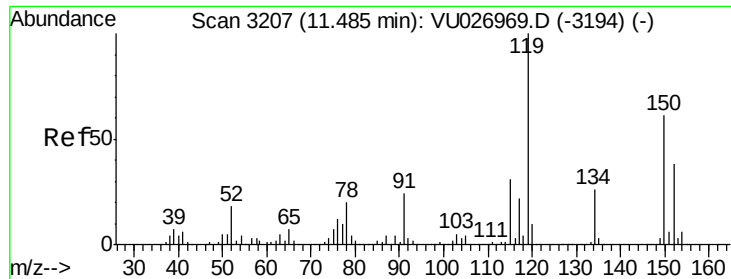
#68
m/p-Xylenes
Concen: 1.522 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

Tgt Ion:106 Resp: 67
Ion Ratio Lower Upper
106 100
91 462.7 166.5 249.7#



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

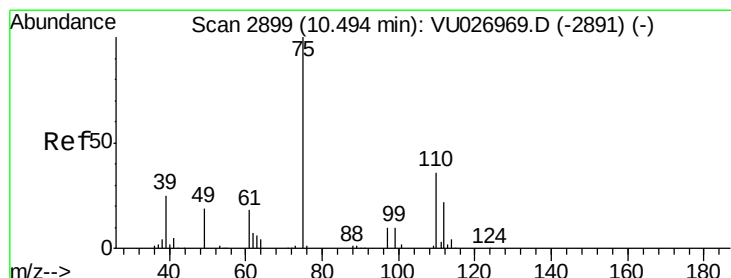
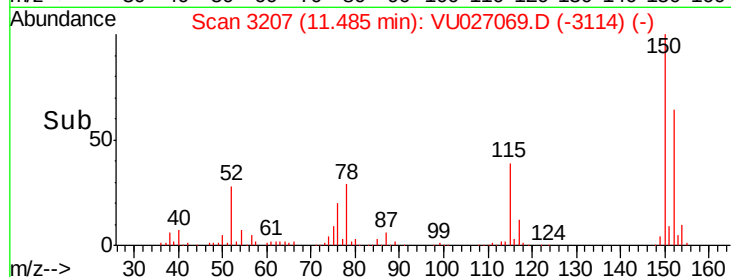
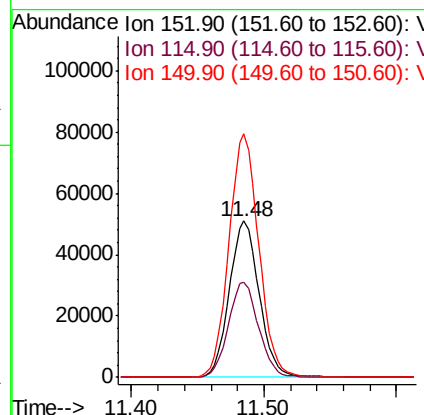
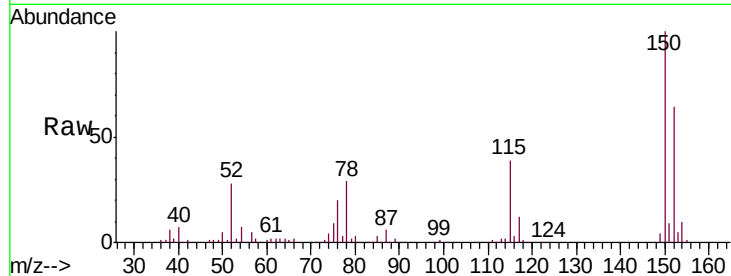




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

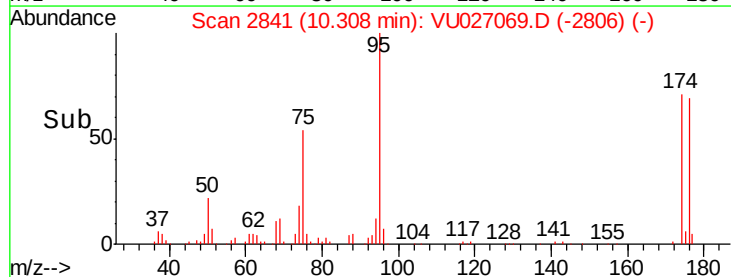
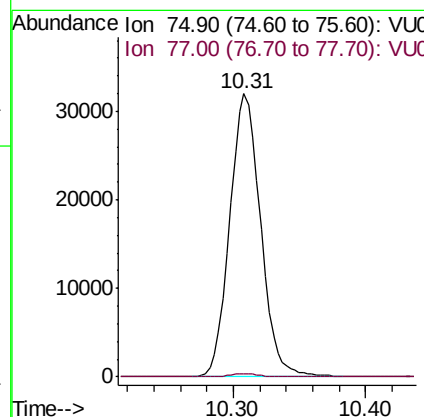
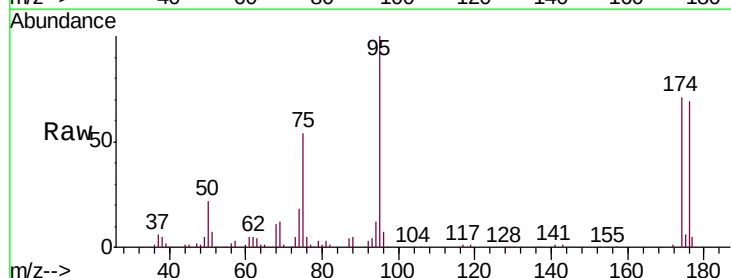
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ125-20180914

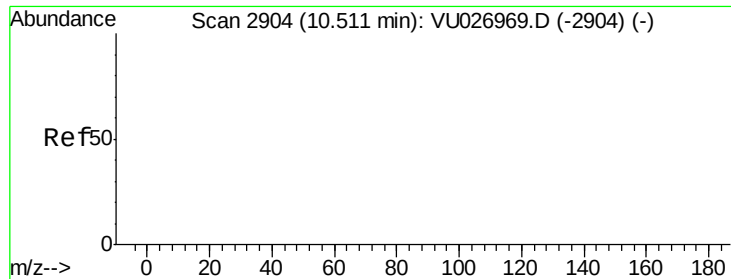
Tgt Ion:152 Resp: 79779
 Ion Ratio Lower Upper
 152 100
 115 61.8 44.9 134.5
 150 156.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 21.364 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027069.D
 Acq: 23 Sep 2018 14:09

Tgt Ion: 75 Resp: 51779
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.8#

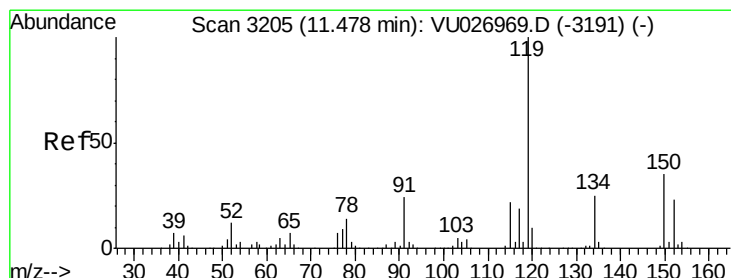
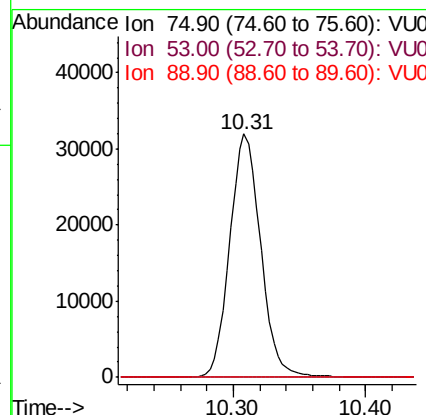
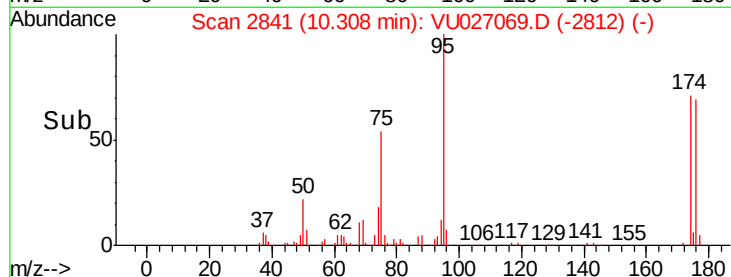
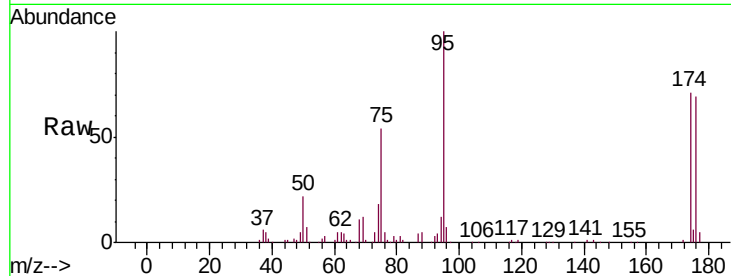




#81
trans-1,4-Dichloro-2-butene
Concen: 68.368 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

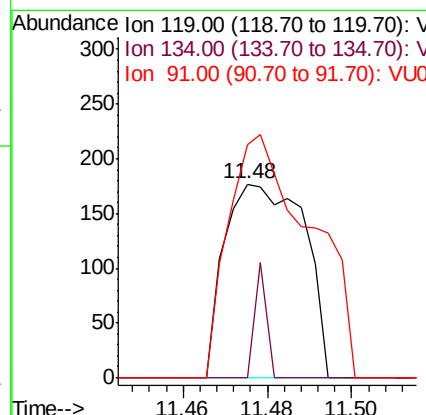
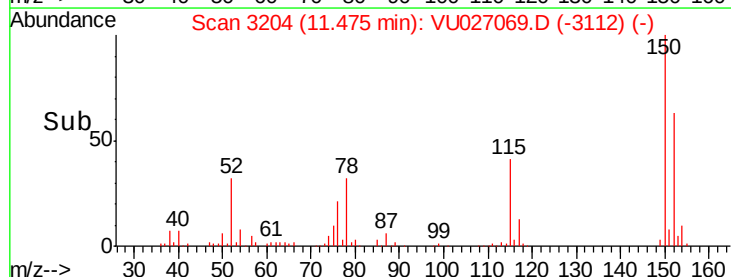
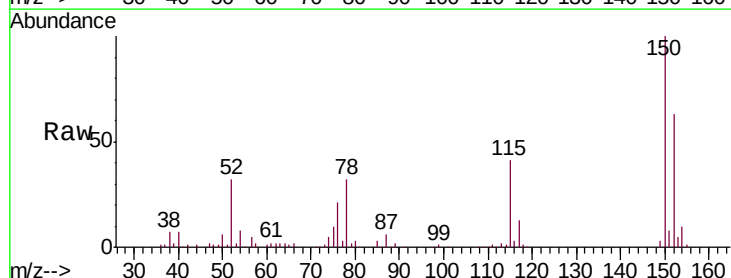
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ125-20180914

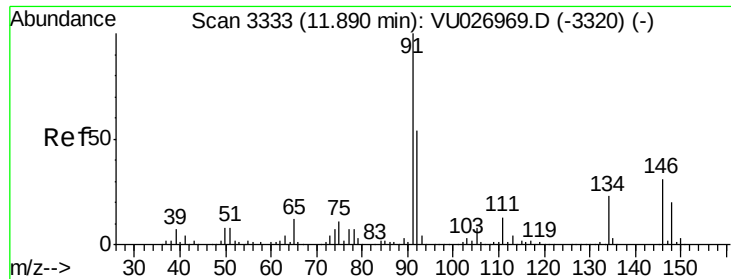
Tgt Ion: 75 Resp: 51779
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.967 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027069.D
Acq: 23 Sep 2018 14:09

Tgt Ion: 119 Resp: 231
Ion Ratio Lower Upper
119 100
134 8.7 12.8 38.3#
91 129.9 12.3 36.8#





#89

n-Butylbenzene

Concen: 2.463 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027069.D

Acq: 23 Sep 2018 14:09

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ125-20180914

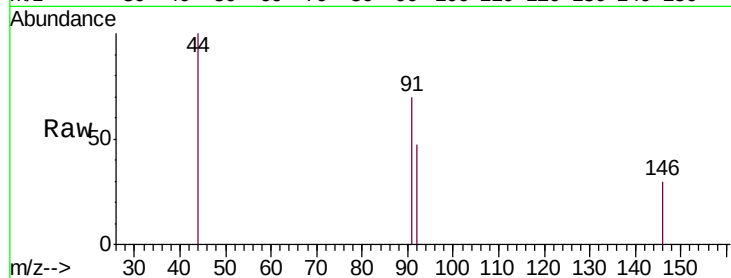
Tgt Ion: 91 Resp: 410

Ion Ratio Lower Upper

91 100

92 53.4 27.1 81.2

134 0.0 11.7 35.0#

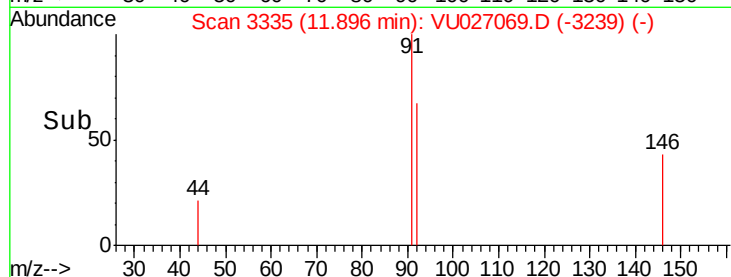


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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

Time-->

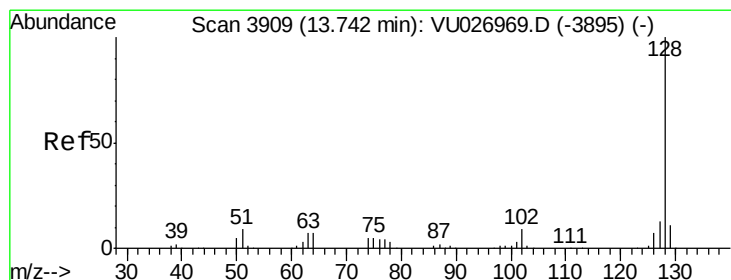


Abundance Ion 91.00 (90.70 to 91.70): VU027069.D (-3239) (-)

Ion 92.00 (91.70 to 92.70): VU027069.D (-3239) (-)

Ion 134.00 (133.70 to 134.70): VU027069.D (-3239) (-)

Time-->



#95

Naphthalene

Concen: 1.740 ug/l

RT: 13.76 min Scan# 3915

Delta R.T. 0.02 min

Lab File: VU027069.D

Acq: 23 Sep 2018 14:09

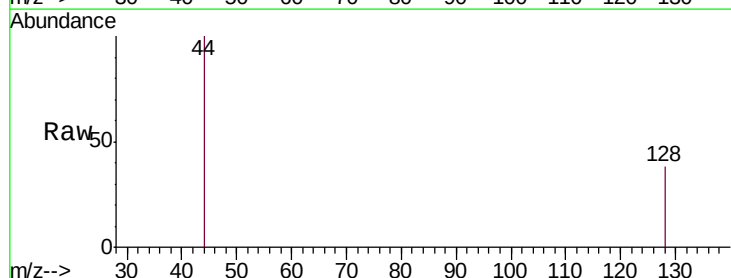
Tgt Ion: 128 Resp: 348

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 12.8#

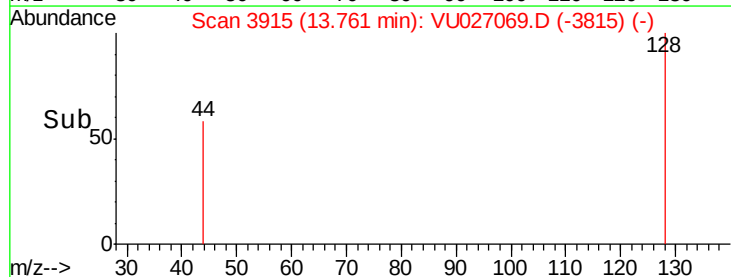


Abundance Ion 128.00 (127.70 to 128.70): VU026969.D (-3895) (-)

Ion 127.00 (126.70 to 127.70): VU026969.D (-3895) (-)

Ion 129.00 (128.70 to 129.70): VU026969.D (-3895) (-)

Time-->



Abundance Ion 128.00 (127.70 to 128.70): VU027069.D (-3815) (-)

Ion 127.00 (126.70 to 127.70): VU027069.D (-3815) (-)

Ion 129.00 (128.70 to 129.70): VU027069.D (-3815) (-)

Time-->