

Data File : VU027071.D
Acq On : 23 Sep 2018 14:56
Operator : MD/SY
Sample : J4954-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 113 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ124-20180914

Quant Time: Sep 24 07:14:26 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	104840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	178135	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	170680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	110430	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	4.89	113	75492	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	7.57	98	285831	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	10.31	95	92804	45.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.92%	

Target Compounds

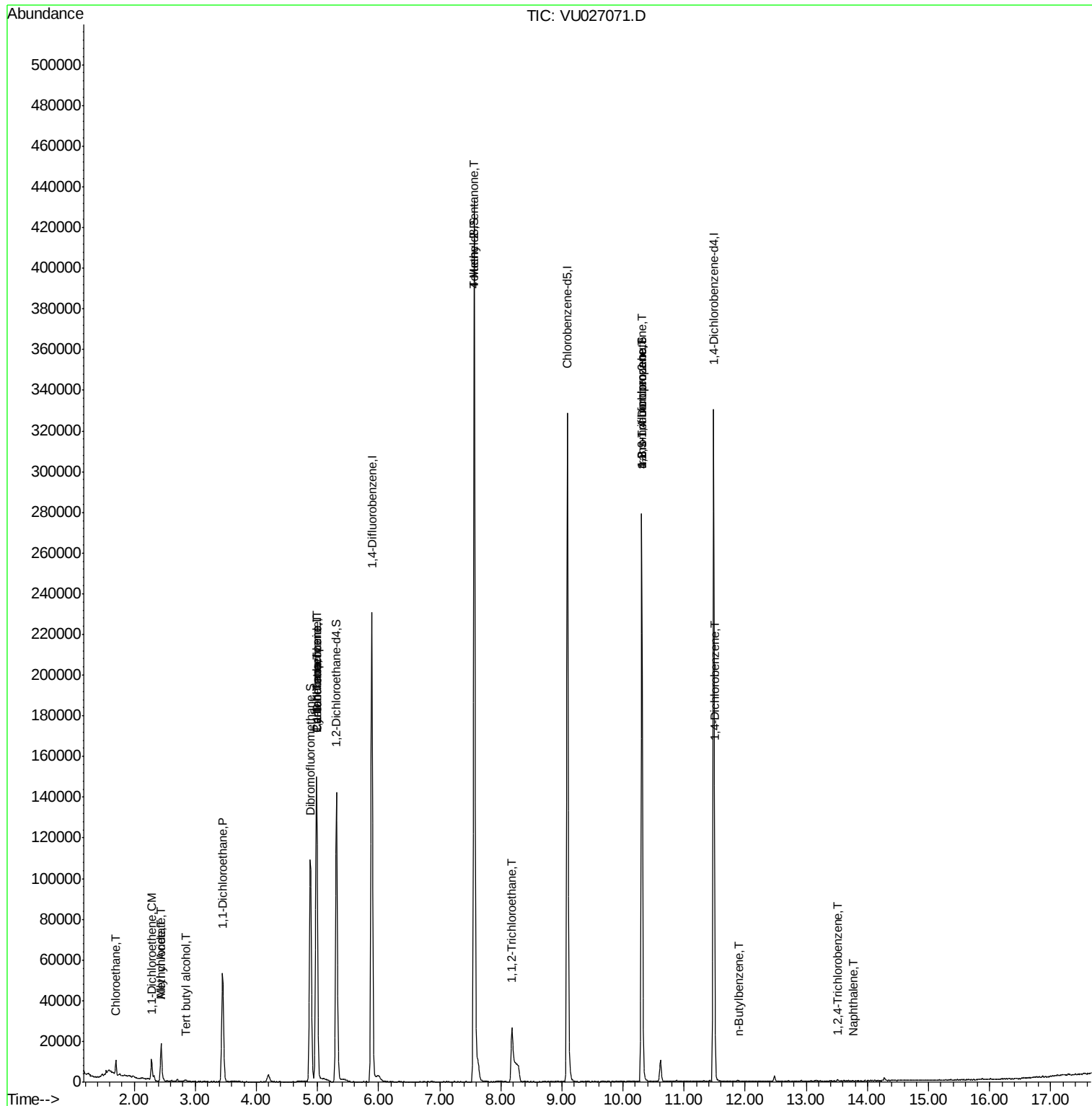
						Qvalue
6) Chloroethane	1.70	64	4736	3.365	ug/l	96
11) Tert butyl alcohol	2.83	59	202	0.418	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	2960	2.044	ug/l	95
14) Allyl chloride	2.44	41	1827	0.622	ug/l #	71
16) Acetone	2.32	43	3073	Below	Cal	98
18) Methyl Acetate	2.44	43	4677	1.557	ug/l #	55
24) 1,1-Dichloroethane	3.45	63	59913	17.317	ug/l	98
31) Cyclohexane	4.98	56	2888	0.347	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	10156	4.272	ug/l #	49
38) Carbon Tetrachloride	4.99	117	11040	4.880	ug/l #	17
51) 4-Methyl-2-Pentanone	7.56	43	1477	0.468	ug/l #	1
55) 1,1,2-Trichloroethane	8.18	97	393	0.224	ug/l #	13
76) 1,2,3-Trichloropropane	10.31	75	50082	21.347	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	50082	68.316	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	856	0.294	ug/l #	65
89) n-Butylbenzene	11.89	91	78	2.406	ug/l #	82
93) 1,2,4-Trichlorobenzene	13.52	180	420	0.257	ug/l #	85
95) Naphthalene	13.76	128	66	1.699	ug/l #	69

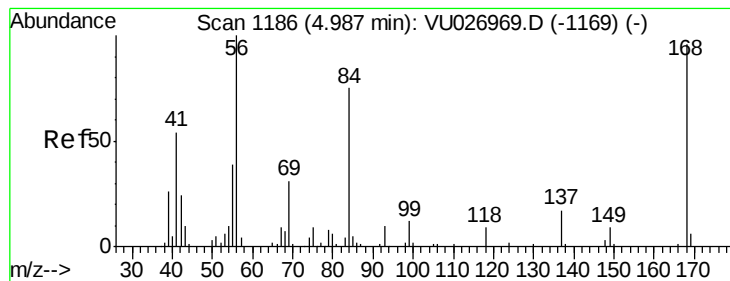
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027071.D

Acq: 23 Sep 2018 14:56

Instrument :

MSVOA_U

ClientSampleId :

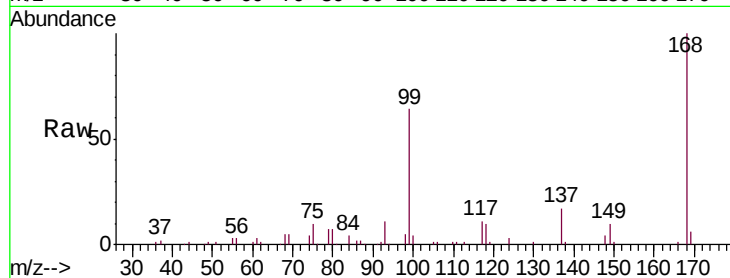
SA-PZ124-20180914

Tgt Ion:168 Resp: 104840

Ion Ratio Lower Upper

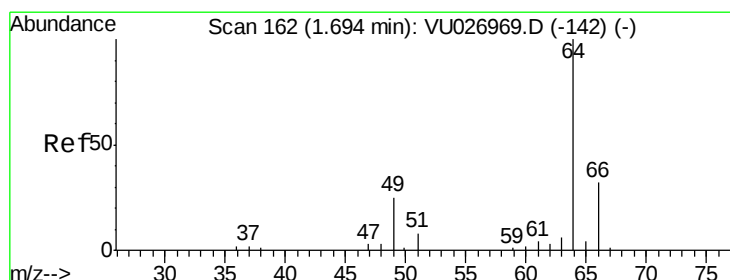
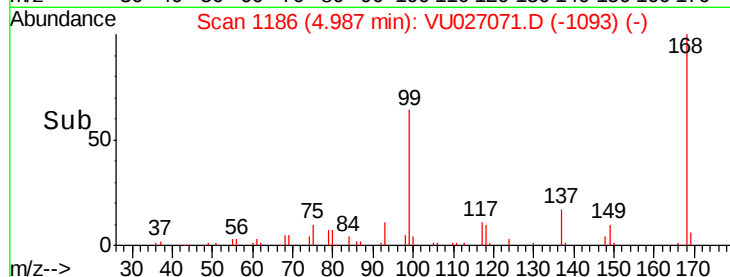
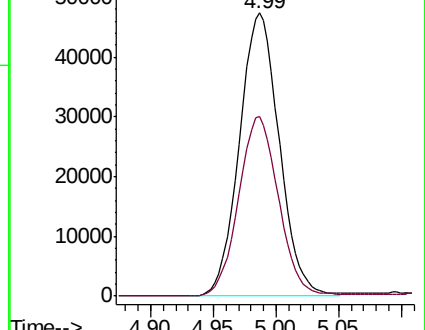
168 100

99 63.7 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) (-)



#6

Chloroethane

Concen: 3.365 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027071.D

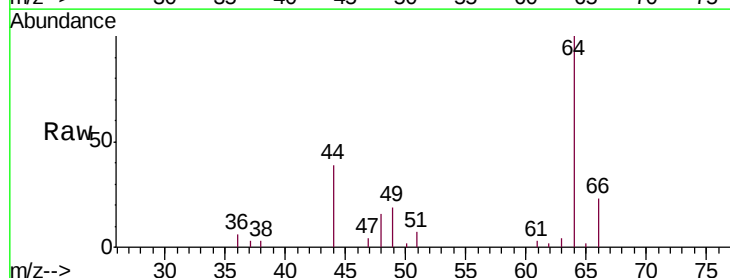
Acq: 23 Sep 2018 14:56

Tgt Ion: 64 Resp: 4736

Ion Ratio Lower Upper

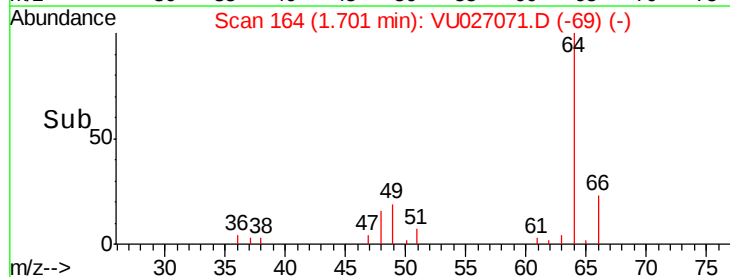
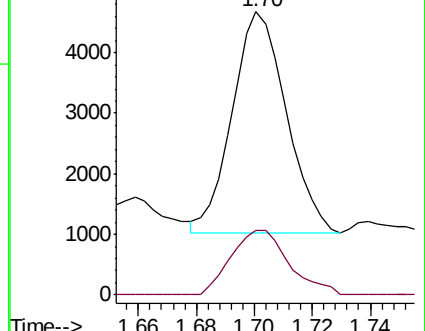
64 100

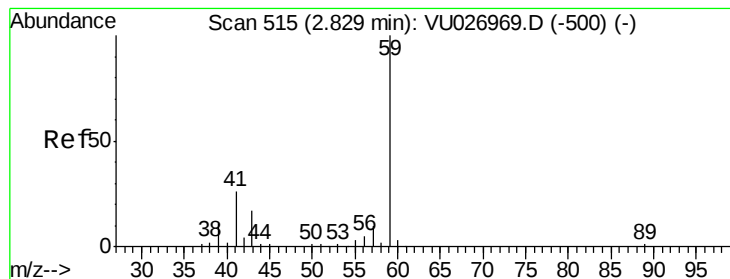
66 29.4 25.3 37.9



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

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



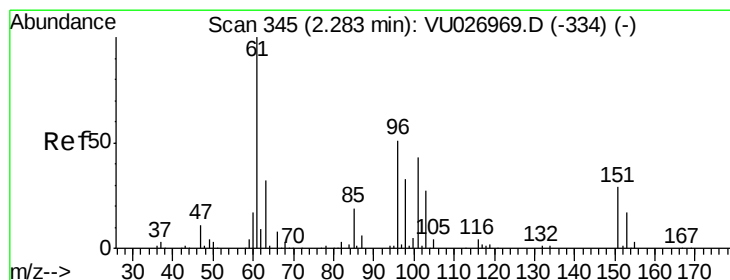
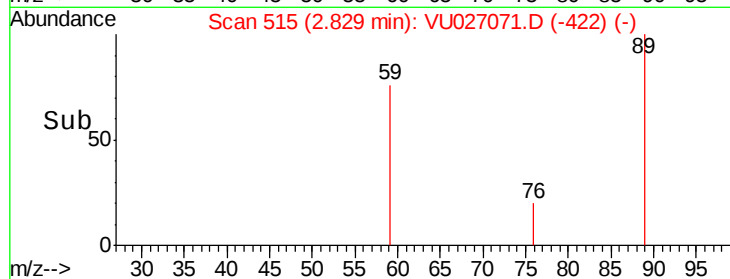
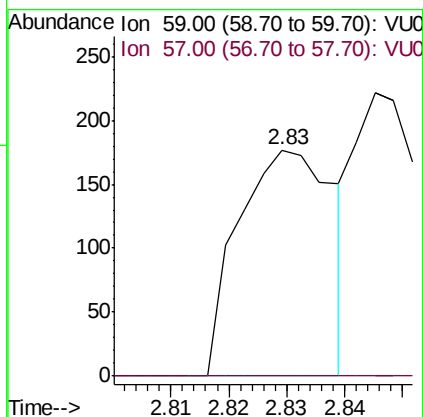
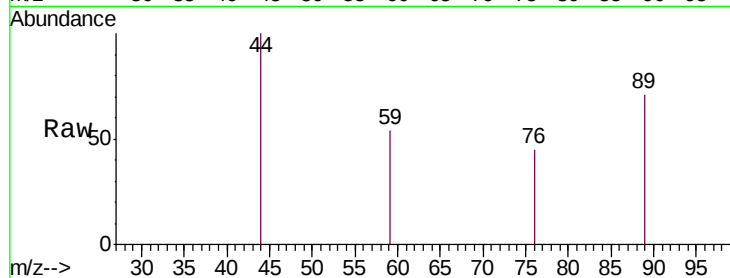


#11

Tert butyl alcohol
 Concen: 0.418 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. -0.00 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ124-20180914

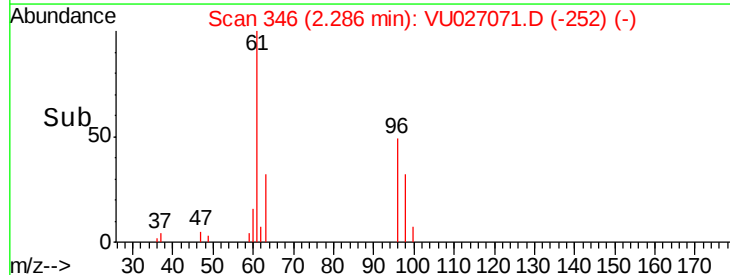
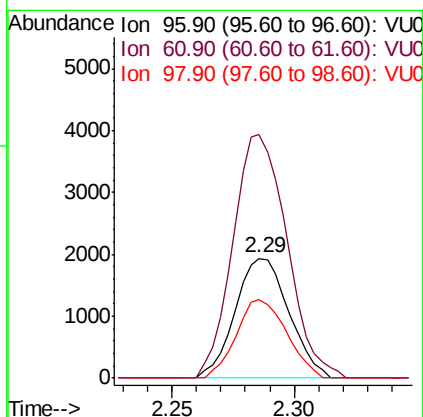
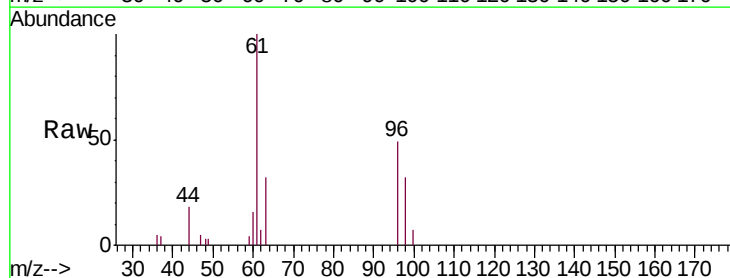
Tgt Ion: 59 Resp: 202
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

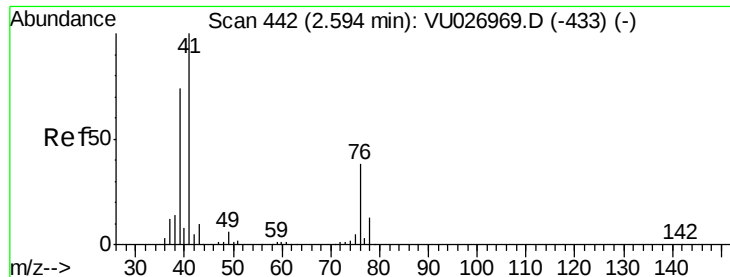


#12

1,1-Dichloroethene
 Concen: 2.044 ug/l
 RT: 2.29 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Tgt Ion: 96 Resp: 2960
 Ion Ratio Lower Upper
 96 100
 61 203.0 156.1 234.1
 98 65.9 51.4 77.0

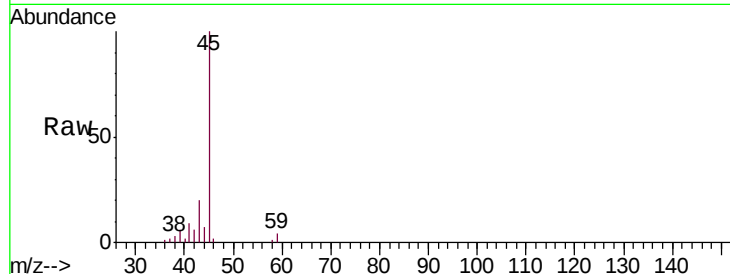




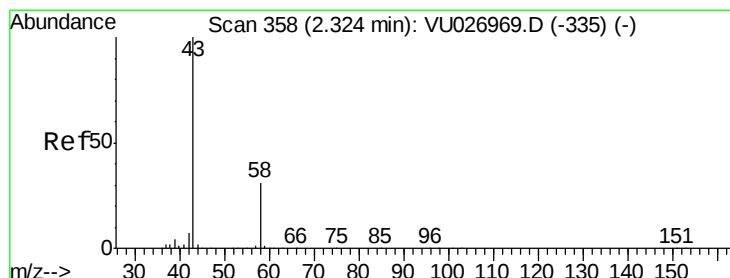
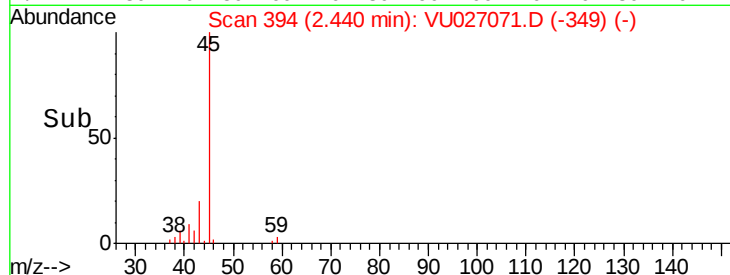
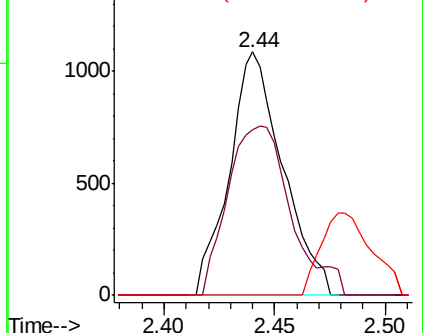
#14
 Allyl chloride
 Concen: 0.622 ug/l
 RT: 2.44 min Scan# 394
 Delta R.T. -0.15 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ124-20180914

Tgt Ion: 41 Resp: 1827
 Ion Ratio Lower Upper
 41 100
 39 82.0 55.7 83.5
 76 0.0 26.5 39.7#

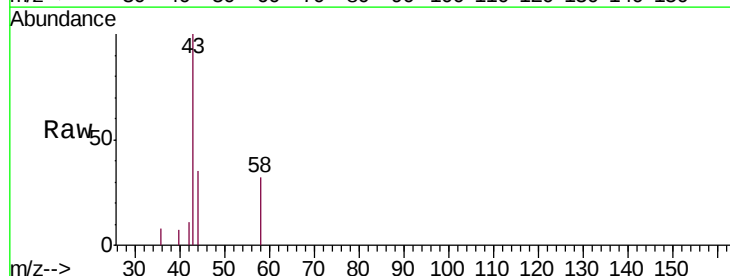


Abundance Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0
 Ion 75.90 (75.60 to 76.60): VU0

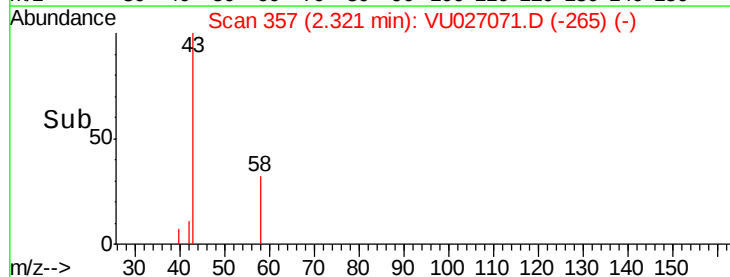
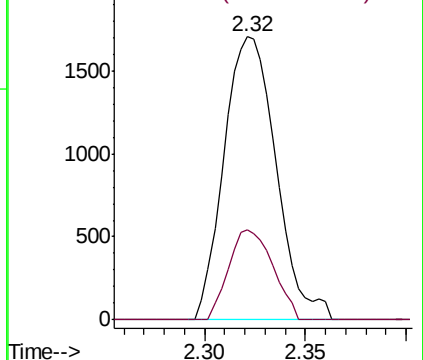


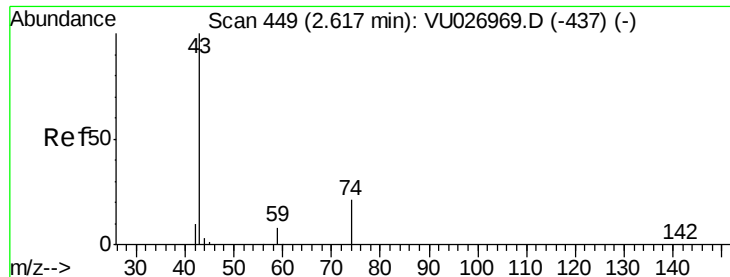
#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Tgt Ion: 43 Resp: 3073
 Ion Ratio Lower Upper
 43 100
 58 32.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0

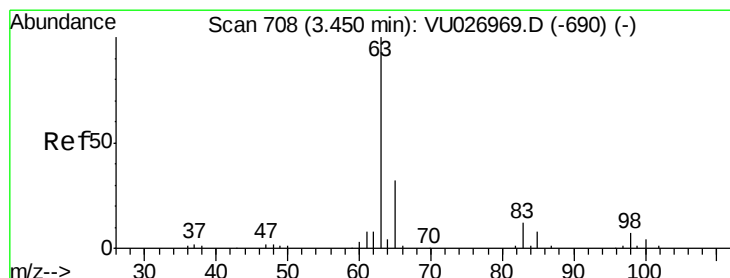
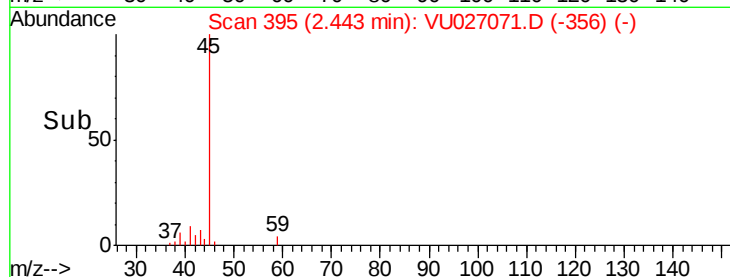
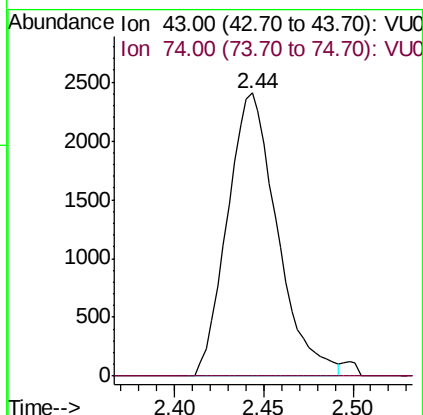
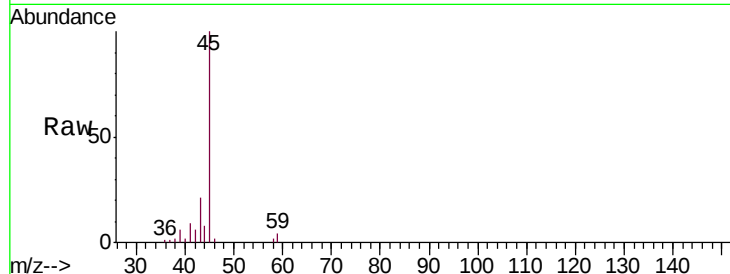




#18
Methyl Acetate
Concen: 1.557 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027071.D
Acq: 23 Sep 2018 14:56

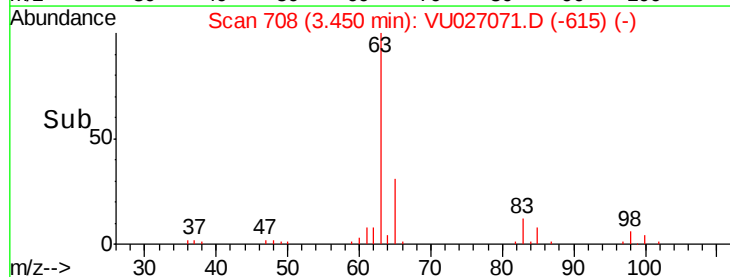
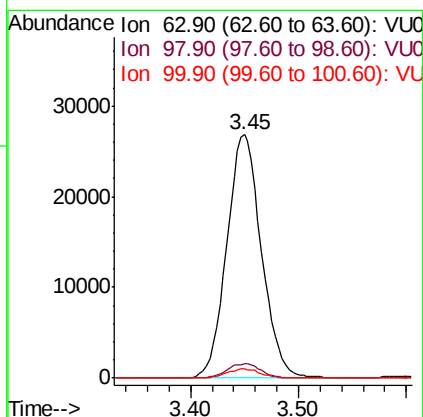
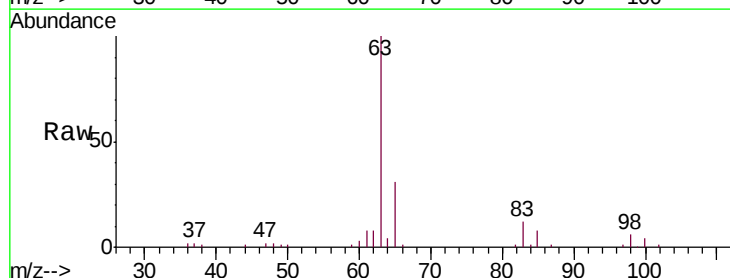
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ124-20180914

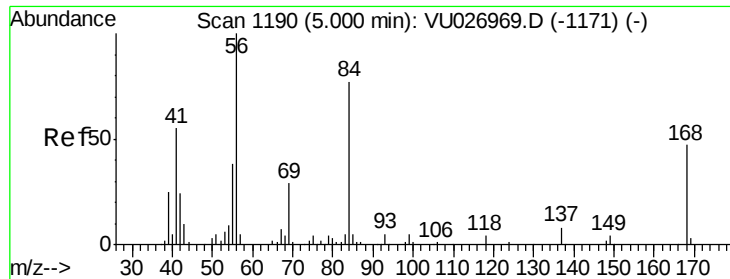
Tgt Ion: 43 Resp: 4677
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#24
1,1-Dichloroethane
Concen: 17.317 ug/l
RT: 3.45 min Scan# 708
Delta R.T. -0.00 min
Lab File: VU027071.D
Acq: 23 Sep 2018 14:56

Tgt Ion: 63 Resp: 59913
Ion Ratio Lower Upper
63 100
98 5.8 3.3 9.8
100 3.7 2.0 5.8

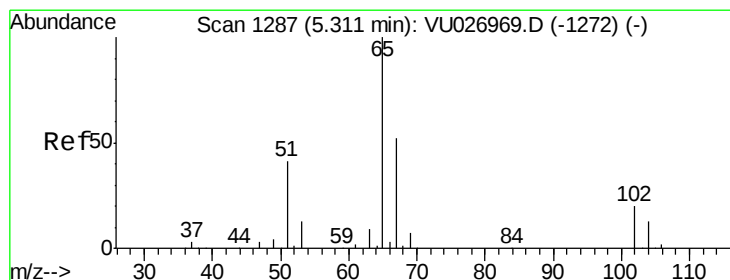
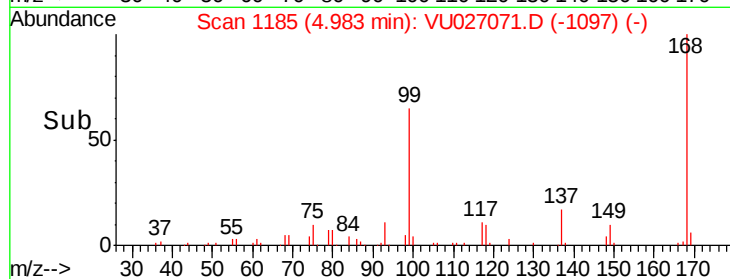
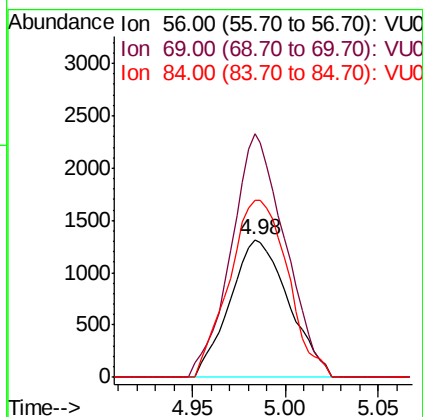
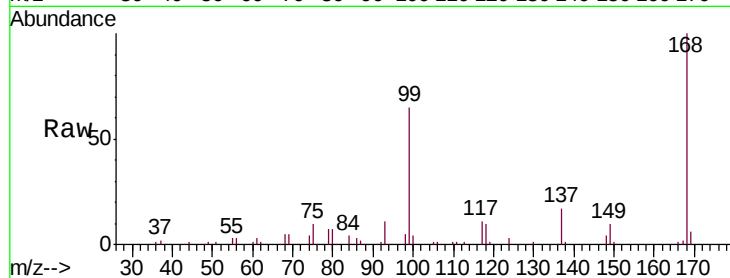




#31
Cyclohexane
Concen: 0.347 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027071.D
Acq: 23 Sep 2018 14:56

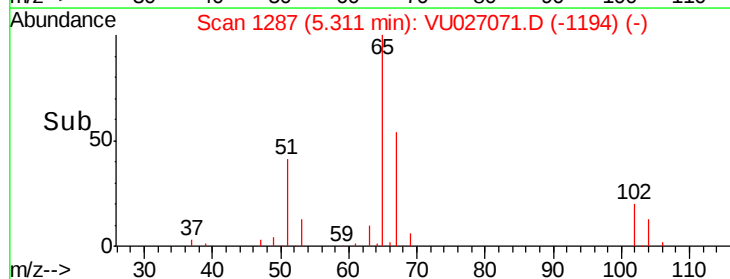
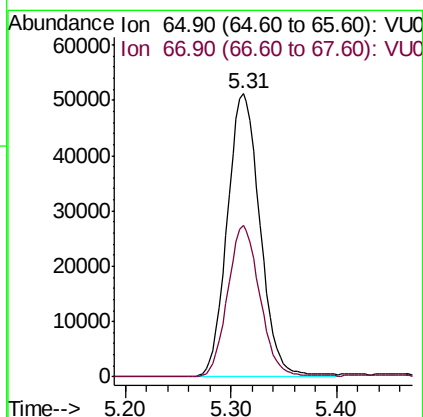
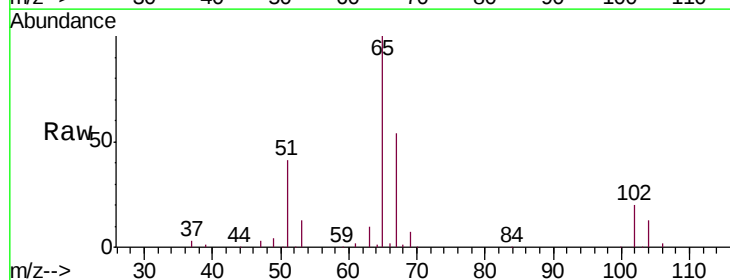
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ124-20180914

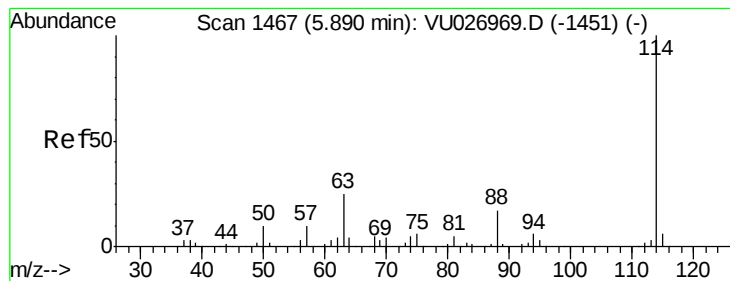
Tgt Ion: 56 Resp: 2888
Ion Ratio Lower Upper
56 100
69 176.6 23.0 34.4#
84 128.8 61.4 92.2#



#33
1,2-Dichloroethane-d4
Concen: 52.335 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027071.D
Acq: 23 Sep 2018 14:56

Tgt Ion: 65 Resp: 110430
Ion Ratio Lower Upper
65 100
67 52.3 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: VU027071.D

Acq: 23 Sep 2018 14:56

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ124-20180914

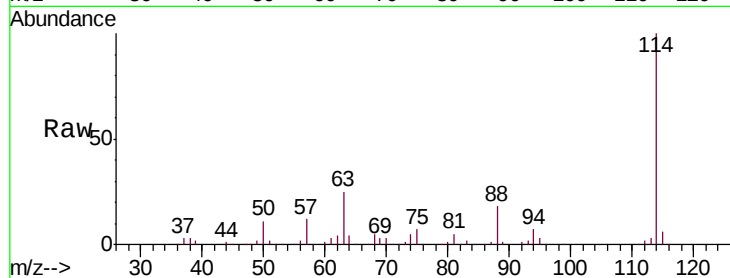
Tgt Ion:114 Resp: 178135

Ion Ratio Lower Upper

114 100

63 25.5 0.0 49.2

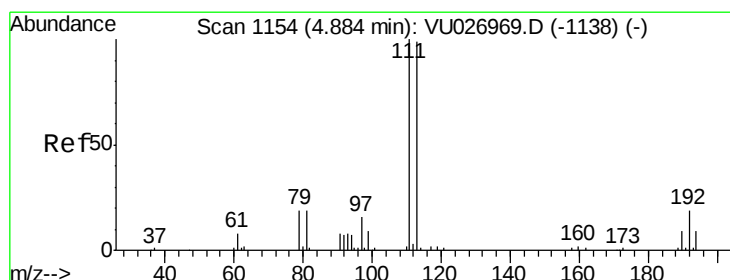
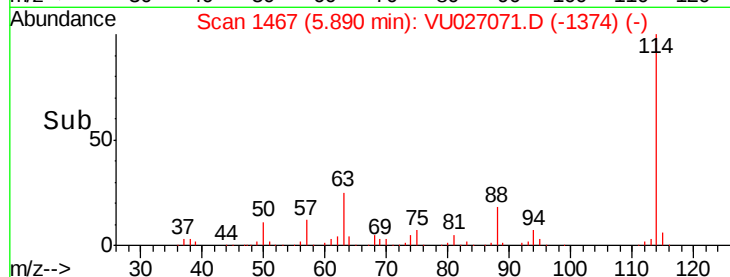
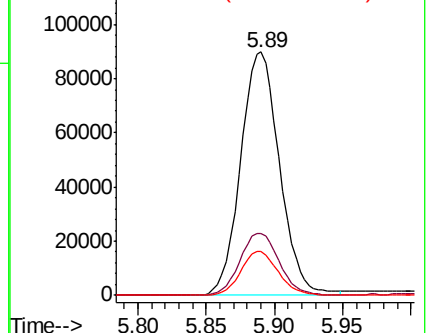
88 17.9 0.0 33.8



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: 48.891 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027071.D

Acq: 23 Sep 2018 14:56

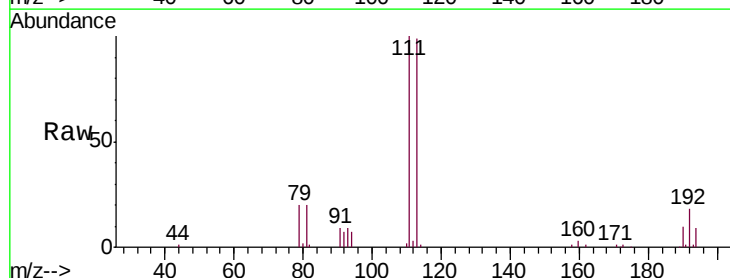
Tgt Ion:113 Resp: 75492

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

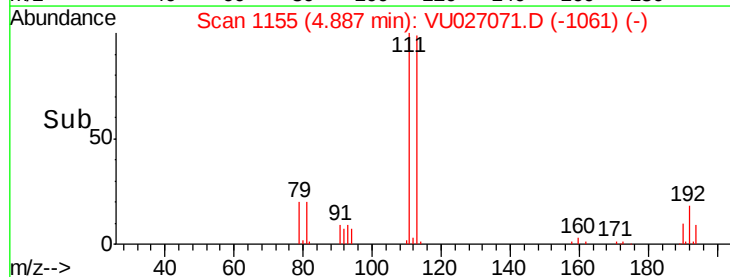
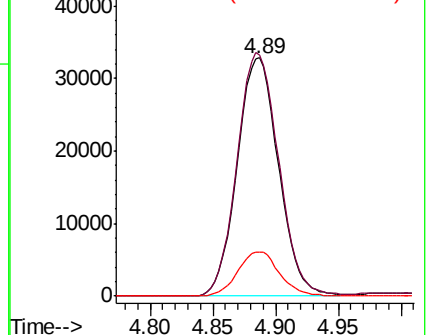
192 18.6 15.2 22.8

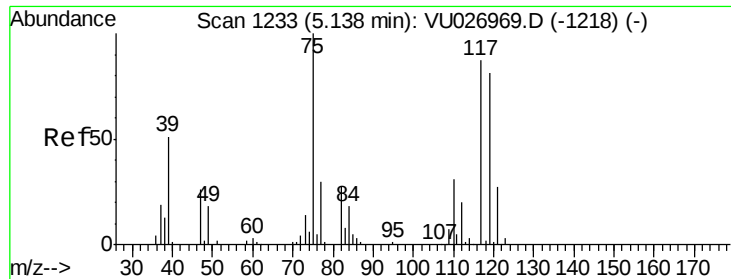


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

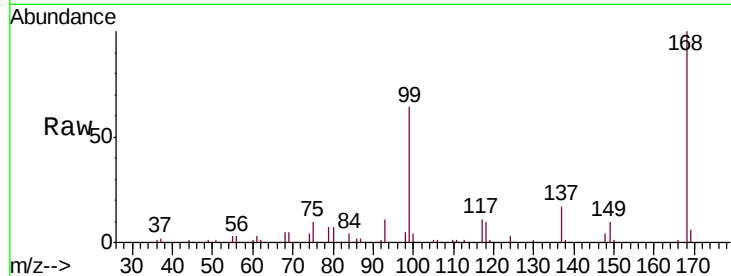




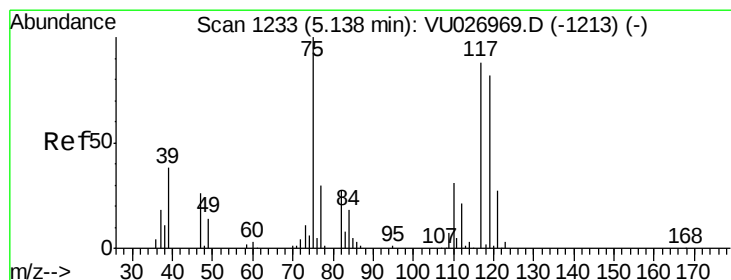
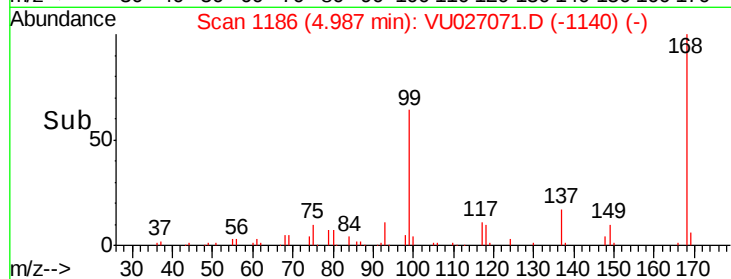
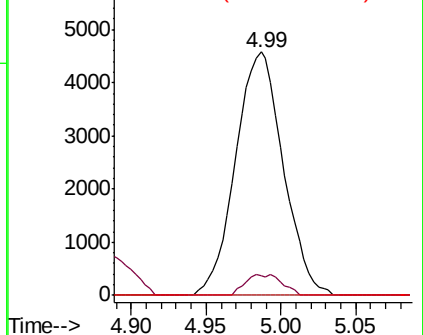
#36
 1,1-Dichloropropene
 Concen: 4.272 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

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 SA-PZ124-20180914

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.6	16.1	48.2#
77	0.0	24.6	36.8#

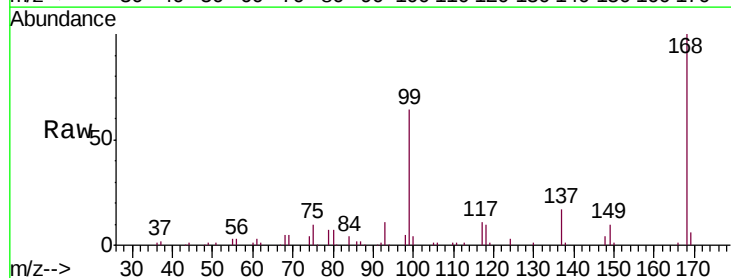


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

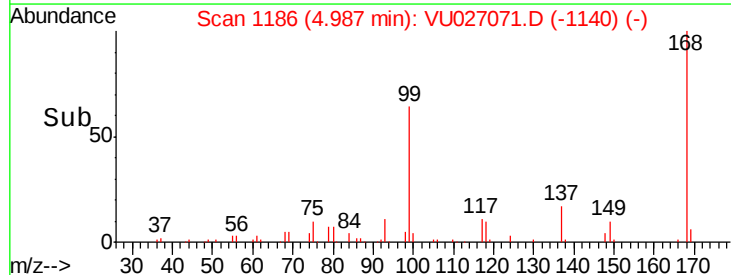
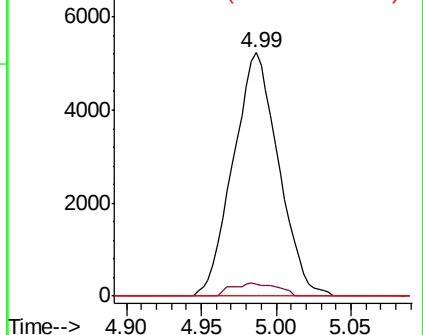


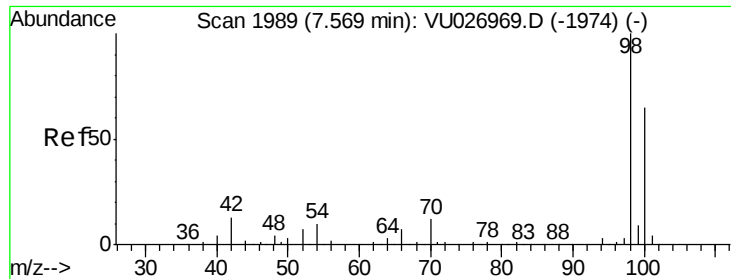
#38
 Carbon Tetrachloride
 Concen: 4.880 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Tgt 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: 48.573 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027071.D

Acq: 23 Sep 2018 14:56

Instrument :

MSVOA_U

ClientSampleId :

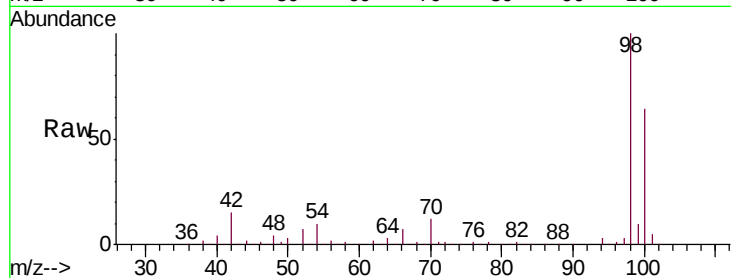
SA-PZ124-20180914

Tgt Ion: 98 Resp: 285831

Ion Ratio Lower Upper

98 100

100 62.1 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

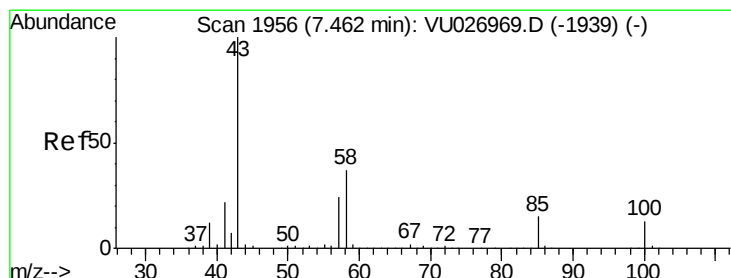
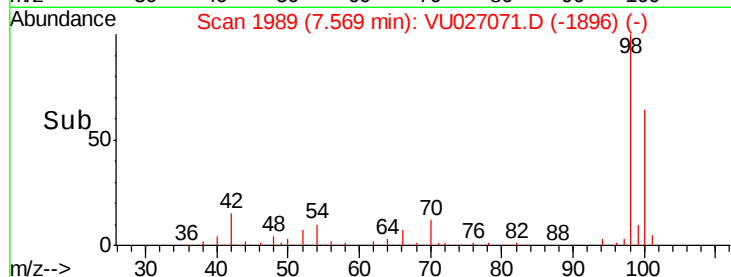
100000

50000

0

7.50 7.60 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.468 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VU027071.D

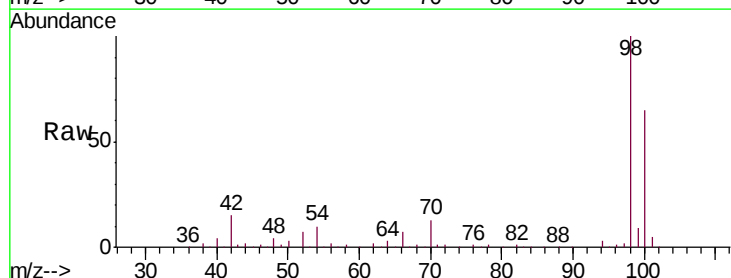
Acq: 23 Sep 2018 14:56

Tgt Ion: 43 Resp: 1477

Ion Ratio Lower Upper

43 100

58 186.6 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.56

1500

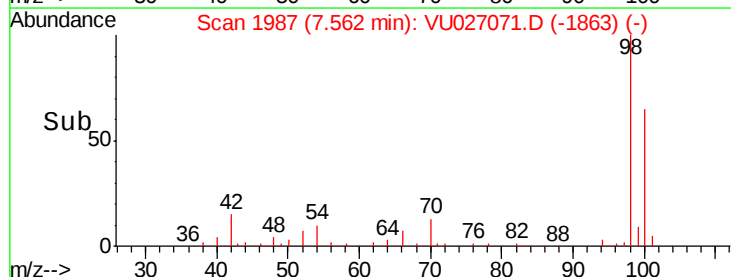
1000

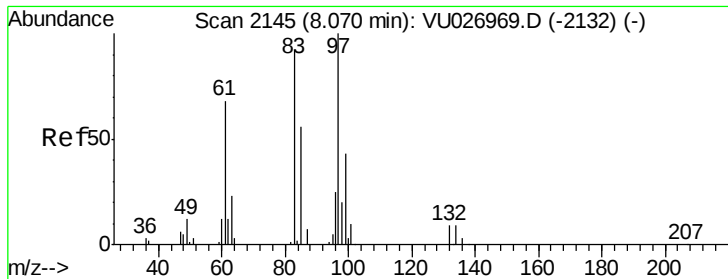
500

0

7.55 7.60

Time-->

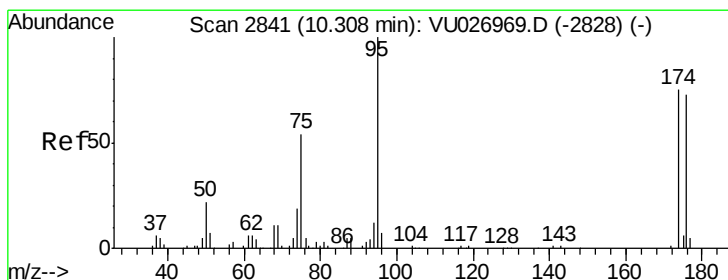
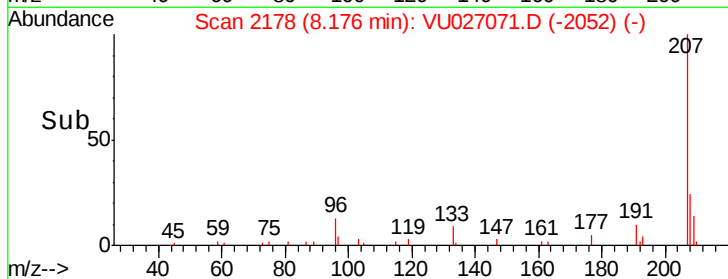
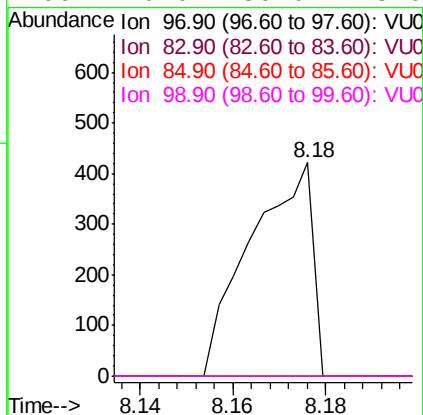
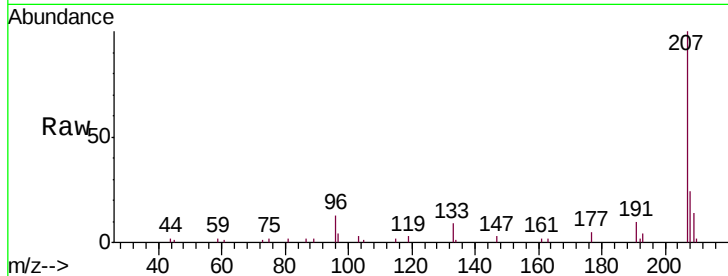




#55
 1,1,2-Trichloroethane
 Concen: 0.224 ug/l
 RT: 8.18 min Scan# 2178
 Delta R.T. 0.11 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

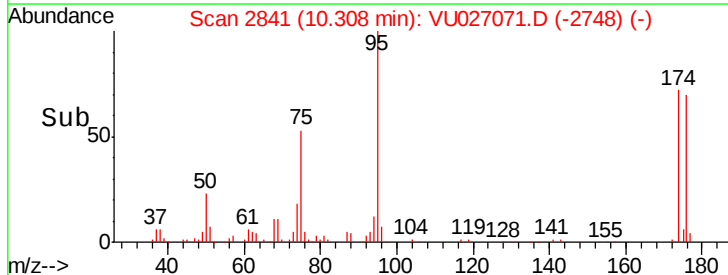
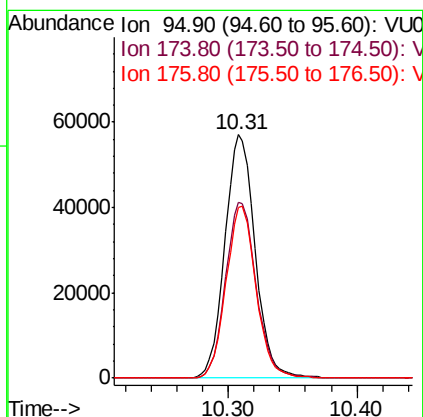
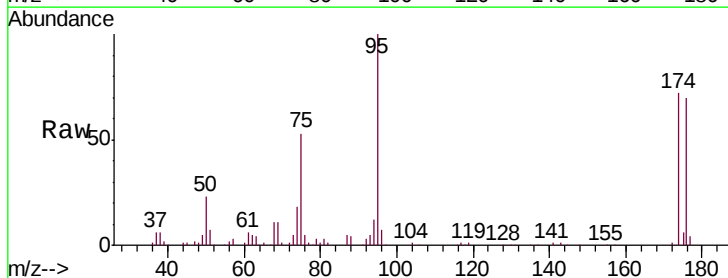
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ124-20180914

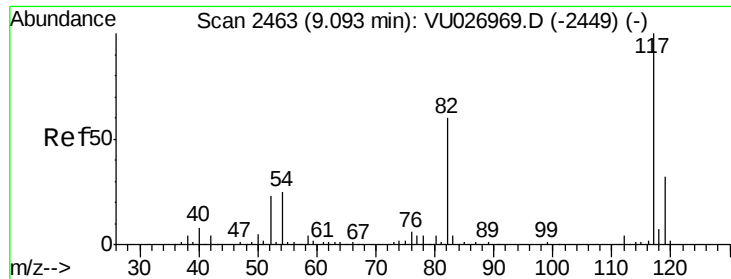
Tgt Ion: 97 Resp: 393
 Ion Ratio Lower Upper
 97 100
 83 0.0 73.1 109.7#
 85 0.0 46.7 70.1#
 99 0.0 50.0 75.0#



#62
 4-Bromofluorobenzene
 Concen: 45.961 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Tgt Ion: 95 Resp: 92804
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 150.2
 176 70.4 0.0 145.2

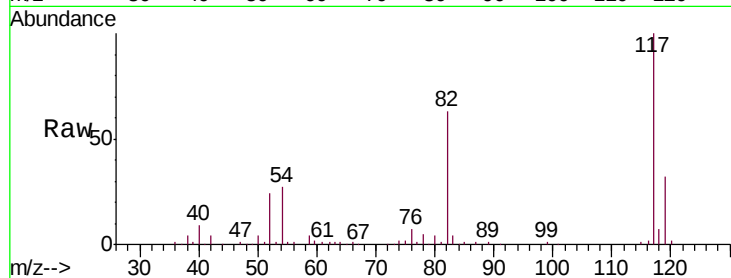




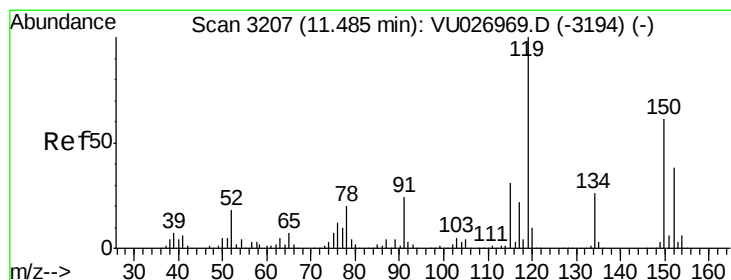
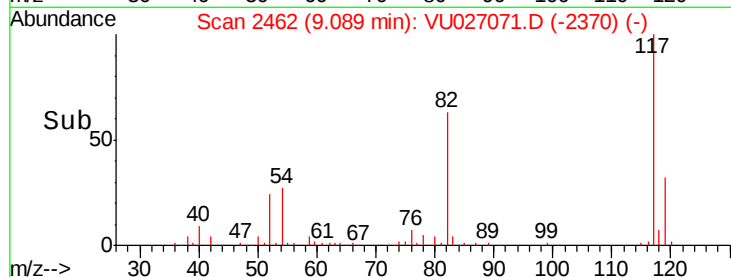
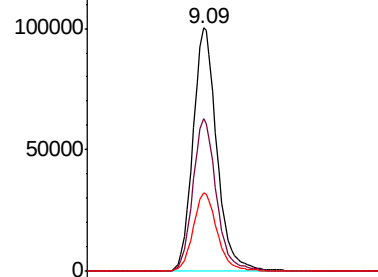
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027071.D
Acq: 23 Sep 2018 14:56

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ124-20180914

Tgt Ion:117 Resp: 170680
Ion Ratio Lower Upper
117 100
82 62.6 48.0 72.0
119 32.0 25.8 38.8

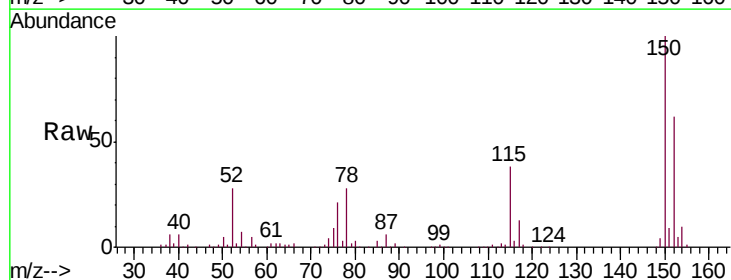


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

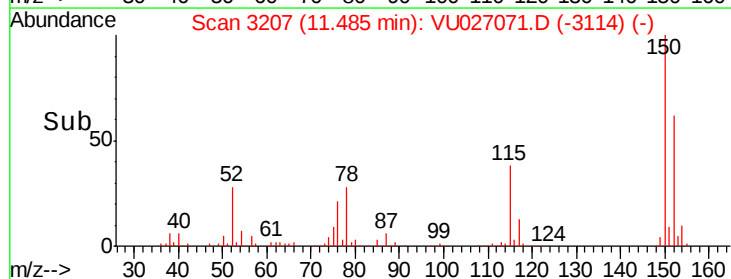
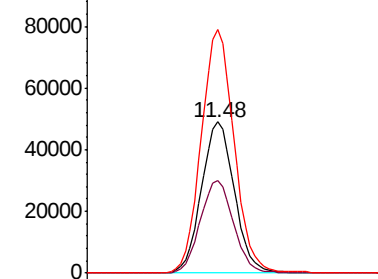


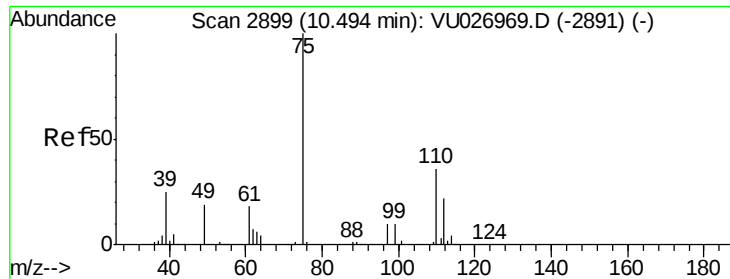
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU027071.D
Acq: 23 Sep 2018 14:56

Tgt Ion:152 Resp: 77224
Ion Ratio Lower Upper
152 100
115 62.1 44.9 134.5
150 161.3 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: 21.347 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027071.D

Acq: 23 Sep 2018 14:56

Instrument :

MSVOA_U

ClientSampleId :

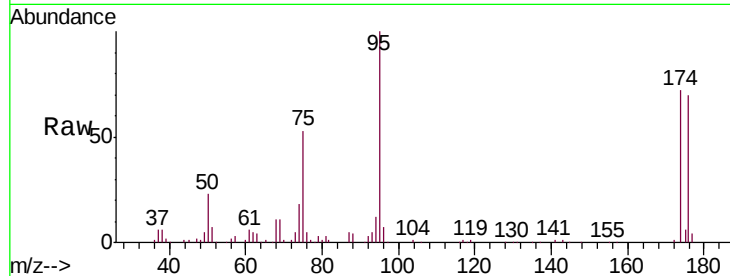
SA-PZ124-20180914

Tgt Ion: 75 Resp: 50082

Ion Ratio Lower Upper

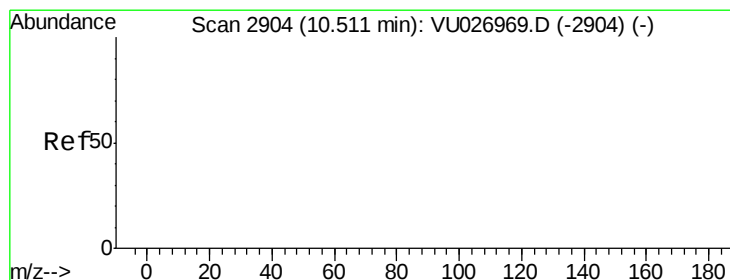
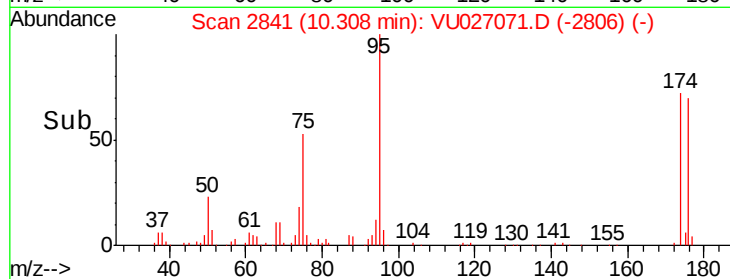
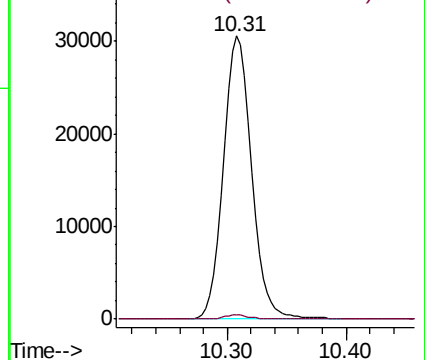
75 100

77 1.3 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: 68.316 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027071.D

Acq: 23 Sep 2018 14:56

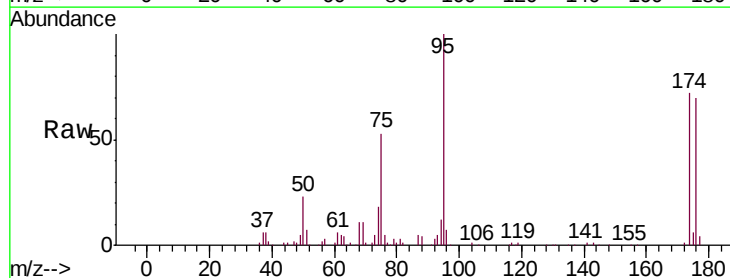
Tgt Ion: 75 Resp: 50082

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

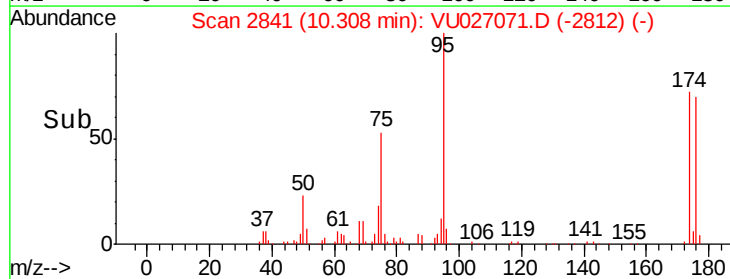
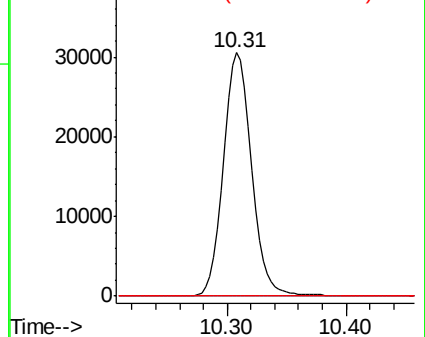
89 0.0 0.0 0.0

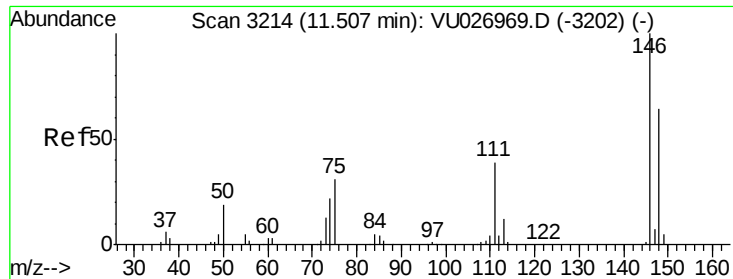


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#88

1,4-Dichlorobenzene

Concen: 0.294 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027071.D

Acq: 23 Sep 2018 14:56

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ124-20180914

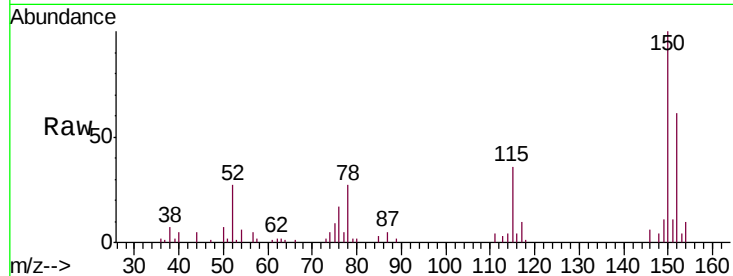
Tgt Ion:146 Resp: 856

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

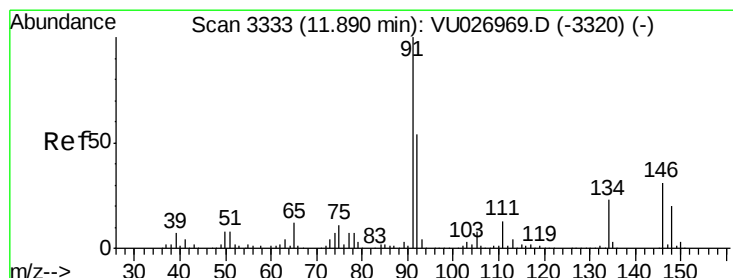
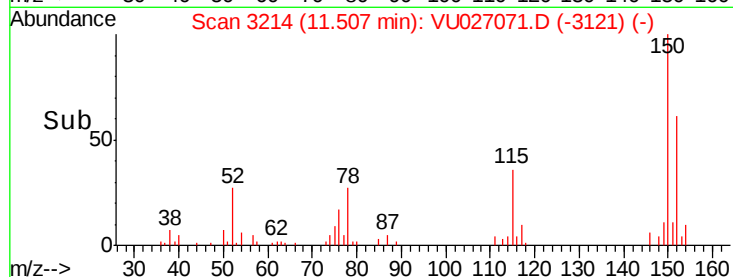
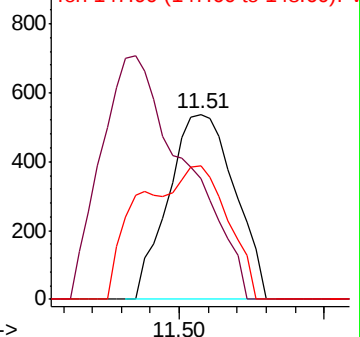
148 51.8 31.9 95.9



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: 2.406 ug/l

RT: 11.89 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VU027071.D

Acq: 23 Sep 2018 14:56

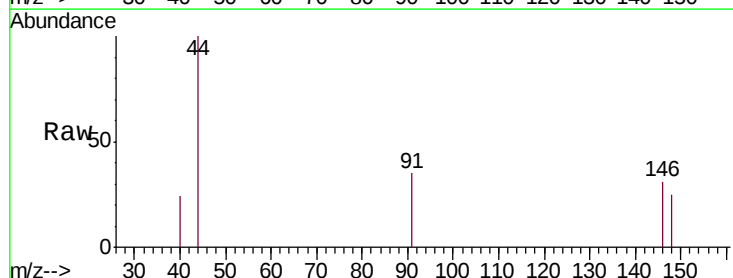
Tgt Ion: 91 Resp: 78

Ion Ratio Lower Upper

91 100

92 50.0 27.1 81.2

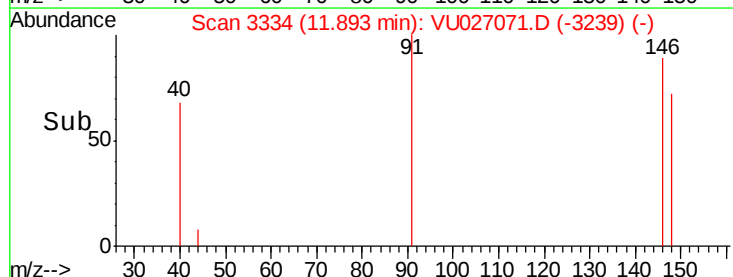
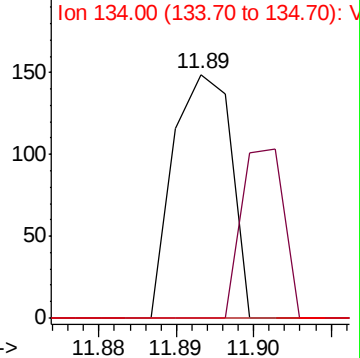
134 0.0 11.7 35.0#

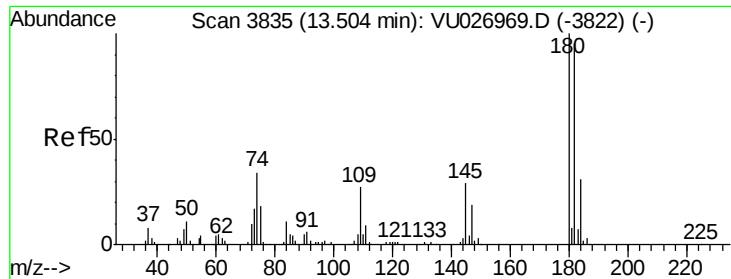


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

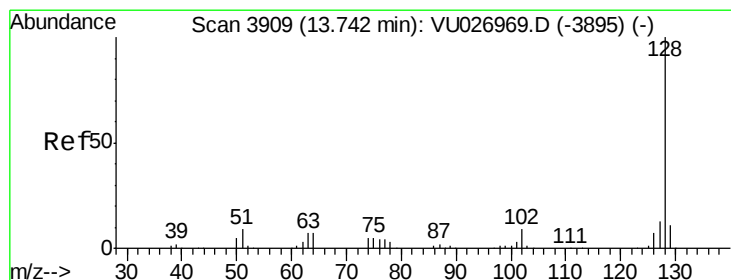
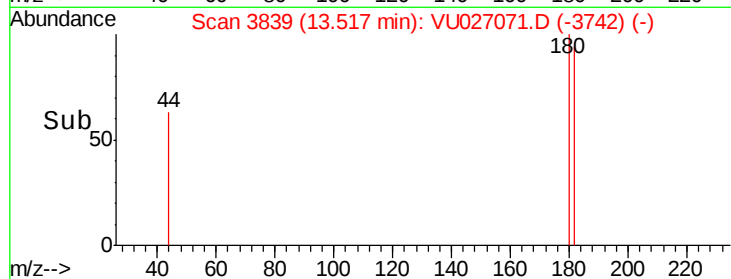
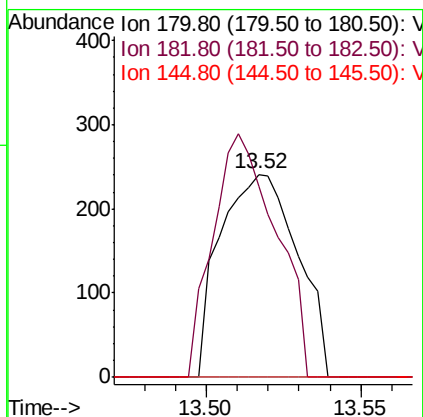
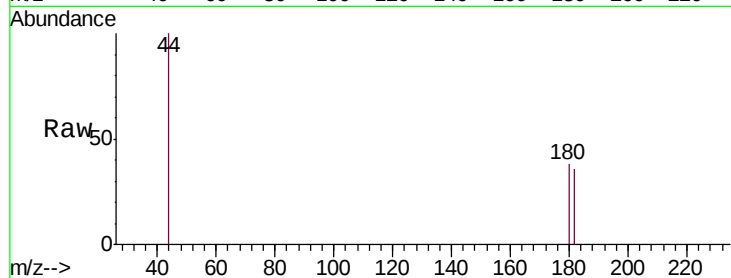




#93
 1,2,4-Trichlorobenzene
 Concen: 0.257 ug/l
 RT: 13.52 min Scan# 3839
 Delta R.T. 0.01 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ124-20180914

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.4	142.2
145	0.0	14.9	44.5#



#95
 Naphthalene
 Concen: 1.699 ug/l
 RT: 13.76 min Scan# 3914
 Delta R.T. 0.02 min
 Lab File: VU027071.D
 Acq: 23 Sep 2018 14:56

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

