

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027168.D
 Acq On : 26 Sep 2018 11:33
 Operator : MD/SY
 Sample : J4969-01DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916DL

Quant Time: Sep 27 01:05:36 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	97197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	166143	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	102188	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
35) Dibromofluoromethane	4.89	113	70881	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	7.57	98	265544	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	10.31	95	86478	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

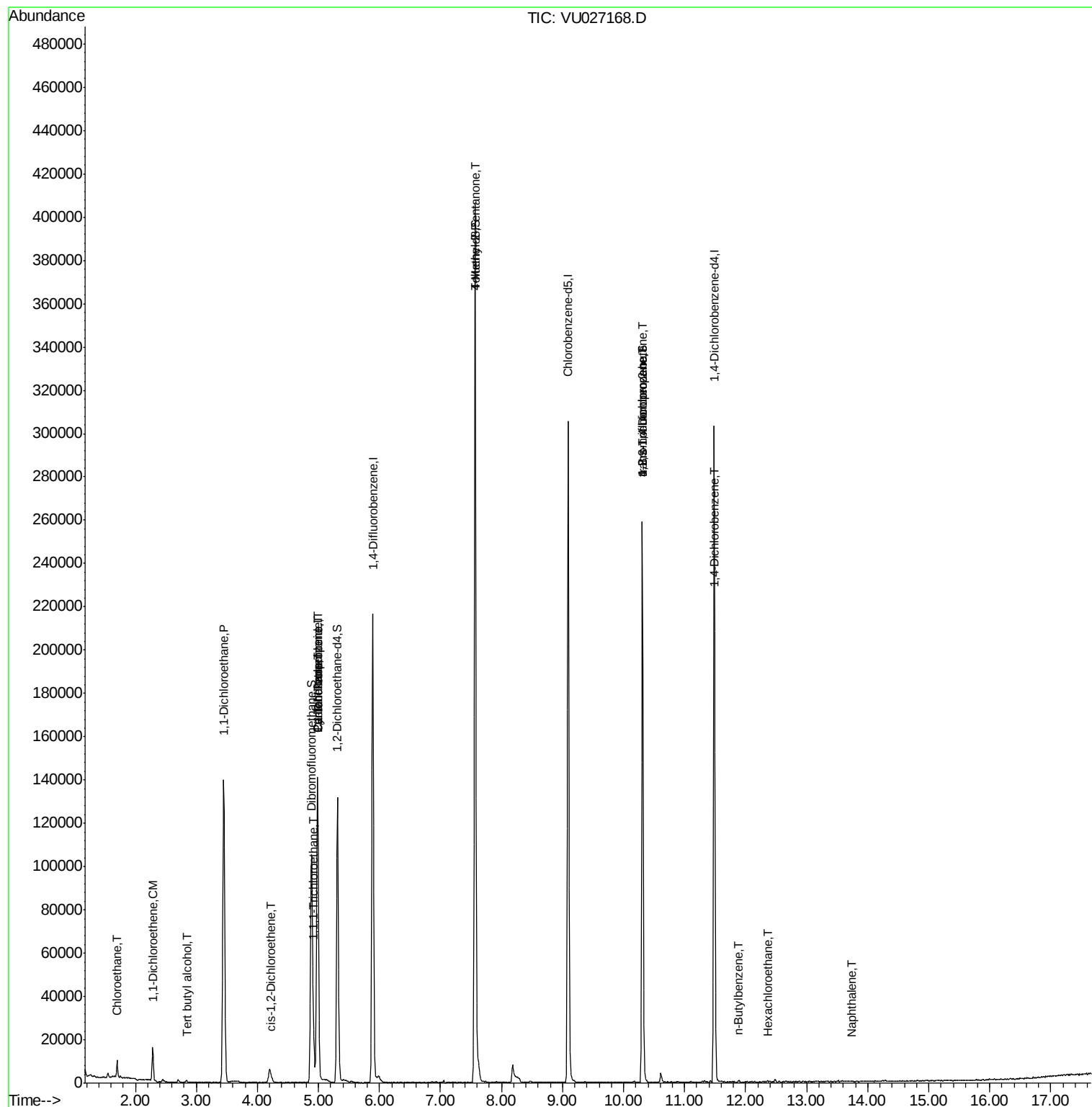
						Qvalue
6) Chloroethane	1.70	64	5266	4.035	ug/l	96
11) Tert butyl alcohol	2.83	59	545	1.215	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	4945	3.684	ug/l	94
16) Acetone	2.32	43	591	Below Cal	#	86
24) 1,1-Dichloroethane	3.45	63	158403	49.385	ug/l	99
27) cis-1,2-Dichloroethene	4.24	96	709	0.438	ug/l	85
31) Cyclohexane	4.99	56	2458	0.271	ug/l #	1
32) 1,1,1-Trichloroethane	4.92	97	13723	5.773	ug/l	96
36) 1,1-Dichloropropene	4.98	75	9259	4.176	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10692	5.067	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1370	0.465	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	47465	21.739	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	47465	69.569	ug/l #	100
88) 1,4-Dichlorobenzene	11.50	146	1047	0.386	ug/l #	51
89) n-Butylbenzene	11.90	91	211	2.433	ug/l #	54
90) Hexachloroethane	12.36	117	514	0.519	ug/l #	13
95) Naphthalene	13.75	128	292	1.736	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: VU027168.D

Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

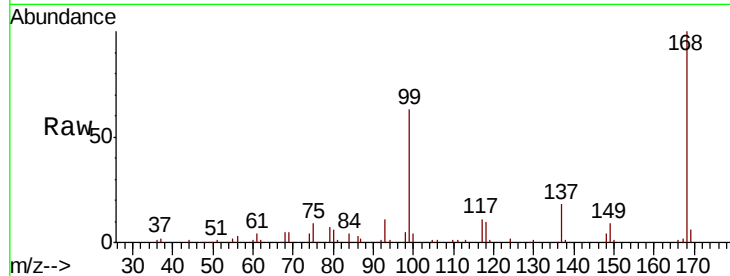
SA-PZ171I-20180916DL

Tgt Ion:168 Resp: 97197

Ion Ratio Lower Upper

168 100

99 62.2 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

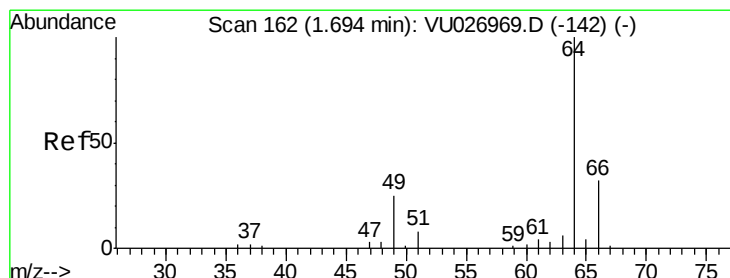
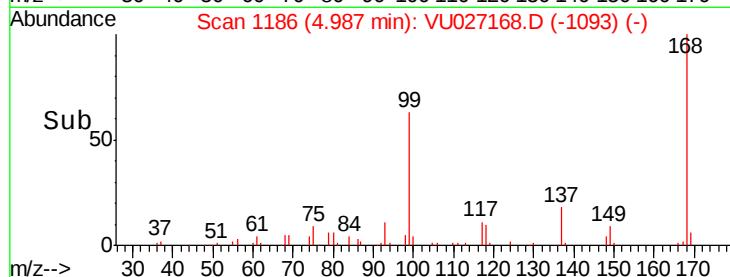
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 4.035 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.01 min

Lab File: VU027168.D

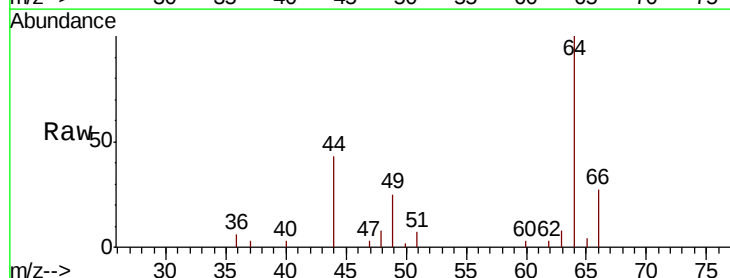
Acq: 26 Sep 2018 11:33

Tgt Ion: 64 Resp: 5266

Ion Ratio Lower Upper

64 100

66 29.6 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) (-)

1.70

5000

4000

3000

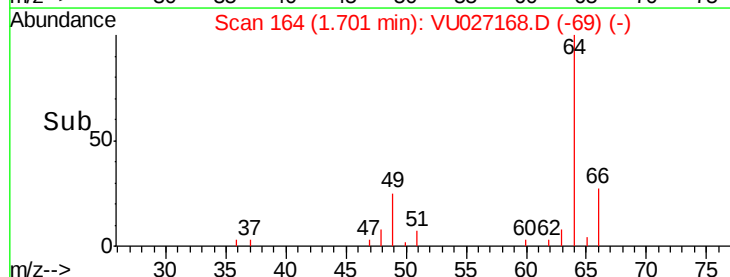
2000

1000

0

1.65 1.70 1.75

Time-->



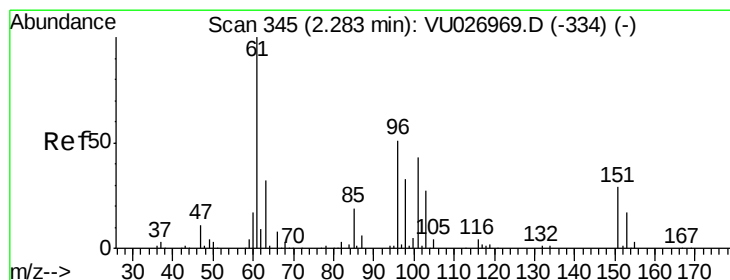
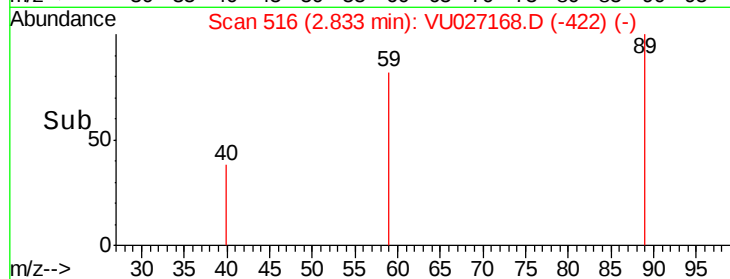
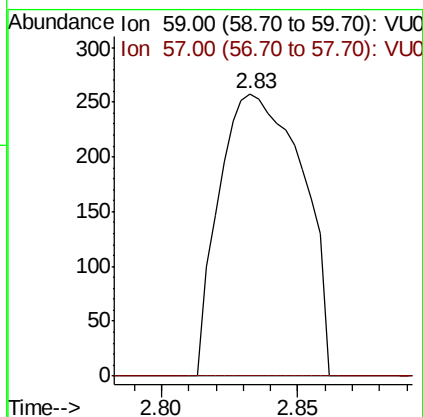
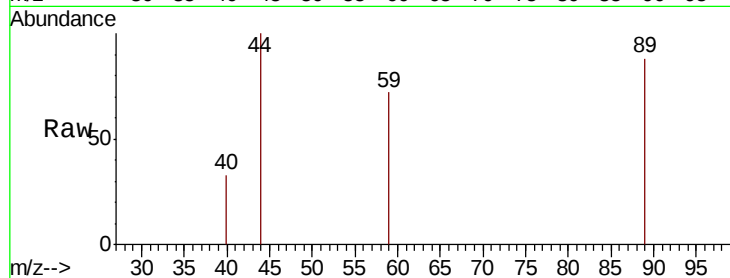


#11

Tert butyl alcohol
 Concen: 1.215 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916DL

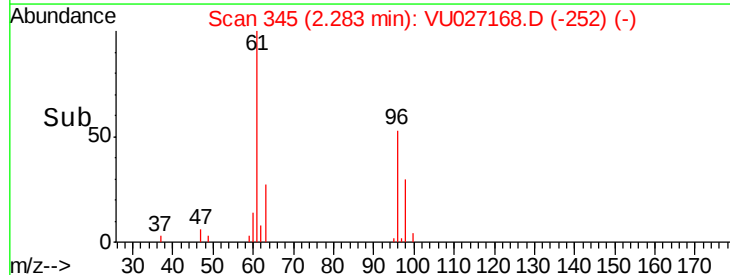
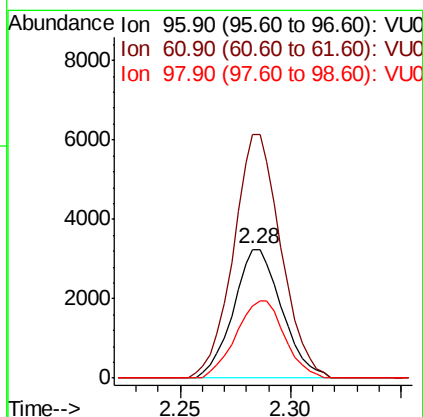
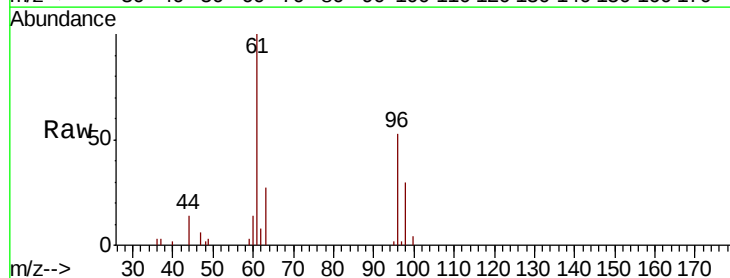
Tgt Ion: 59 Resp: 545
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

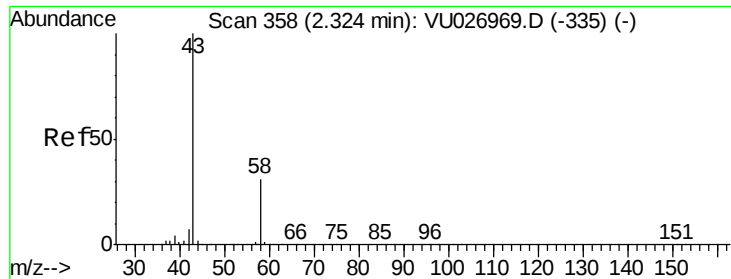


#12

1,1-Dichloroethene
 Concen: 3.684 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Tgt Ion: 96 Resp: 4945
 Ion Ratio Lower Upper
 96 100
 61 188.9 156.1 234.1
 98 56.0 51.4 77.0





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027168.D

Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

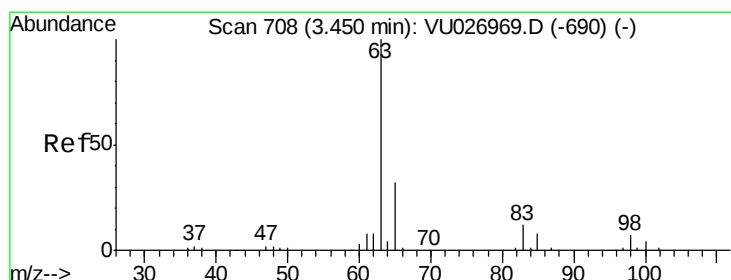
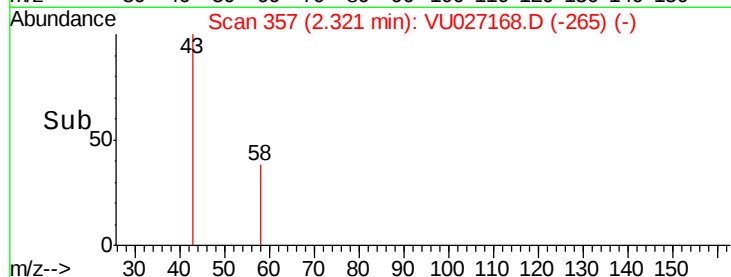
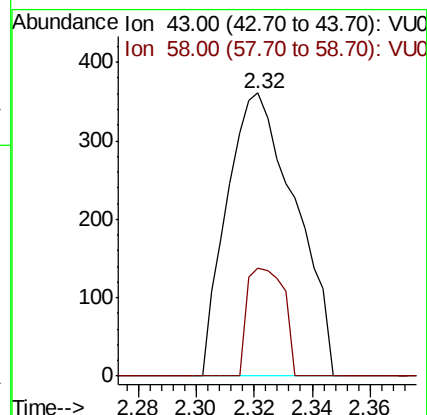
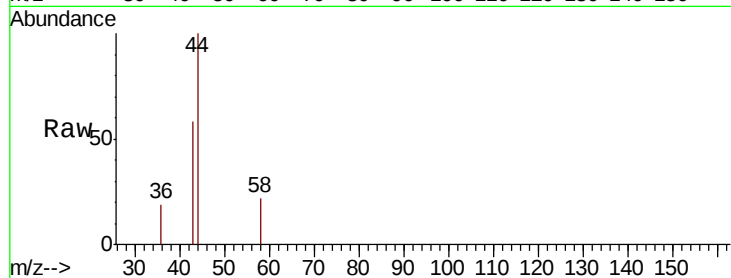
SA-PZ171I-20180916DL

Tgt Ion: 43 Resp: 591

Ion Ratio Lower Upper

43 100

58 38.2 24.6 36.8#



#24

1,1-Dichloroethane

Concen: 49.385 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027168.D

Acq: 26 Sep 2018 11:33

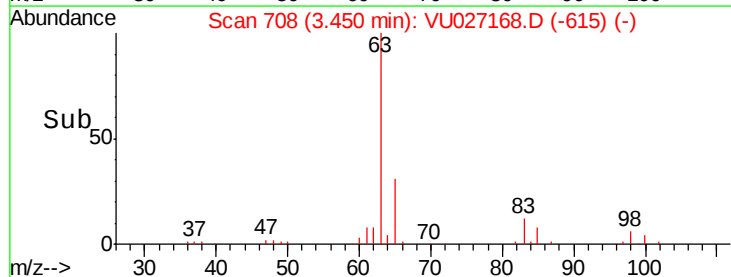
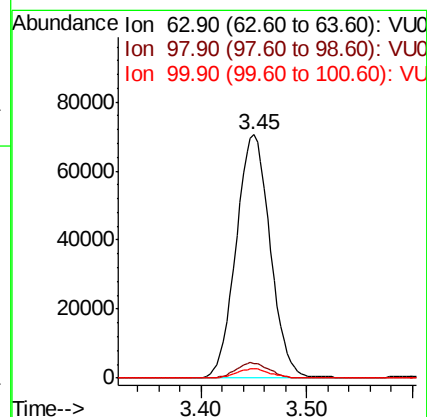
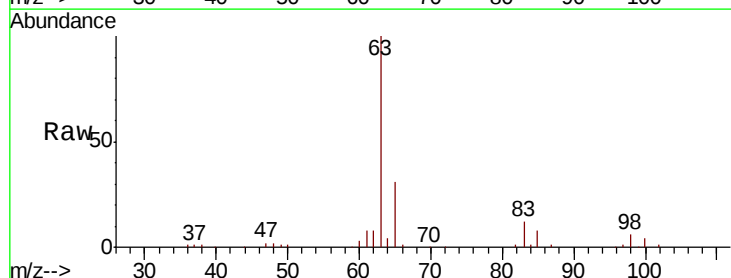
Tgt Ion: 63 Resp: 158403

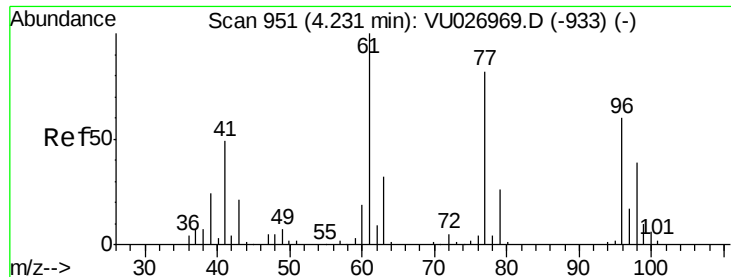
Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.8

100 3.8 2.0 5.8



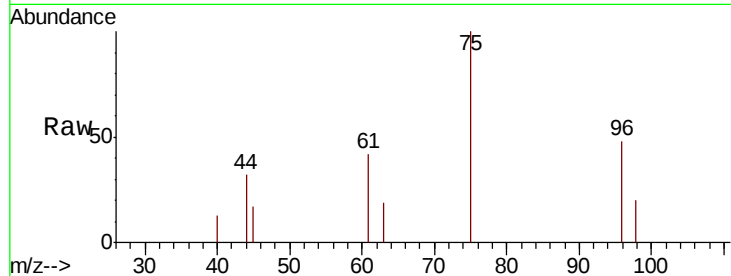


#27

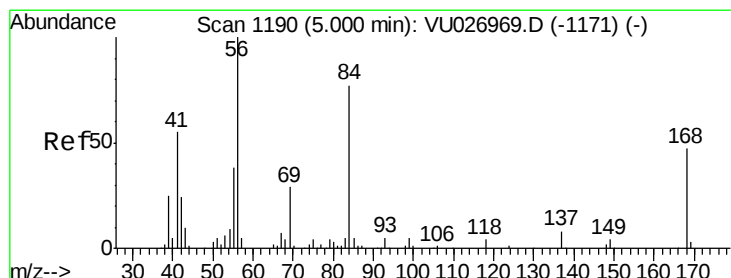
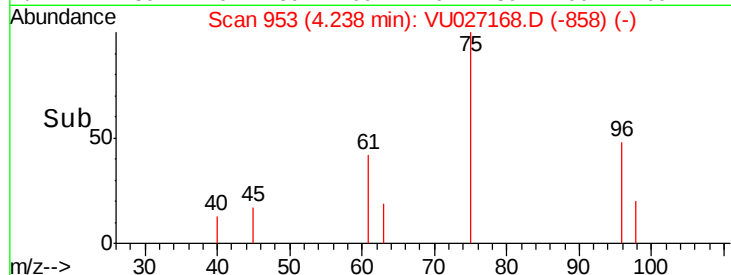
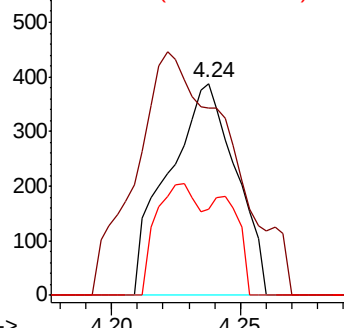
cis-1,2-Dichloroethene
 Concen: 0.438 ug/l
 RT: 4.24 min Scan# 953
 Delta R.T. 0.01 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916DL

Tgt Ion: 96 Resp: 709
 Ion Ratio Lower Upper
 96 100
 61 160.6 0.0 337.2
 98 33.0 0.0 127.6



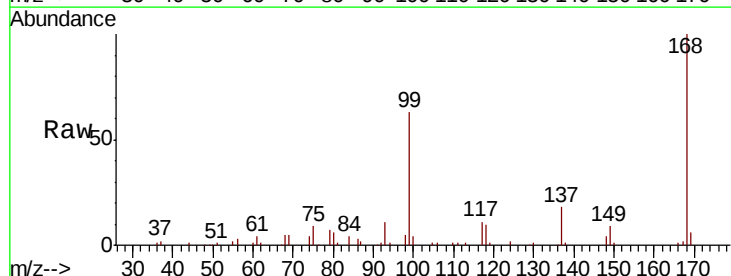
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



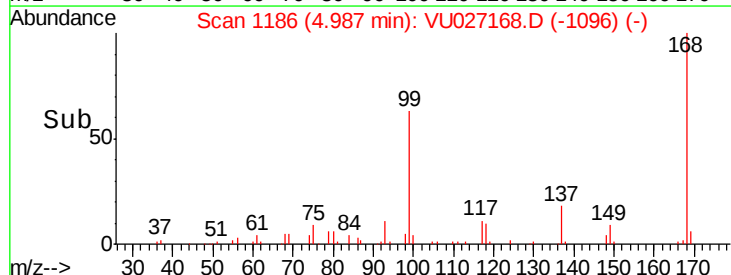
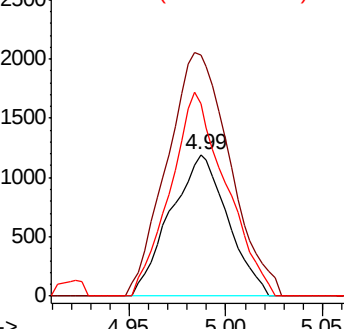
#31

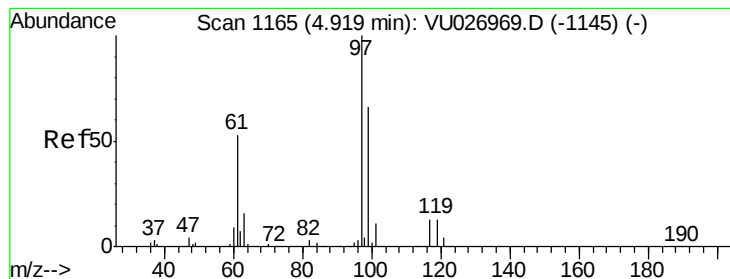
Cyclohexane
 Concen: 0.271 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Tgt Ion: 56 Resp: 2458
 Ion Ratio Lower Upper
 56 100
 69 169.9 23.0 34.4#
 84 136.2 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





#32

1,1,1-Trichloroethane

Concen: 5.773 ug/l

RT: 4.92 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU027168.D

Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ171I-20180916DL

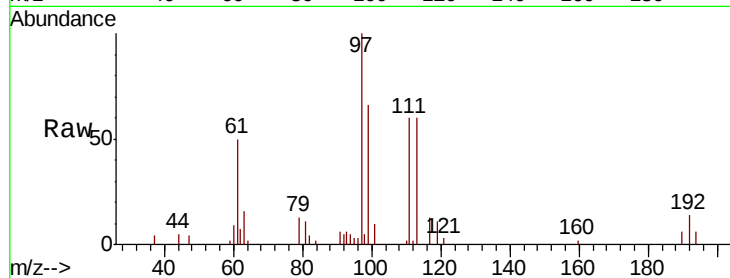
Tgt Ion: 97 Resp: 13723

Ion Ratio Lower Upper

97 100

99 62.2 51.8 77.6

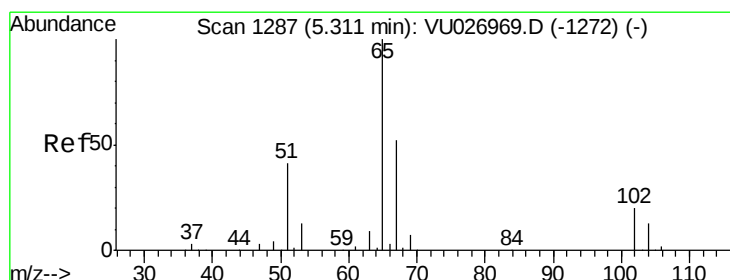
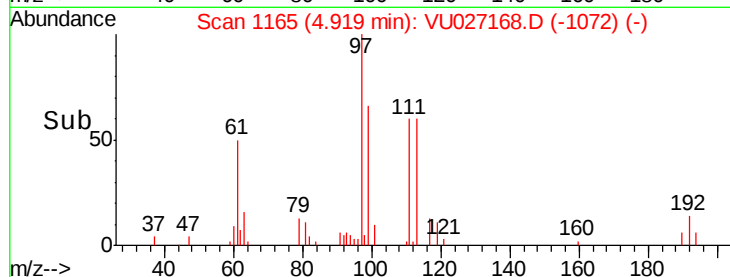
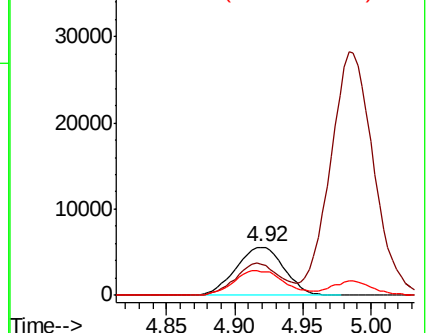
61 54.2 41.1 61.7



Abundance Ion 96.90 (96.60 to 97.60): VU027168.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU027168.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU027168.D (-1145) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.237 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027168.D

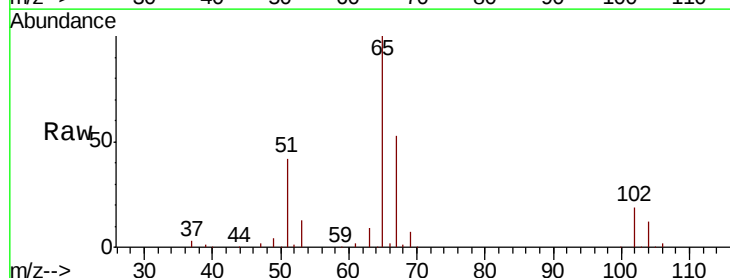
Acq: 26 Sep 2018 11:33

Tgt Ion: 65 Resp: 102188

Ion Ratio Lower Upper

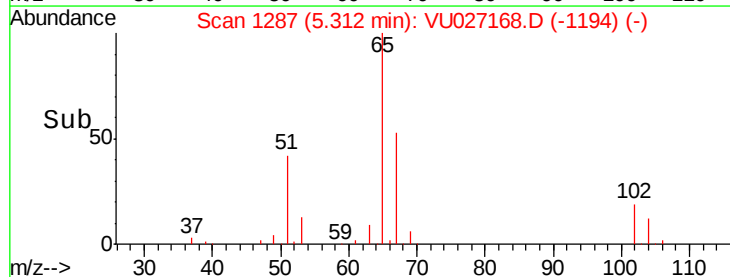
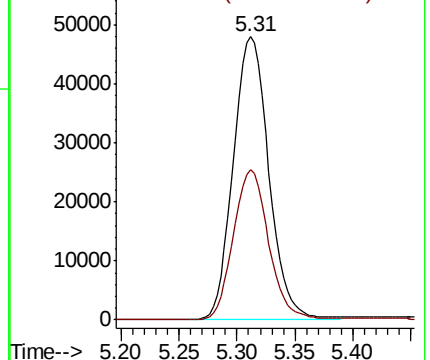
65 100

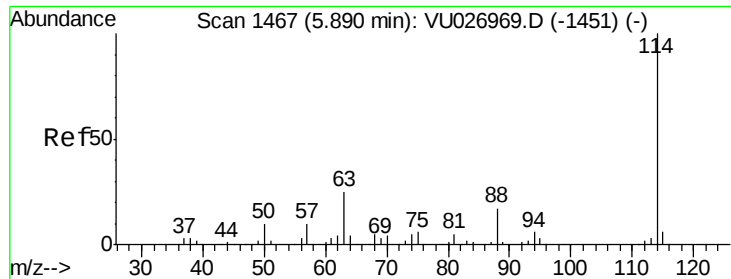
67 52.5 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU027168.D (-1194) (-)

Ion 66.90 (66.60 to 67.60): VU027168.D (-1194) (-)

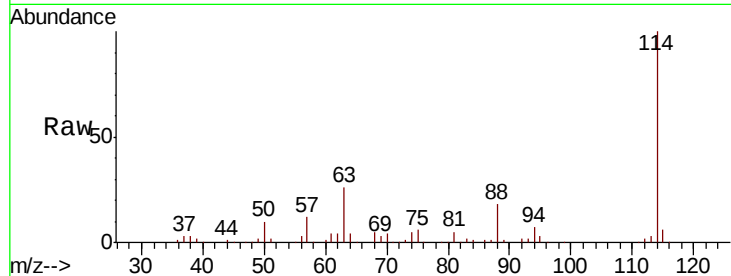




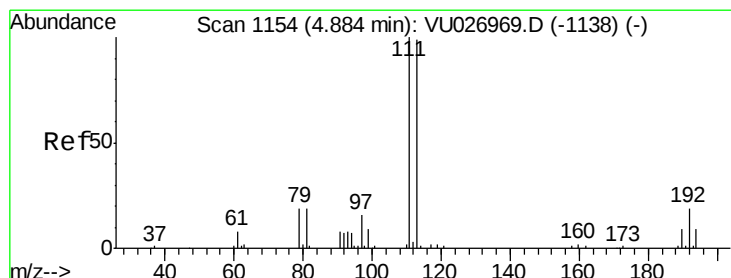
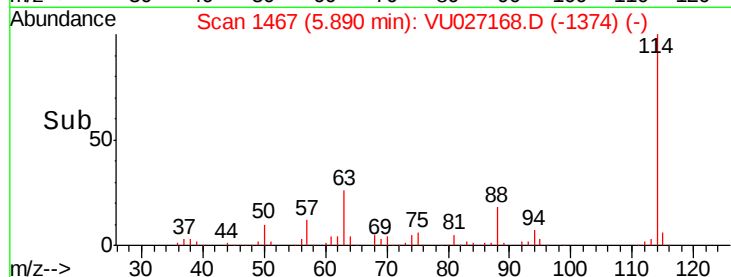
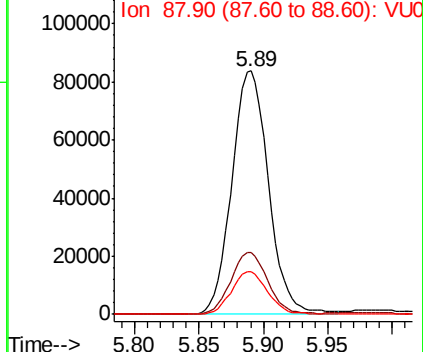
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916DL

Tgt Ion:114 Resp: 166143
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 49.2
 88 17.6 0.0 33.8

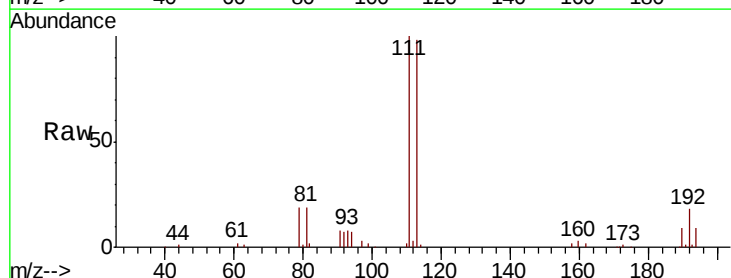


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

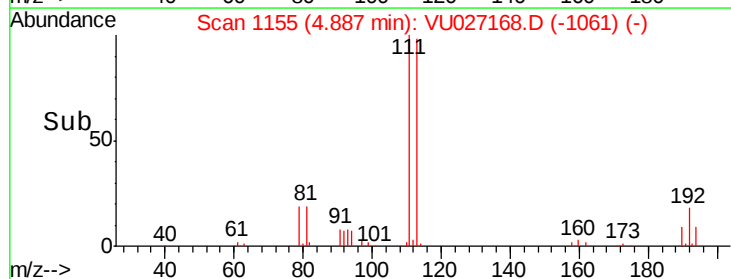
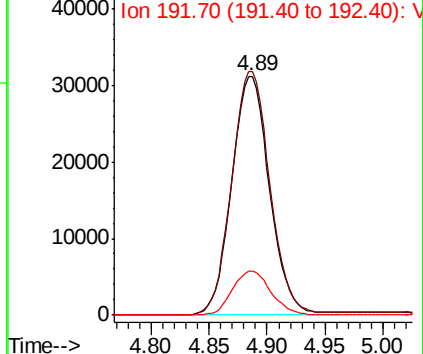


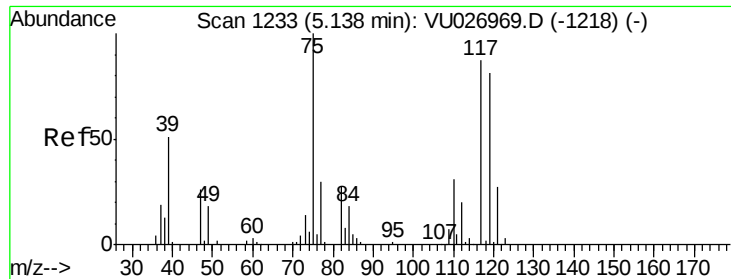
#35
 Dibromofluoromethane
 Concen: 49.218 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Tgt Ion:113 Resp: 70881
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.2 123.4
 192 18.5 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

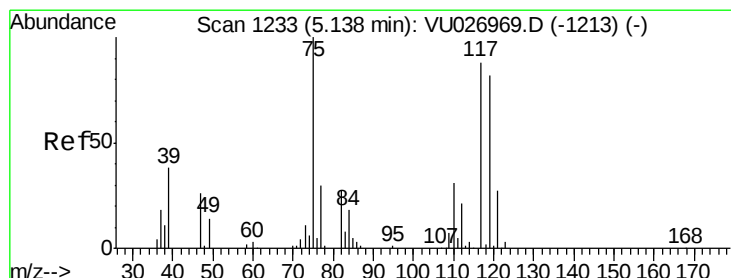
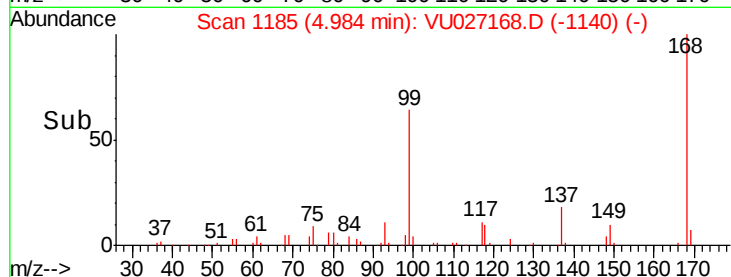
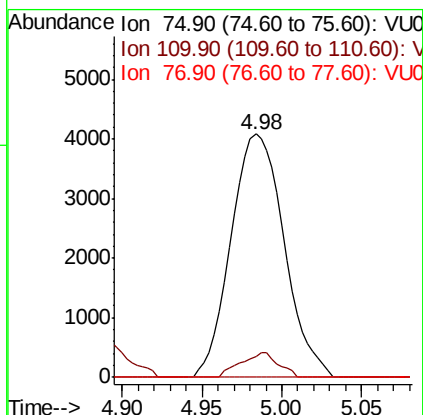
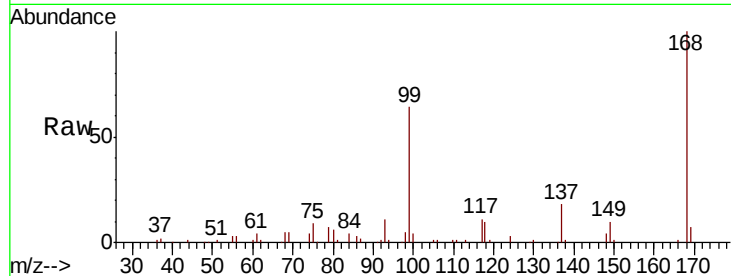




#36
 1,1-Dichloropropene
 Concen: 4.176 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

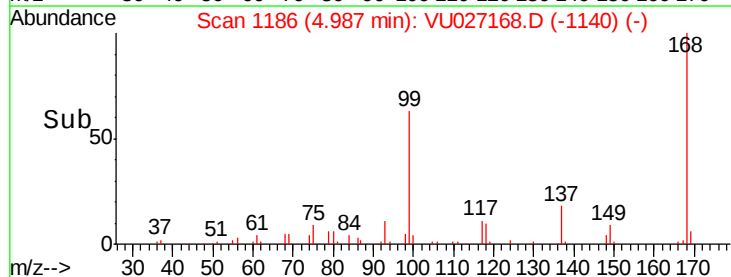
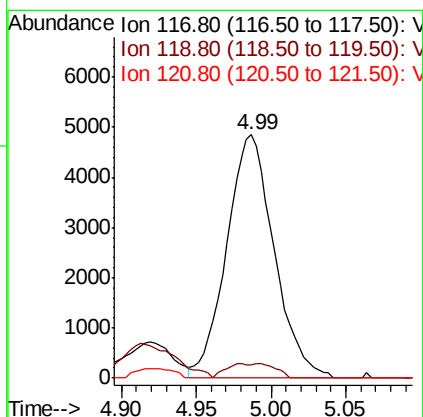
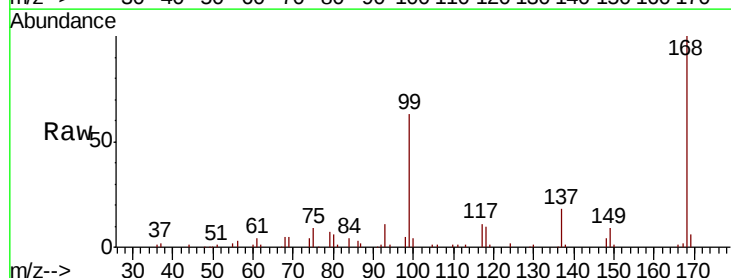
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ171I-20180916DL

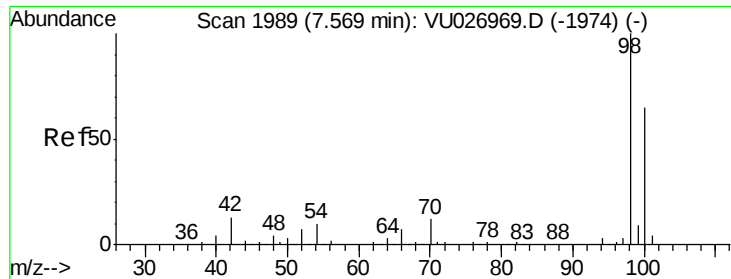
Tgt Ion: 75 Resp: 9259
 Ion Ratio Lower Upper
 75 100
 110 7.2 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.067 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Tgt Ion: 117 Resp: 10692
 Ion Ratio Lower Upper
 117 100
 119 5.6 74.4 111.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 48.383 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027168.D

Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

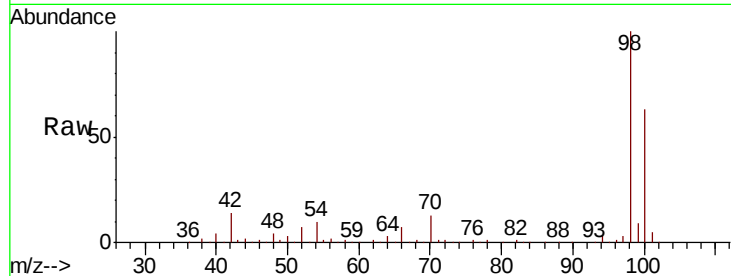
SA-PZ171I-20180916DL

Tgt Ion: 98 Resp: 265544

Ion Ratio Lower Upper

98 100

100 64.1 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

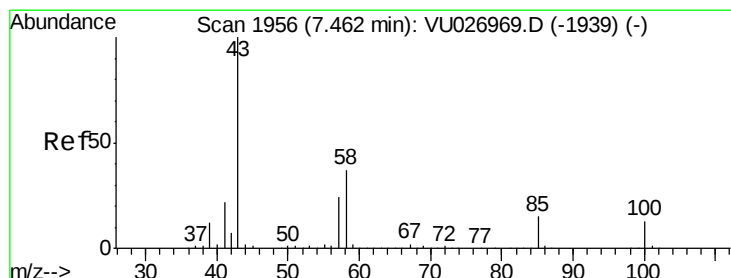
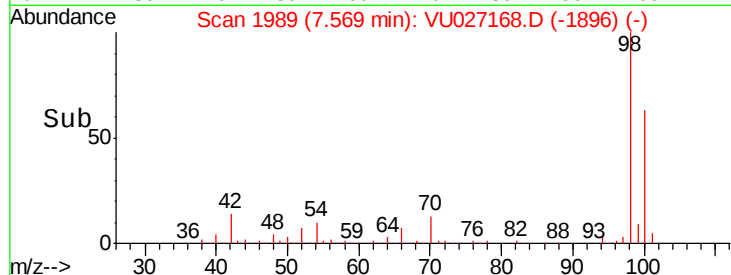
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.465 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027168.D

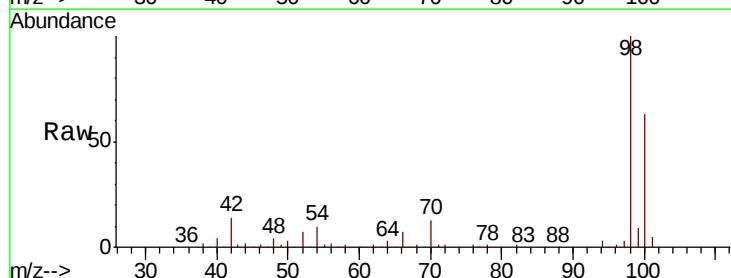
Acq: 26 Sep 2018 11:33

Tgt Ion: 43 Resp: 1370

Ion Ratio Lower Upper

43 100

58 188.4 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) (-)

7.57

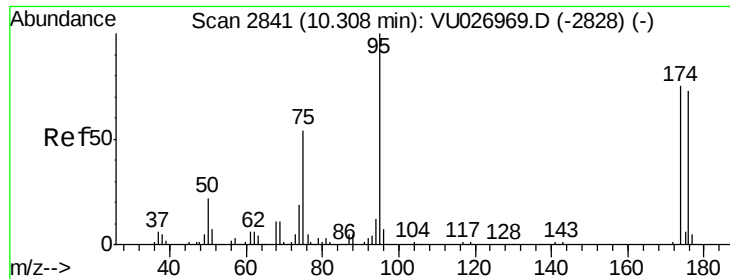
1500

1000

500

0

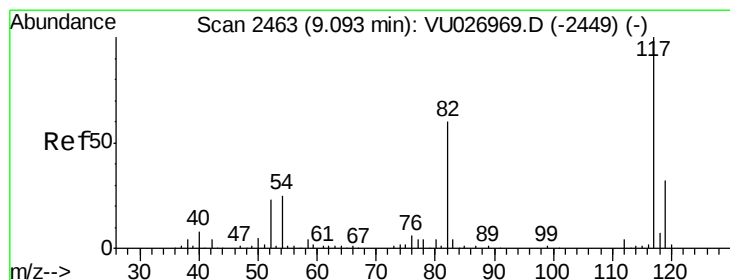
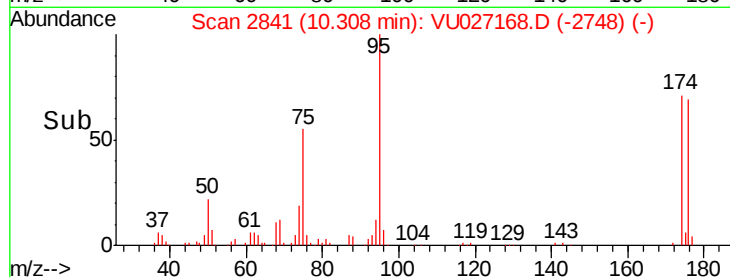
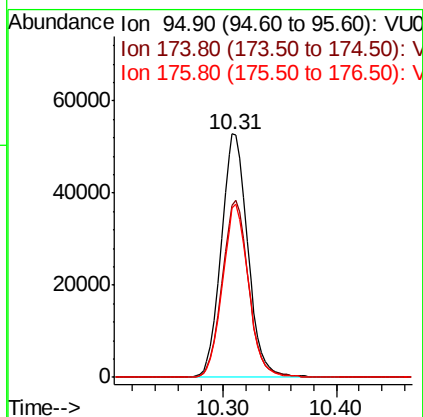
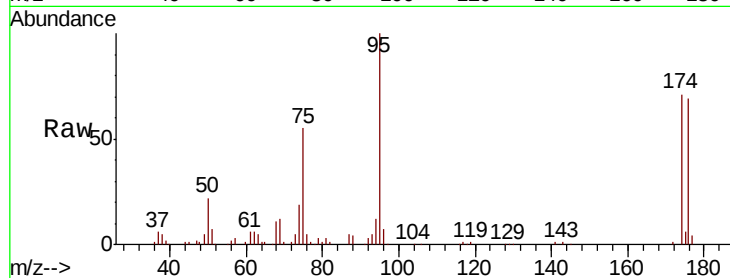
7.55 7.57 7.59 7.61 7.63 7.65 7.67 7.69 7.71 7.73 7.75 7.77 7.79 7.81 7.83 7.85 7.87 7.89 7.91 7.93 7.95 7.97 7.99 8.01 8.03 8.05 8.07 8.09 8.11 8.13 8.15 8.17 8.19 8.21 8.23 8.25 8.27 8.29 8.31 8.33 8.35 8.37 8.39 8.41 8.43 8.45 8.47 8.49 8.51 8.53 8.55 8.57 8.59 8.61 8.63 8.65 8.67 8.69 8.71 8.73 8.75 8.77 8.79 8.81 8.83 8.85 8.87 8.89 8.91 8.93 8.95 8.97 8.99 9.01 9.03 9.05 9.07 9.09 9.11 9.13 9.15 9.17 9.19 9.21 9.23 9.25 9.27 9.29 9.31 9.33 9.35 9.37 9.39 9.41 9.43 9.45 9.47 9.49 9.51 9.53 9.55 9.57 9.59 9.61 9.63 9.65 9.67 9.69 9.71 9.73 9.75 9.77 9.79 9.81 9.83 9.85 9.87 9.89 9.91 9.93 9.95 9.97 9.99 10.01 10.03 10.05 10.07 10.09 10.11 10.13 10.15 10.17 10.19 10.21 10.23 10.25 10.27 10.29 10.31 10.33 10.35 10.37 10.39 10.41 10.43 10.45 10.47 10.49 10.51 10.53 10.55 10.57 10.59 10.61 10.63 10.65 10.67 10.69 10.71 10.73 10.75 10.77 10.79 10.81 10.83 10.85 10.87 10.89 10.91 10.93 10.95 10.97 10.99 11.01 11.03 11.05 11.07 11.09 11.11 11.13 11.15 11.17 11.19 11.21 11.23 11.25 11.27 11.29 11.31 11.33 11.35 11.37 11.39 11.41 11.43 11.45 11.47 11.49 11.51 11.53 11.55 11.57 11.59 11.61 11.63 11.65 11.67 11.69 11.71 11.73 11.75 11.77 11.79 11.81 11.83 11.85 11.87 11.89 11.91 11.93 11.95 11.97 11.99 12.01 12.03 12.05 12.07 12.09 12.11 12.13 12.15 12.17 12.19 12.21 12.23 12.25 12.27 12.29 12.31 12.33 12.35 12.37 12.39 12.41 12.43 12.45 12.47 12.49 12.51 12.53 12.55 12.57 12.59 12.61 12.63 12.65 12.67 12.69 12.71 12.73 12.75 12.77 12.79 12.81 12.83 12.85 12.87 12.89 12.91 12.93 12.95 12.97 12.99 13.01 13.03 13.05 13.07 13.09 13.11 13.13 13.15 13.17 13.19 13.21 13.23 13.25 13.27 13.29 13.31 13.33 13.35 13.37 13.39 13.41 13.43 13.45 13.47 13.49 13.51 13.53 13.55 13.57 13.59 13.61 13.63 13.65 13.67 13.69 13.71 13.73 13.75 13.77 13.79 13.81 13.83 13.85 13.87 13.89 13.91 13.93 13.95 13.97 13.99 14.01 14.03 14.05 14.07 14.09 14.11 14.13 14.15 14.17 14.19 14.21 14.23 14.25 14.27 14.29 14.31 14.33 14.35 14.37 14.39 14.41 14.43 14.45 14.47 14.49 14.51 14.53 14.55 14.57 14.59 14.61 14.63 14.65 14.67 14.69 14.71 14.73 14.75 14.77 14.79 14.81 14.83 14.85 14.87 14.89 14.91 14.93 14.95 14.97 14.99 15.01 15.03 15.05 15.07 15.09 15.11 15.13 15.15 15.17 15.19 15.21 15.23 15.25 15.27 15.29 15.31 15.33 15.35 15.37 15.39 15.41 15.43 15.45 15.47 15.49 15.51 15.53 15.55 15.57 15.59 15.61 15.63 15.65 15.67 15.69 15.71 15.73 15.75 15.77 15.79 15.81 15.83 15.85 15.87 15.89 15.91 15.93 15.95 15.97 15.99 16.01 16.03 16.05 16.07 16.09 16.11 16.13 16.15 16.17 16.19 16.21 16.23 16.25 16.27 16.29 16.31 16.33 16.35 16.37 16.39 16.41 16.43 16.45 16.47 16.49 16.51 16.53 16.55 16.57 16.59 16.61 16.63 16.65 16.67 16.69 16.71 16.73 16.75 16.77 16.79 16.81 16.83 16.85 16.87 16.89 16.91 16.93 16.95 16.97 16.99 17.01 17.03 17.05 17.07 17.09 17.11 17.13 17.15 17.17 17.19 17.21 17.23 17.25 17.27 17.29 17.31 17.33 17.35 17.37 17.39 17.41 17.43 17.45 17.47 17.49 17.51 17.53 17.55 17.57 17.59 17.61 17.63 17.65 17.67 17.69 17.71 17.73 17.75 17.77 17.79 17.81 17.83 17.85 17.87 17.89 17.91 17.93 17.95 17.97 17.99 18.01 18.03 18.05 18.07 18.09 18.11 18.13 18.15 18.17 18.19 18.21 18.23 18.25 18.27 18.29 18.31 18.33 18.35 18.37 18.39 18.41 18.43 18.45 18.47 18.49 18.51 18.53 18.55 18.57 18.59 18.61 18.63 18.65 18.67 18.69 18.71 18.73 18.75 18.77 18.79 18.81 18.83 18.85 18.87 18.89 18.91 18.93 18.95 18.97 18.99 19.01 19.03 19.05 19.07 19.09 19.11 19.13 19.15 19.17 19.19 19.21 19.23 19.25 19.27 19.29 19.31 19.33 19.35 19.37 19.39 19.41 19.43 19.45 19.47 19.49 19.51 19.53 19.55 19.57 19.59 19.61 19.63 19.65 19.67 19.69 19.71 19.73 19.75 19.77 19.79 19.81 19.83 19.85 19.87 19.89 19.91 19.93 19.95 19.97 19.99 20.01 20.03 20.05 20.07 20.09 20.11 20.13 20.15 20.17 20.19 20.21 20.23 20.25 20.27 20.29 20.31 20.33 20.35 20.37 20.39 20.41 20.43 20.45 20.47 20.49 20.51 20.53 20.55 20.57 20.59 20.61 20.63 20.65 20.67 20.69 20.71 20.73 20.75 20.77 20.79 20.81 20.83 20.85 20.87 20.89 20.91 20.93 20.95 20.97 20.99 21.01 21.03 21.05 21.07 21.09 21.11 21.13 21.15 21.17 21.19 21.21 21.23 21.25 21.27 21.29 21.31 21.33 21.35 21.37 21.39 21.41 21.43 21.45 21.47 21.49 21.51 21.53 21.55 21.57 21.59 21.61 21.63 21.65 21.67 21.69 21.71 21.73 21.75 21.77 21.79 21.81 21.83 21.85 21.87 21.89 21.91 21.93 21.95 21.97 21.99 22.01 22.03 22.05 22.07 22.09 22.11 22.13 22.15 22.17 22.19 22.21 22.23 22.25 22.27 22.29 22.31 22.33 22.35 22.37 22.39 22.41 22.43 22.45 22.47 22.49 22.51 22.53 22.55 22.57 22.59 22.61 22.63 22.65 22.67 22.69 22.71 22.73 22.75 22.77 22.79 22.81 22.83 22.85 22.87 22.89 22.91 22.93 22.95 22.97 22.99 23.01 23.03 23.05 23.07 23.09 23.11 23.13 23.15 23.17 23.19 23.21 23.23 23.25 23.27 23.29 23.31 23.33 23.35 23.37 23.39 23.41 23.43 23.45 23.47 23.49 23.51 23.53 23.55 23.57 23.59 23.61 23.63 23.65 23.67 23.69 23.71 23.73 23.75 23.77 23.79 23.81 23.83 23.85 23.87 23.89 23.91 23.93 23.95 23.97 23.99 24.01 24.03 24.05 24.07 24.09 24.11 24.13 24.15 24.17 24.19 24.21 24.23 24.25 24.27 24.29 24.31 24.33 24.35 24.37 24.39 24.41 24.43 24.45 24.47 24.49 24.51 24.53 24.55 24.57 24.59 24.61 24.63 24.65 24.67 24.69 24.71 24.73 24.75 24.77 24.79 24.81 24.83 24.85 24.87 24.89 24.91 24.93 24.95 24.97 24.99 25.01 25.03 25.05 25.07 25.09 25.11 25.13 25.15 25.17 25.19 25.21 25.23 25.25 25.27 25.29 25.31 25.33 25.35 25.37 25.39 25.41 25.43 25.45 25.47 25.49 25.51 25.53 25.55 25.57 25.59 25.61 25.63 25.65 25.67 25.69 25.71 25.73 25.75 25.77 25.79 25.81 25.83 25.85 25.87 25.89 25.91 25.93 25.95 25.97 25.99 26.01 26.03 26.05 26.07 26.09 26.11 26.13 26.15 26.17 26.19 26.21 26.23 26.25 26.27 26.29 26.31 26.33 26.35 26.37 26.39 26.41 26.43 26.45 26.47 26.49 26.51 26.53 26.55 26.57 26.59 26.61 26.63 26.65 26.67 26.69 26.71 26.73 26.75 26.77 26.79 26.81 26.83 26.85 26.87 26.89 26.91 26.93 26.95 26.97 26.99 27.01 27.03 27.05 27.07 27.09 27.11 27.13 27.15 27.17 27.19 27.21 27.23 27.25 27.27 27.29 27.31 27.33 27.35 27.37 27.39 27.41 27.43 27.45 27.47 27.49 27.51 27.53 27.55 27.57 27.59 27.61 27.63 27.65 27.67 27.69 27.71 27.73 27.75 27.77 27.79 27.81 27.83 27.85 27.87 27.89 27.91 27.93 27.95 27.97 27.99 28.01 28.03 28.05 28.07 28.09 28.11 28.13 28.15 28.17 28.19 28.21 28.23 28.25 28.27 28.29 28.31 28.33 28.35 28.37 28.39 28.41 28.43 28.45 28.47 28.49 28.51 28.53 28.55 28.57 28.59 28.61 28.63 28.65 28.67 28.69 28.71 28.73 28.75 28.77 28.79 28.81 28.83 28.85 28.87 28.89 28.91 28.93 28.95 28.97 28.99 29.01 29.03 29.05 29.07 29.09 29.11 29.13 29.15 29.17 29.19 29.21 29.23 29.25 29.27 29.29 29.31 29.33 29.35 29.37 29.39 29.41 29.43 29.45 29.47 29.49 29.51 29.53 29.55 29.57 29.59 29.61 29.63 29.65 29.67 29.69 29.71 29.73 29.75 29.77 29.79 29.81 29.83 29.85 29.87 29.89 29.91 29.93 29.95 29.97 29.99 30.01 30.03 30.05 30.07 30.09 30.11 30.13 30.15 30.17 30.19 30.21 30.23 30.25 30.27 30.29 30.31 30.33 30.35 30.37 30.39 30.41 30.43 30.45 30.47 30.49 30.51 30.53 30.55 30.57 30.59 30.61 30.63 30.65 30.67 30.69 30.71 30.73 30.75 30.77 30.79 30.81 30.83 30.85 30.87 30.89 30.91 30.93 30.95 30.97 30.99 31.01 31.03 31.05 31.07 31.09 31.11 31.13 31.15 31.17 31.19 31.21 31.23 31.25 31.27 31.29 31.31 31.33 31.35 31.37 31.39 31.41 31.43 31.45 31.47 31.49 31.51 31.53 31.55 31.57 31.59 31.61 31.63 31.65 31.67 31.69 31.71 31.73 31.75 31.77 31.79 31.81 31.83 31.85 31.87 31.89 31.91 31.93 31.95 31.97 31.99 32.01 32.03 32.05 32.07 32.09 32.11 32.13 32.15 32.17 32.19 32.21 32.23 32.25 32.27 32.29 32.31 32.33 32.35 32.37 32.39 32.41 32.43 32.45 32.47 32.49 32.51 32.53 32.55 32.57 32.59 32.61 32.63 32.65 32.67 32.69 32.71 32.73 32.75 32.77 32.79 32.81 32.83 32.85 32.87 32.89 32.91 32.93 32.95 32.97 32.99 33.01 33.03 33.05 33.07 33.09 33.11 33.13 33.15 33.17 33.19 33.21 33.23 33.25 33.27 33.29 33.31 33.33 33.35 33.37 33.39 33.41 33.43 33.45 33.47 33.49 33.51 33.53 33.55 33.57 33.59 33.61 33.63 33.65 33.67 33.69 33.71 33.73 33.75 33.77 33.79 33.81 33.83 33.85 33.87 33.89 33.91 33.93 33.95 33.97 33.99 34.01 34.03 34.05 34.07 34.09 34.11 34.13 34.15 34.17 34.19 34.21 34.23 34.25 34.27 34.29 34.31 34.33 34.35 34.37 34.39 34.41 34.43 34.45 34.47 34.49 34.51 34.53 34.55 34.57 34.59 34.61 34.63 34.65 34.67 34.69 34.71 34.73 34.75 34.77 34.79 34.81 34.83 34.85 34.87 34.89 34.91 34.93 34.95 34.97 34.99 35.01 35.03 35.05 35.07 35.09 35.11 35.13 35.15 35.17 35.19 35.21 35.23 35.25 35.27 35.29 35.31 35.33 35.35 35.37 35.39 35.41 35.43 35.45 35.47 35.49 35.51 35.53 35.55 35.57 35.59 35.61 35.63 35.65 35.67 35.69 35.71 35.73 35.75 35.77 35.79 35.81 35.83 35.85 35.87 35.89 35.91 35.93 35.95 35.97 35.99 36.01 36.03 36.05 36.07 36.09 36.11 36.13 36.15 36.17 36.19 36.21 36.23 36.25 36.27 36.29 36.31 36.33 36.35 36.37 36.39 36.41 36.43 36.45 36.47 36.49 36.51 36.53 36.55 36.57 36.59 36.61 36.63 36.65 36.67 36.69 36.71 36.73 36.75 36.77 36.79 36.81 36.83 36.85 36.87 36.89 36.91 36.93 36.95 36.97 36.99 37.01 37.03 37.05 37.07 37.09 37.11 37.13 37.15 37.17 37.19 37.21 37.23 37.25 37.27 37.29 37.31 37.33 37.35 37.37 37.39 37.41 37.43 37.45 37.47 37.49 37.51 37.53 37.55 37.57 37.59 37.61 37.63 37.65 37.67 37.69 37.71 37.73 37.75 37.77 37.79 37.81 37.83 37.85 37.87 37.89 37.91 37.93 37.95 37.97 37.99 38.01 38.03 38.05 38.07 38.09 38.11 38.13 38.15 38.17 38.19 38.21 38.23 38.25 38.27 38.29 38.31 38.33 38.35 38.37 38.39 38.41 38.43 38.45 38.47 38.49 38.51 38.53 38.55 38.57 38.59 38.61 38.63 38.65 38.67 38.69 38.71 38.73 38.75 38.77 38.79 38.81 38.83 38.85 38.87 38.89 38.91 38.93 38.95 38.97 38.99 39.01 39.03 39.05 39.07 39.09 39.11 39.13 39.15 39.17 39.19 39.21 39.23 39.25 39.27 39.29 39.31 39.33 39.35 39.37 39.39 39.41 39.43 39.45 39.47 39.49 39.51 39.53 39.55 39.57 39.59 39.61 39.63 39.65 39.67 39.69 39.71 39.73 3



#62
 4-Bromofluorobenzene
 Concen: 45.920 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

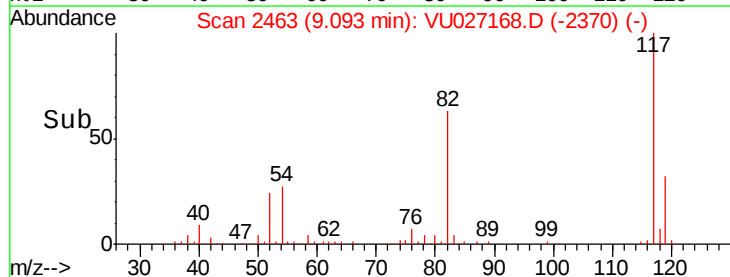
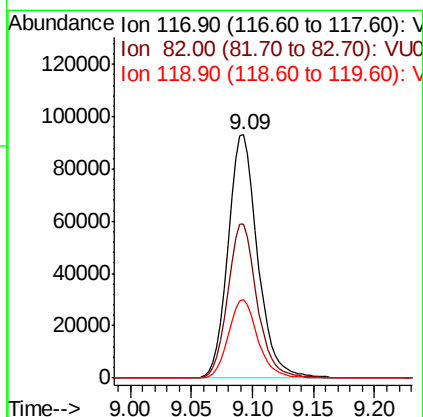
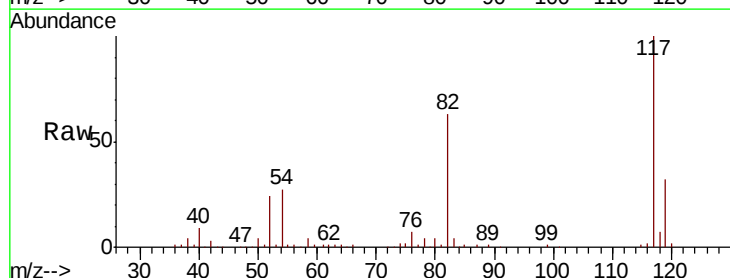
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 SA-PZ171I-20180916DL

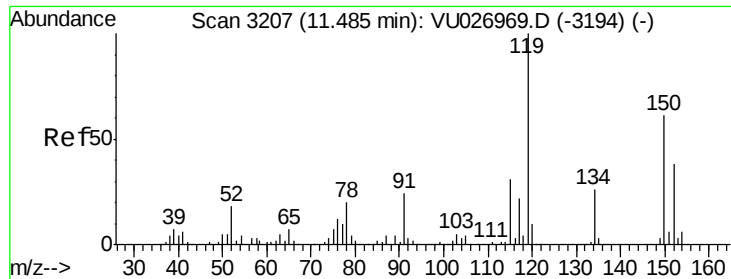
Tgt Ion: 95 Resp: 86478
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 150.2
 176 69.8 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027168.D
 Acq: 26 Sep 2018 11:33

Tgt Ion: 117 Resp: 158408
 Ion Ratio Lower Upper
 117 100
 82 63.4 48.0 72.0
 119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027168.D

Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ171I-20180916DL

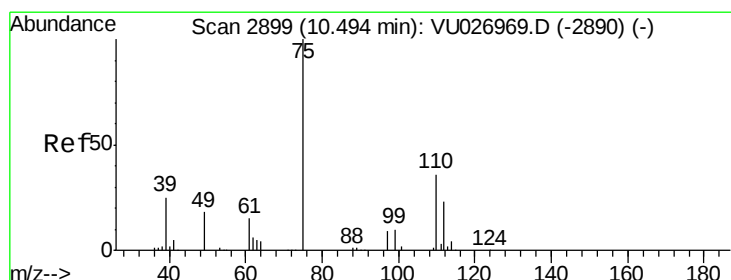
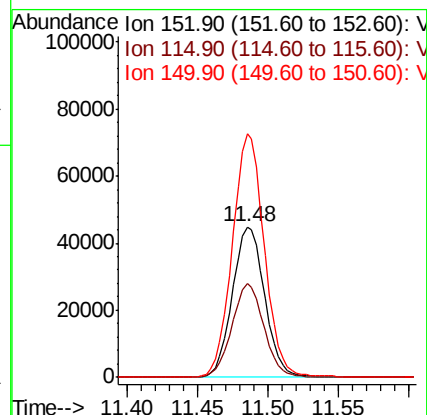
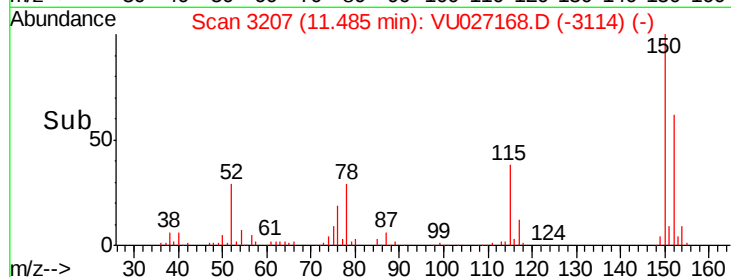
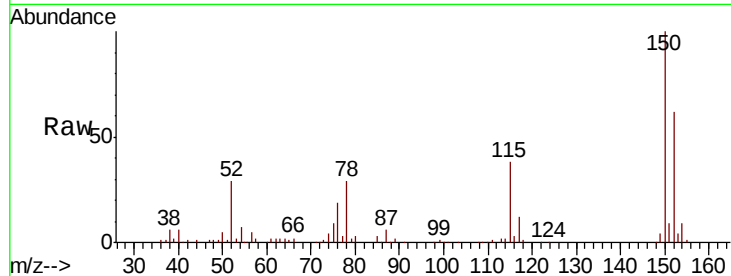
Tgt Ion:152 Resp: 71870

Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

150 159.8 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 21.739 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027168.D

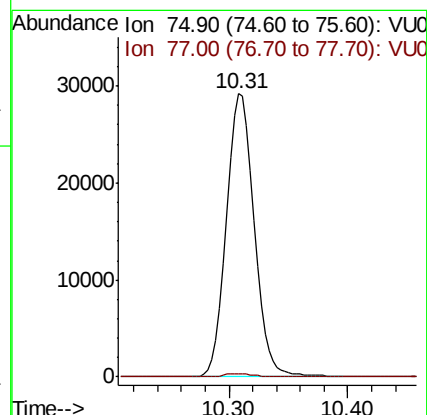
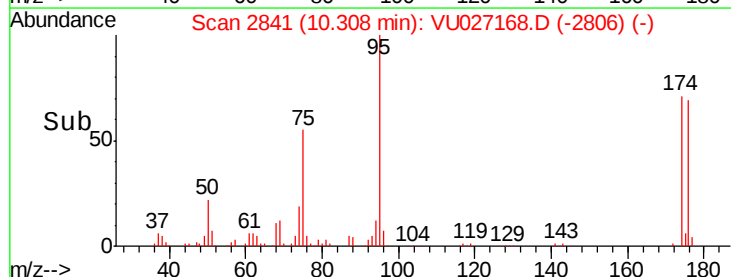
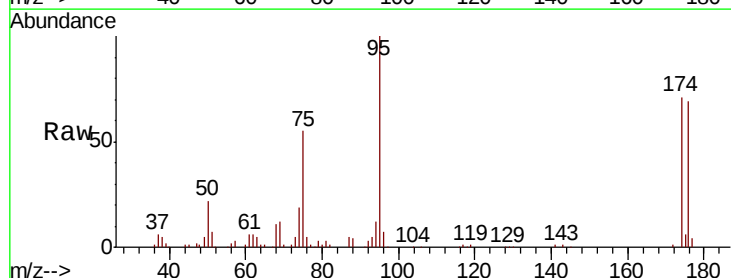
Acq: 26 Sep 2018 11:33

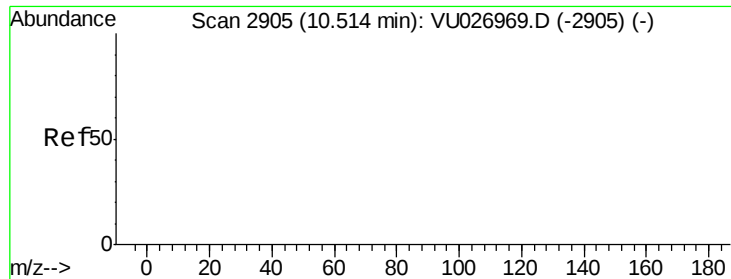
Tgt Ion: 75 Resp: 47465

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.8#

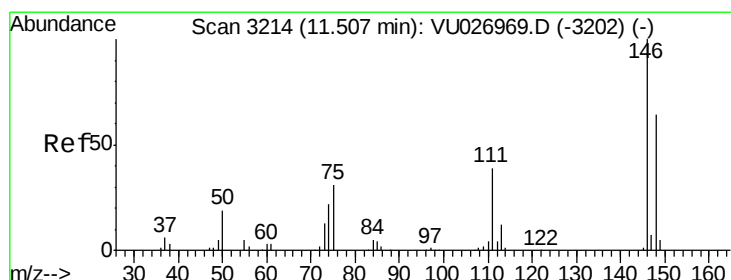
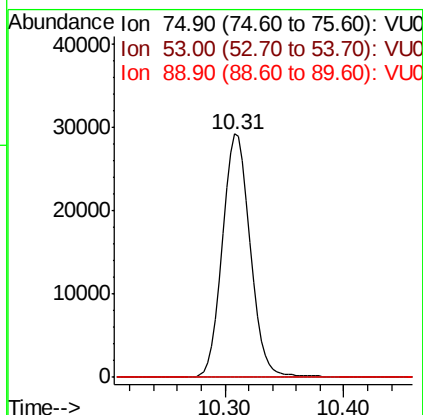
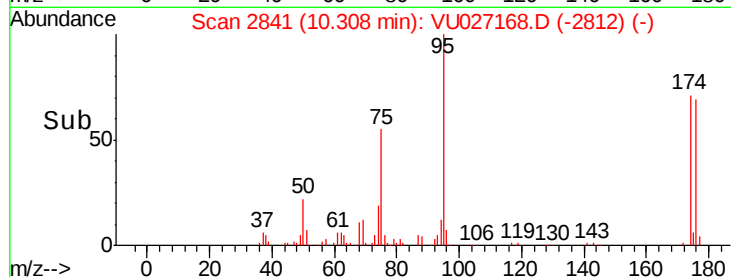
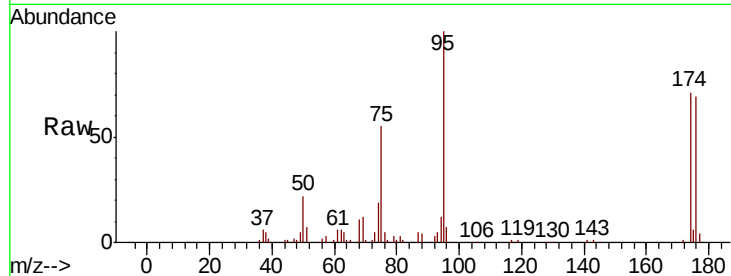




#81
trans-1,4-Dichloro-2-butene
Concen: 69.569 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027168.D
Acq: 26 Sep 2018 11:33

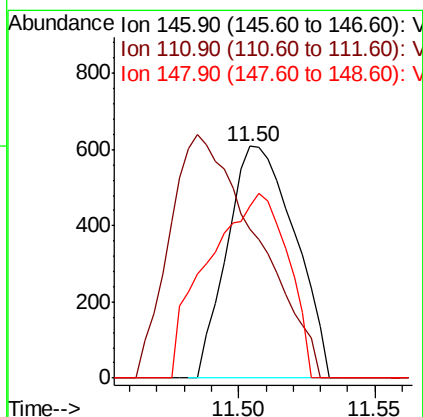
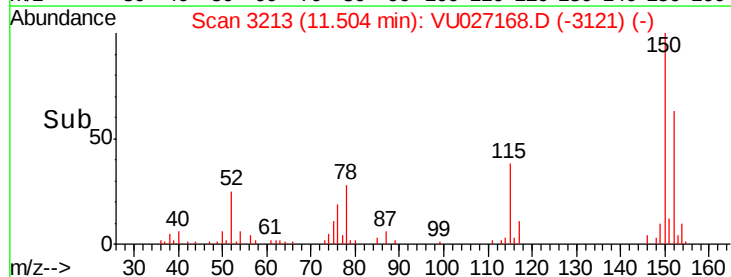
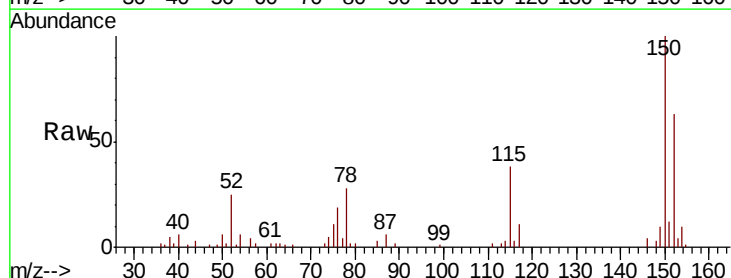
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ171I-20180916DL

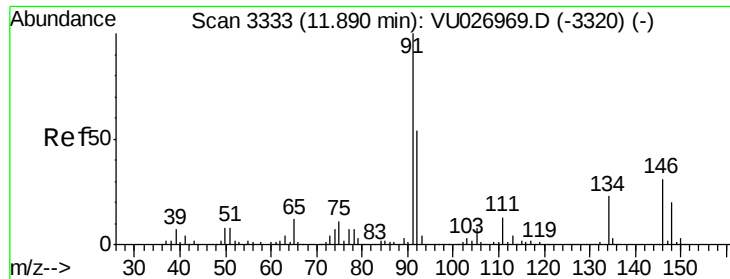
Tgt Ion: 75 Resp: 47465
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0#



#88
1,4-Dichlorobenzene
Concen: 0.386 ug/l
RT: 11.50 min Scan# 3213
Delta R.T. -0.00 min
Lab File: VU027168.D
Acq: 26 Sep 2018 11:33

Tgt Ion: 146 Resp: 1047
Ion Ratio Lower Upper
146 100
111 0.0 20.3 60.9#
148 94.0 31.9 95.9





#89

n-Butylbenzene

Concen: 2.433 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027168.D

Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ171I-20180916DL

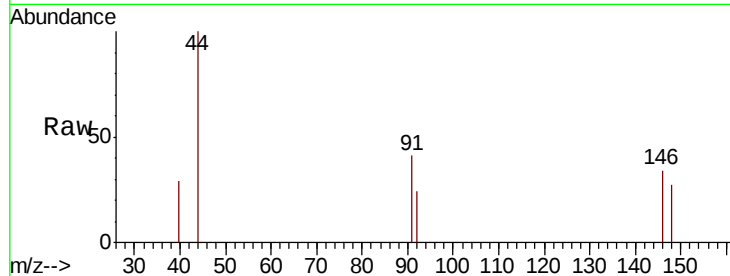
Tgt Ion: 91 Resp: 211

Ion Ratio Lower Upper

91 100

92 21.3 27.1 81.2#

134 0.0 11.7 35.0#

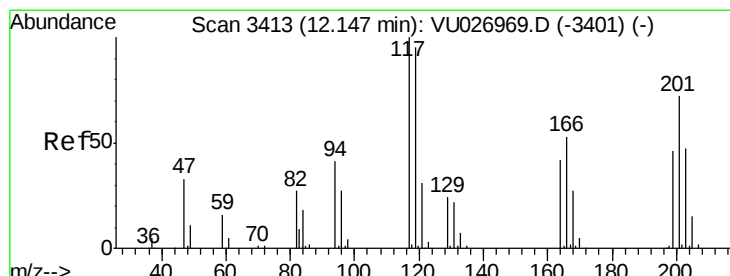
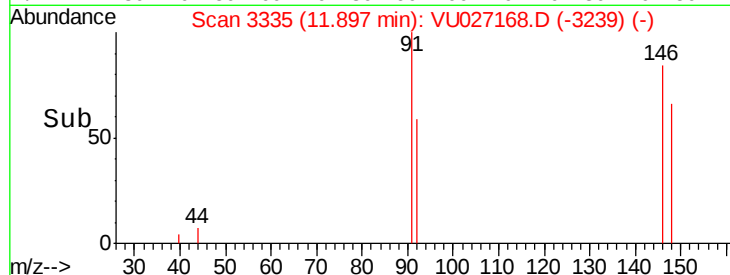
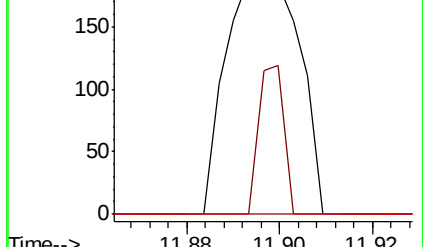


Abundance Ion 91.00 (90.70 to 91.70): VU026969.D (-3320) (-)

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

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

Time-->



#90

Hexachloroethane

Concen: 0.519 ug/l

RT: 12.36 min Scan# 3479

Delta R.T. 0.21 min

Lab File: VU027168.D

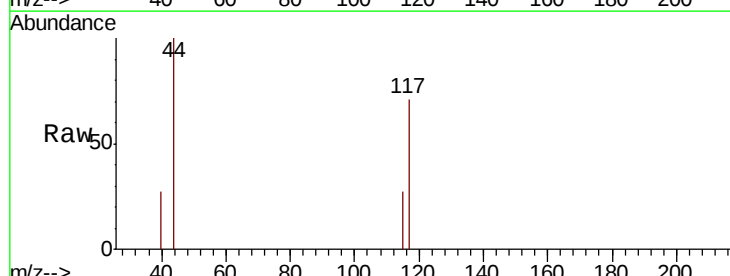
Acq: 26 Sep 2018 11:33

Tgt Ion: 117 Resp: 514

Ion Ratio Lower Upper

117 100

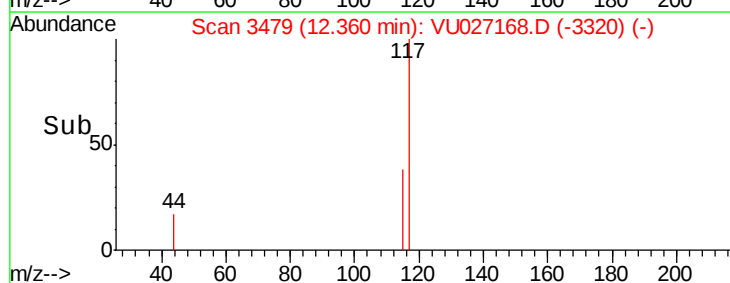
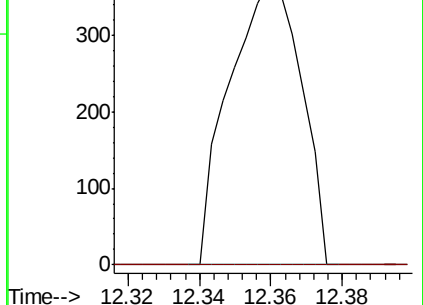
201 0.0 36.8 110.3#

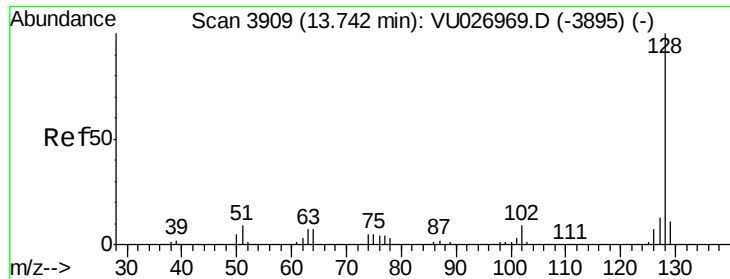


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-3401) (-)

Ion 200.70 (200.40 to 201.40): VU026969.D (-3401) (-)

Time-->





#95

Naphthalene

Concen: 1.736 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.01 min

Lab File: VU027168.D

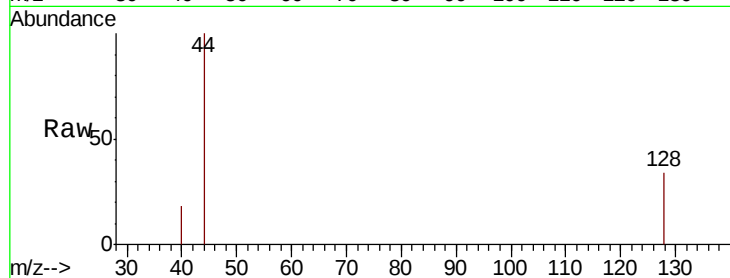
Acq: 26 Sep 2018 11:33

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ171I-20180916DL



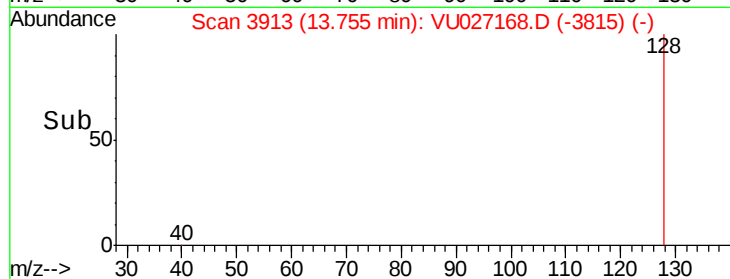
Tgt Ion:128 Resp: 292

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

