

Data File : VU027005.D
Acq On : 22 Sep 2018 08:28
Operator : MD/SY
Sample : J4934-23
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ157I-20180913

Quant Time: Sep 24 02:46:16 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	4.98	168	70503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142296	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	87149	61.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.84%	
35) Dibromofluoromethane	4.89	113	64181	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
50) Toluene-d8	7.57	98	233945	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	10.31	95	79190	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.84	59	614	1.888	ug/l #	72
14) Allyl chloride	2.44	41	3672	1.859	ug/l #	66
16) Acetone	2.32	43	2742	Below Cal		94
18) Methyl Acetate	2.44	43	9676	4.791	ug/l #	55
20) Methylene Chloride	2.70	84	626	0.493	ug/l	82
24) 1,1-Dichloroethane	3.45	63	1088	0.468	ug/l #	84
31) Cyclohexane	4.99	56	1891	0.323	ug/l #	12
36) 1,1-Dichloropropene	4.99	75	6825	3.594	ug/l #	50
38) Carbon Tetrachloride	4.98	117	7463	4.129	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1100	0.436	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	41965	19.718	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	41965	63.100	ug/l #	100
87) 1,3-Dichlorobenzene	11.51	146	494	0.204	ug/l #	24

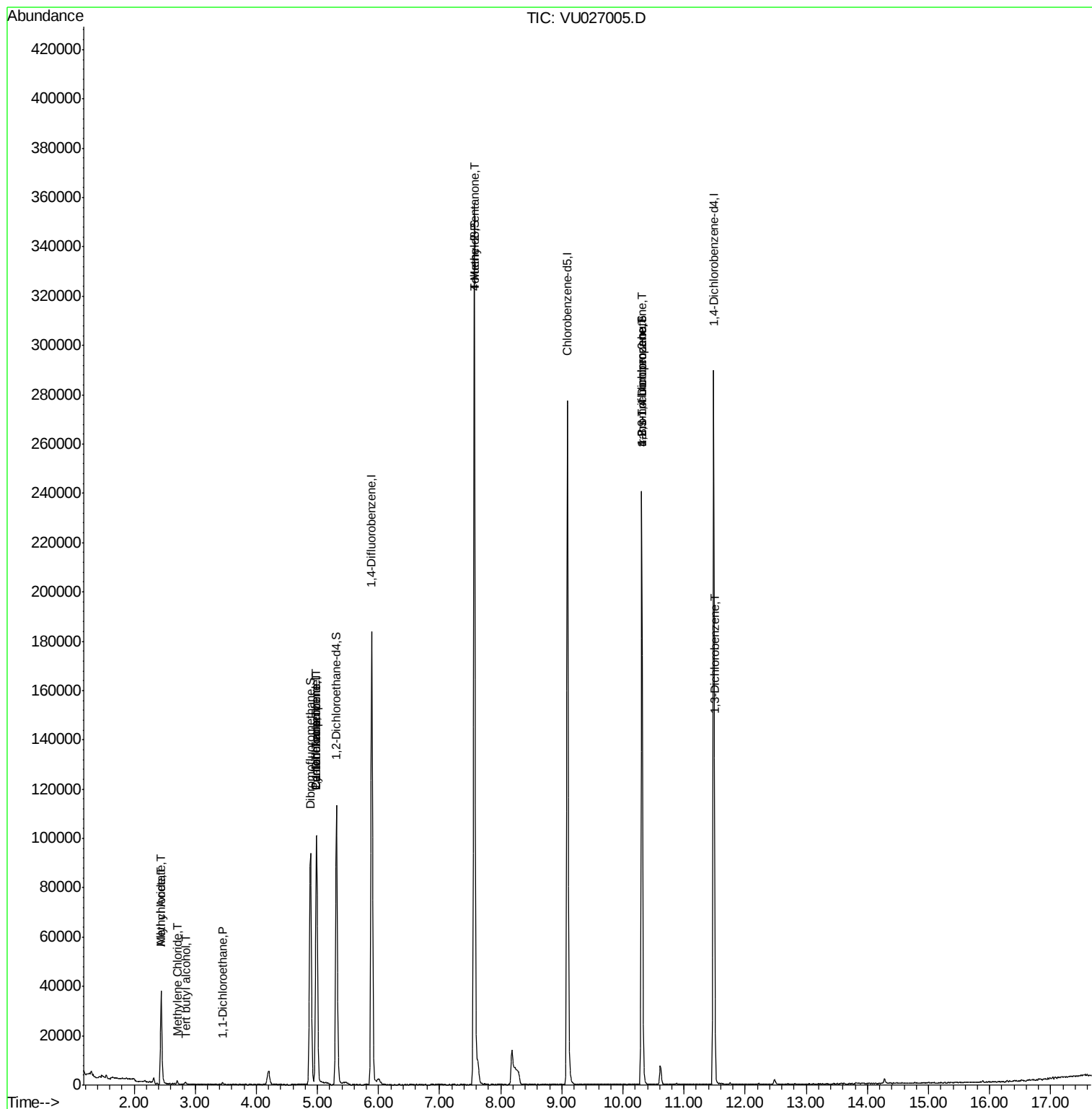
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

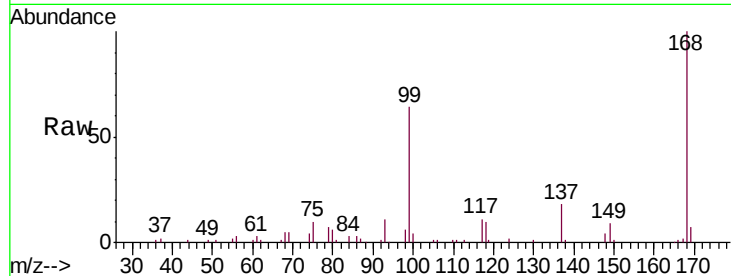
SA-PZ157I-20180913

Tgt Ion:168 Resp: 70503

Ion Ratio Lower Upper

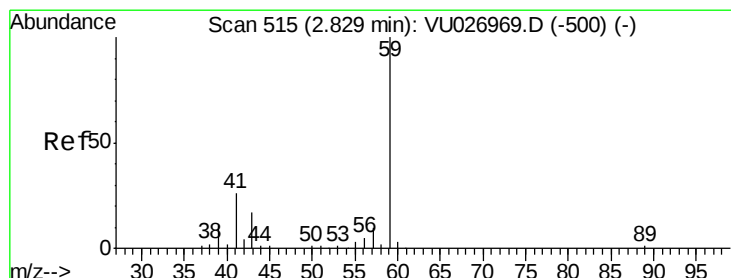
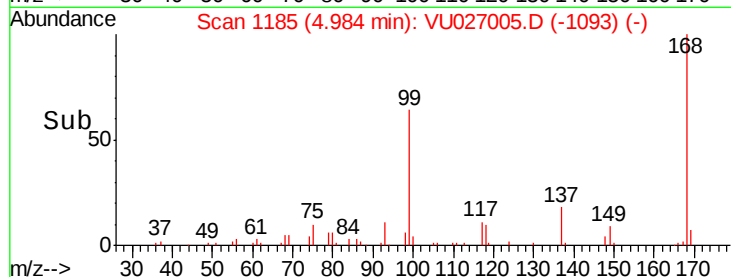
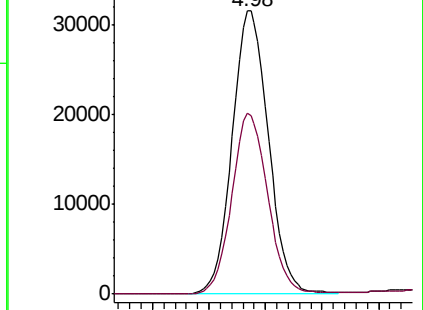
168 100

99 63.9 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) (-)



#11

Tert butyl alcohol

Concen: 1.888 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027005.D

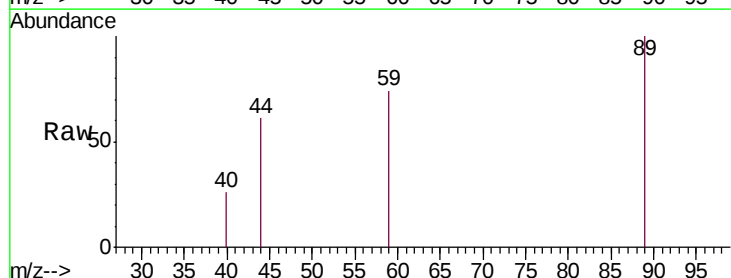
Acq: 22 Sep 2018 08:28

Tgt Ion: 59 Resp: 614

Ion Ratio Lower Upper

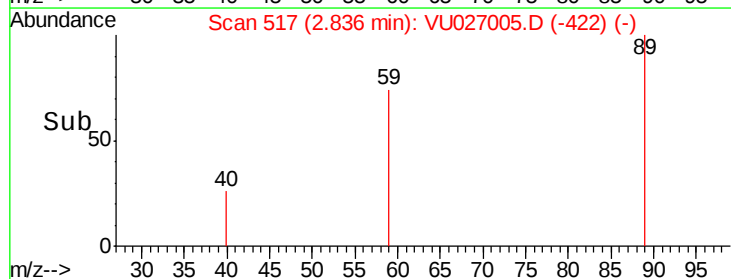
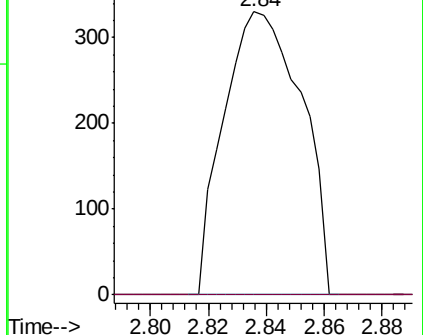
59 100

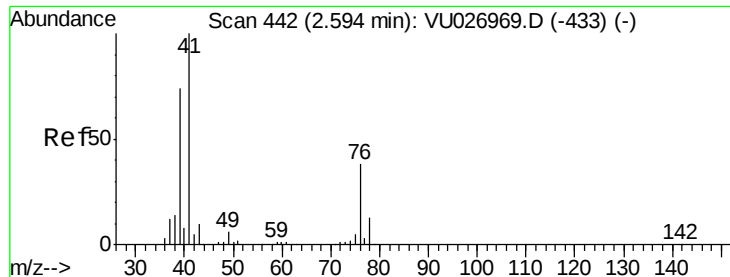
57 0.0 8.5 12.7#



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

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





#14

Allyl chloride

Concen: 1.859 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.15 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ157I-20180913

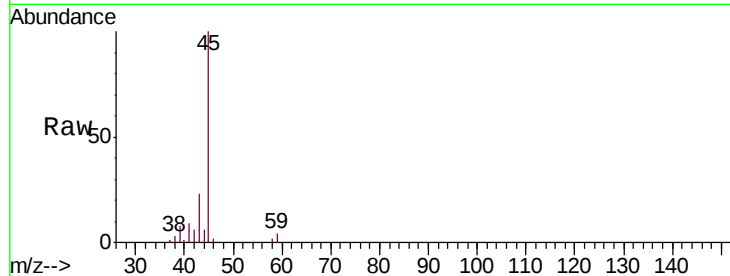
Tgt Ion: 41 Resp: 3672

Ion Ratio Lower Upper

41 100

39 88.3 55.7 83.5#

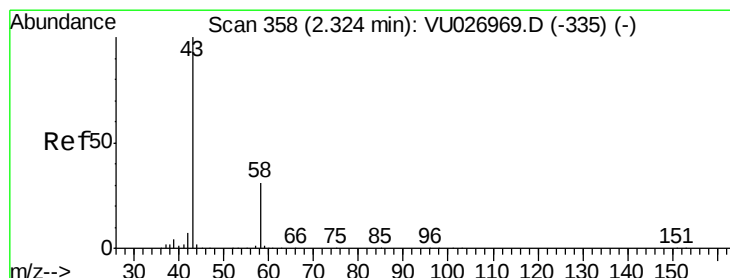
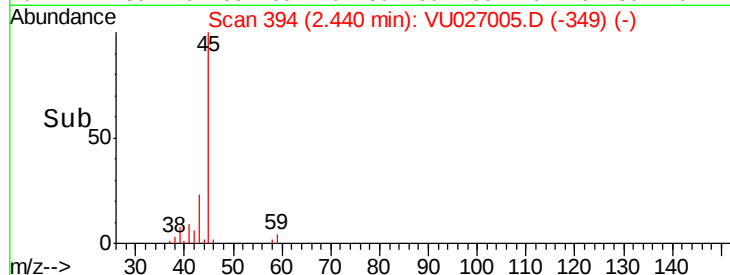
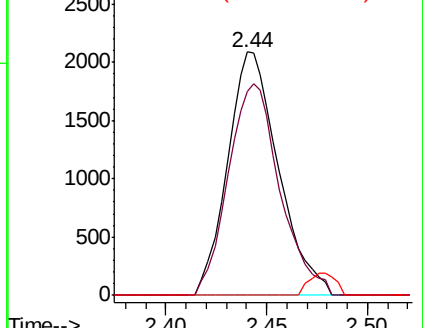
76 0.0 26.5 39.7#



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: VU027005.D

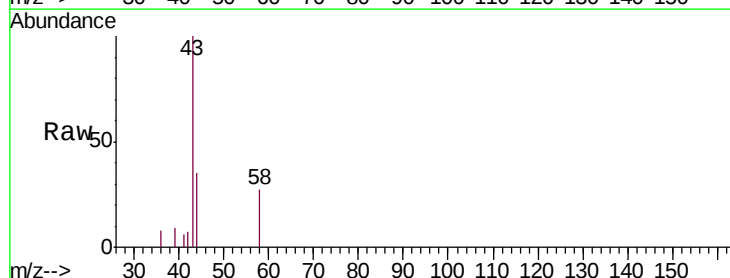
Acq: 22 Sep 2018 08:28

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

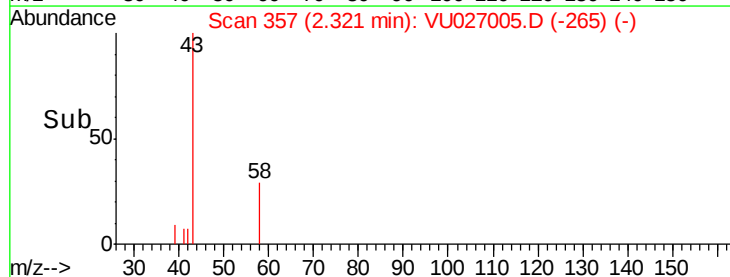
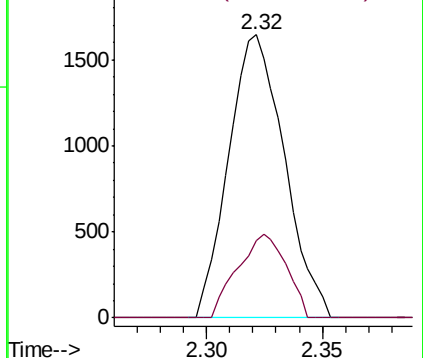
43 100

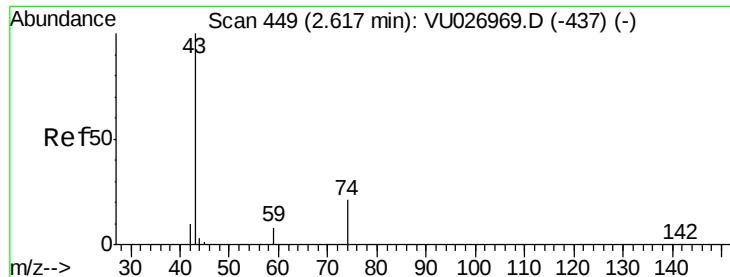
58 27.2 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

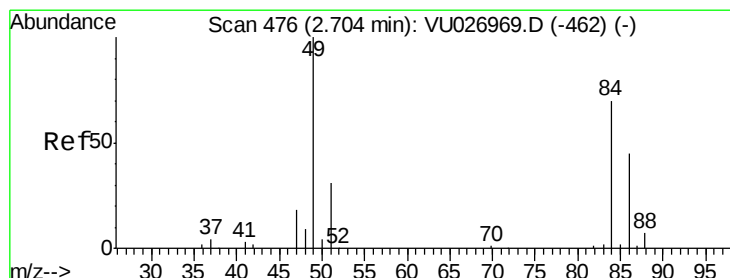
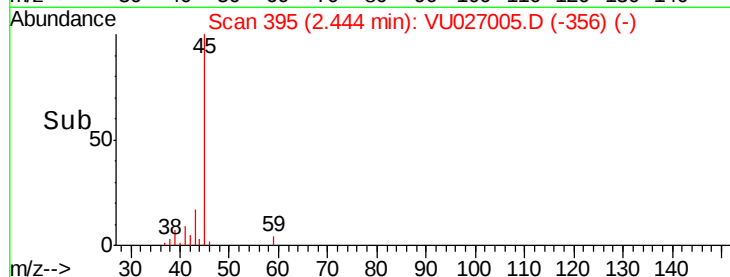
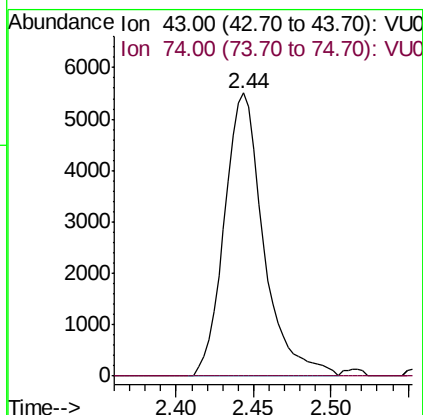
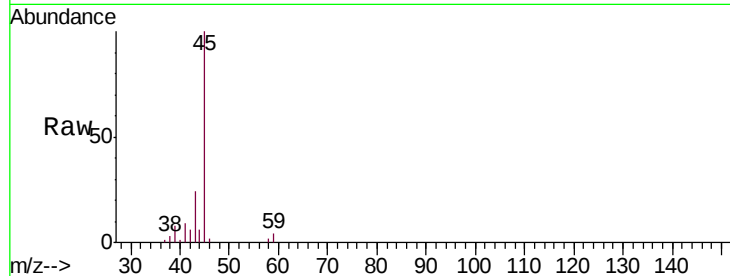




#18
Methyl Acetate
Concen: 4.791 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027005.D
Acq: 22 Sep 2018 08:28

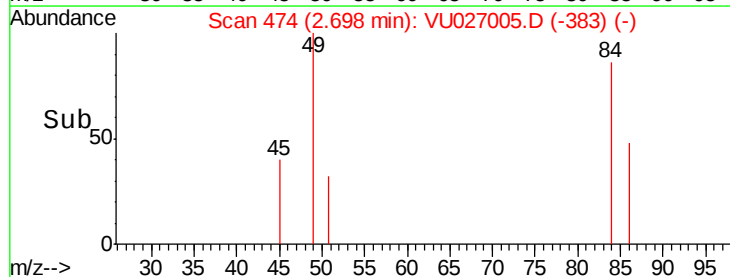
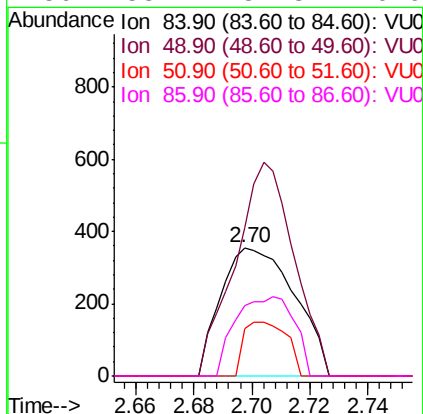
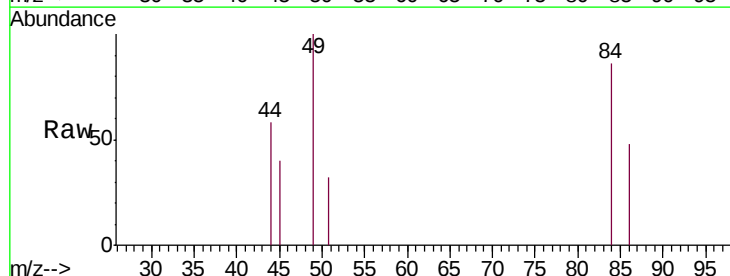
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ157I-20180913

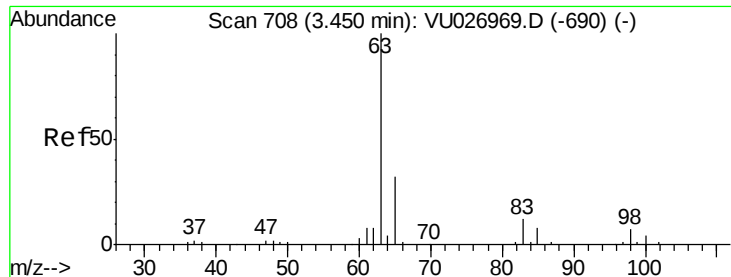
Tgt Ion: 43 Resp: 9676
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.493 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.01 min
Lab File: VU027005.D
Acq: 22 Sep 2018 08:28

Tgt Ion: 84 Resp: 626
Ion Ratio Lower Upper
84 100
49 115.7 114.9 172.3
51 36.8 35.8 53.8
86 55.1 51.3 76.9

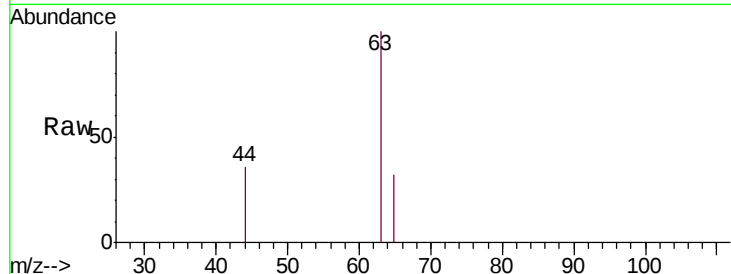




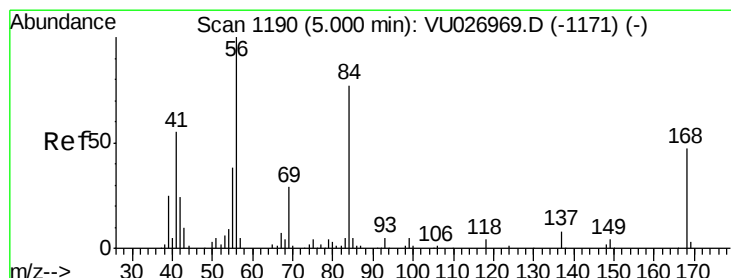
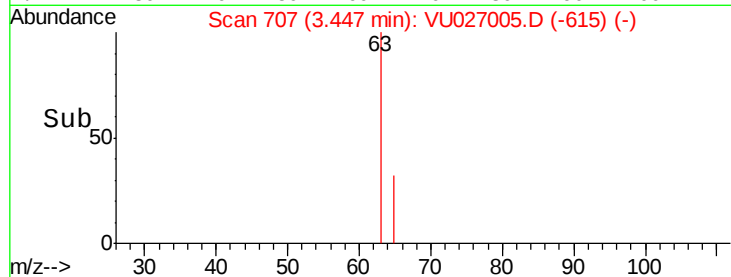
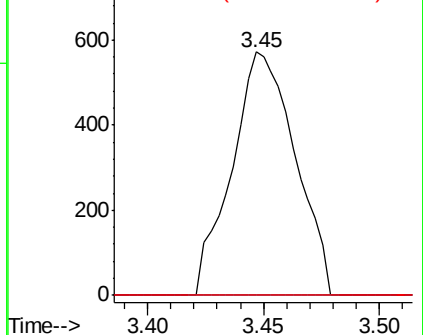
#24
 1,1-Dichloroethane
 Concen: 0.468 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ157I-20180913

Tgt Ion: 63 Resp: 1088
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.0 5.8#

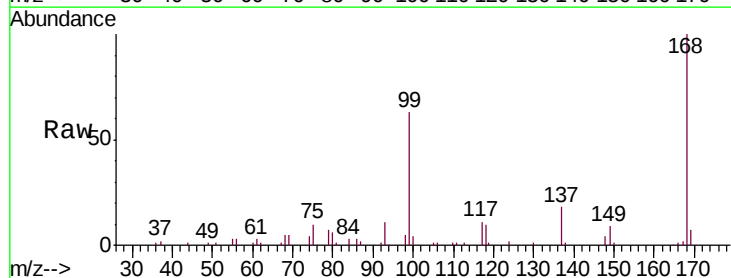


Abundance Ion 62.90 (62.60 to 63.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0
 Ion 99.90 (99.60 to 100.60): VU0

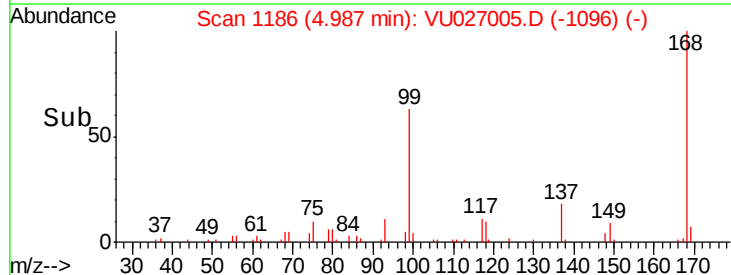
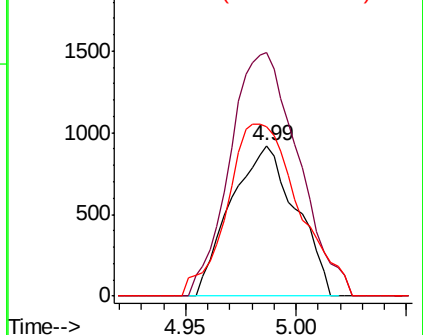


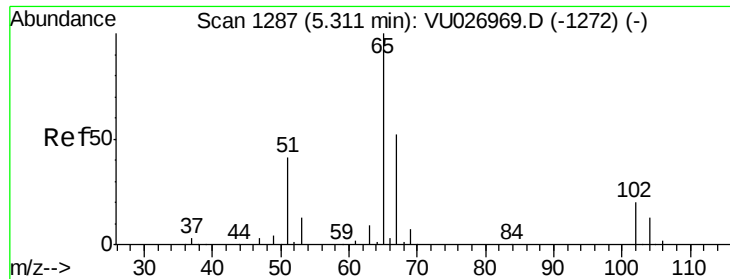
#31
 Cyclohexane
 Concen: 0.323 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

Tgt Ion: 56 Resp: 1891
 Ion Ratio Lower Upper
 56 100
 69 162.1 23.0 34.4#
 84 100.0 61.4 92.2#



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





#33

1,2-Dichloroethane-d4

Concen: 61.416 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

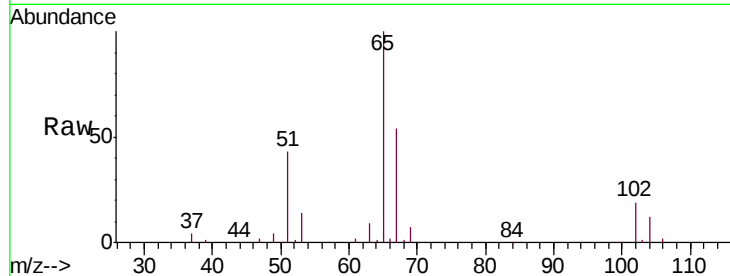
SA-PZ157I-20180913

Tgt Ion: 65 Resp: 87149

Ion Ratio Lower Upper

65 100

67 53.1 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) (-)

5.31

40000

30000

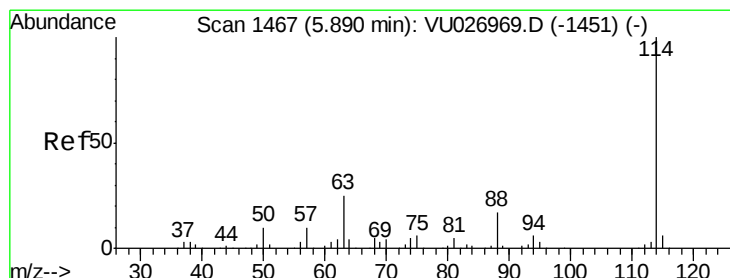
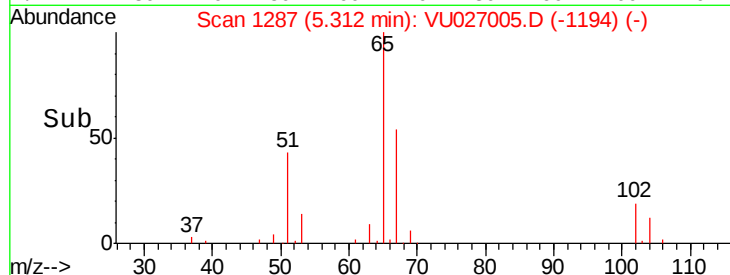
20000

10000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

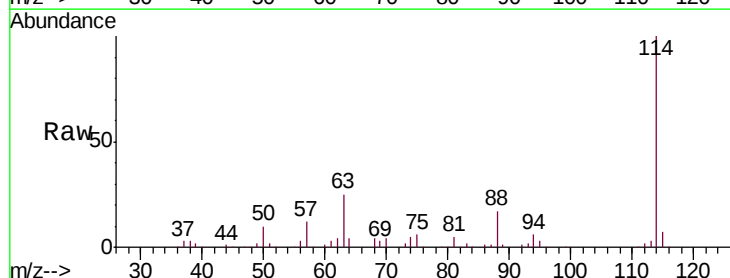
Tgt Ion: 114 Resp: 142296

Ion Ratio Lower Upper

114 100

63 24.8 0.0 49.2

88 16.6 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): VU026969.D (-1451) (-)

Ion 63.00 (62.70 to 63.70): VU026969.D (-1451) (-)

Ion 87.90 (87.60 to 88.60): VU026969.D (-1451) (-)

5.89

100000

80000

60000

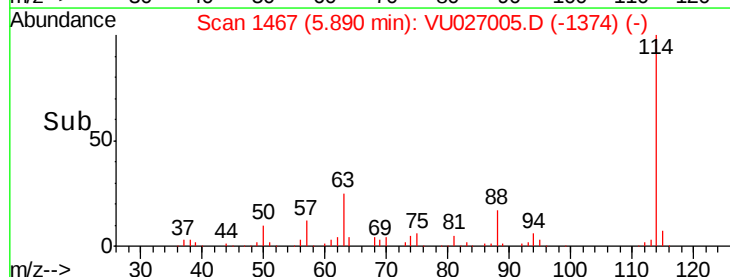
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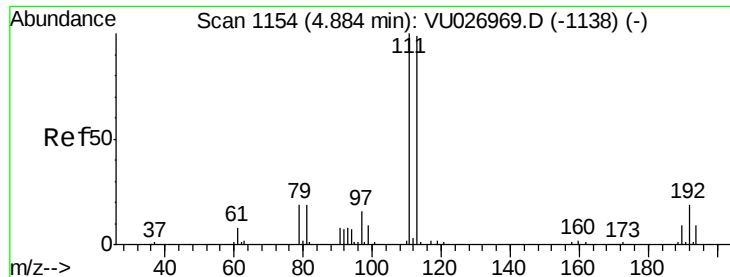
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Time-->

5.80 5.85 5.90 5.95

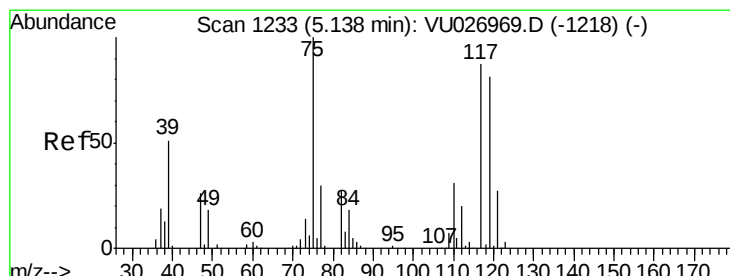
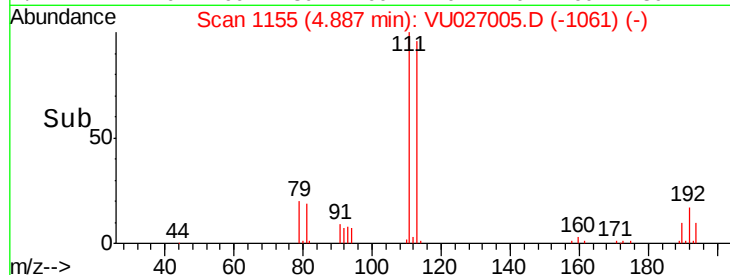
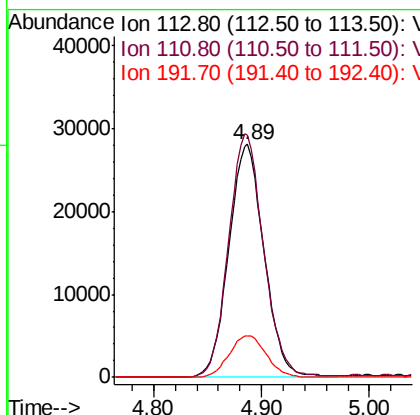
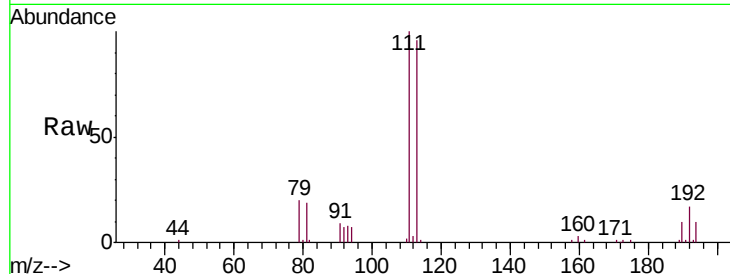




#35
 Dibromofluoromethane
 Concen: 52.035 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

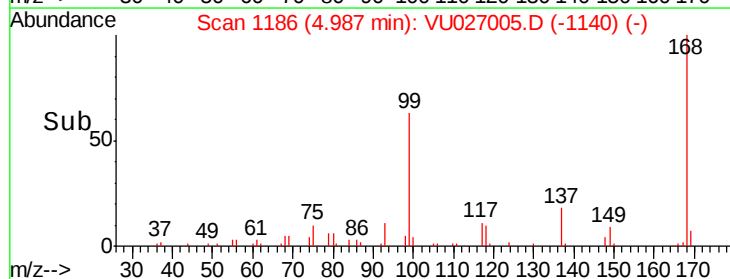
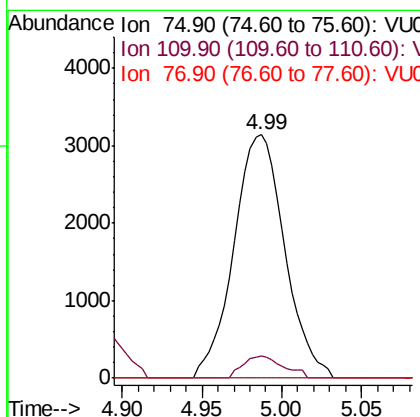
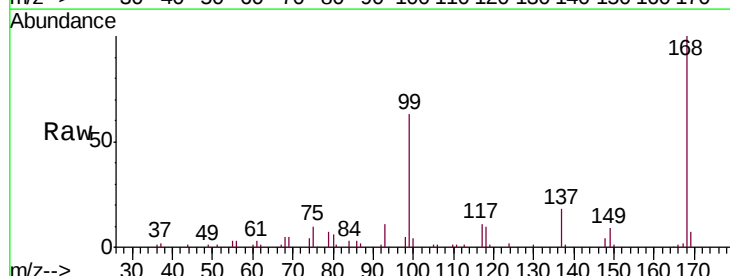
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ1571-20180913

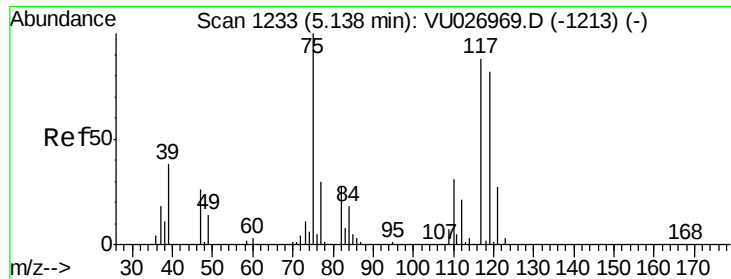
Tgt Ion:113 Resp: 64181
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 18.6 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 3.594 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

Tgt Ion: 75 Resp: 6825
 Ion Ratio Lower Upper
 75 100
 110 7.1 16.1 48.2#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 4.129 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ157I-20180913

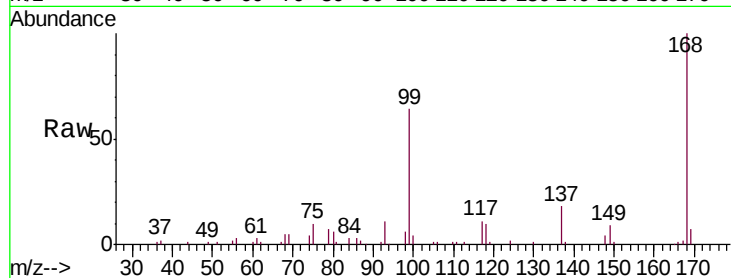
Tgt Ion:117 Resp: 7463

Ion Ratio Lower Upper

117 100

119 7.5 74.4 111.6#

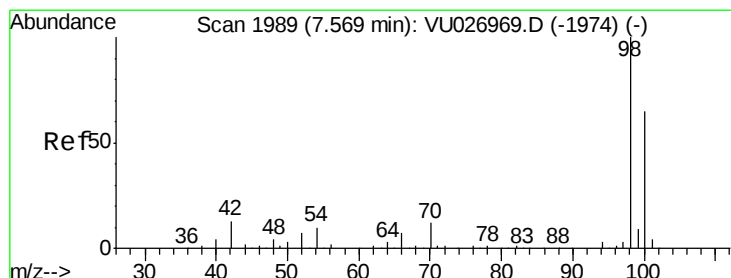
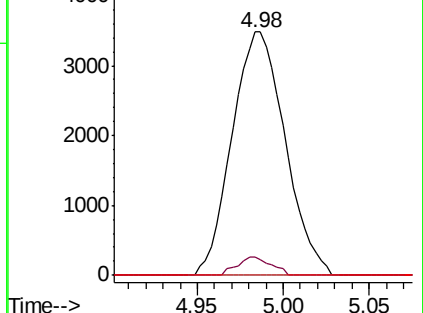
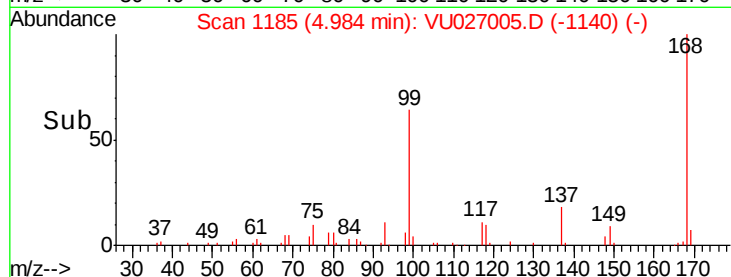
121 0.0 24.2 36.4#



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: 49.769 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027005.D

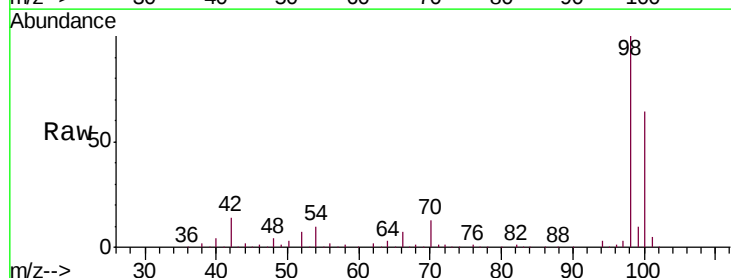
Acq: 22 Sep 2018 08:28

Tgt Ion: 98 Resp: 233945

Ion Ratio Lower Upper

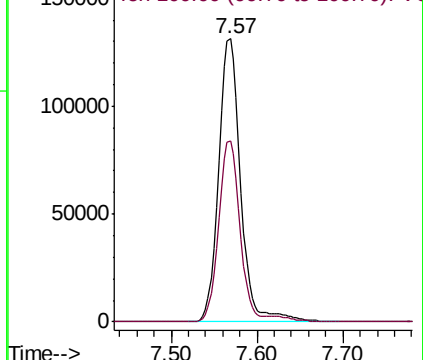
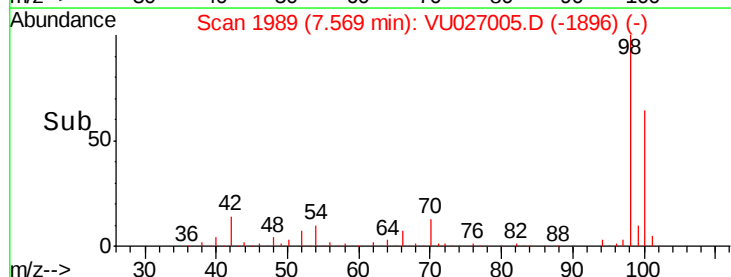
98 100

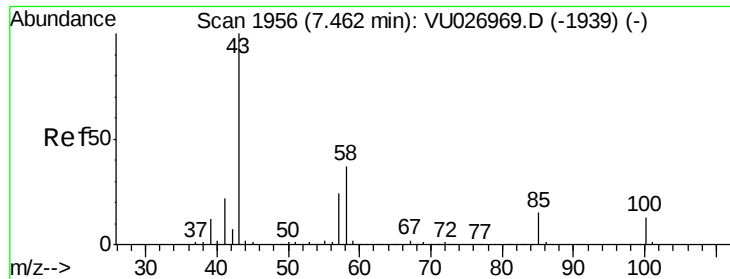
100 63.8 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.436 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

Instrument :

MSVOA_U

ClientSampleId :

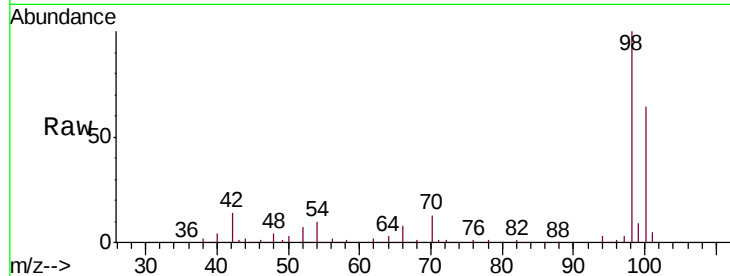
SA-PZ157I-20180913

Tgt Ion: 43 Resp: 1100

Ion Ratio Lower Upper

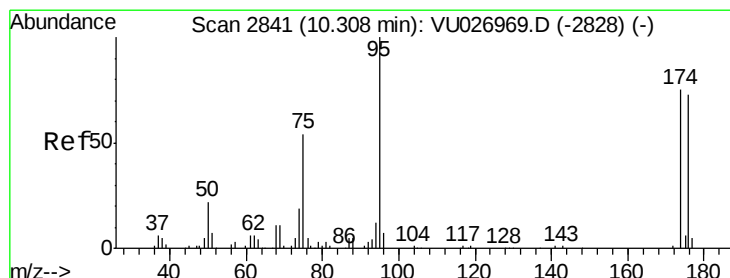
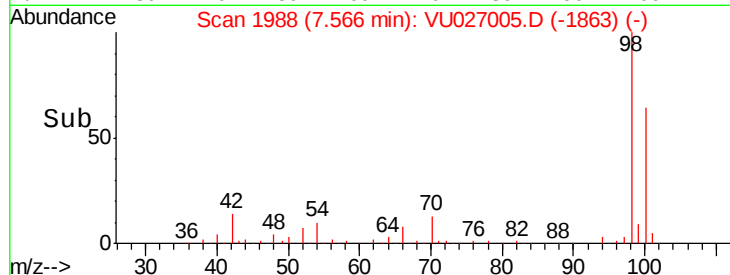
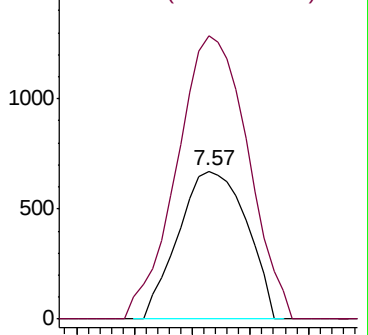
43 100

58 198.5 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 49.097 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027005.D

Acq: 22 Sep 2018 08:28

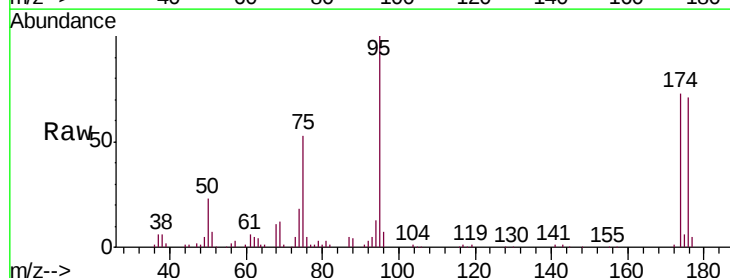
Tgt Ion: 95 Resp: 79190

Ion Ratio Lower Upper

95 100

174 73.7 0.0 150.2

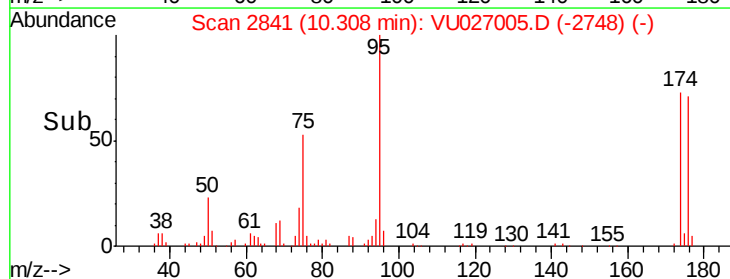
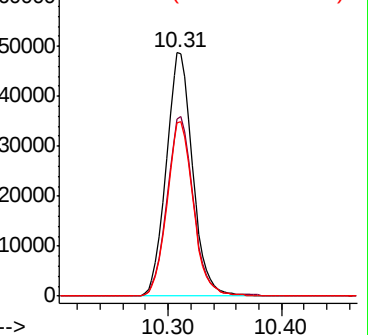
176 71.2 0.0 145.2

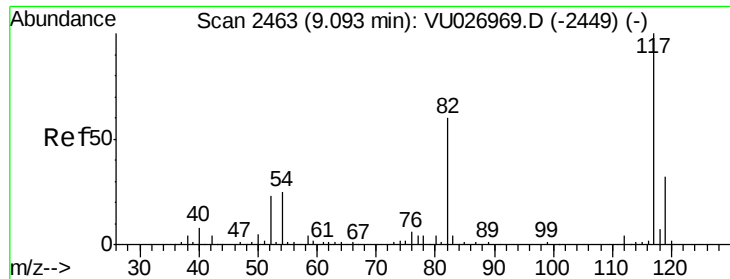


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

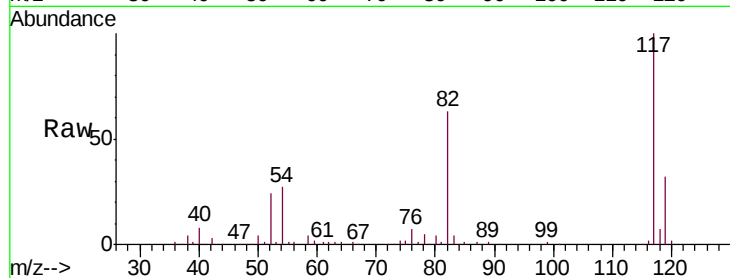




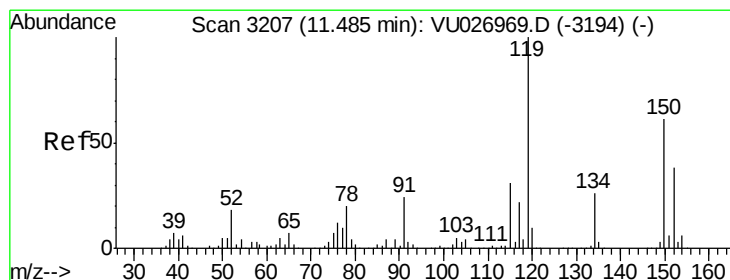
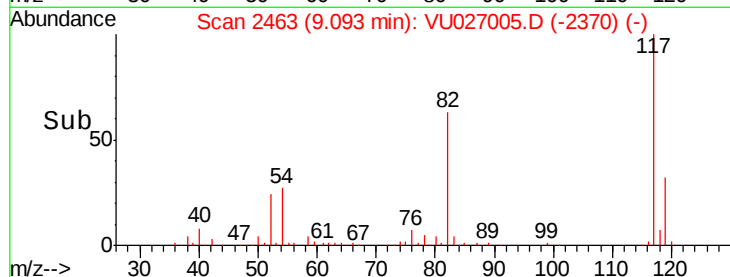
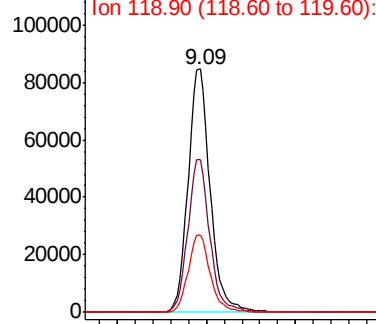
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027005.D
Acq: 22 Sep 2018 08:28

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ157I-20180913

Tgt Ion:117 Resp: 145330
Ion Ratio Lower Upper
117 100
82 62.5 48.0 72.0
119 31.8 25.8 38.8

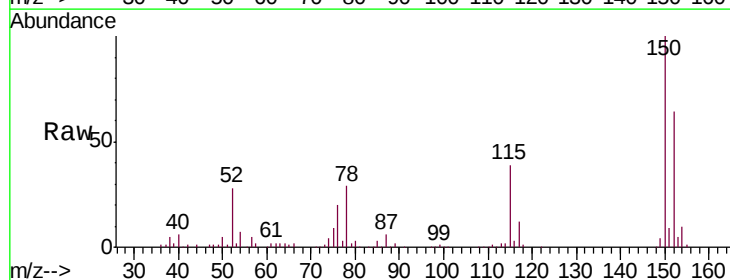


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
Ion 118.90 (118.60 to 119.60): V

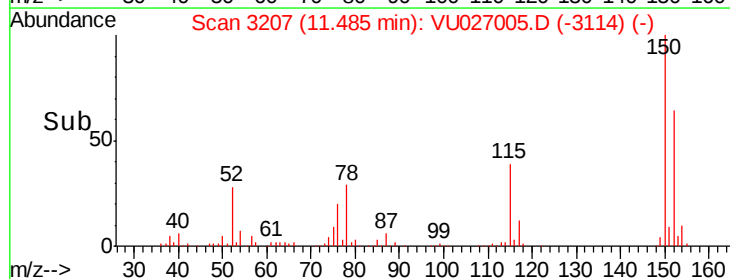
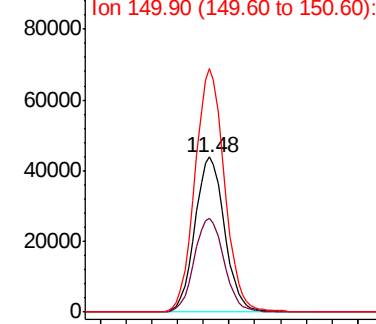


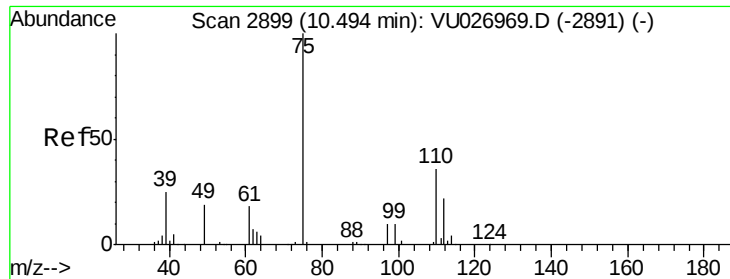
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027005.D
Acq: 22 Sep 2018 08:28

Tgt Ion:152 Resp: 70056
Ion Ratio Lower Upper
152 100
115 60.6 44.9 134.5
150 156.1 0.0 355.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): VU026969.D (-3194) (-)
Ion 149.90 (149.60 to 150.60): V

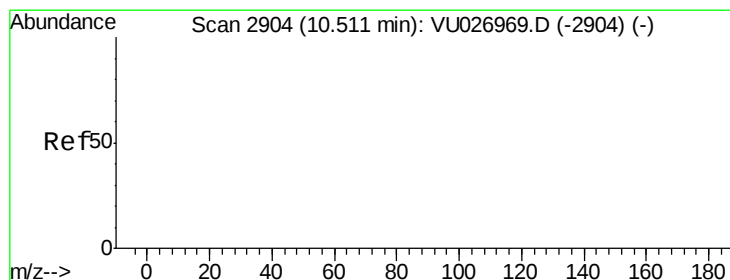
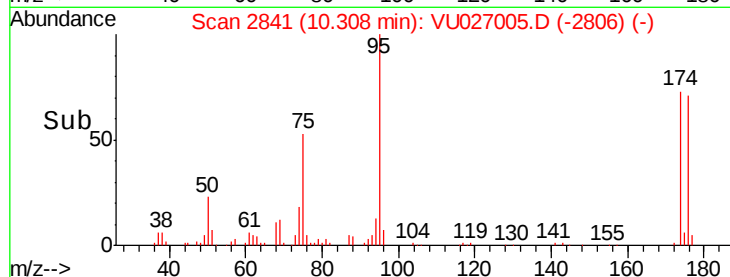
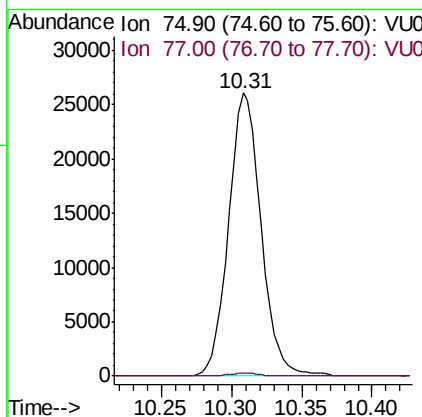
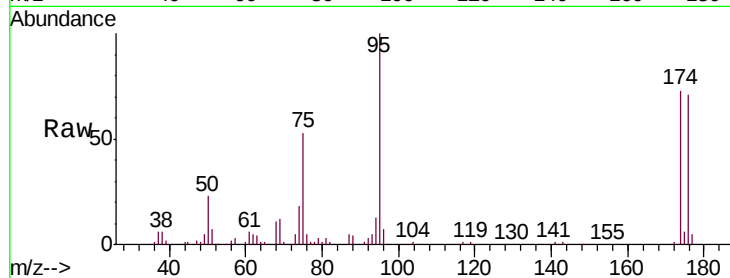




#76
 1,2,3-Trichloropropane
 Concen: 19.718 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

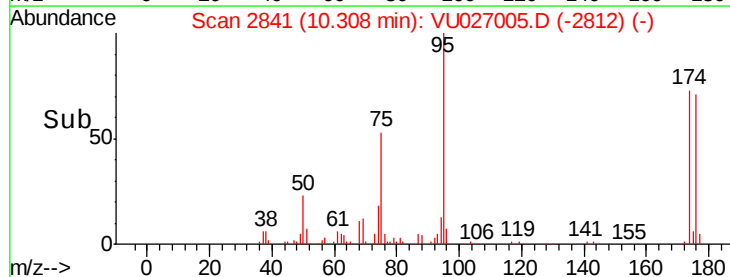
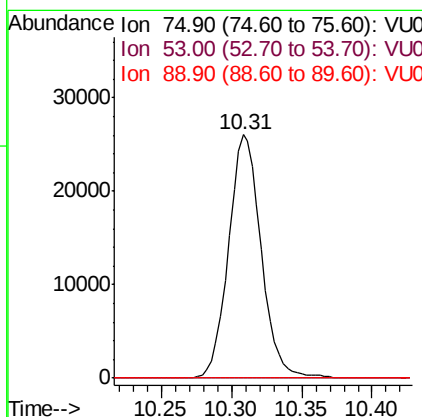
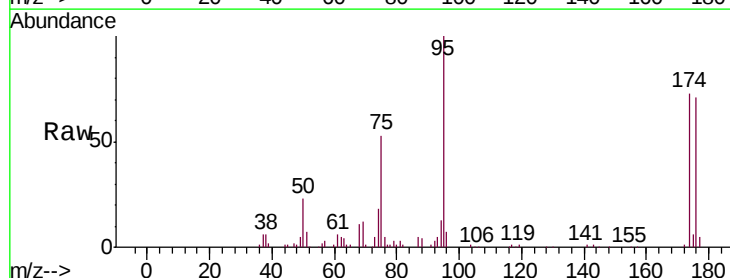
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ157I-20180913

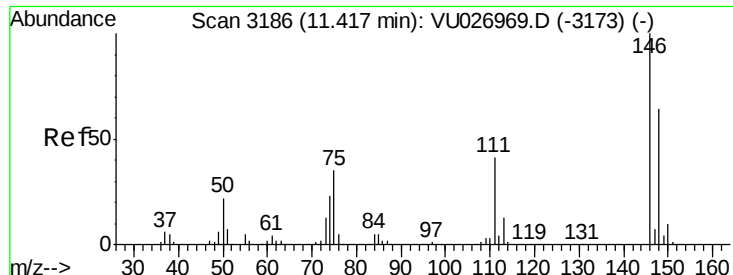
Tgt Ion: 75 Resp: 41965
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.100 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

Tgt Ion: 75 Resp: 41965
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

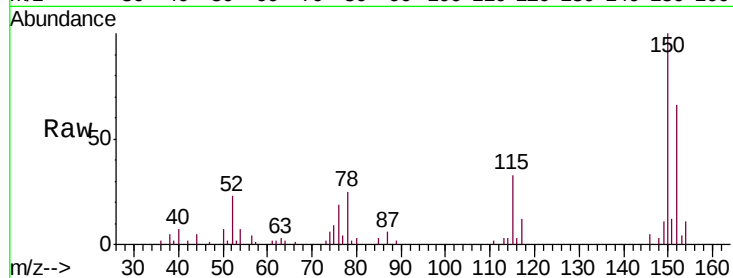




#87
 1,3-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.09 min
 Lab File: VU027005.D
 Acq: 22 Sep 2018 08:28

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ157I-20180913

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	20.8	62.2#
148	0.0	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

