

Data File : VU027052.D
Acq On : 23 Sep 2018 06:07
Operator : MD/SY
Sample : J4963-06
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 94 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122D-20180914

Quant Time: Sep 24 05:48:11 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	93837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157497	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71574	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97390	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
35) Dibromofluoromethane	4.89	113	67302	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	7.57	98	255086	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	10.31	95	81953	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

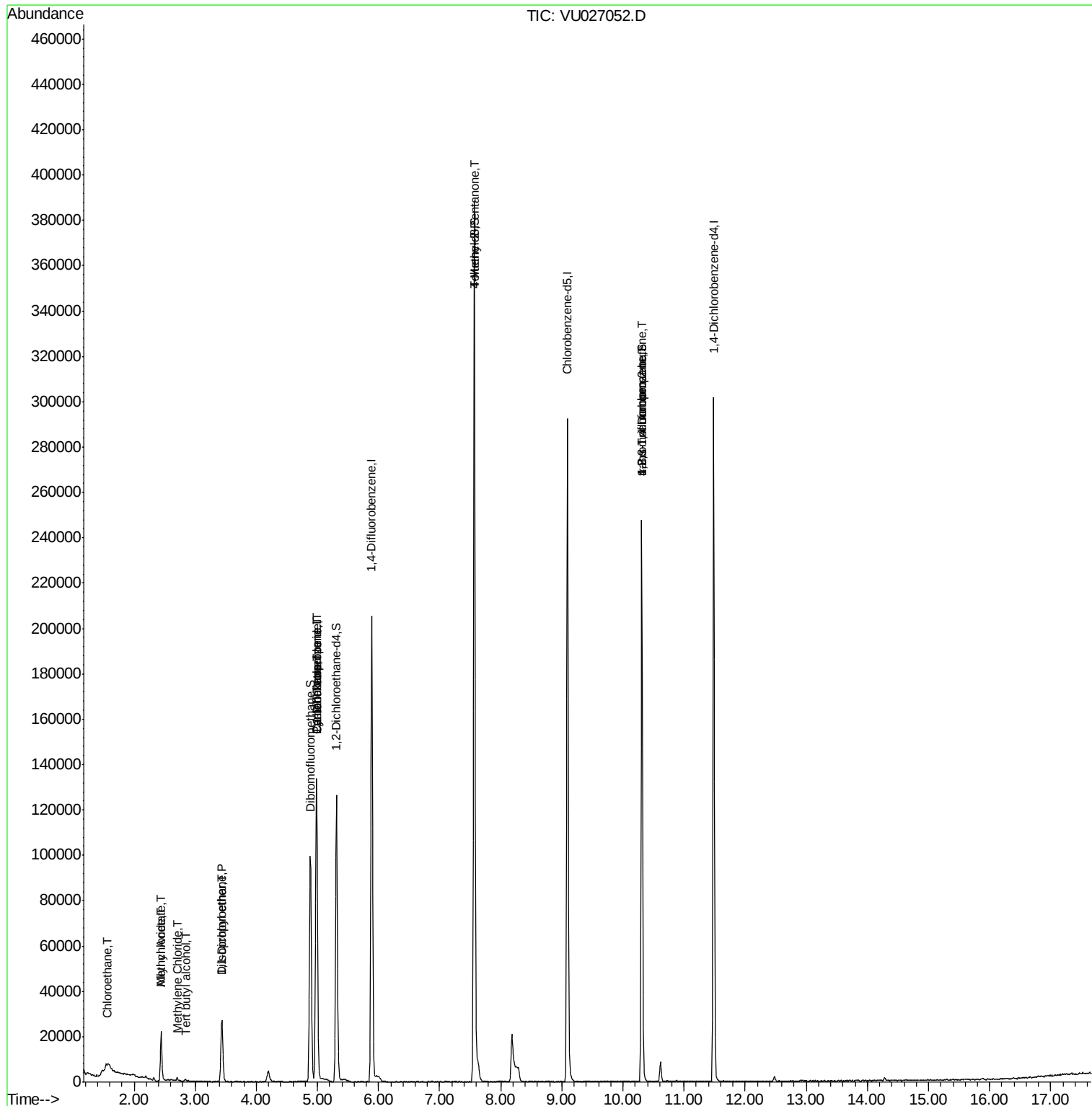
Target Compounds			Qvalue			
6) Chloroethane	1.57	64	14097	11.190	ug/l #	54
11) Tert butyl alcohol	2.84	59	442	1.021	ug/l #	72
14) Allyl chloride	2.44	41	2098	0.798	ug/l #	63
16) Acetone	2.32	43	1558	Below Cal	#	80
18) Methyl Acetate	2.44	43	5612	2.088	ug/l #	55
20) Methylene Chloride	2.71	84	360	0.213	ug/l #	74
22) Diisopropyl ether	3.44	45	13037	2.319	ug/l #	9
24) 1,1-Dichloroethane	3.45	63	3166	1.022	ug/l #	84
31) Cyclohexane	4.99	56	2382	0.274	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8931	4.249	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9798	4.898	ug/l #	17
51) 4-Methyl-2-Pentanone	7.56	43	1225	0.439	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	45068	20.727	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	45068	66.329	ug/l #	100

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027052.D

Acq: 23 Sep 2018 06:07

Instrument :

MSVOA_U

ClientSampleId :

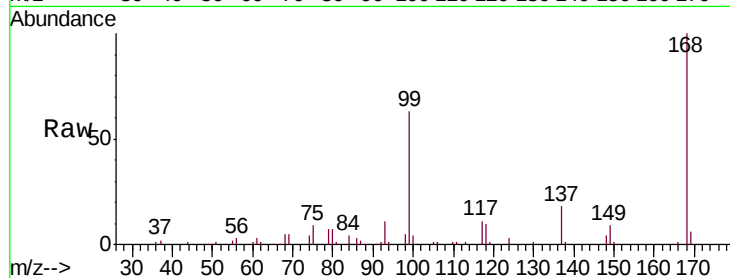
SA-PZ122D-20180914

Tgt Ion:168 Resp: 93837

Ion Ratio Lower Upper

168 100

99 62.6 48.1 72.1



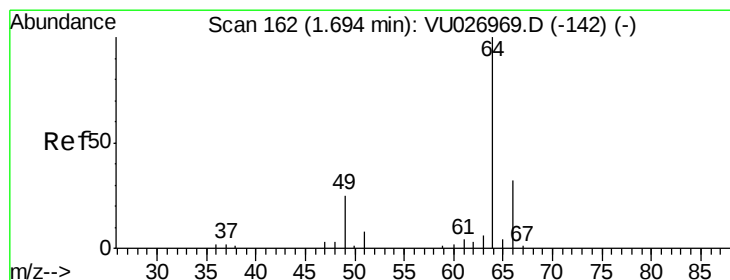
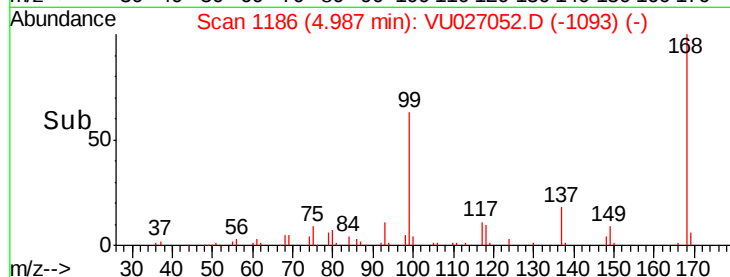
Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 11.190 ug/l

RT: 1.57 min Scan# 123

Delta R.T. -0.13 min

Lab File: VU027052.D

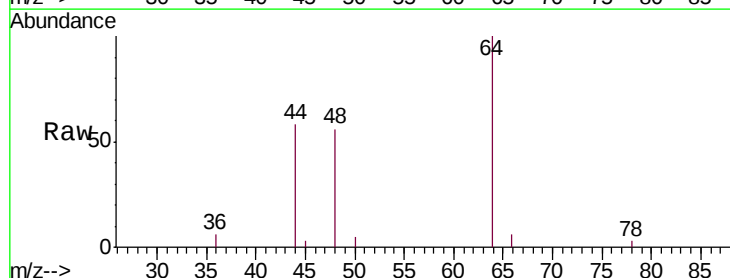
Acq: 23 Sep 2018 06:07

Tgt Ion: 64 Resp: 14097

Ion Ratio Lower Upper

64 100

66 6.2 25.3 37.9#



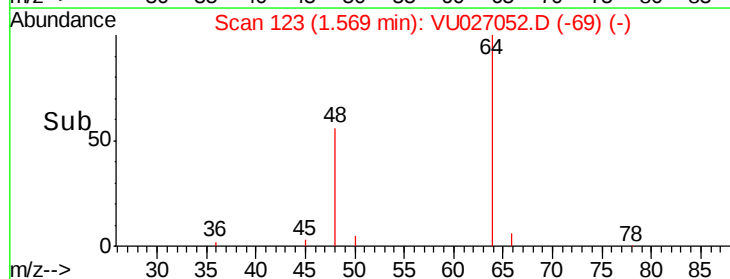
Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

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

1.57

1.40 1.50 1.60

Time-->



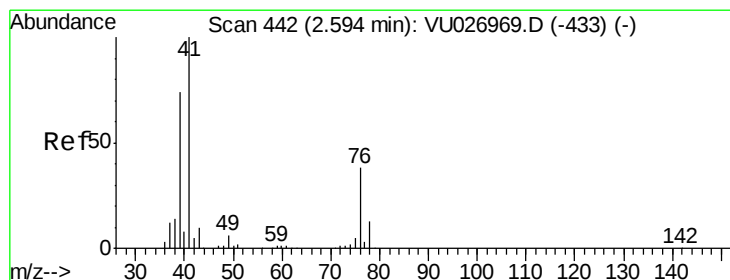
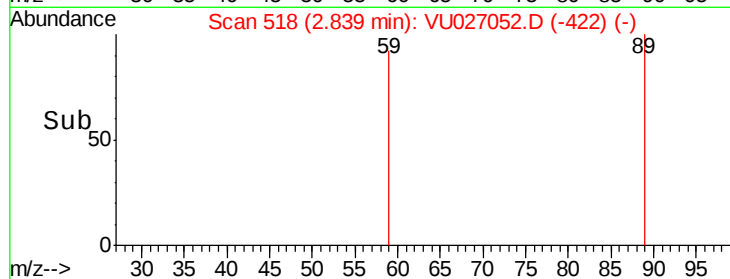
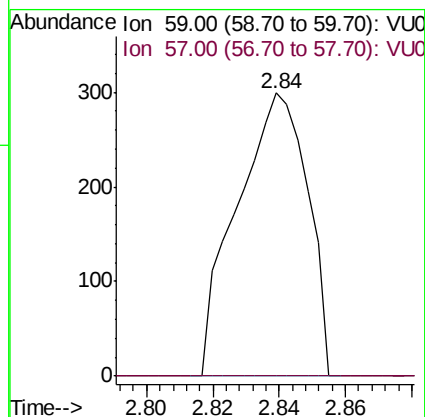
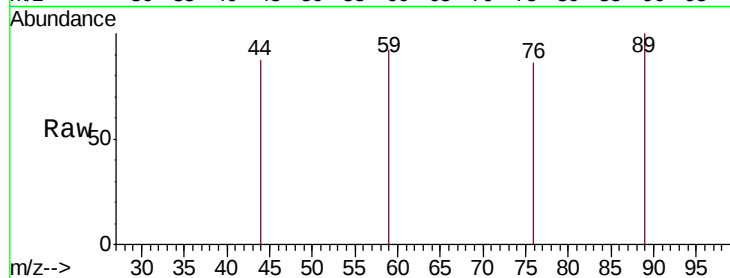


#11

Tert butyl alcohol
 Concen: 1.021 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ122D-20180914

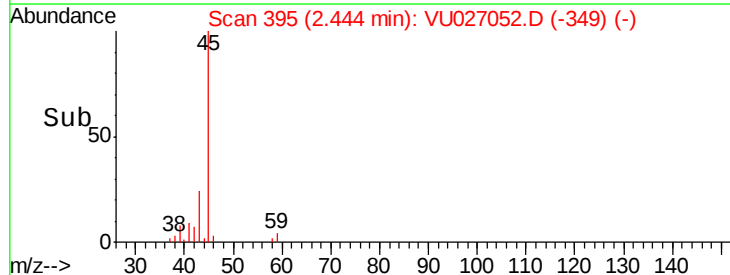
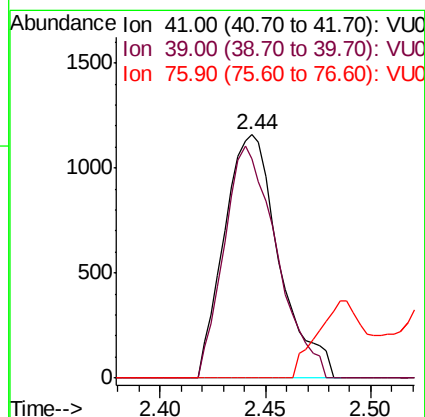
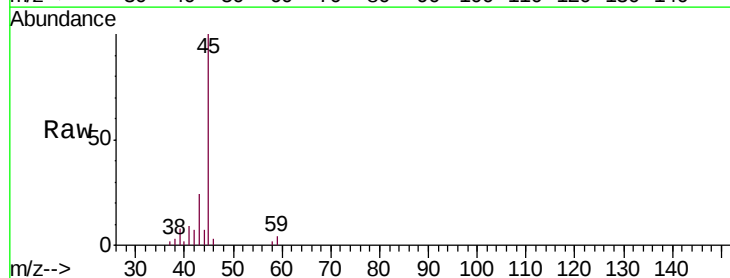
Tgt Ion: 59 Resp: 442
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

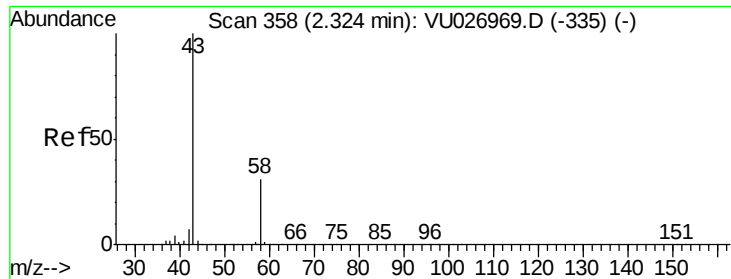


#14

Allyl chloride
 Concen: 0.798 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

Tgt Ion: 41 Resp: 2098
 Ion Ratio Lower Upper
 41 100
 39 91.3 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: VU027052.D

Acq: 23 Sep 2018 06:07

Instrument :

MSVOA_U

ClientSampleId :

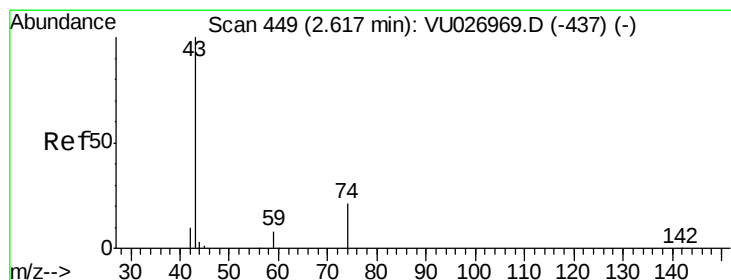
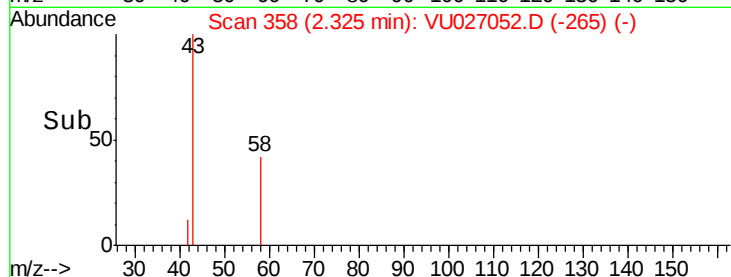
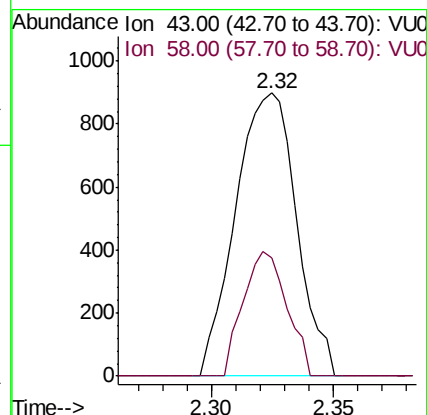
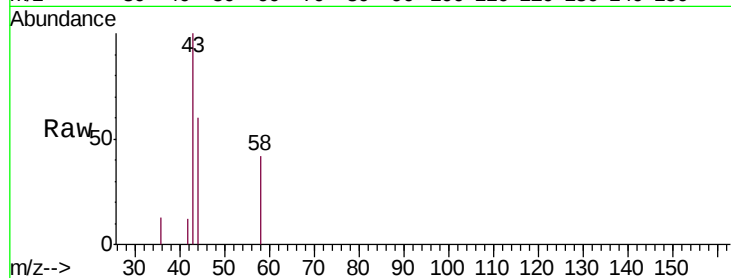
SA-PZ122D-20180914

Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

58 41.8 24.6 36.8#



#18

Methyl Acetate

Concen: 2.088 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027052.D

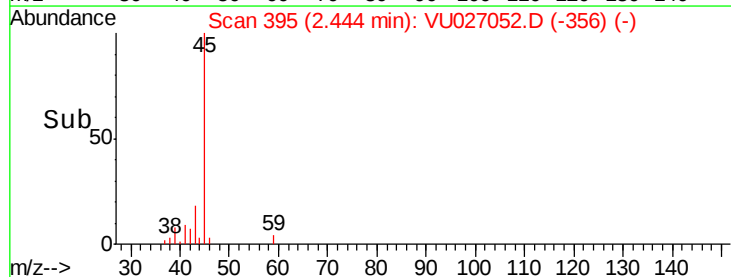
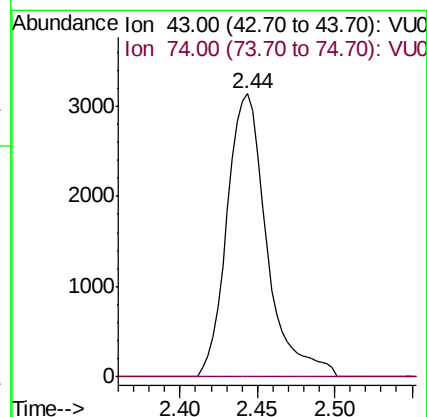
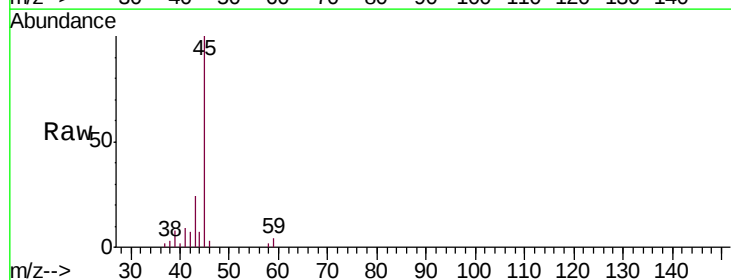
Acq: 23 Sep 2018 06:07

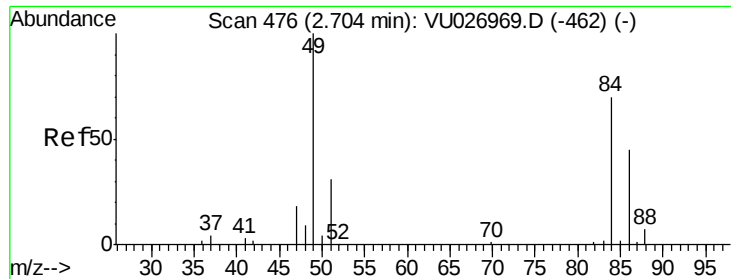
Tgt Ion: 43 Resp: 5612

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

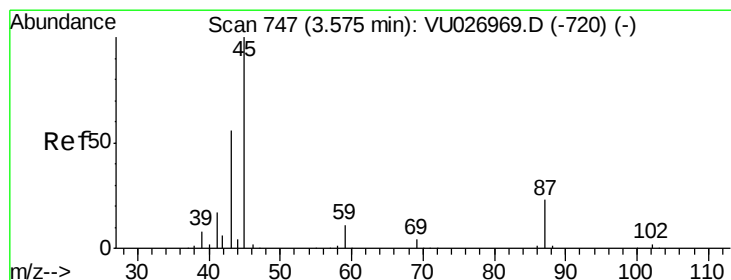
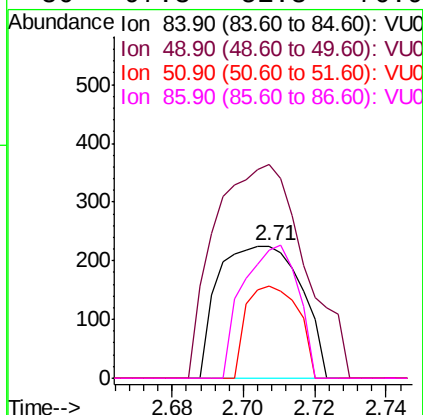
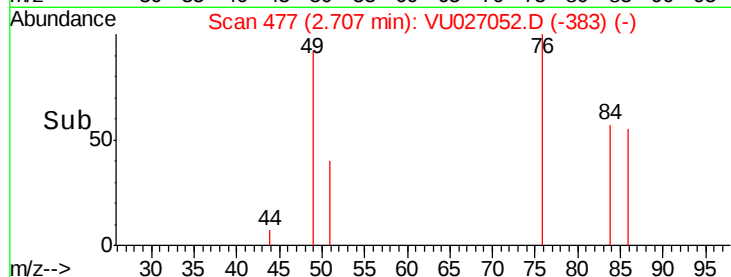
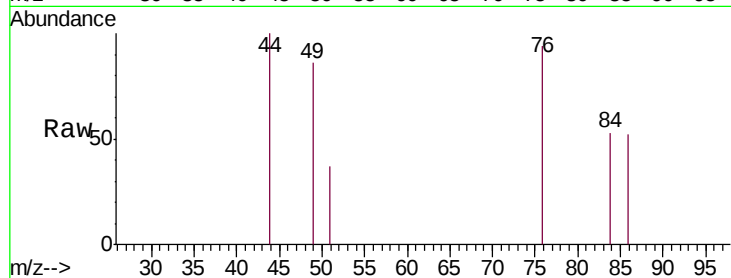




#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027052.D
Acq: 23 Sep 2018 06:07

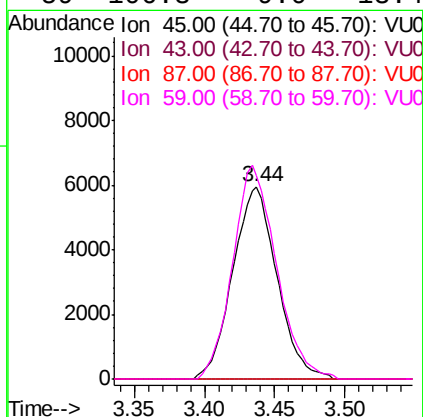
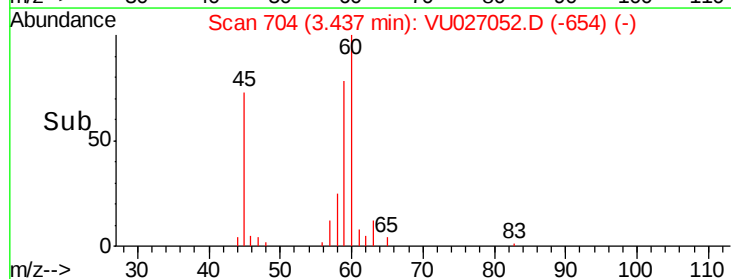
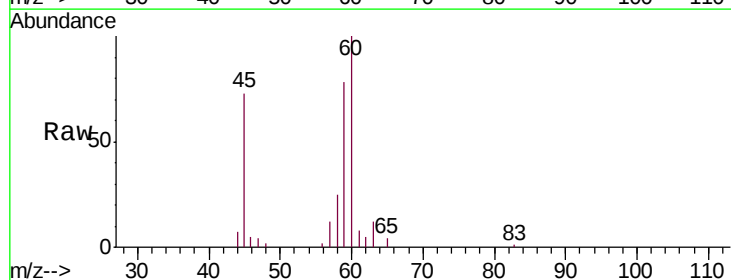
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122D-20180914

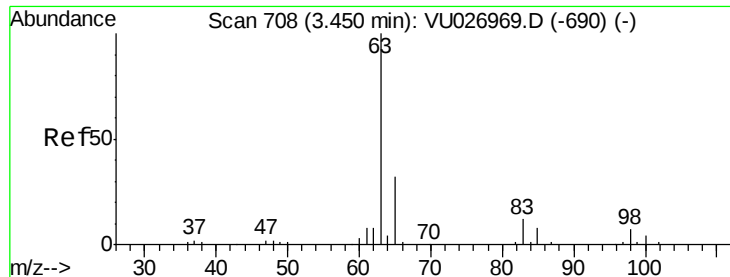
Tgt Ion: 84 Resp: 360
Ion Ratio Lower Upper
84 100
49 161.8 114.9 172.3
51 69.8 35.8 53.8#
86 97.3 51.3 76.9#



#22
Diisopropyl ether
Concen: 2.319 ug/l
RT: 3.44 min Scan# 704
Delta R.T. -0.14 min
Lab File: VU027052.D
Acq: 23 Sep 2018 06:07

Tgt Ion: 45 Resp: 13037
Ion Ratio Lower Upper
45 100
43 0.0 45.8 68.6#
87 0.0 18.6 28.0#
59 106.3 9.0 13.4#





#24

1,1-Dichloroethane

Concen: 1.022 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027052.D

Acq: 23 Sep 2018 06:07

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ122D-20180914

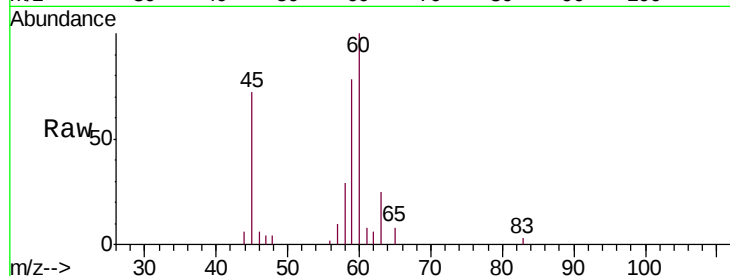
Tgt Ion: 63 Resp: 3166

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

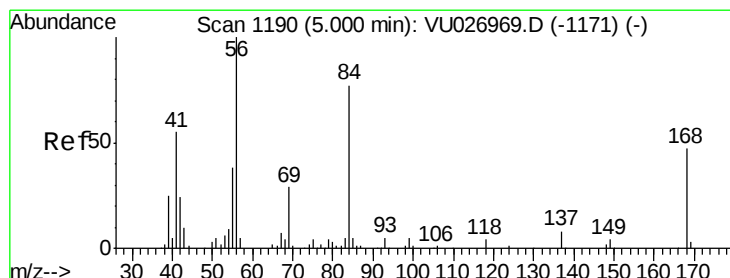
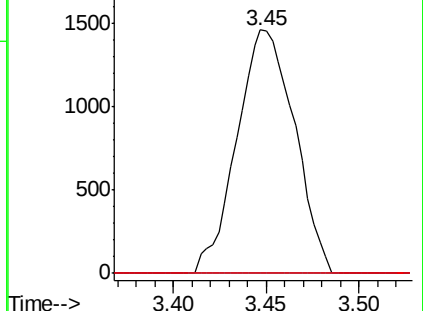
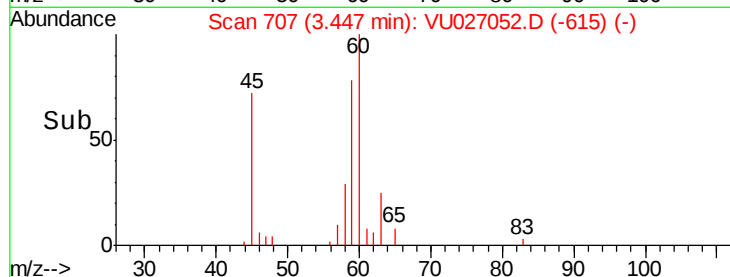
100 0.0 2.0 5.8#



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: 0.274 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU027052.D

Acq: 23 Sep 2018 06:07

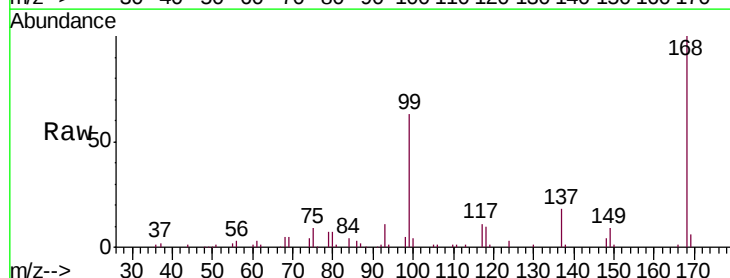
Tgt Ion: 56 Resp: 2382

Ion Ratio Lower Upper

56 100

69 166.5 23.0 34.4#

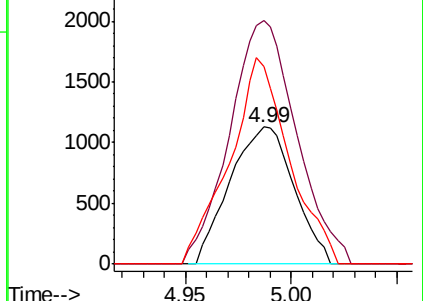
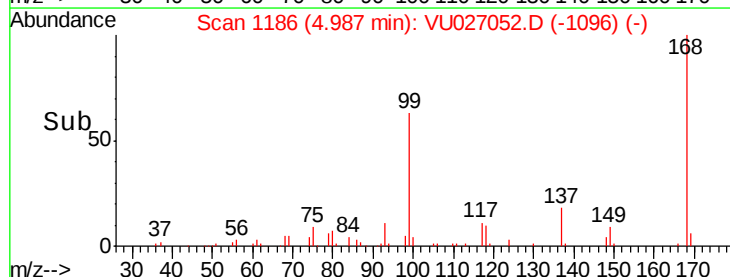
84 144.2 61.4 92.2#

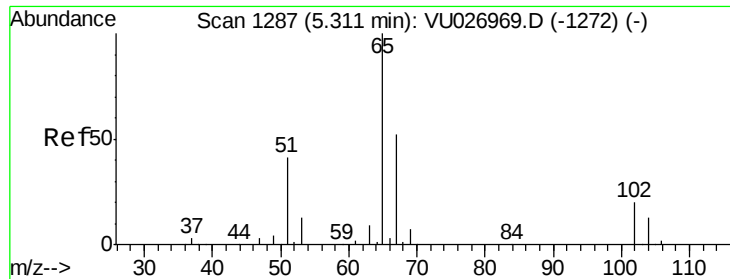


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0

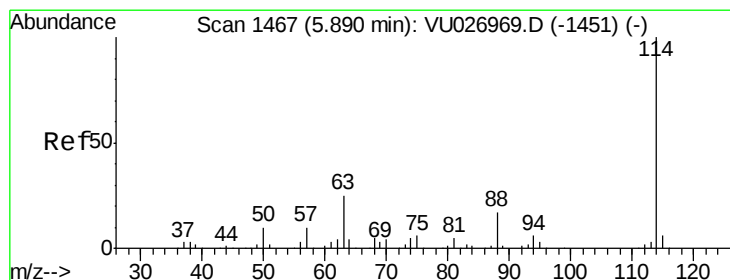
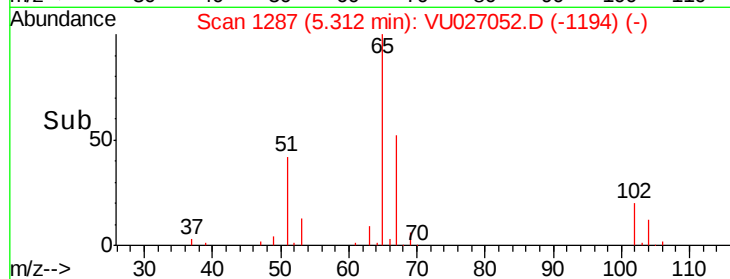
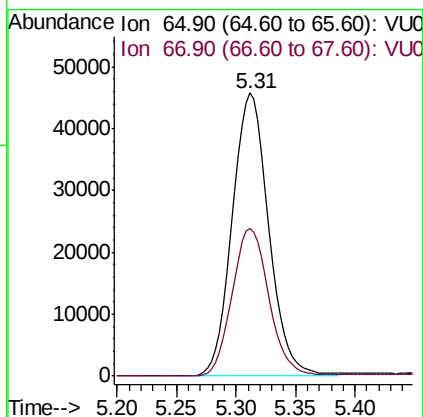
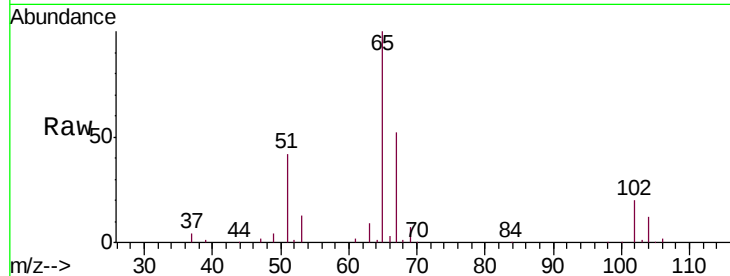




#33
 1,2-Dichloroethane-d4
 Concen: 51.567 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

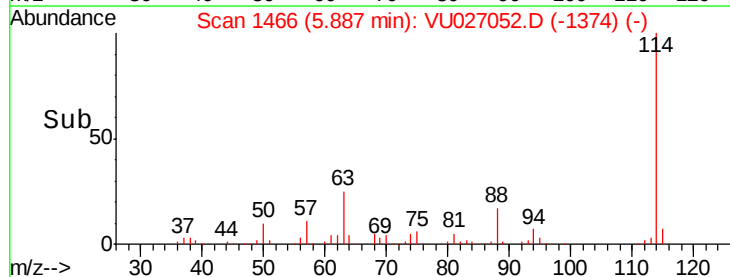
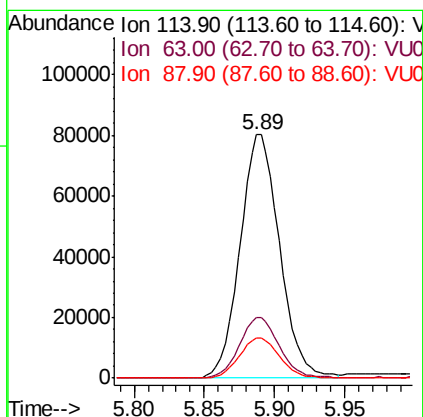
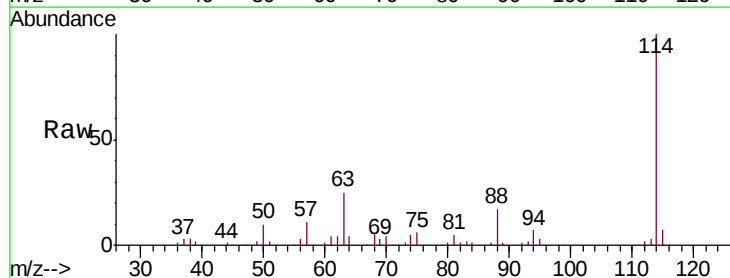
Instrument :
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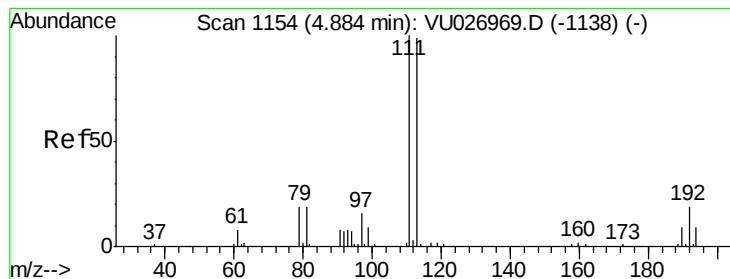
Tgt Ion: 65 Resp: 97390
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

Tgt Ion: 114 Resp: 157497
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.6 0.0 33.8





#35

Dibromofluoromethane

Concen: 49.299 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027052.D

Acq: 23 Sep 2018 06:07

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ122D-20180914

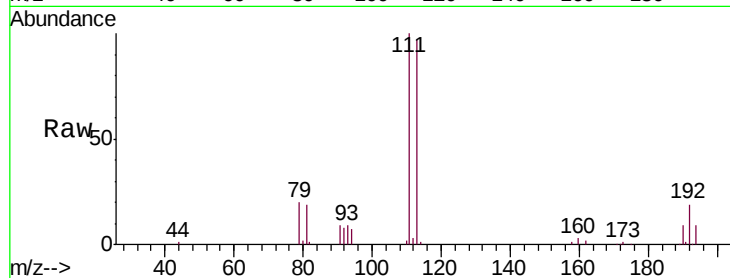
Tgt Ion:113 Resp: 67302

Ion Ratio Lower Upper

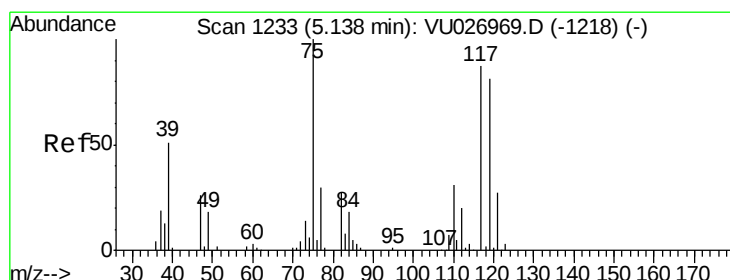
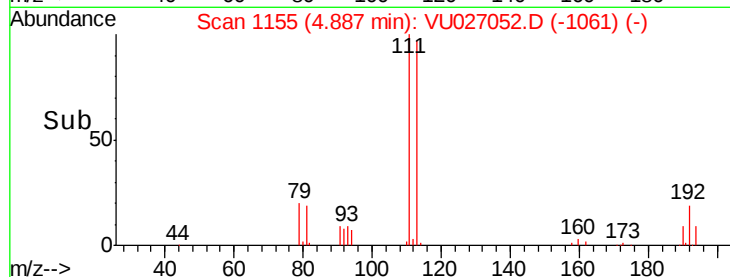
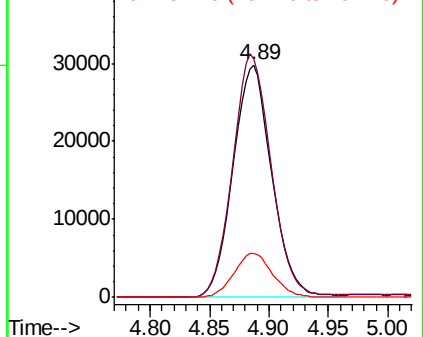
113 100

111 103.8 82.2 123.4

192 18.8 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: 4.249 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027052.D

Acq: 23 Sep 2018 06:07

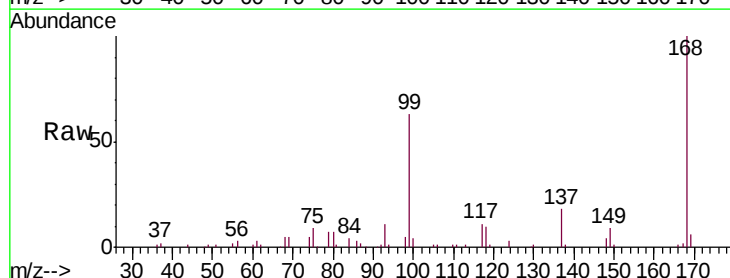
Tgt Ion: 75 Resp: 8931

Ion Ratio Lower Upper

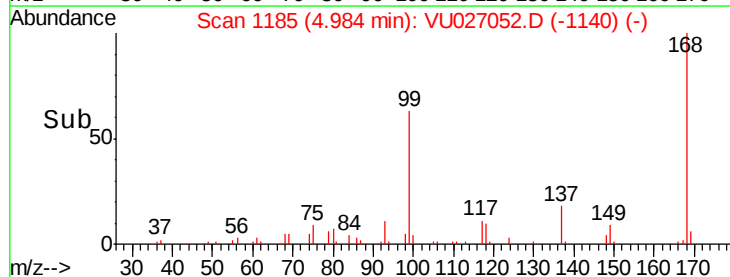
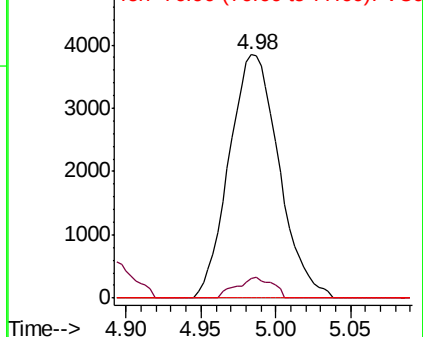
75 100

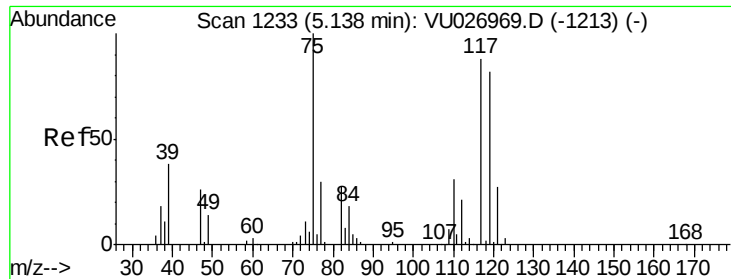
110 6.1 16.1 48.2#

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

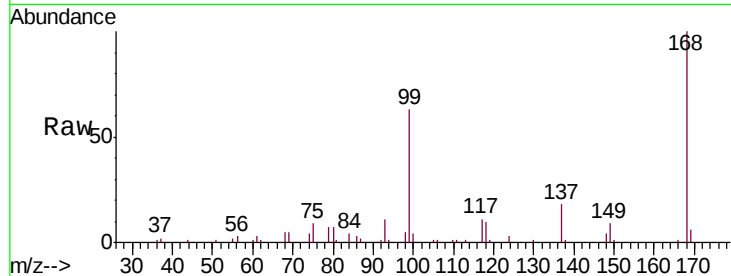




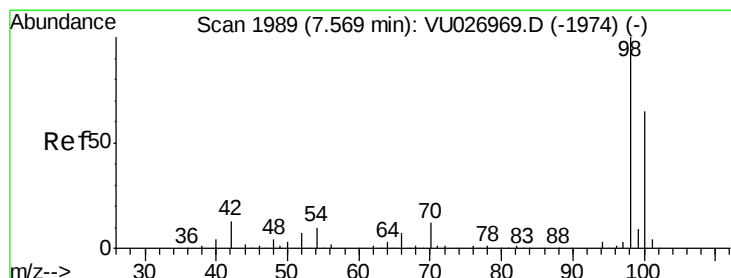
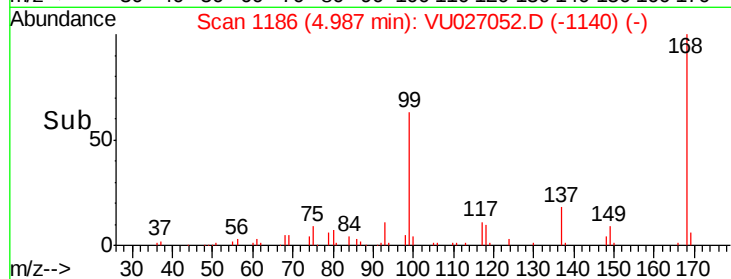
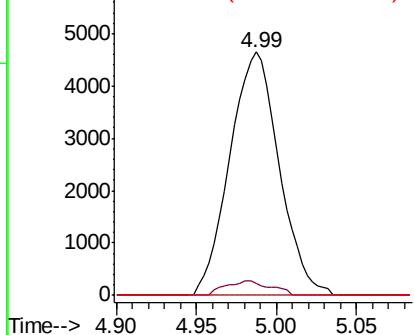
#38
Carbon Tetrachloride
Concen: 4.898 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027052.D
Acq: 23 Sep 2018 06:07

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122D-20180914

Tgt Ion:117 Resp: 9798
Ion Ratio Lower Upper
117 100
119 4.9 74.4 111.6#
121 0.0 24.2 36.4#

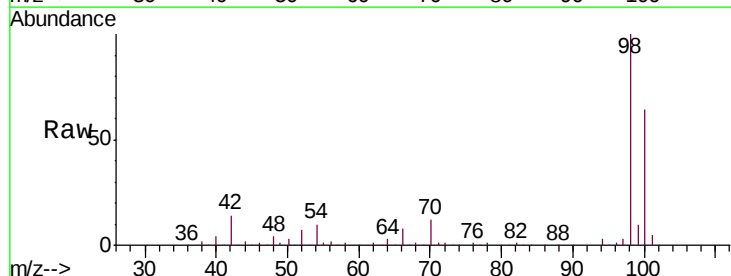


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

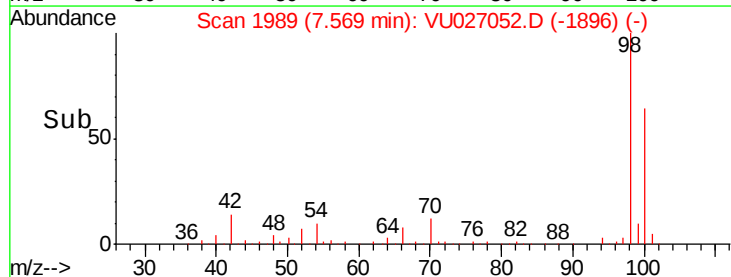
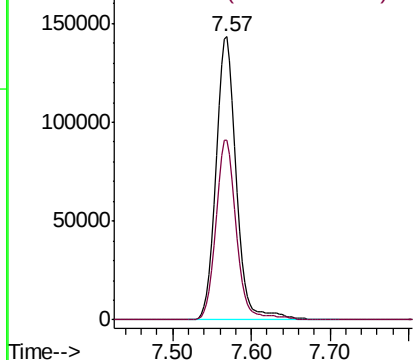


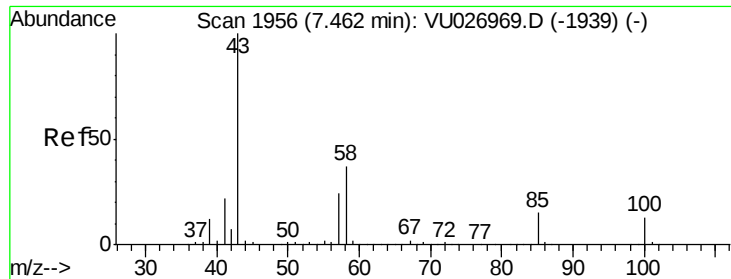
#50
Toluene-d8
Concen: 49.029 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027052.D
Acq: 23 Sep 2018 06:07

Tgt Ion: 98 Resp: 255086
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



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

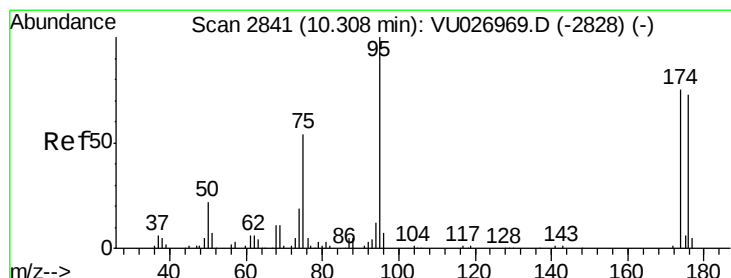
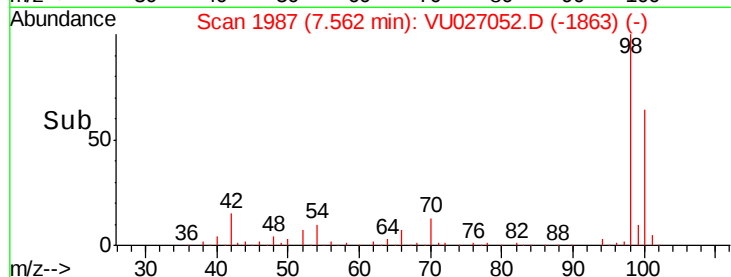
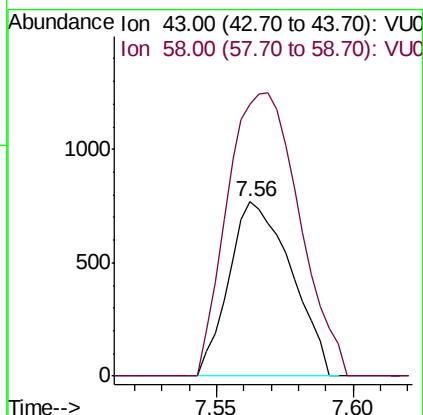
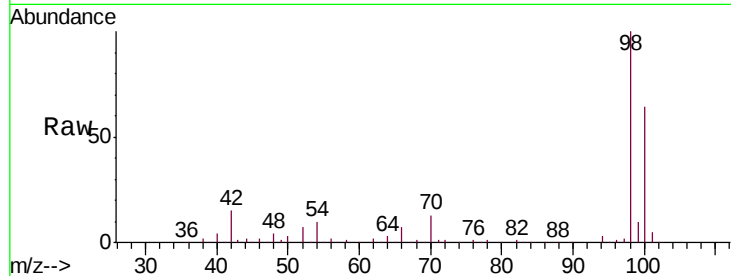




#51
 4-Methyl-2-Pentanone
 Concen: 0.439 ug/l
 RT: 7.56 min Scan# 1987
 Delta R.T. 0.10 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

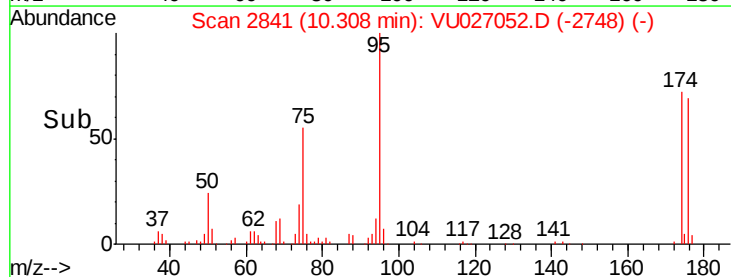
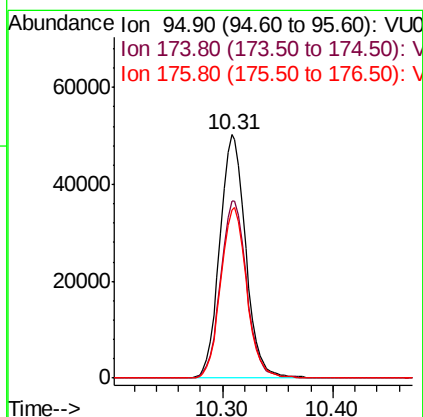
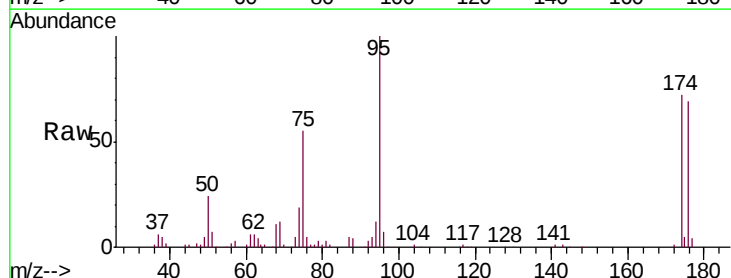
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ122D-20180914

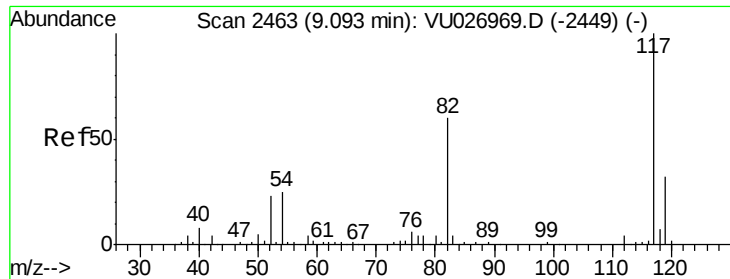
Tgt Ion: 43 Resp: 1225
 Ion Ratio Lower Upper
 43 100
 58 186.8 29.8 44.6#



#62
 4-Bromofluorobenzene
 Concen: 45.906 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

Tgt Ion: 95 Resp: 81953
 Ion Ratio Lower Upper
 95 100
 174 73.4 0.0 150.2
 176 70.4 0.0 145.2

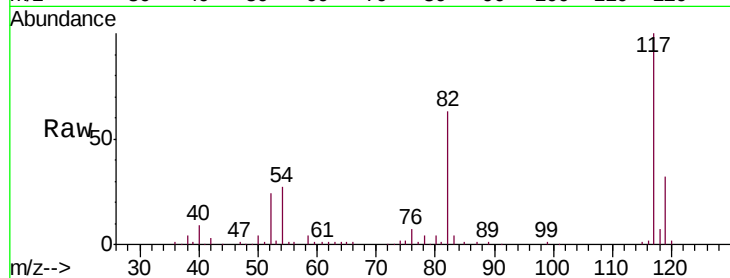




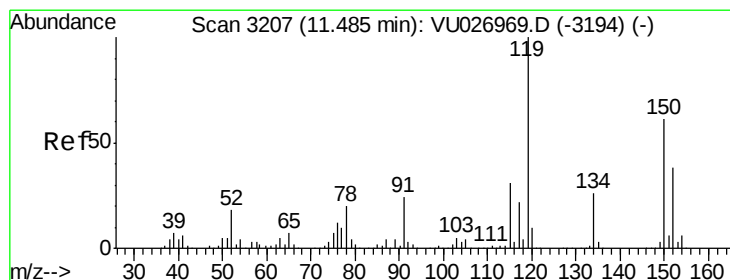
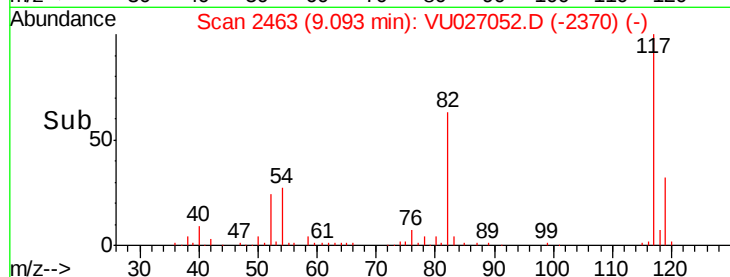
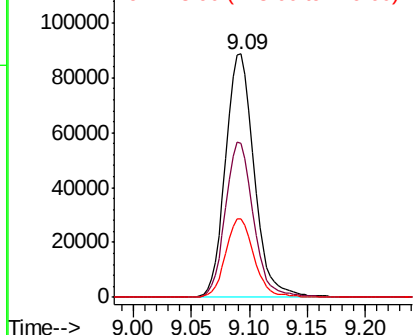
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027052.D
Acq: 23 Sep 2018 06:07

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ122D-20180914

Tgt Ion:117 Resp: 151800
Ion Ratio Lower Upper
117 100
82 63.5 48.0 72.0
119 32.2 25.8 38.8

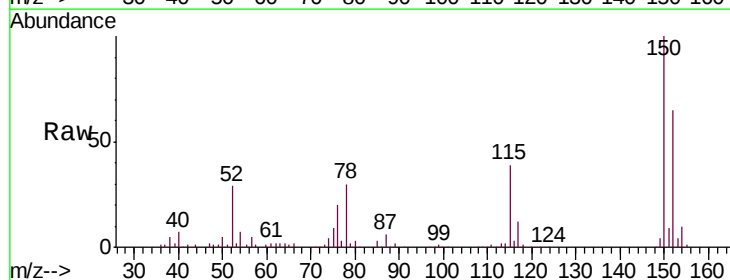


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

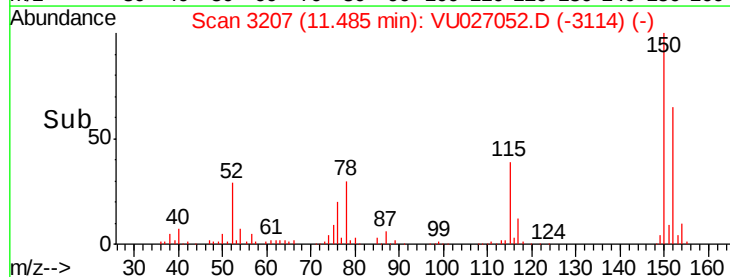
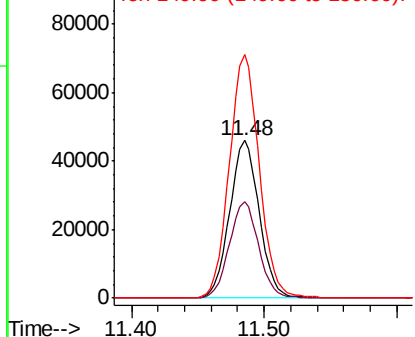


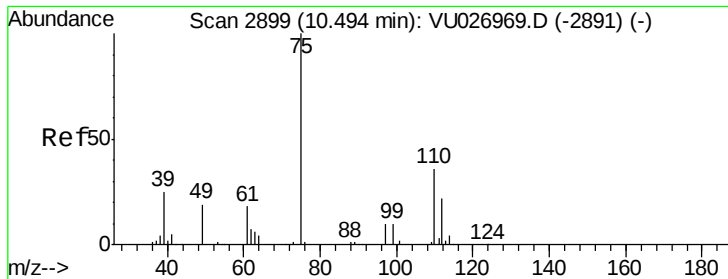
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027052.D
Acq: 23 Sep 2018 06:07

Tgt Ion:152 Resp: 71574
Ion Ratio Lower Upper
152 100
115 60.6 44.9 134.5
150 155.5 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

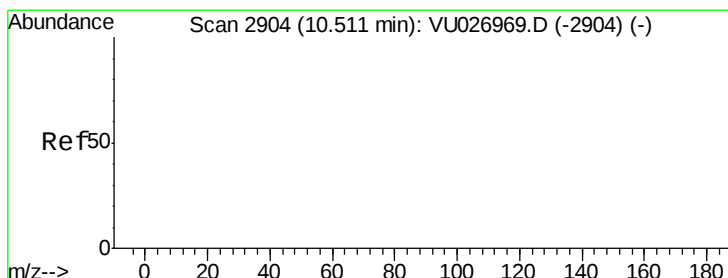
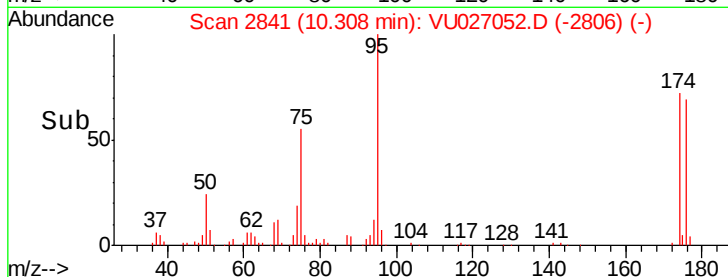
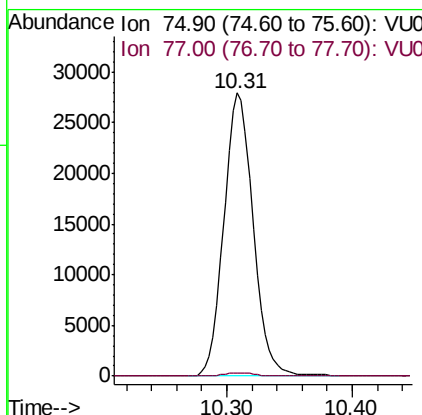
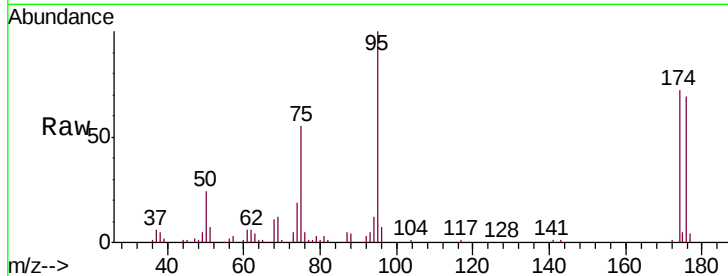




#76
 1,2,3-Trichloropropane
 Concen: 20.727 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ122D-20180914

Tgt Ion: 75 Resp: 45068
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.9 62.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.329 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027052.D
 Acq: 23 Sep 2018 06:07

Tgt Ion: 75 Resp: 45068
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

