

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027372.D
 Acq On : 03 Oct 2018 21:52
 Operator : MD/SY
 Sample : J5163-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 04 00:00:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	90874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159055	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	149401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67987	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	94921	62.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.10%	
35) Dibromofluoromethane	4.89	113	67019	61.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.96%	
50) Toluene-d8	7.57	98	245992	60.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.60%	
62) 4-Bromofluorobenzene	10.31	95	78497	51.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.54%	

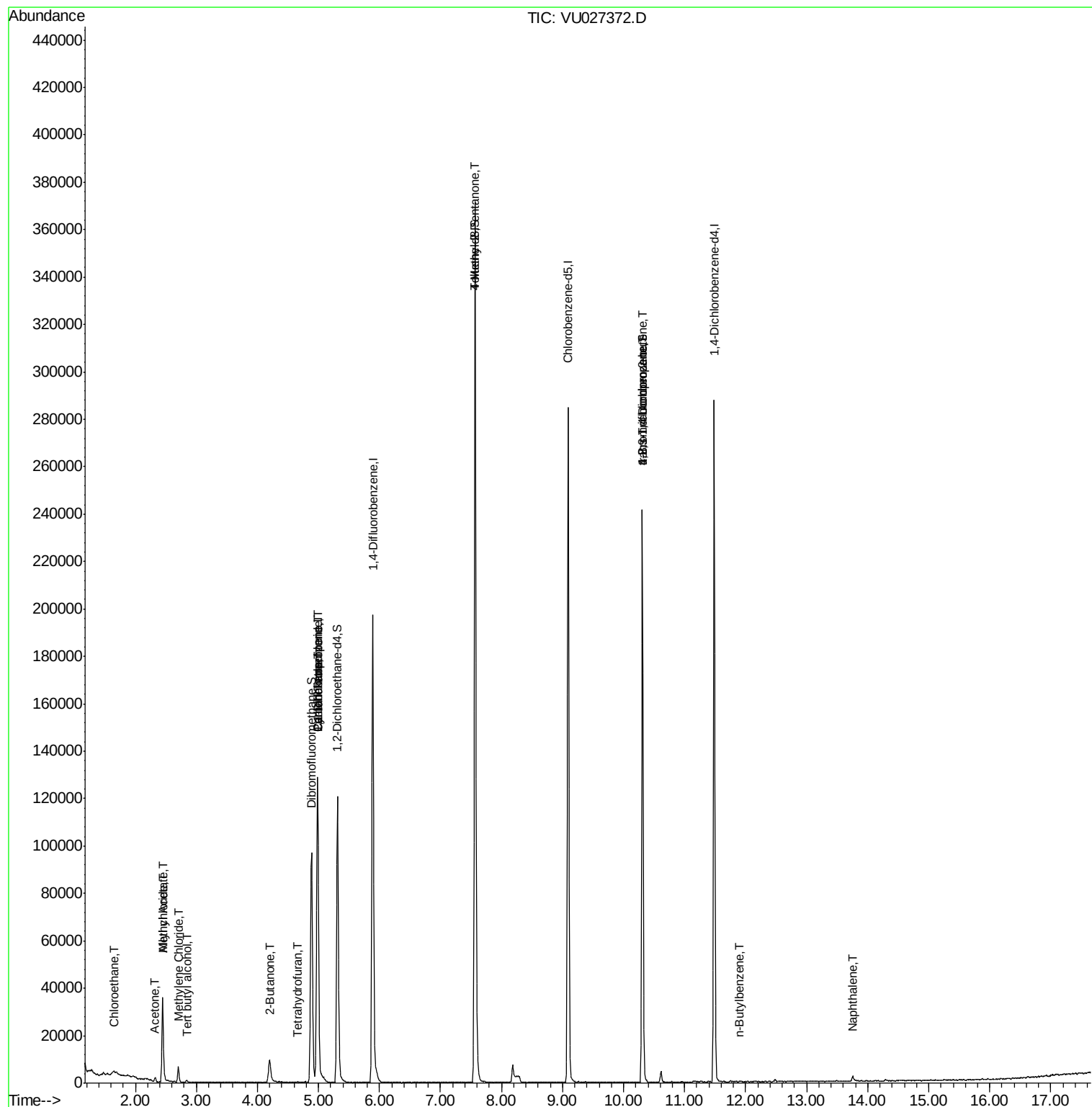
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.65	64	4343	4.335	ug/l #	44
11) Tert butyl alcohol	2.84	59	437	1.368	ug/l #	72
14) Allyl chloride	2.45	41	3677	1.613	ug/l #	68
16) Acetone	2.32	43	1863	2.078	ug/l	94
18) Methyl Acetate	2.45	43	8906	4.355	ug/l #	56
20) Methylene Chloride	2.70	84	2894	2.318	ug/l	92
25) 2-Butanone	4.20	43	345	0.282	ug/l #	54
29) Tetrahydrofuran	4.66	42	169	0.219	ug/l #	39
31) Cyclohexane	4.98	56	2389	0.747	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8780	5.084	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9602	6.155	ug/l #	19
51) 4-Methyl-2-Pentanone	7.57	43	1328	0.590	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	43349	24.597	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	43349	64.373	ug/l #	100
89) n-Butylbenzene	11.89	91	181	1.989	ug/l #	33
95) Naphthalene	13.75	128	3371	2.294	ug/l #	84

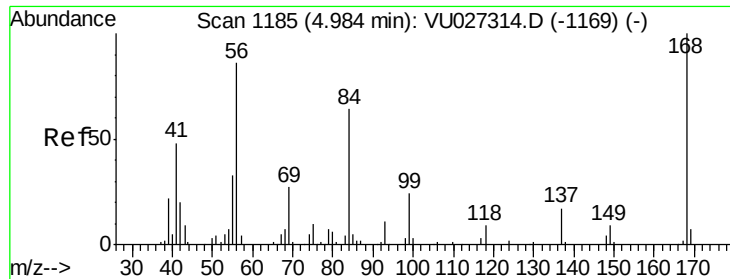
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
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: VU027372.D

Acq: 03 Oct 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

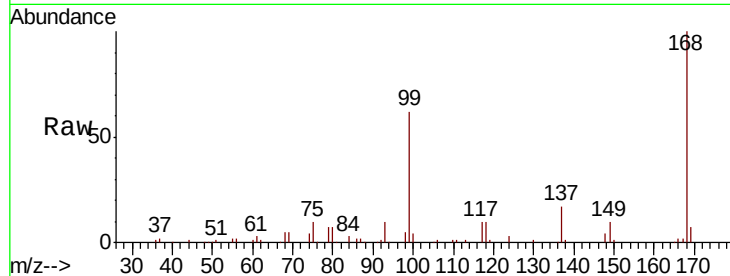
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Tgt Ion:168 Resp: 90874

Ion Ratio Lower Upper

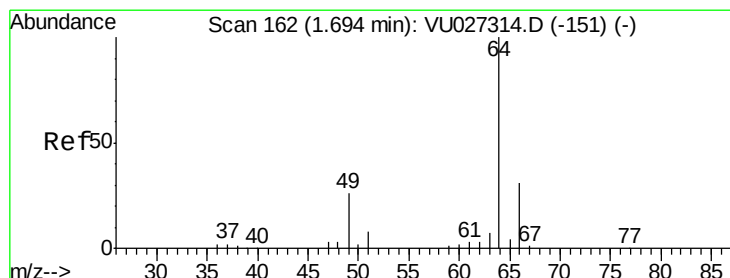
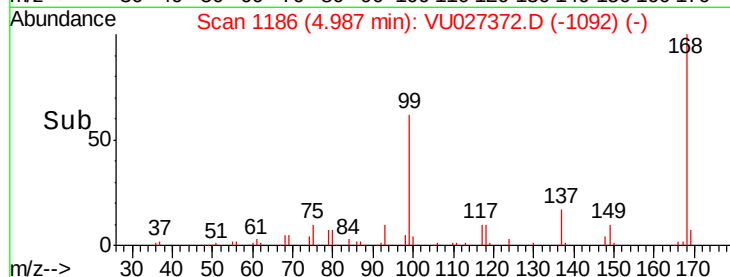
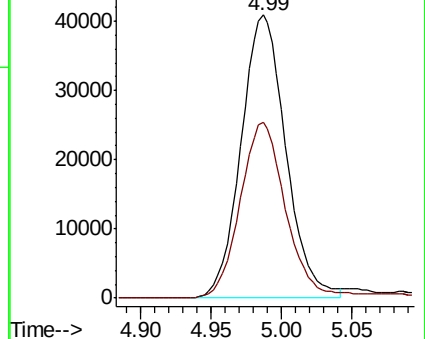
168 100

99 62.1 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)



#6

Chloroethane

Concen: 4.335 ug/l

RT: 1.65 min Scan# 148

Delta R.T. -0.04 min

Lab File: VU027372.D

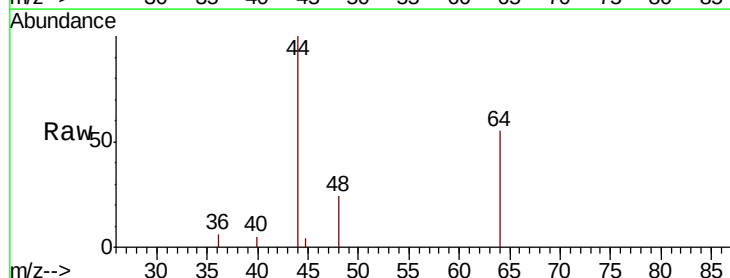
Acq: 03 Oct 2018 21:52

Tgt Ion: 64 Resp: 4343

Ion Ratio Lower Upper

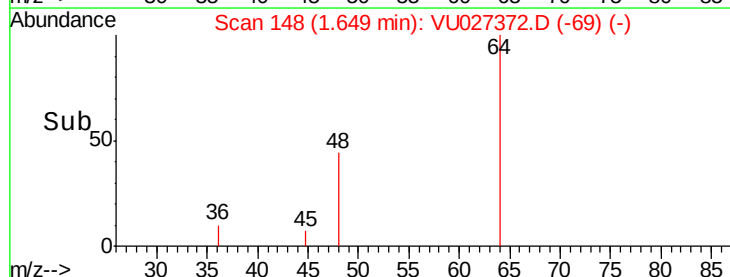
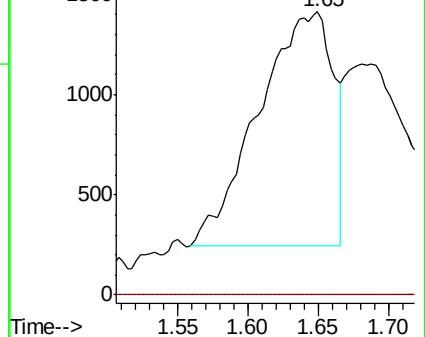
64 100

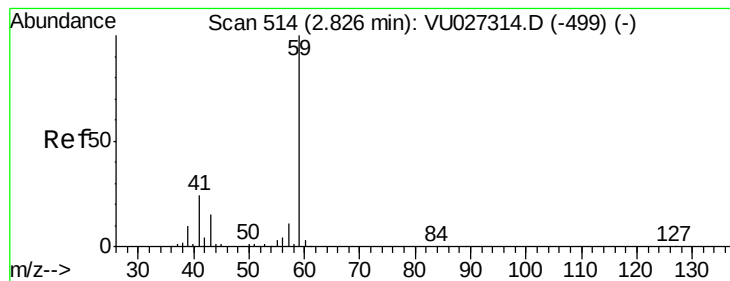
66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)



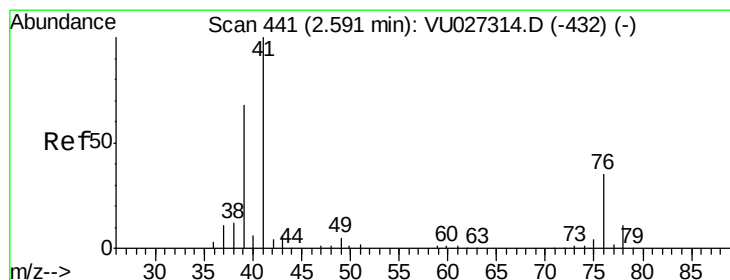
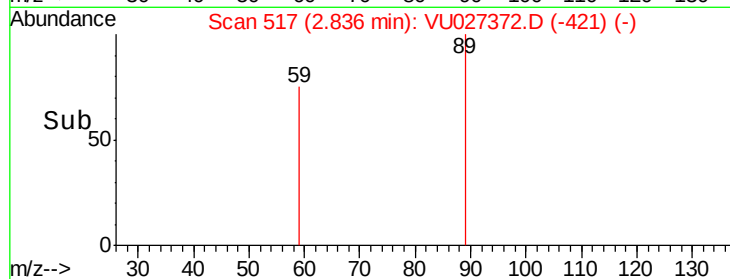
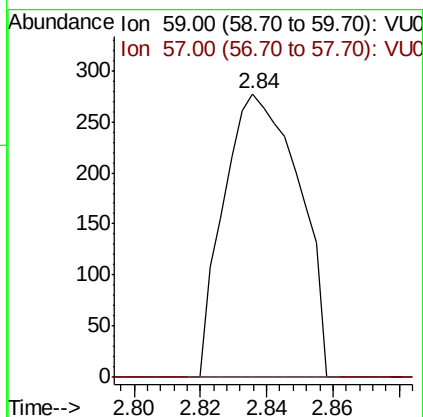
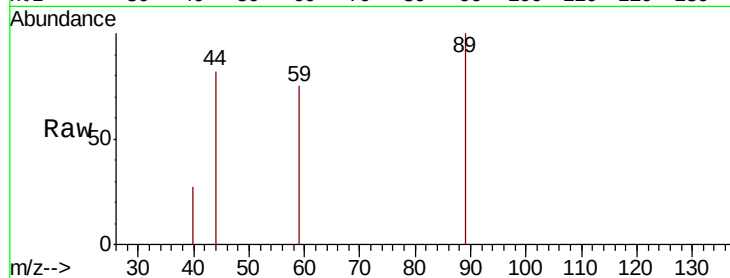


#11

Tert butyl alcohol
 Concen: 1.368 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027372.D
 Acq: 03 Oct 2018 21:52

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

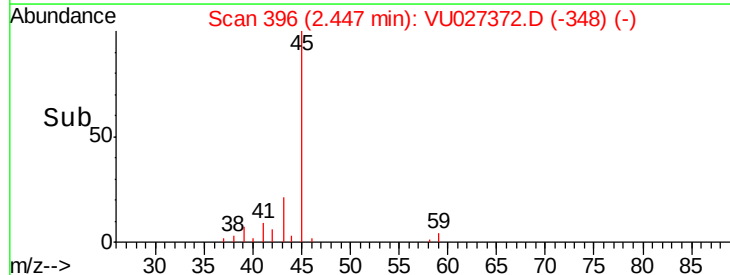
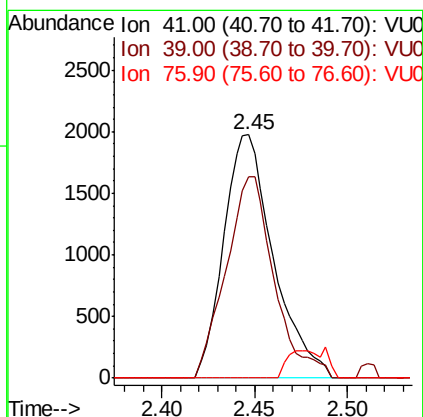
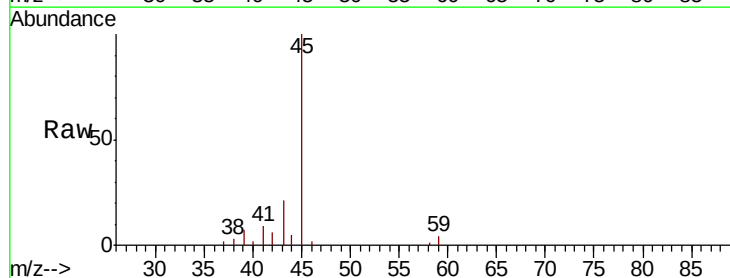
Tgt Ion: 59 Resp: 437
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

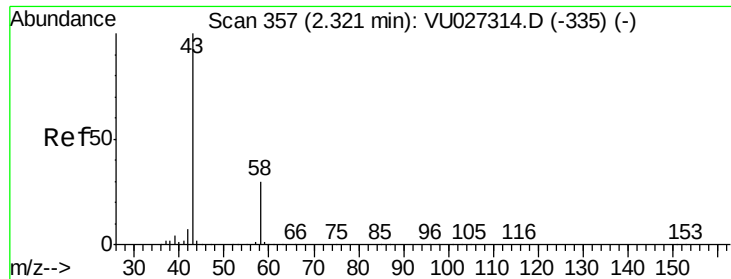


#14

Allyl chloride
 Concen: 1.613 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.14 min
 Lab File: VU027372.D
 Acq: 03 Oct 2018 21:52

Tgt Ion: 41 Resp: 3677
 Ion Ratio Lower Upper
 41 100
 39 80.2 51.8 77.8#
 76 0.0 25.9 38.9#





#16

Acetone

Concen: 2.078 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

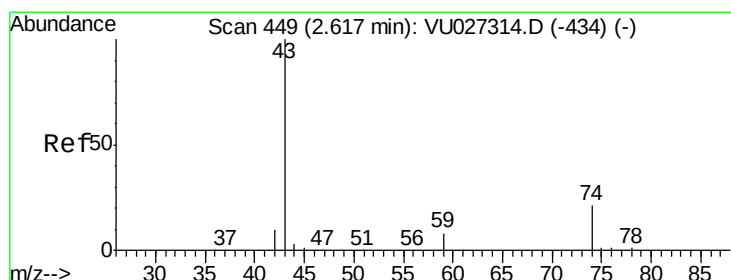
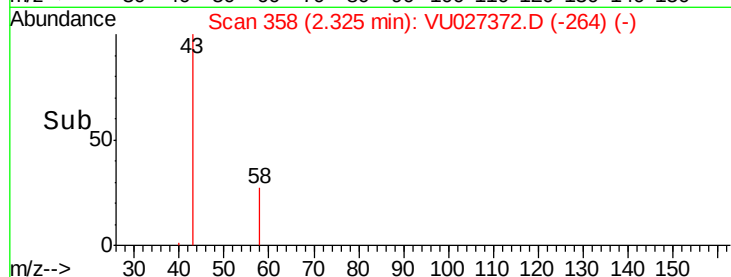
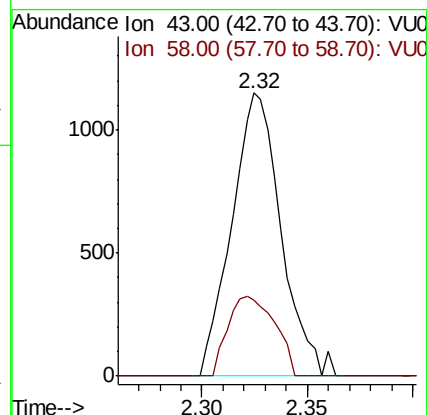
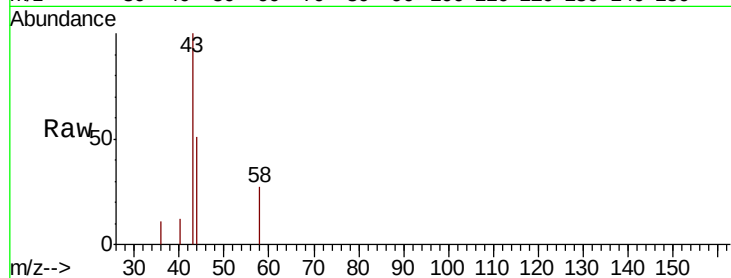
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Tgt Ion: 43 Resp: 1863

Ion Ratio Lower Upper

43 100

58 26.8 24.2 36.4



#18

Methyl Acetate

Concen: 4.355 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027372.D

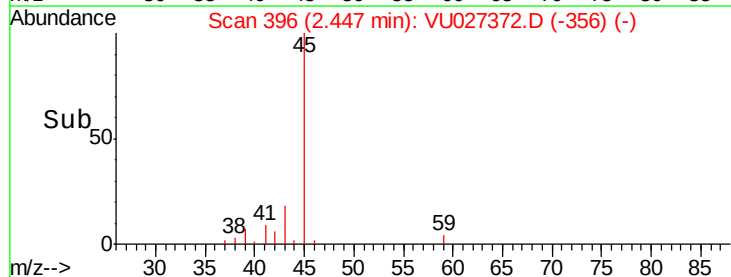
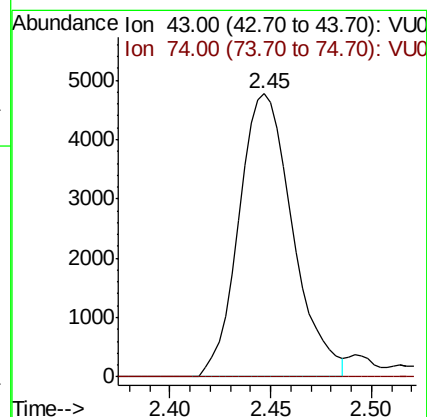
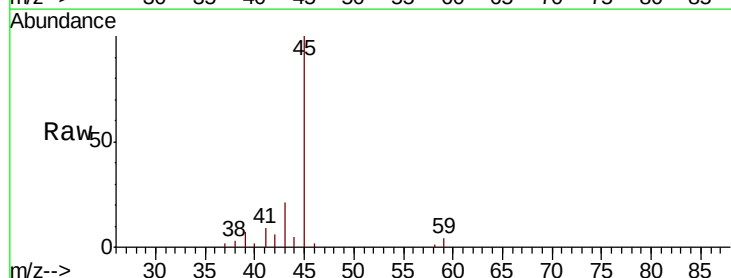
Acq: 03 Oct 2018 21:52

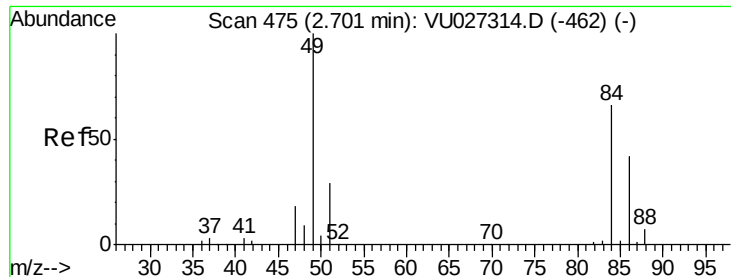
Tgt Ion: 43 Resp: 8906

Ion Ratio Lower Upper

43 100

74 0.0 16.5 24.7#

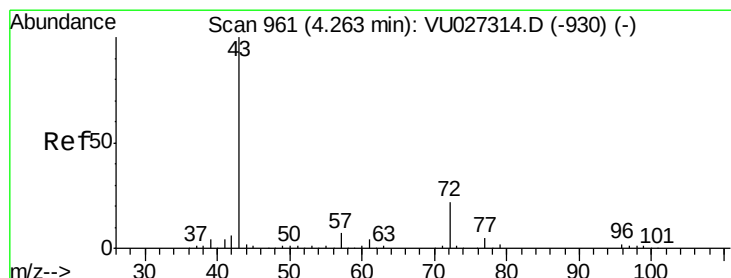
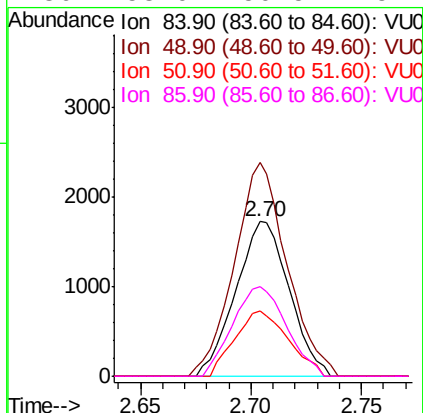
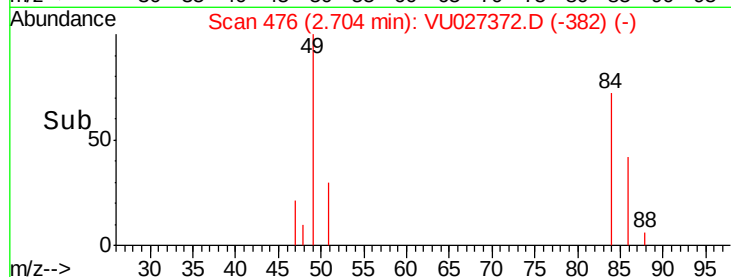
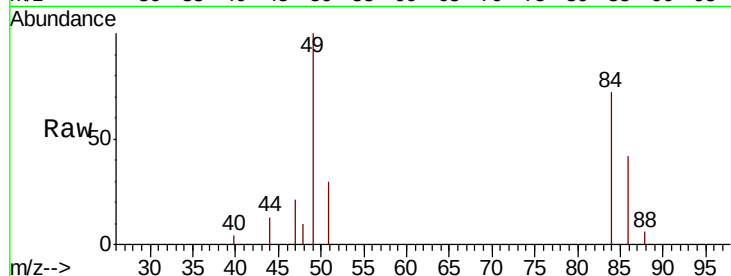




#20
Methylene Chloride
Concen: 2.318 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

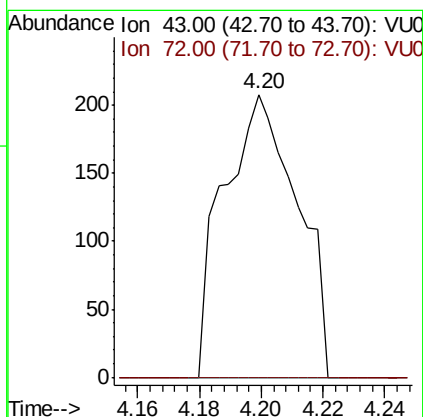
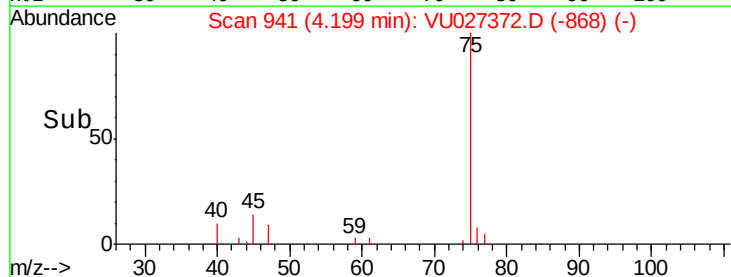
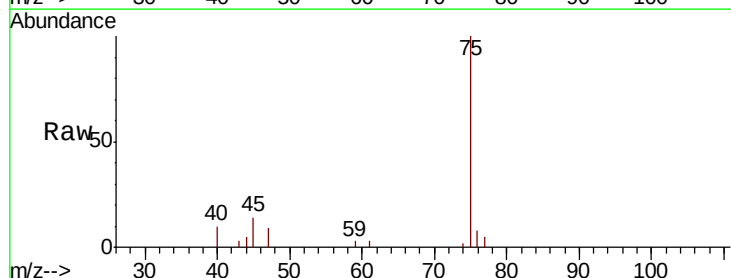
Instrument :
MSVOA_U
ClientSampleId :
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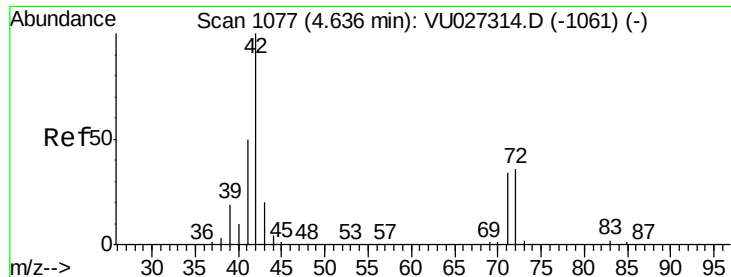
Tgt Ion: 84 Resp: 2894
Ion Ratio Lower Upper
84 100
49 138.3 120.5 180.7
51 42.2 35.1 52.7
86 58.0 50.5 75.7



#25
2-Butanone
Concen: 0.282 ug/l
RT: 4.20 min Scan# 941
Delta R.T. -0.06 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6#





#29

Tetrahydrofuran

Concen: 0.219 ug/l

RT: 4.66 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

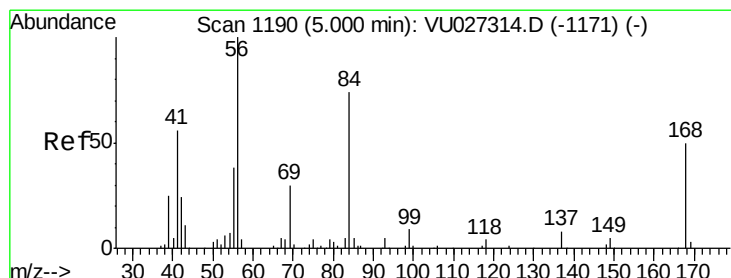
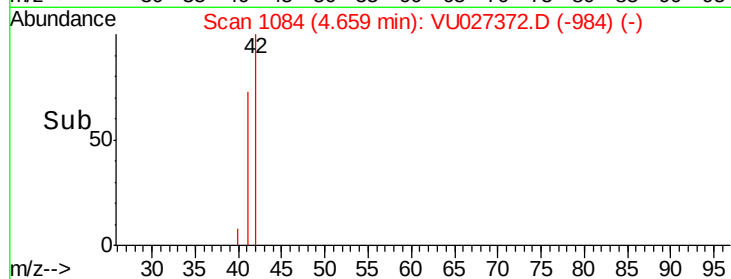
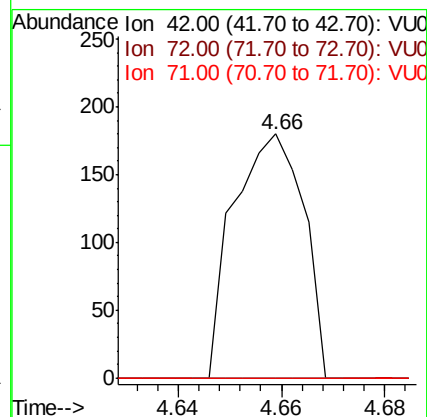
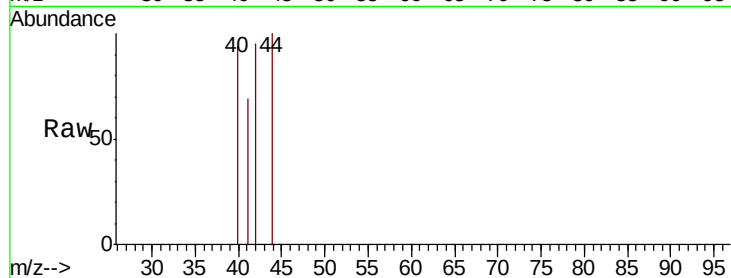
Tgt Ion: 42 Resp: 169

Ion Ratio Lower Upper

42 100

72 0.0 30.1 45.1#

71 0.0 27.7 41.5#



#31

Cyclohexane

Concen: 0.747 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

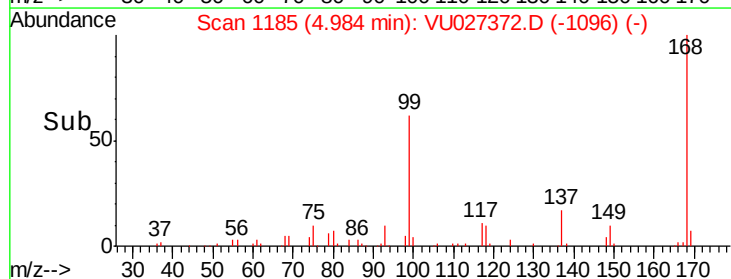
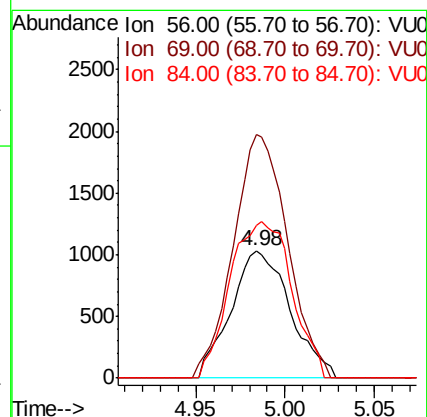
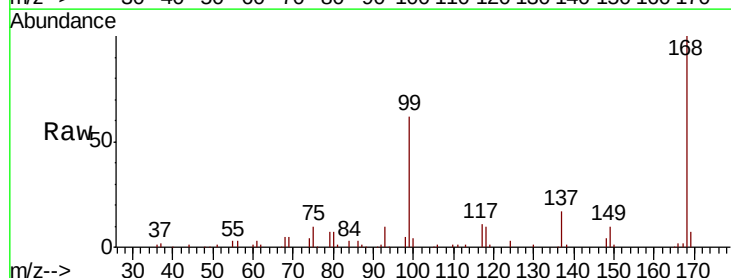
Tgt Ion: 56 Resp: 2389

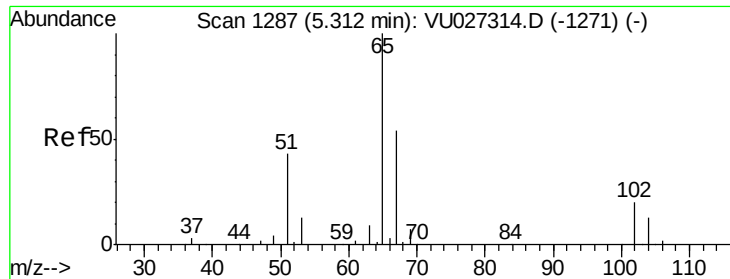
Ion Ratio Lower Upper

56 100

69 190.7 24.1 36.1#

84 119.4 59.1 88.7#

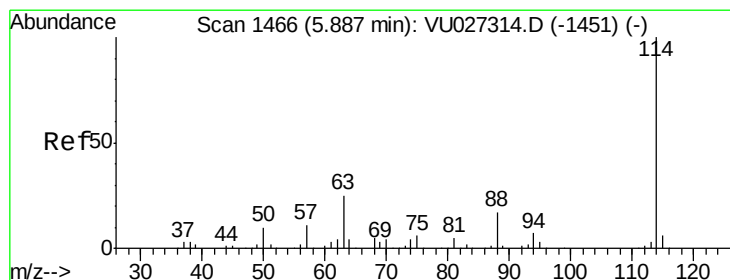
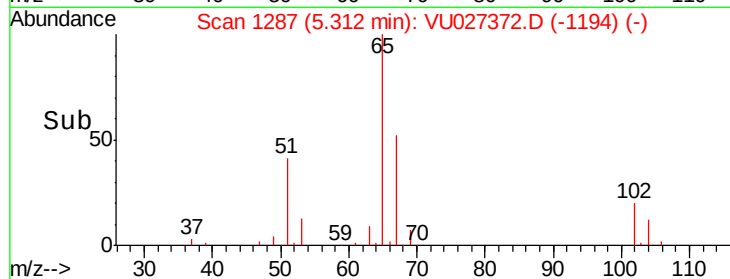
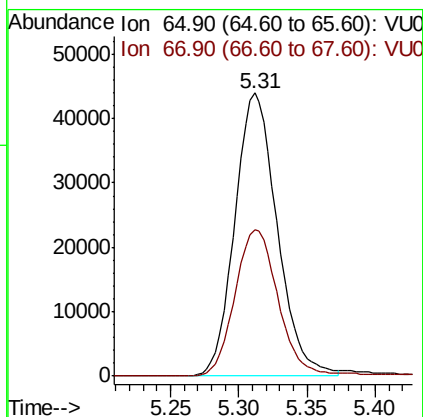
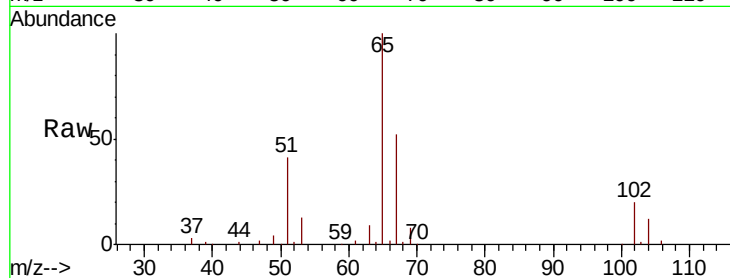




#33
 1,2-Dichloroethane-d4
 Concen: 62.553 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027372.D
 Acq: 03 Oct 2018 21:52

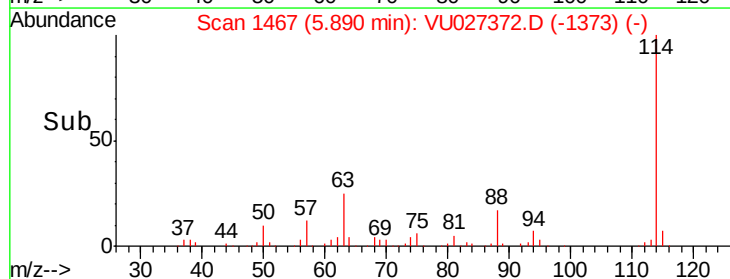
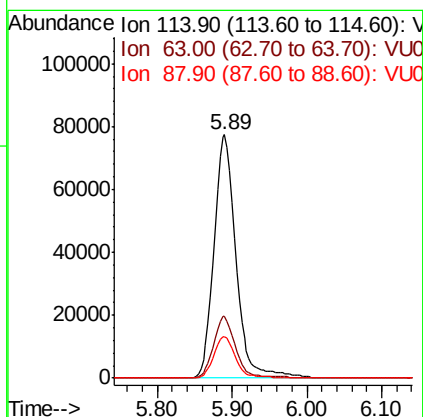
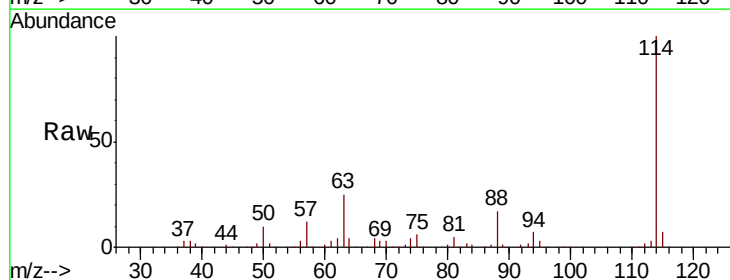
Instrument :
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 ClientSampleId :
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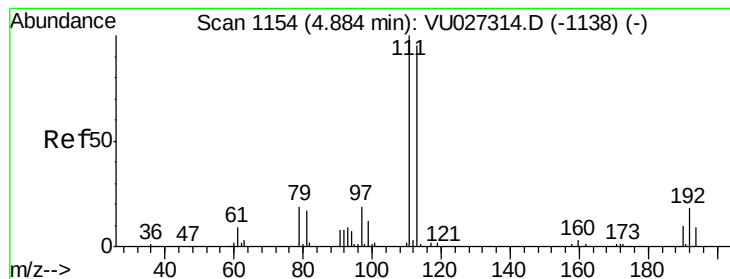
Tgt Ion: 65 Resp: 94921
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027372.D
 Acq: 03 Oct 2018 21:52

Tgt Ion: 114 Resp: 159055
 Ion Ratio Lower Upper
 114 100
 63 25.3 0.0 50.2
 88 17.2 0.0 33.8





#35

Dibromofluoromethane

Concen: 61.482 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

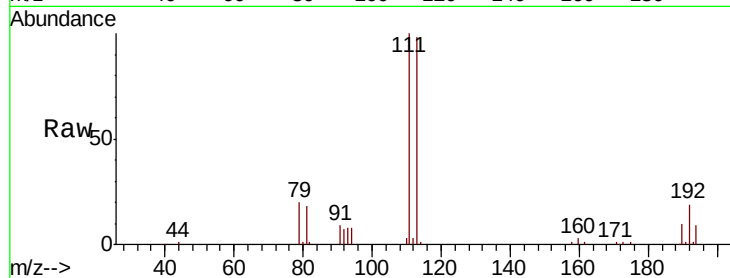
Tgt Ion:113 Resp: 67019

Ion Ratio Lower Upper

113 100

111 103.5 83.1 124.7

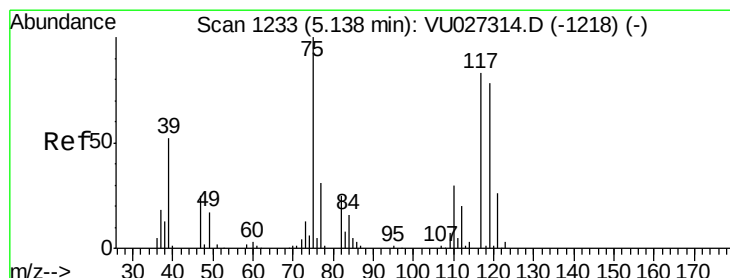
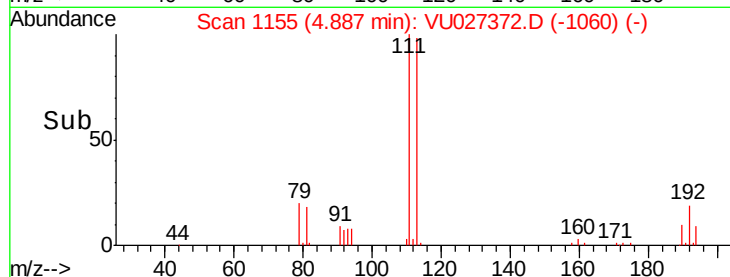
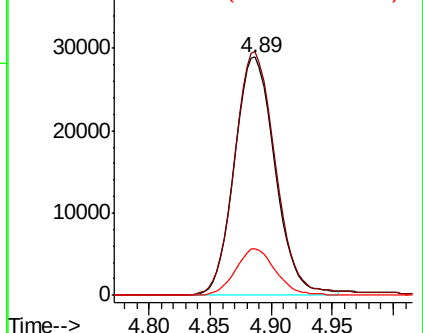
192 19.1 15.4 23.0



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: 5.084 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

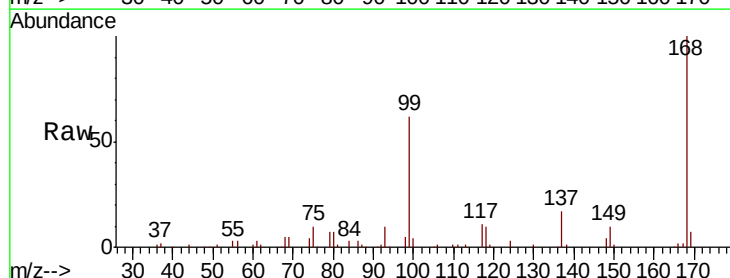
Tgt Ion: 75 Resp: 8780

Ion Ratio Lower Upper

75 100

110 6.7 15.5 46.5#

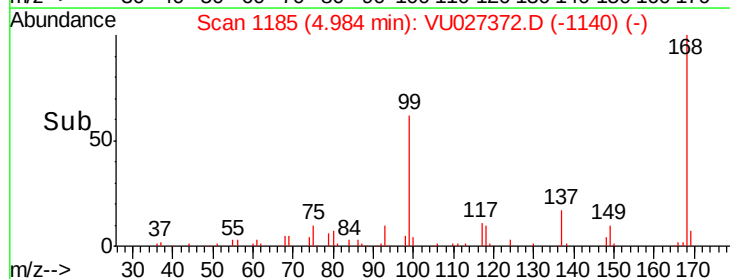
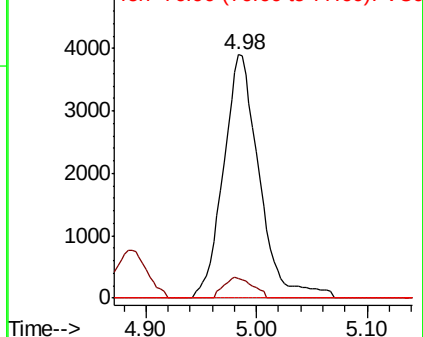
77 0.0 25.4 38.0#

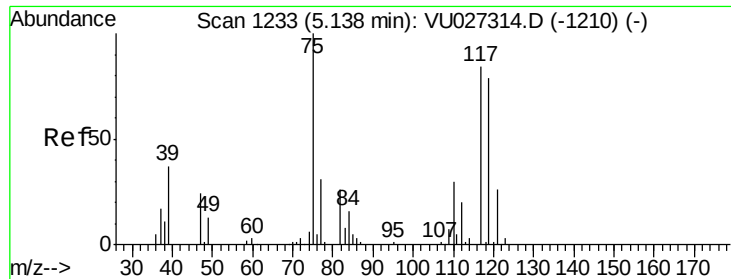


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

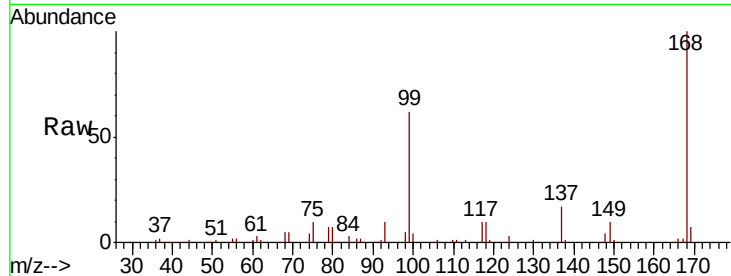




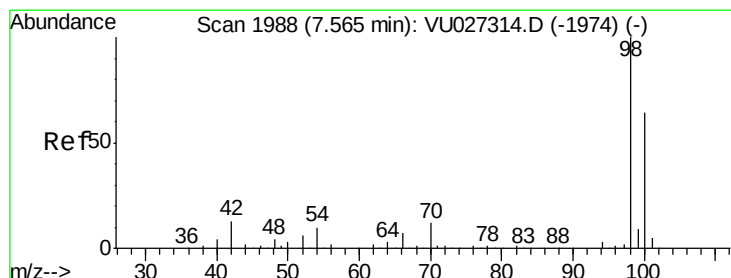
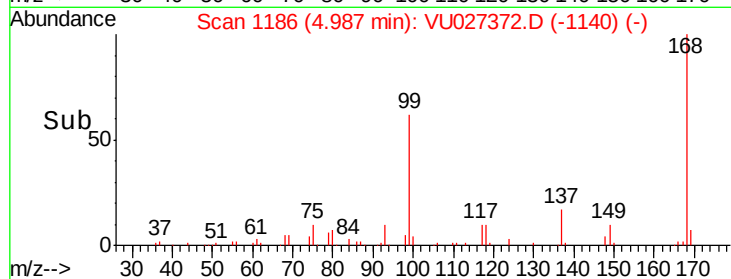
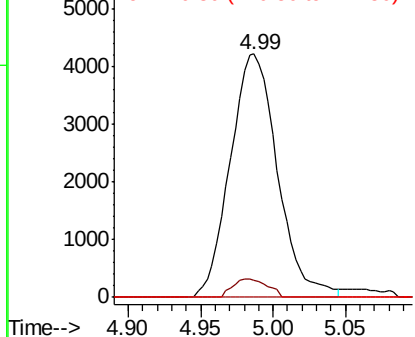
#38
Carbon Tetrachloride
Concen: 6.155 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Tgt Ion:117 Resp: 9602
Ion Ratio Lower Upper
117 100
119 7.0 74.5 111.7#
121 0.0 24.6 37.0#

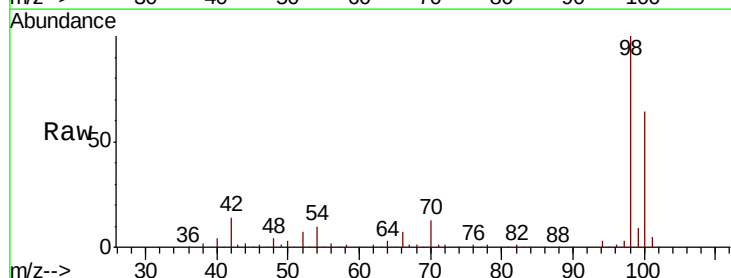


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

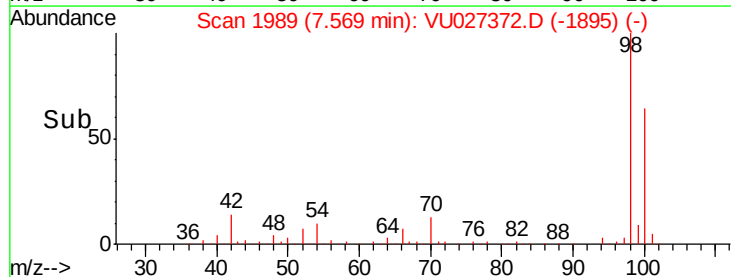
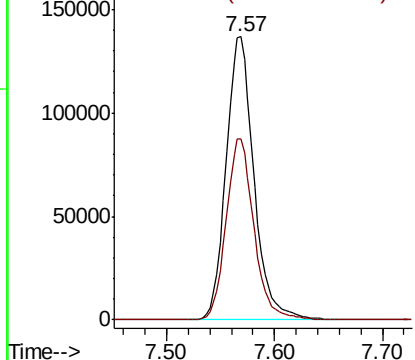


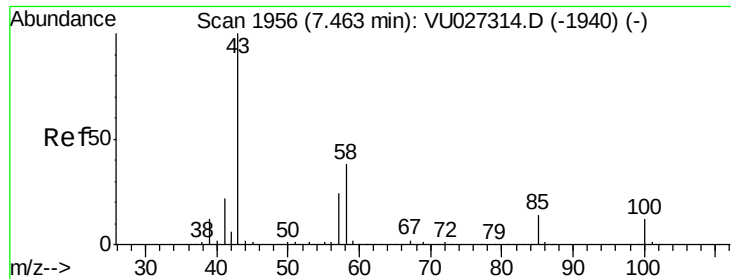
#50
Toluene-d8
Concen: 60.296 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Tgt Ion: 98 Resp: 245992
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

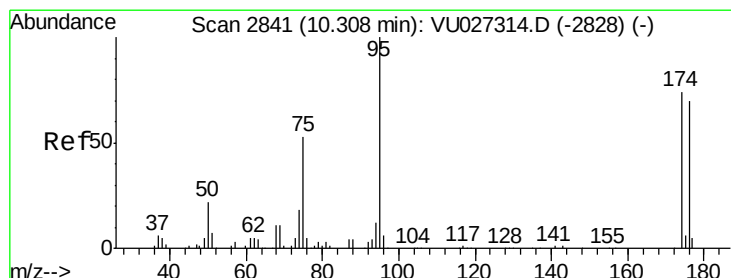
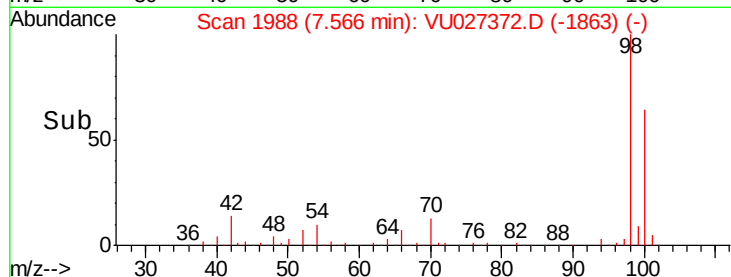
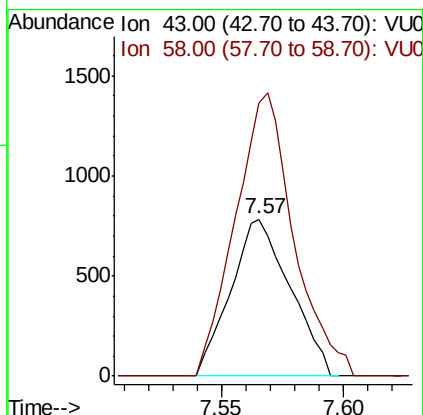
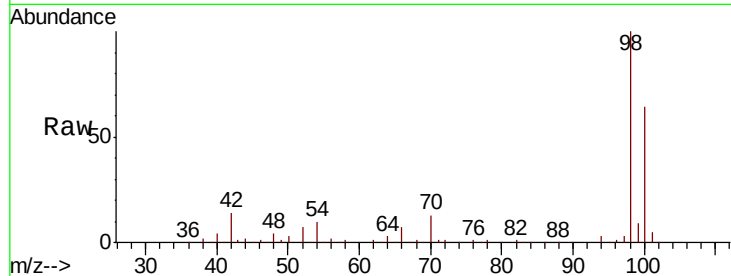




#51
 4-Methyl-2-Pentanone
 Concen: 0.590 ug/l
 RT: 7.57 min Scan# 1988
 Delta R.T. 0.10 min
 Lab File: VU027372.D
 Acq: 03 Oct 2018 21:52

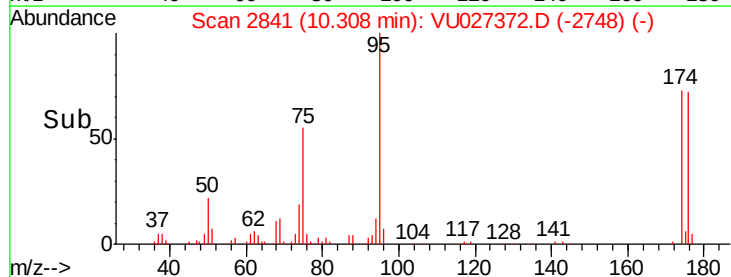
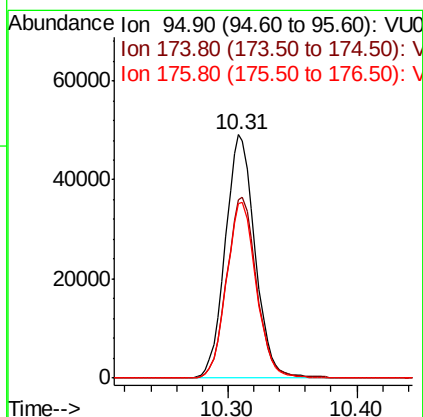
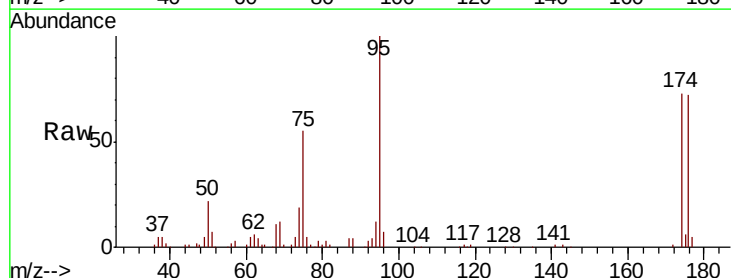
Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

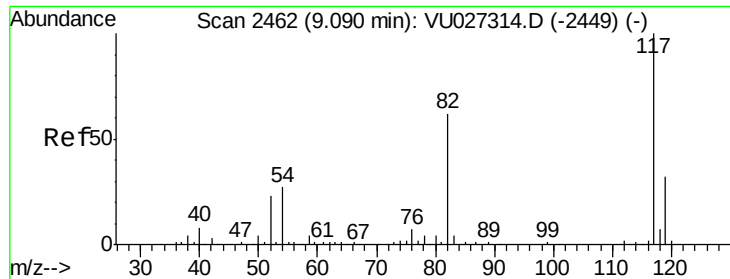
Tgt Ion: 43 Resp: 1328
 Ion Ratio Lower Upper
 43 100
 58 177.0 29.8 44.8#



#62
 4-Bromofluorobenzene
 Concen: 51.773 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027372.D
 Acq: 03 Oct 2018 21:52

Tgt Ion: 95 Resp: 78497
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 147.8
 176 72.4 0.0 140.8

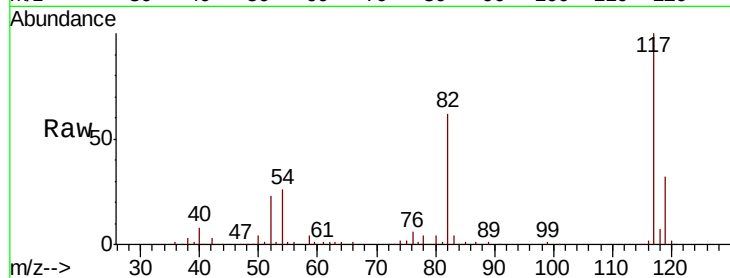




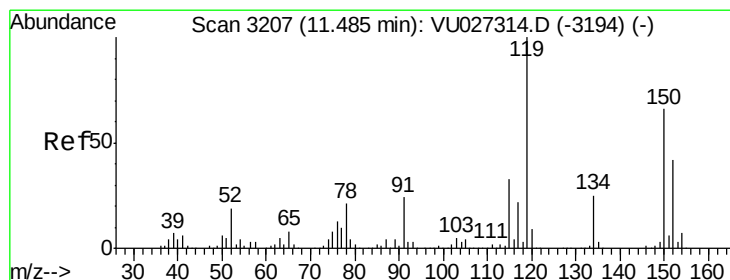
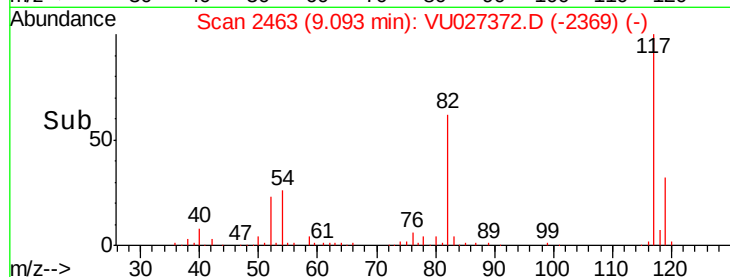
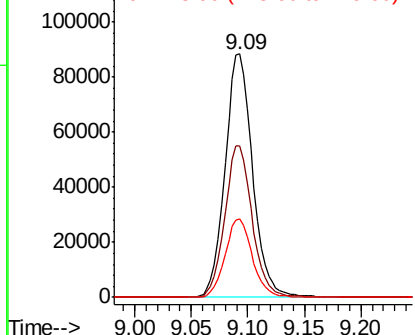
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Tgt Ion:117 Resp: 149401
Ion Ratio Lower Upper
117 100
82 62.0 49.2 73.8
119 32.3 25.7 38.5

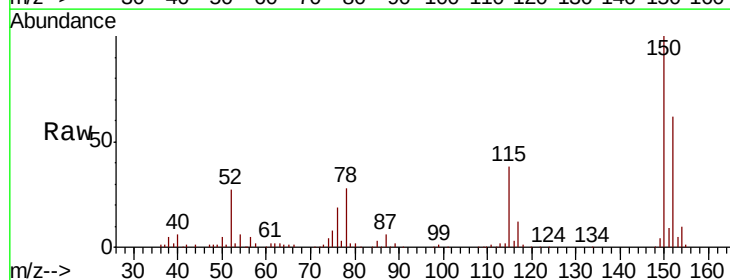


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

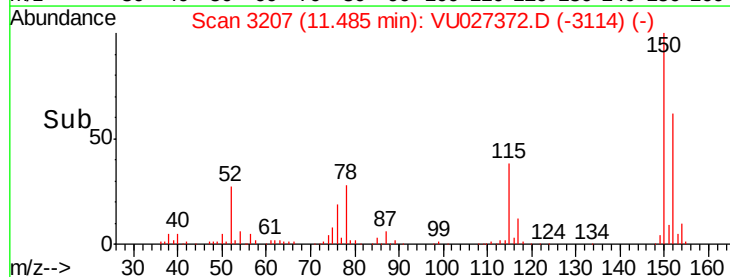
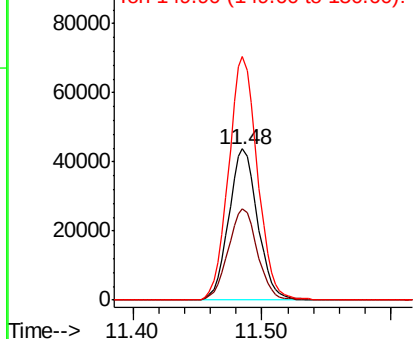


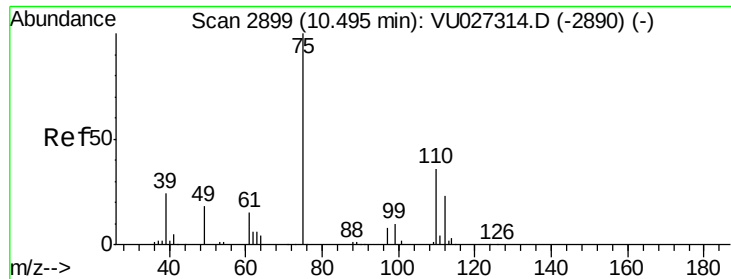
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Tgt Ion:152 Resp: 67987
Ion Ratio Lower Upper
152 100
115 61.2 43.4 130.2
150 160.6 0.0 349.2



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: 24.597 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

Instrument :

MSVOA_U

ClientSampleId :

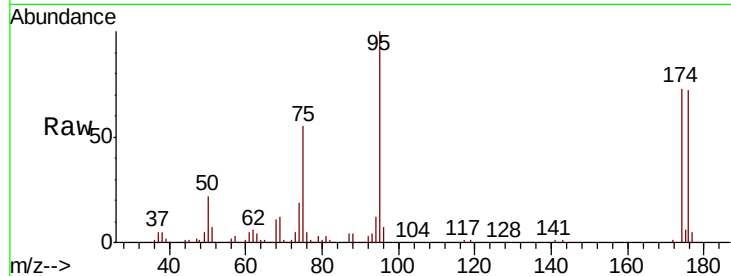
TRIP-BLANK

Tgt Ion: 75 Resp: 43349

Ion Ratio Lower Upper

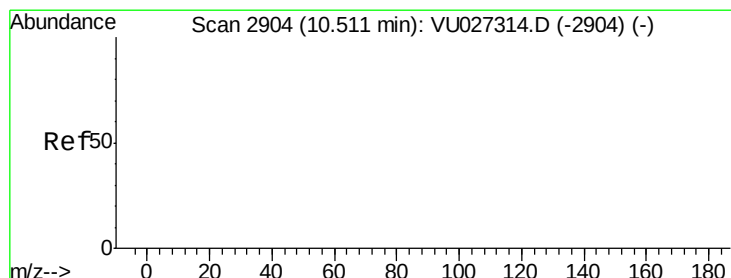
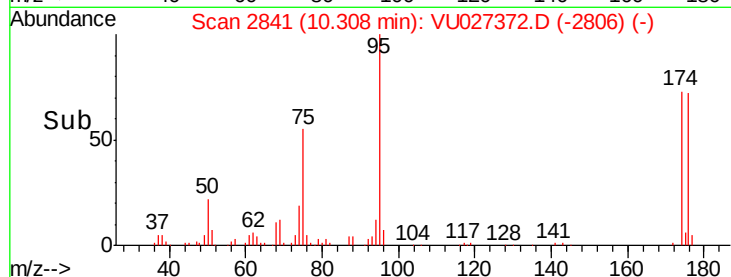
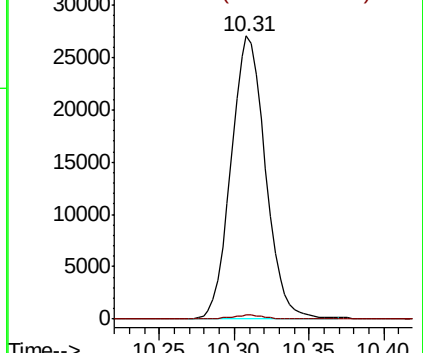
75 100

77 1.2 20.3 60.9#



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: 64.373 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027372.D

Acq: 03 Oct 2018 21:52

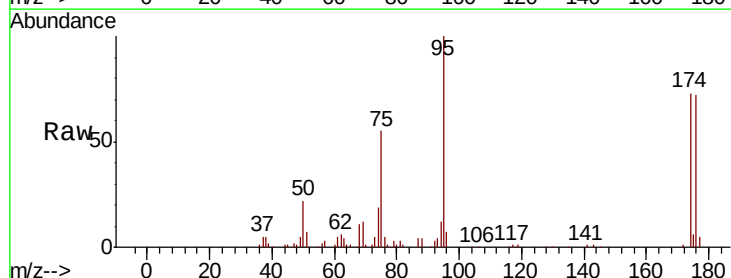
Tgt Ion: 75 Resp: 43349

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

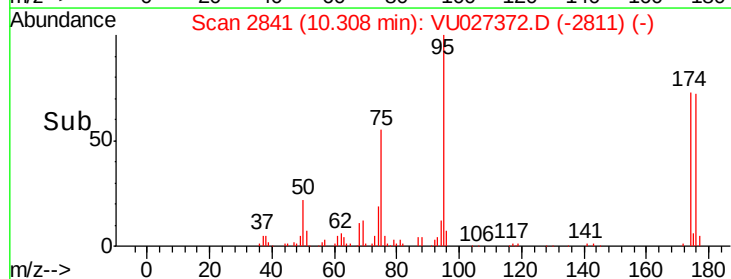
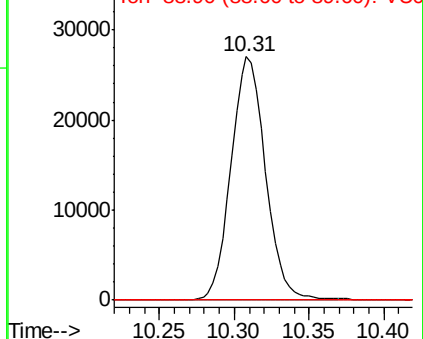
89 0.0 0.0 0.0

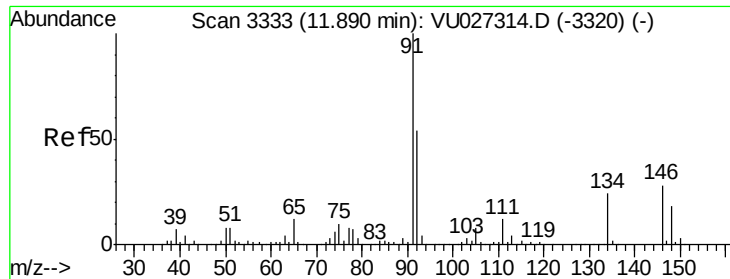


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

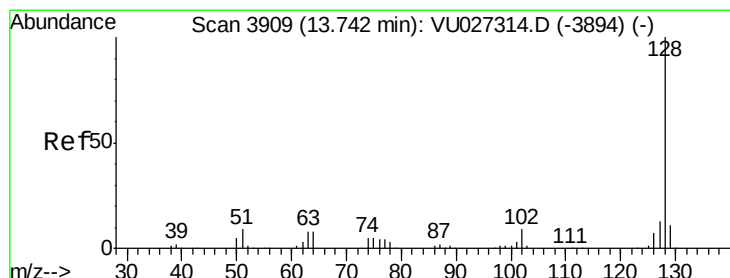
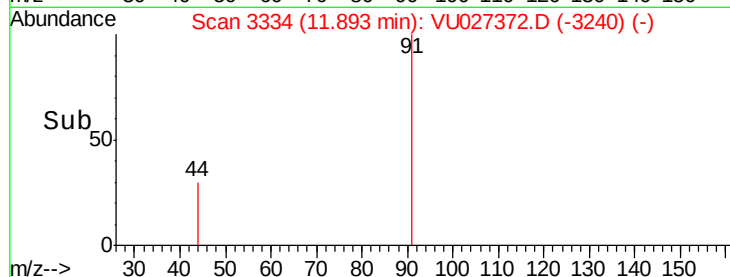
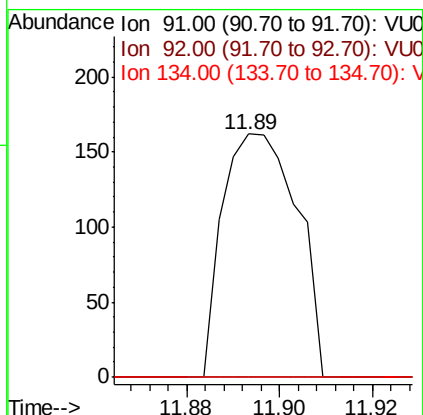
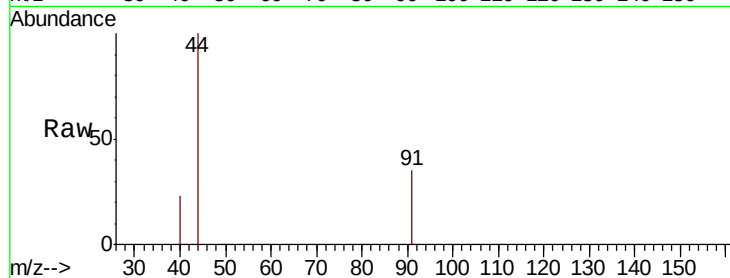




#89
n-Butylbenzene
Concen: 1.989 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

Tgt Ion: 91 Resp: 181
Ion Ratio Lower Upper
91 100
92 0.0 27.0 81.0#
134 0.0 11.7 35.1#



#95
Naphthalene
Concen: 2.294 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027372.D
Acq: 03 Oct 2018 21:52

Tgt Ion: 128 Resp: 3371
Ion Ratio Lower Upper
128 100
127 7.5 10.5 15.7#
129 3.6 8.6 12.8#

