

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027150.D
 Acq On : 26 Sep 2018 00:56
 Operator : MD/SY
 Sample : J4968-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ135I-20180916

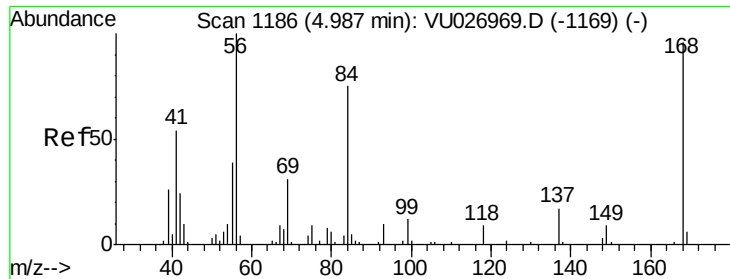
Quant Time: Sep 26 06:03:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	90691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	154082	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65494	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	97212	53.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.52%	
35) Dibromofluoromethane	4.88	113	66701	49.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.88%	
50) Toluene-d8	7.57	98	245973	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	10.31	95	76891	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	9087	7.463	ug/l #	57
11) Tert butyl alcohol	2.83	59	542	1.295	ug/l #	72
14) Allyl chloride	2.44	41	2923	1.151	ug/l #	79
16) Acetone	2.32	43	2950	Below Cal		91
18) Methyl Acetate	2.45	43	7038	2.709	ug/l #	55
20) Methylene Chloride	2.71	84	440	0.269	ug/l #	56
24) 1,1-Dichloroethane	3.45	63	1292	0.432	ug/l #	84
31) Cyclohexane	4.98	56	2326	0.283	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8898	4.327	ug/l #	49
38) Carbon Tetrachloride	4.98	117	9433	4.820	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1283	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	42610	21.415	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	42610	68.533	ug/l #	100
87) 1,3-Dichlorobenzene	11.51	146	479	0.211	ug/l #	35

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

Instrument :

MSVOA_U

ClientSampleId :

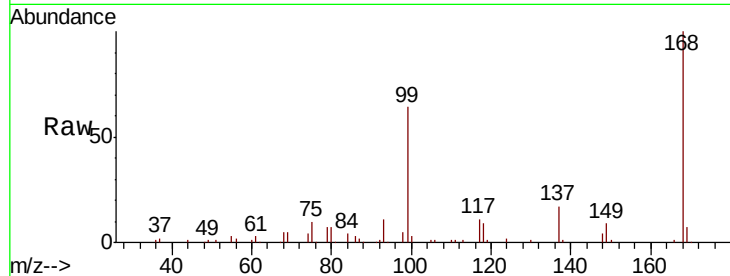
SA-PZ135I-20180916

Tot Ion:168 Resp: 90691

Ion Ratio Lower Upper

168 100

99 63.8 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

40000

30000

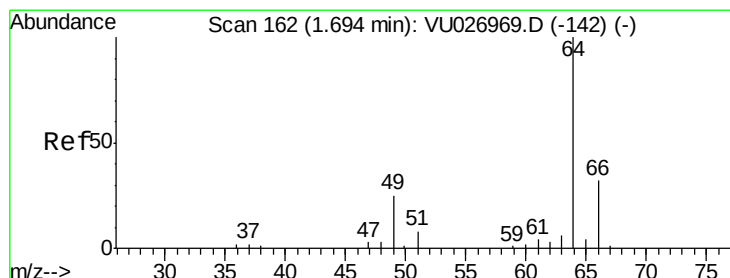
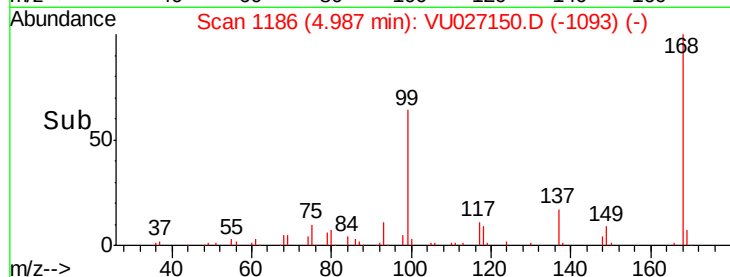
20000

10000

0

Time-->

4.90 5.00 5.10



#6

Chloroethane

Concen: 7.463 ug/l

RT: 1.59 min Scan# 129

Delta R.T. -0.11 min

Lab File: VU027150.D

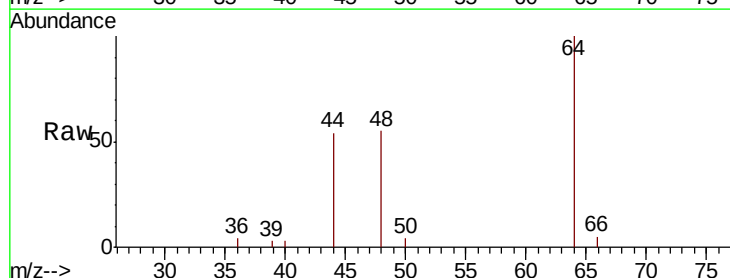
Acq: 26 Sep 2018 00:56

Tgt Ion: 64 Resp: 9087

Ion Ratio Lower Upper

64 100

66 7.6 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) (-)

1.59

4000

3000

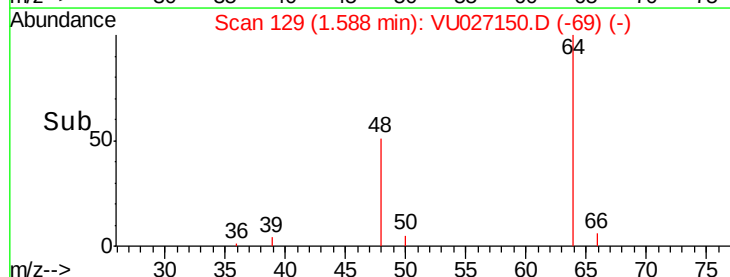
2000

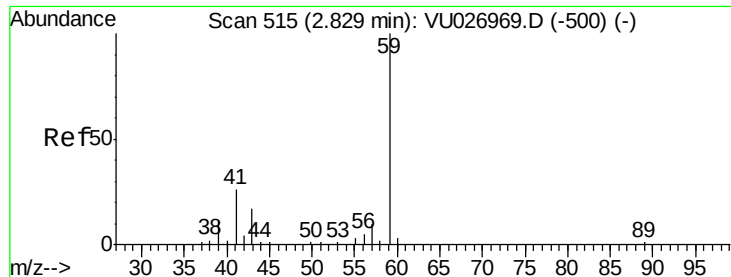
1000

0

Time-->

1.50 1.60 1.70

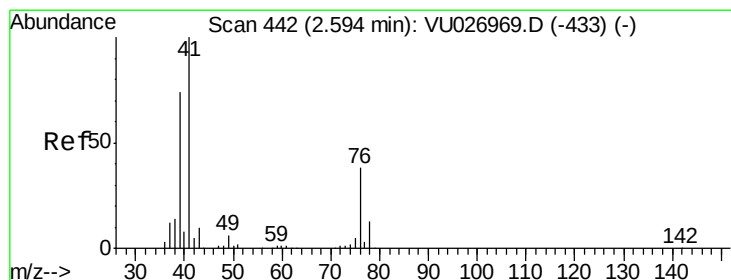
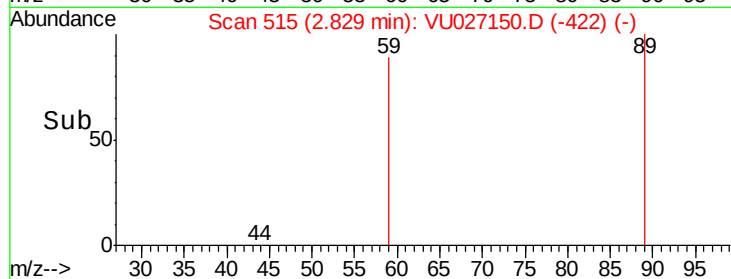
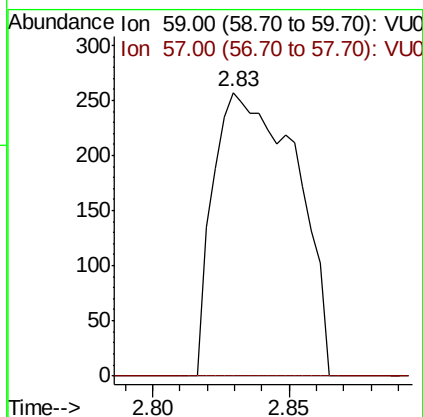
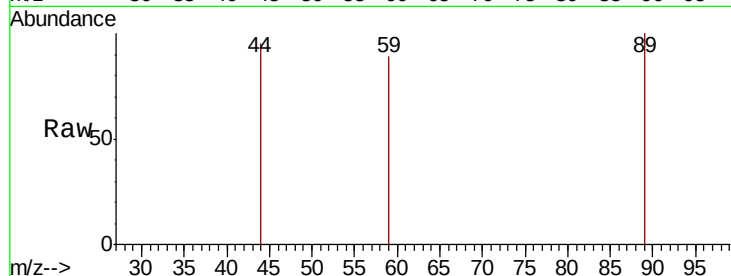




#11
Tert butyl alcohol
Concen: 1.295 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027150.D
Acq: 26 Sep 2018 00:56

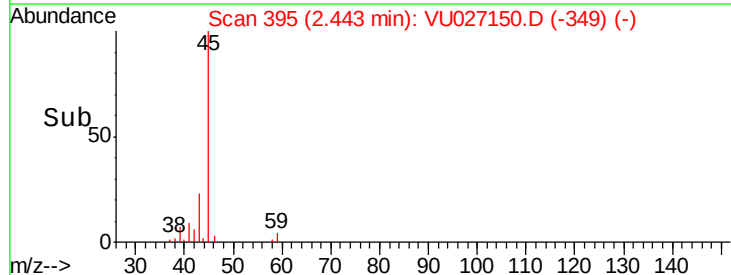
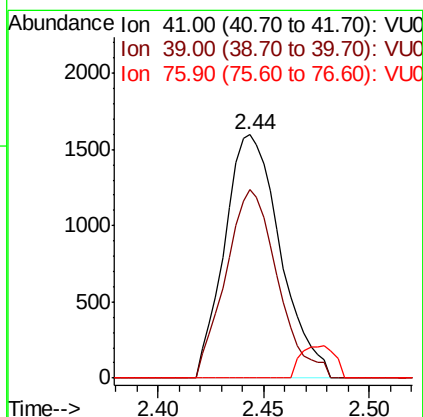
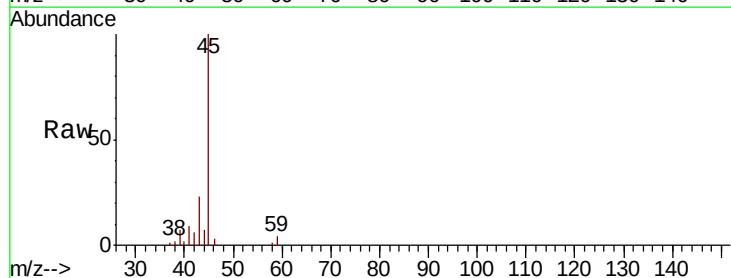
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ135I-20180916

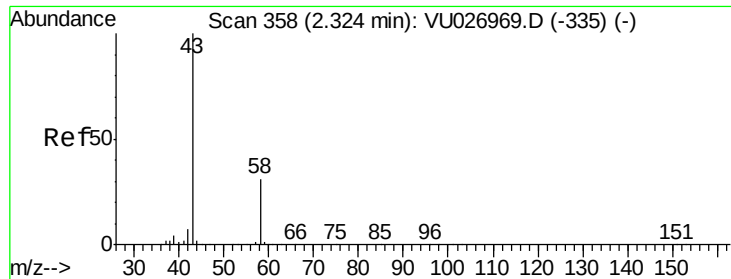
Tot Ion: 59 Resp: 542
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#14
Allyl chloride
Concen: 1.151 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.15 min
Lab File: VU027150.D
Acq: 26 Sep 2018 00:56

Tgt Ion: 41 Resp: 2923
Ion Ratio Lower Upper
41 100
39 72.3 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: VU027150.D

Acq: 26 Sep 2018 00:56

Instrument :

MSVOA_U

ClientSampleId :

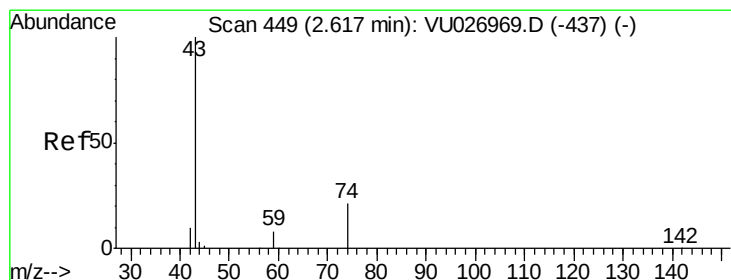
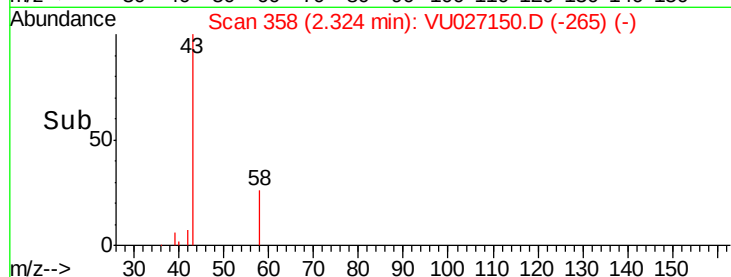
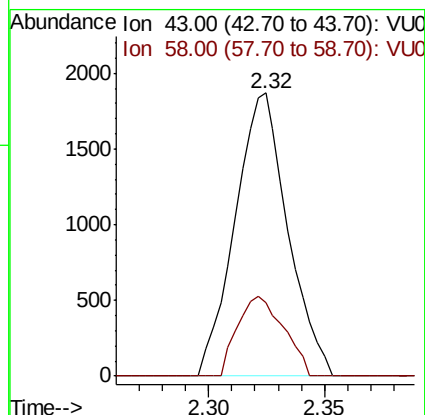
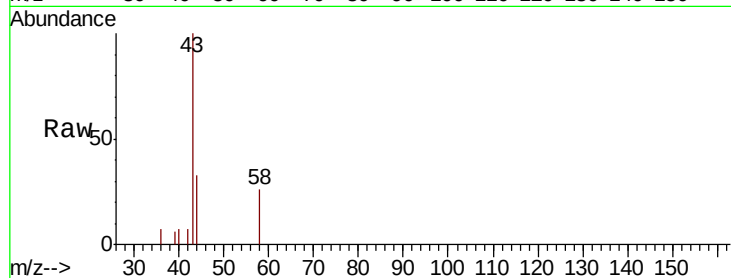
SA-PZ135I-20180916

Tot Ion: 43 Resp: 2950

Ion Ratio Lower Upper

43 100

58 25.8 24.6 36.8



#18

Methyl Acetate

Concen: 2.709 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027150.D

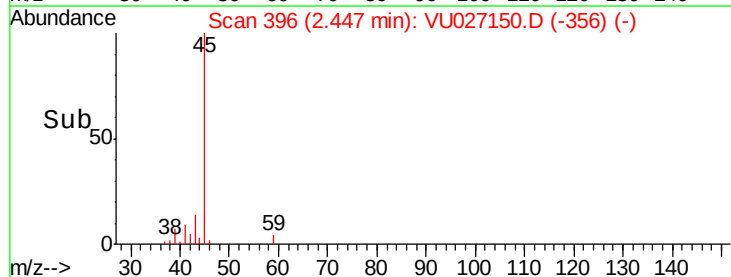
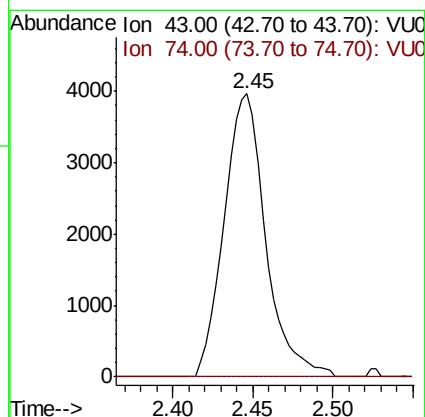
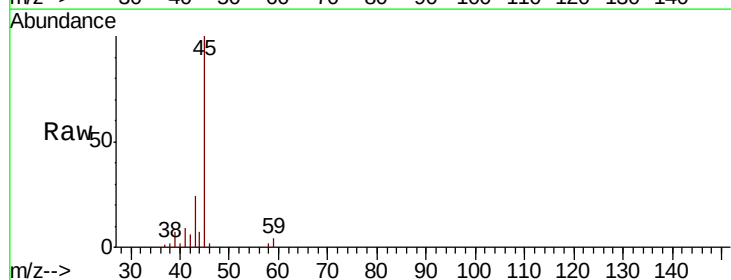
Acq: 26 Sep 2018 00:56

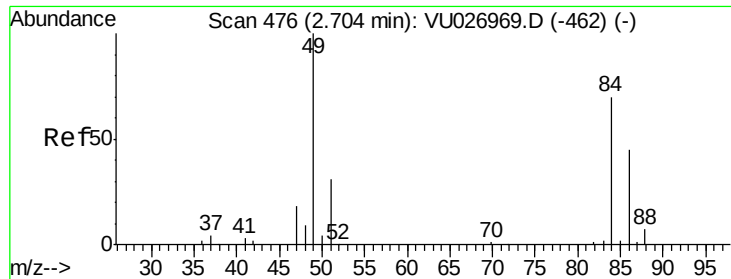
Tgt Ion: 43 Resp: 7038

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#20

Methylene Chloride

Concen: 0.269 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.00 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ135I-20180916

Tot Ion: 84 Resp: 440

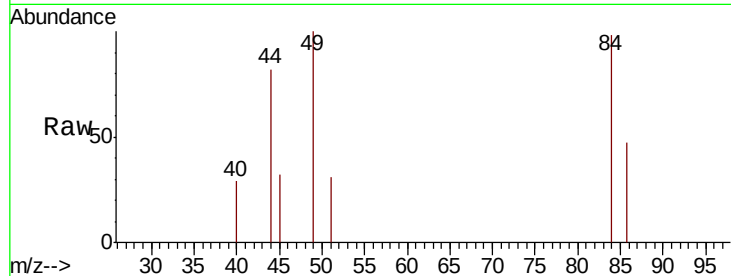
Ion Ratio Lower Upper

84 100

49 66.0 114.9 172.3#

51 32.1 35.8 53.8#

86 48.4 51.3 76.9#

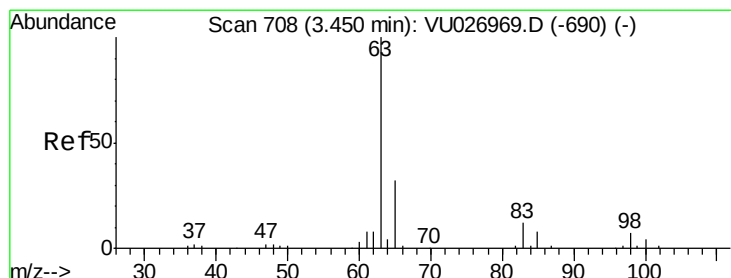
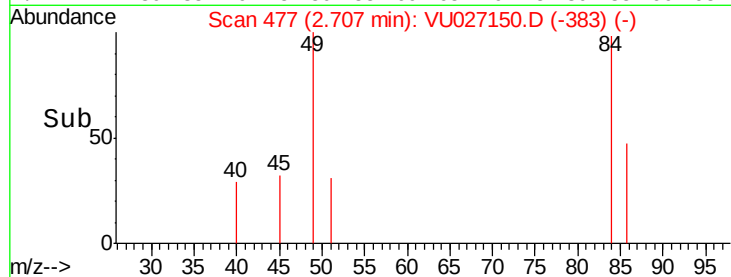
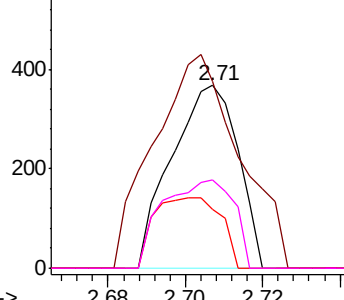


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#24

1,1-Dichloroethane

Concen: 0.432 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

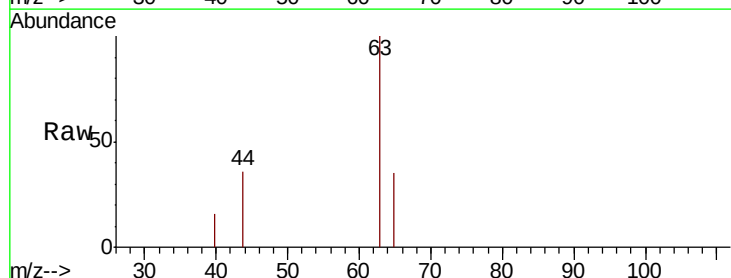
Tgt Ion: 63 Resp: 1292

Ion Ratio Lower Upper

63 100

98 0.0 3.3 9.8#

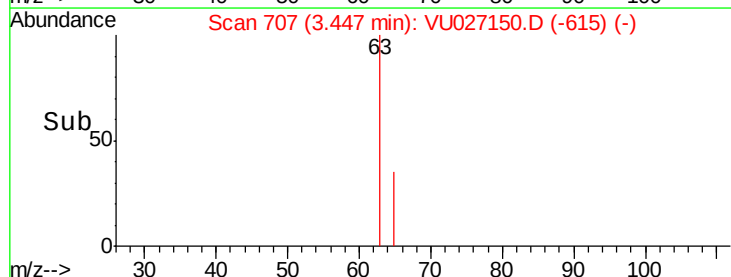
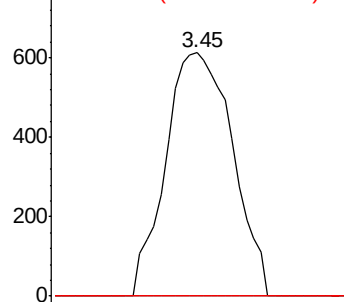
100 0.0 2.0 5.8#

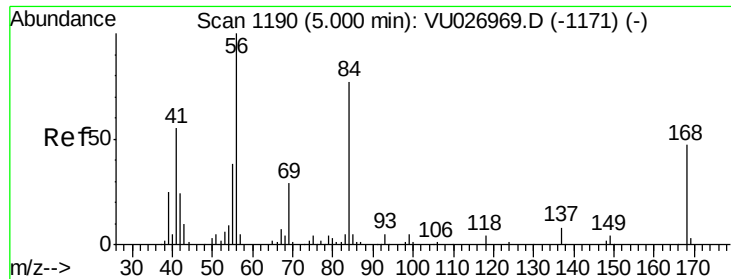


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

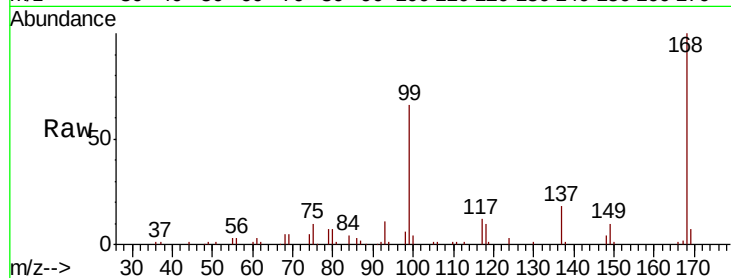




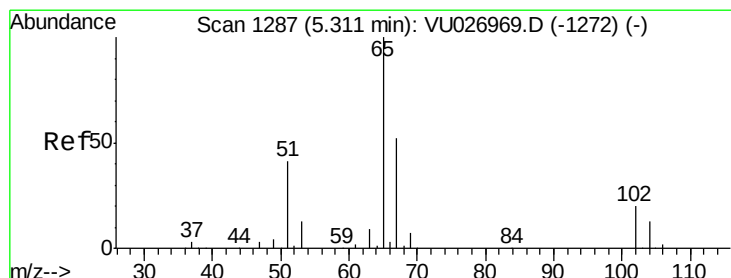
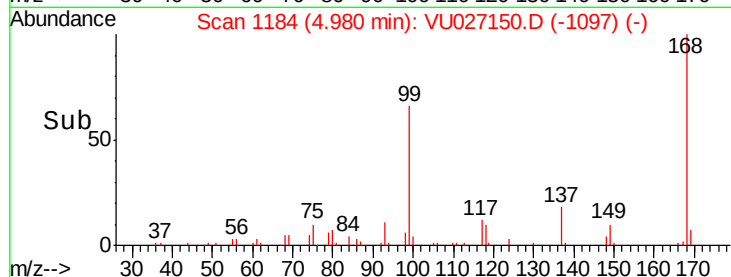
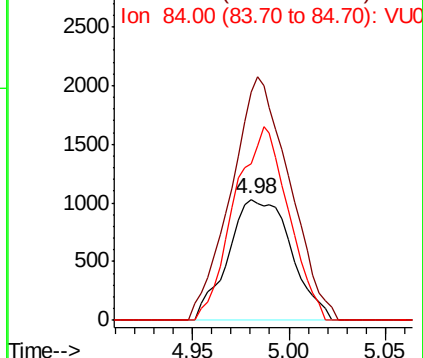
#31
Cyclohexane
Concen: 0.283 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027150.D
Acq: 26 Sep 2018 00:56

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ135I-20180916

Tot Ion: 56 Resp: 2326
Ion Ratio Lower Upper
56 100
69 188.5 23.0 34.4#
84 128.8 61.4 92.2#

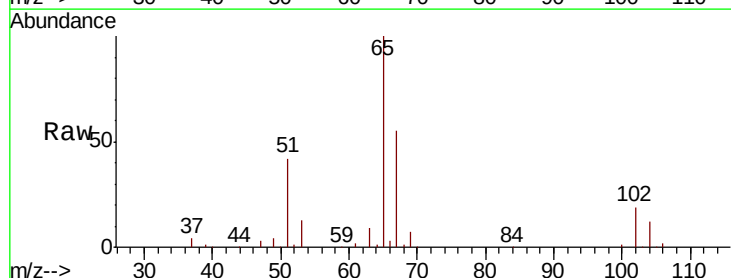


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

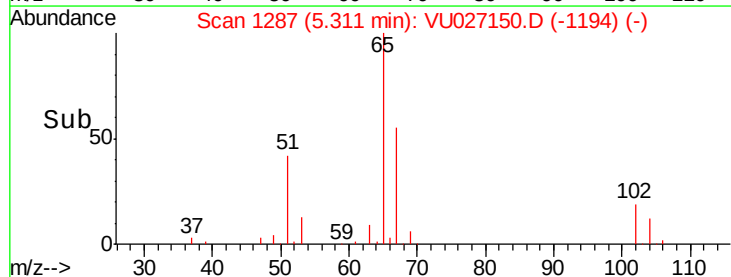
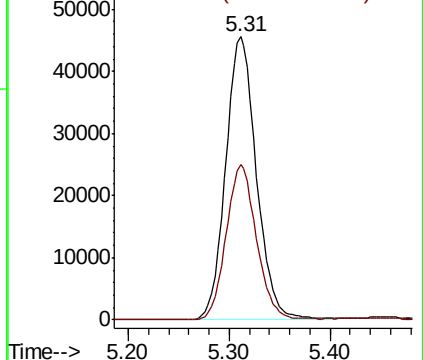


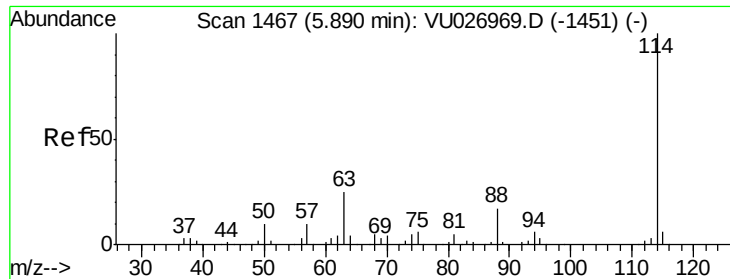
#33
1,2-Dichloroethane-d4
Concen: 53.258 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027150.D
Acq: 26 Sep 2018 00:56

Tgt Ion: 65 Resp: 97212
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

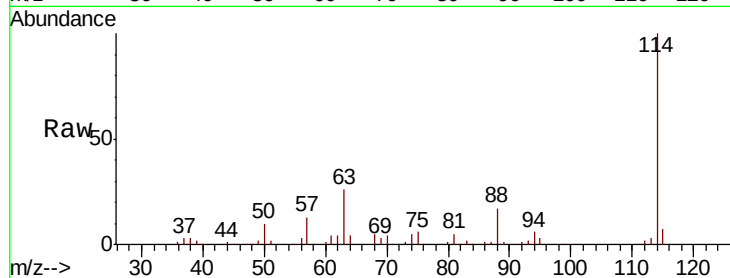




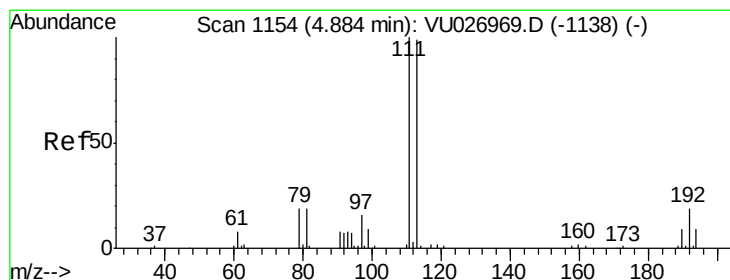
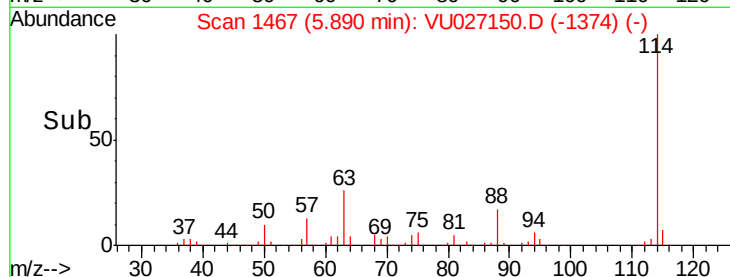
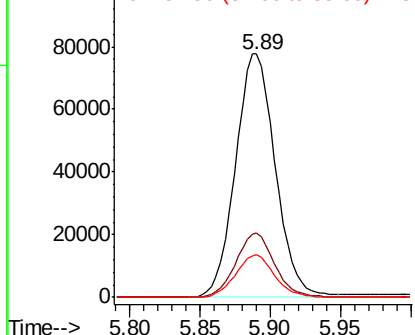
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027150.D
 Acq: 26 Sep 2018 00:56

Instrument :
 MSVOA_U
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 SA-PZ135I-20180916

Tot Ion:114 Resp: 154082
 Ion Ratio Lower Upper
 114 100
 63 26.3 0.0 49.2
 88 17.3 0.0 33.8

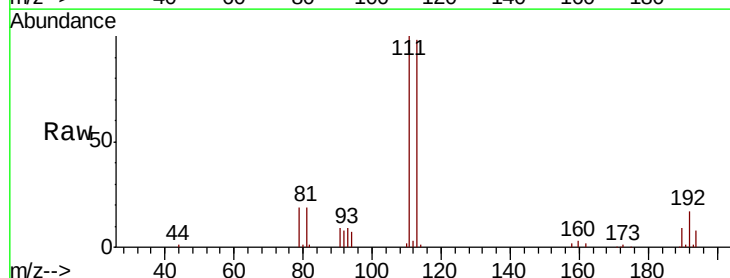


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

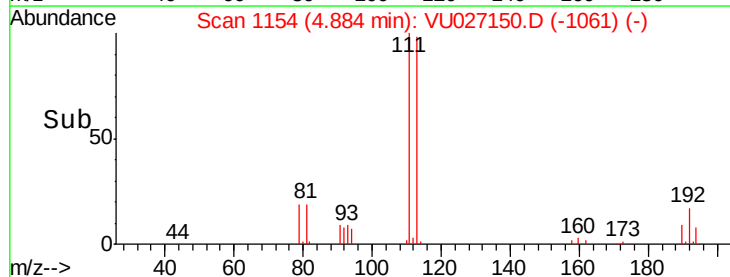
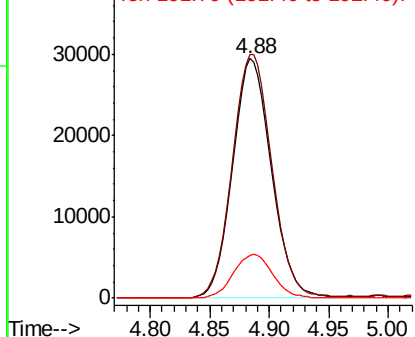


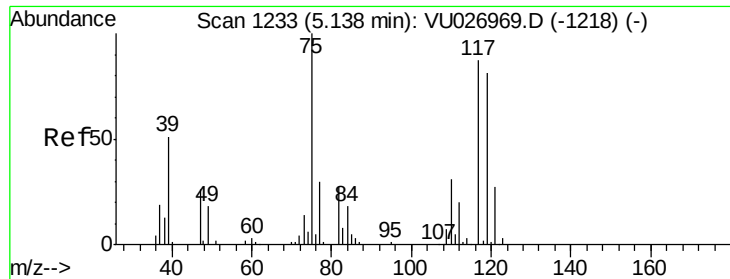
#35
 Dibromofluoromethane
 Concen: 49.941 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027150.D
 Acq: 26 Sep 2018 00:56

Tgt Ion:113 Resp: 66701
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.2 123.4
 192 18.3 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: 4.327 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ135I-20180916

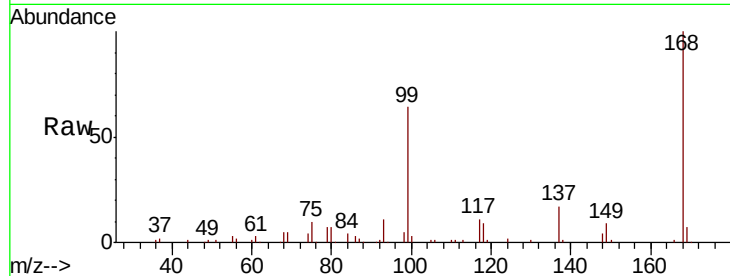
Tot Ion: 75 Resp: 8898

Ion Ratio Lower Upper

75 100

110 6.4 16.1 48.2#

77 0.0 24.6 36.8#

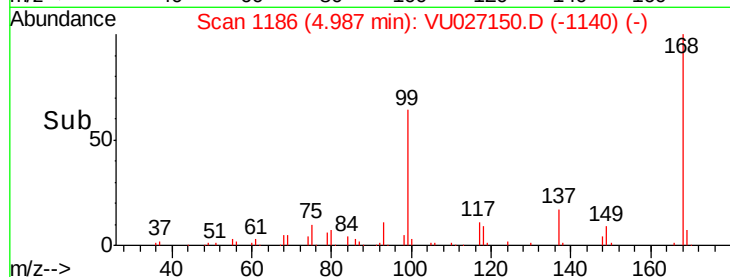


Abundance Ion 74.90 (74.60 to 75.60): VU026969.D (-1218) (-)

Ion 109.90 (109.60 to 110.60): VU026969.D (-1218) (-)

Ion 76.90 (76.60 to 77.60): VU026969.D (-1218) (-)

Time-->



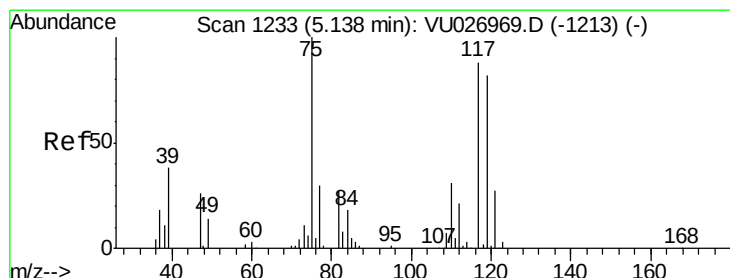
Abundance

Ion 74.90 (74.60 to 75.60): VU026969.D (-1218) (-)

Ion 109.90 (109.60 to 110.60): VU026969.D (-1218) (-)

Ion 76.90 (76.60 to 77.60): VU026969.D (-1218) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.820 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

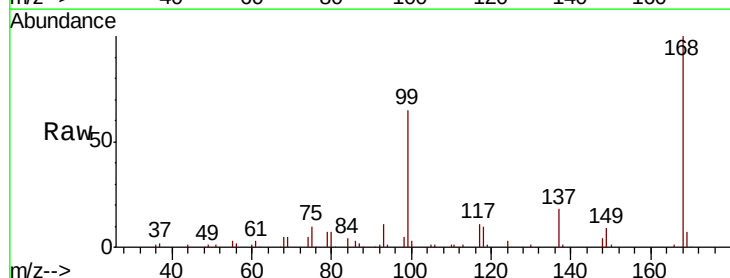
Tgt Ion: 117 Resp: 9433

Ion Ratio Lower Upper

117 100

119 6.0 74.4 111.6#

121 0.0 24.2 36.4#

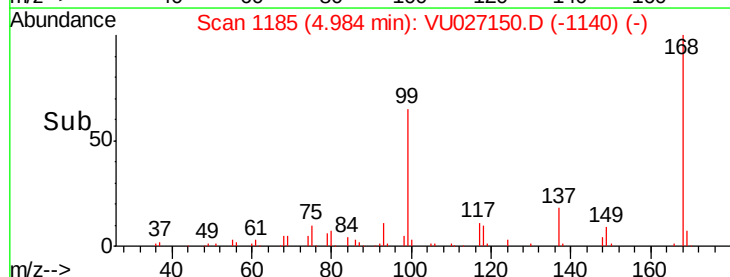


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

Time-->



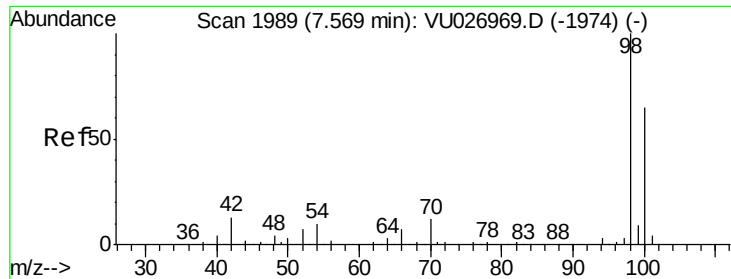
Abundance

Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

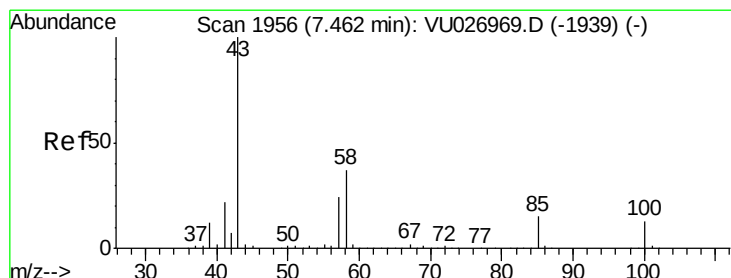
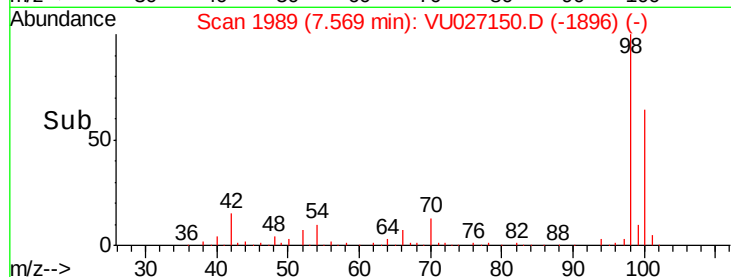
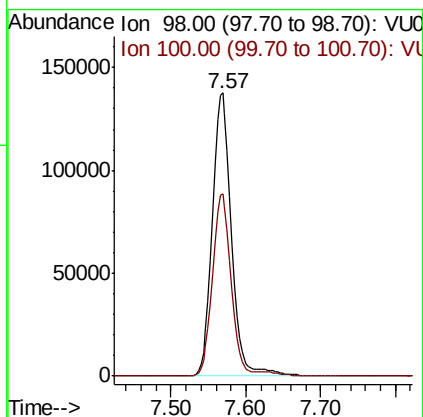
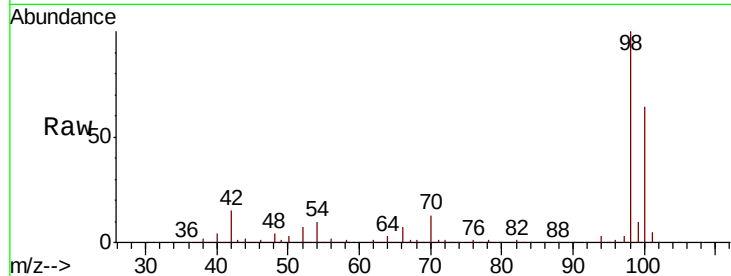
Time-->



#50
Toluene-d8
Concen: 48.325 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027150.D
Acq: 26 Sep 2018 00:56

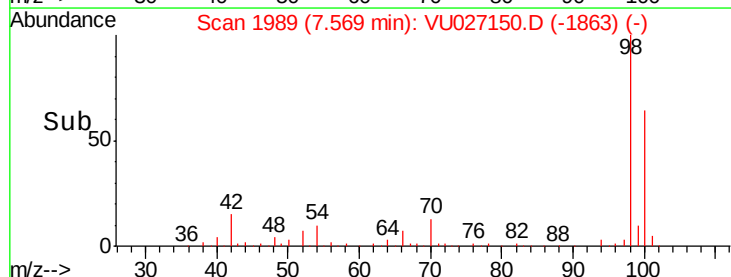
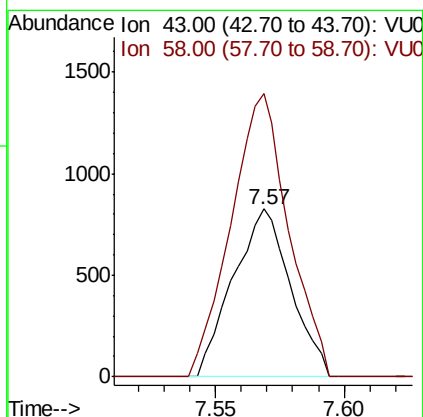
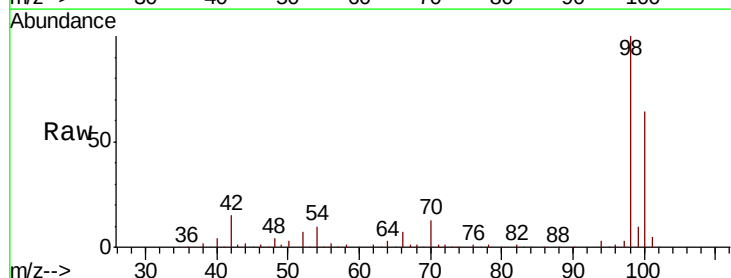
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ135I-20180916

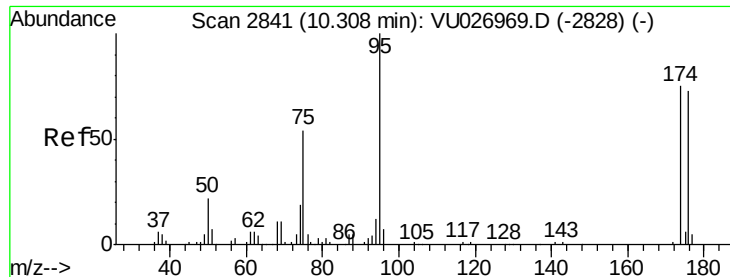
Tot Ion: 98 Resp: 245973
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.11 min
Lab File: VU027150.D
Acq: 26 Sep 2018 00:56

Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
58 169.6 29.8 44.6#

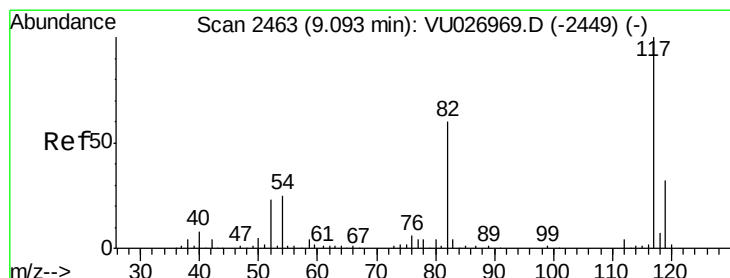
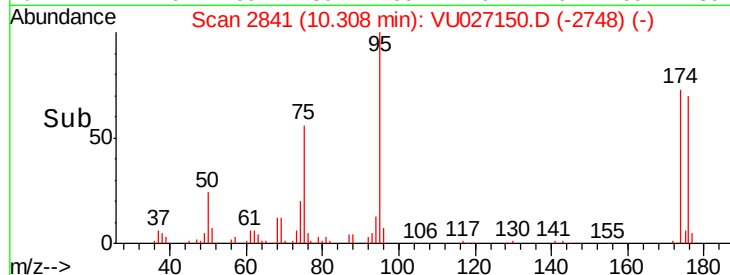
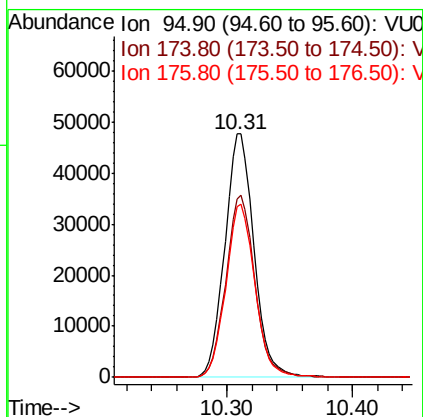
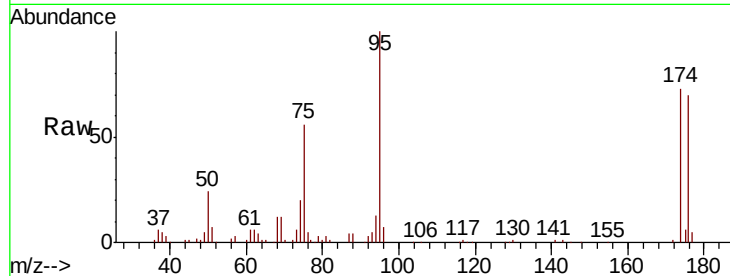




#62
 4-Bromofluorobenzene
 Concen: 44.025 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027150.D
 Acq: 26 Sep 2018 00:56

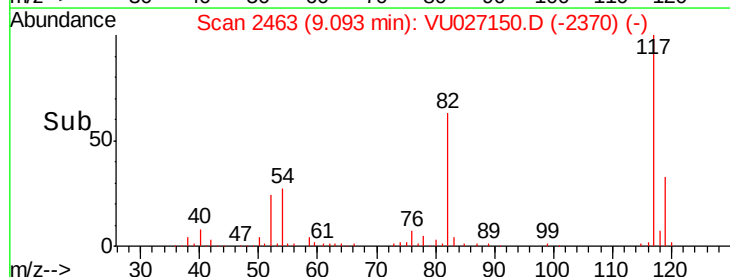
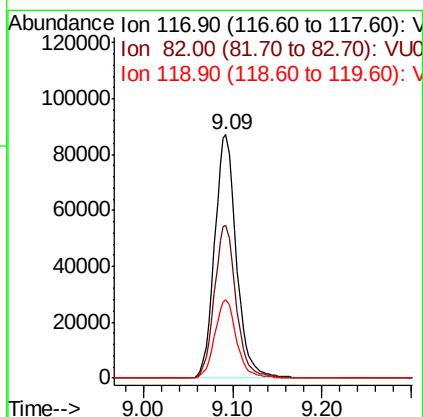
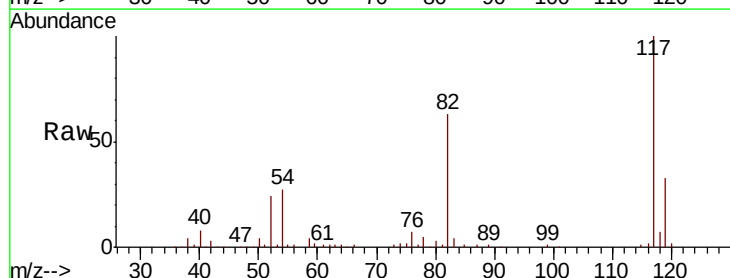
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ135I-20180916

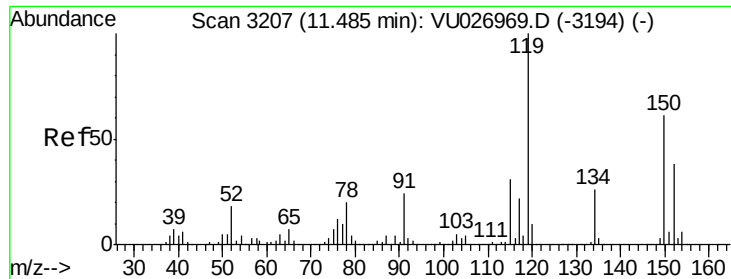
Tot Ion: 95 Resp: 76891
 Ion Ratio Lower Upper
 95 100
 174 74.1 0.0 150.2
 176 70.7 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027150.D
 Acq: 26 Sep 2018 00:56

Tgt Ion: 117 Resp: 147198
 Ion Ratio Lower Upper
 117 100
 82 62.6 48.0 72.0
 119 32.5 25.8 38.8

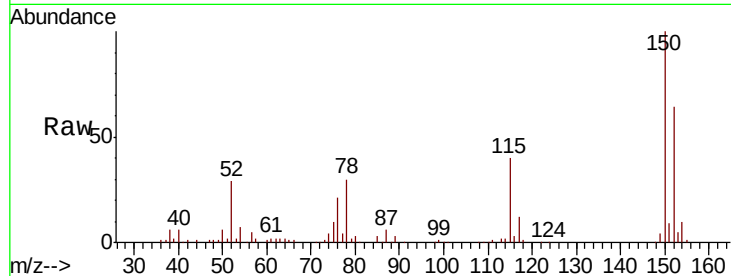




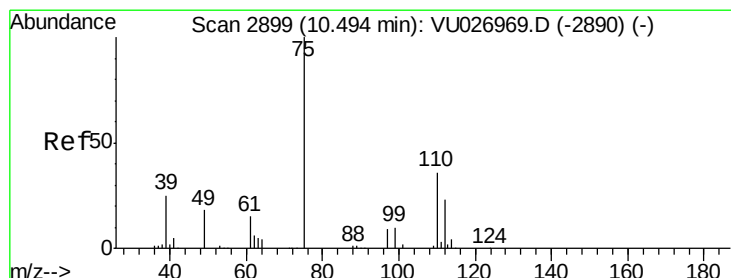
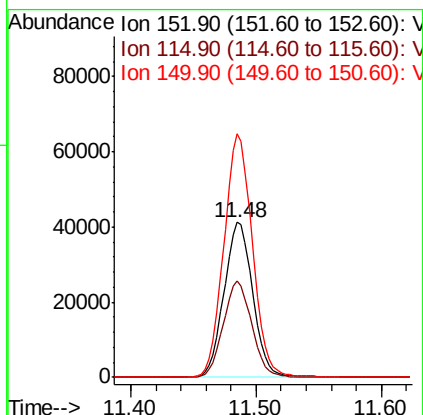
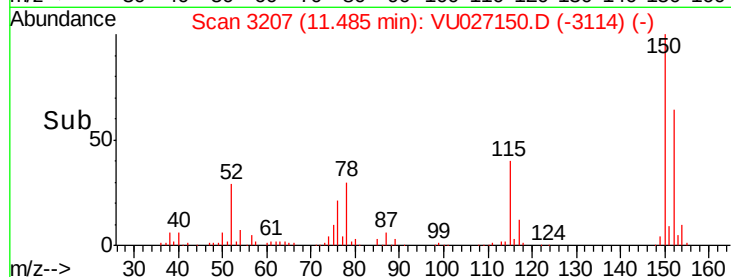
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU027150.D
 Acq: 26 Sep 2018 00:56

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ135I-20180916

Tot Ion:152 Resp: 65494
 Ion Ratio Lower Upper
 152 100
 115 61.4 44.9 134.5
 150 155.8 0.0 355.8

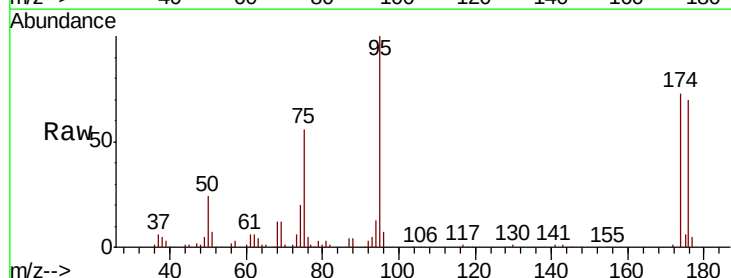


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

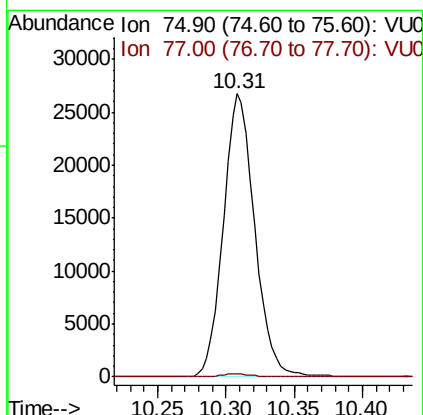
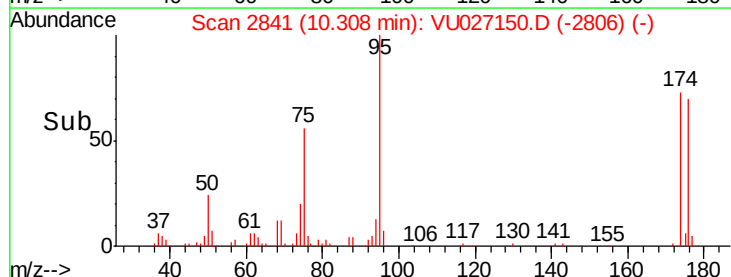


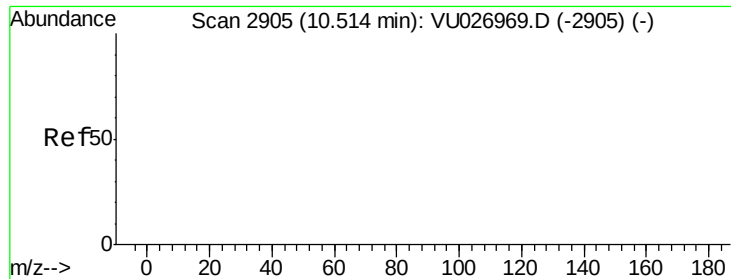
#76
 1,2,3-Trichloropropane
 Concen: 21.415 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.19 min
 Lab File: VU027150.D
 Acq: 26 Sep 2018 00:56

Tgt Ion: 75 Resp: 42610
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 68.533 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ135I-20180916

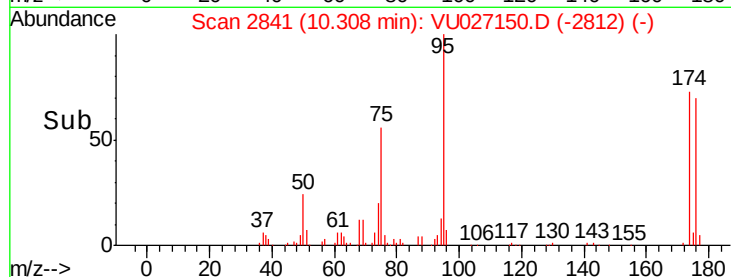
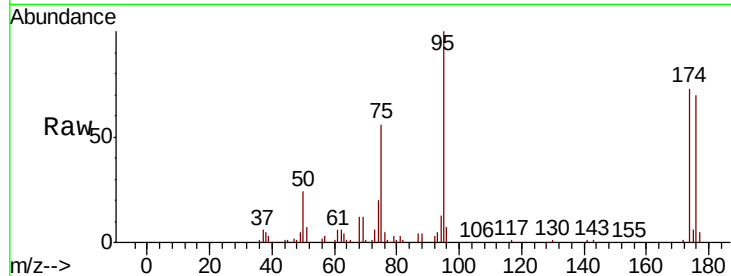
Tot Ion: 75 Resp: 42610

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

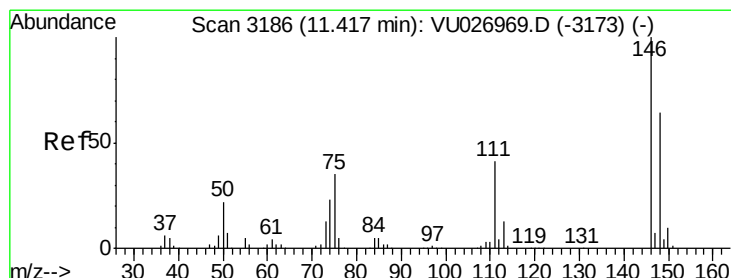
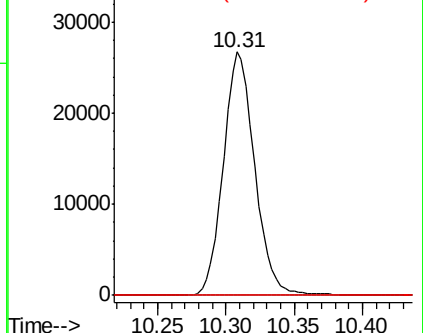
89 0.0 0.0 0.0



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



#87

1,3-Dichlorobenzene

Concen: 0.211 ug/l

RT: 11.51 min Scan# 3216

Delta R.T. 0.10 min

Lab File: VU027150.D

Acq: 26 Sep 2018 00:56

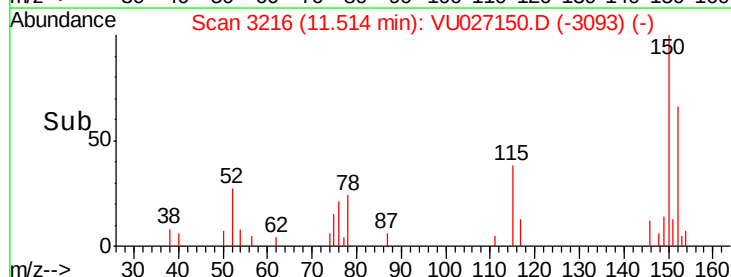
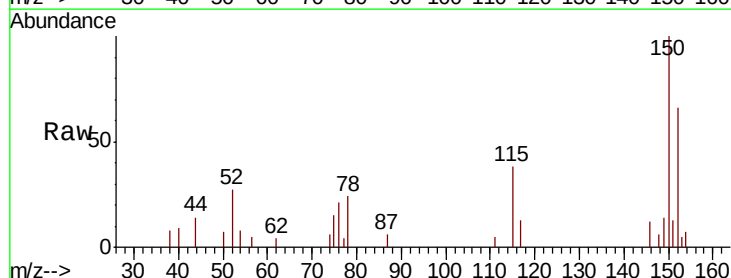
Tgt Ion: 146 Resp: 479

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.2#

148 115.0 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

