

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092418\
 Data File : VU027101.D
 Acq On : 24 Sep 2018 12:16
 Operator : MD/SY
 Sample : J4969-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ140I-20180916

Quant Time: Sep 25 01:34:22 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	93409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	157373	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70762	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	97410	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	4.89	113	67883	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
50) Toluene-d8	7.57	98	257669	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	10.31	95	83374	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	

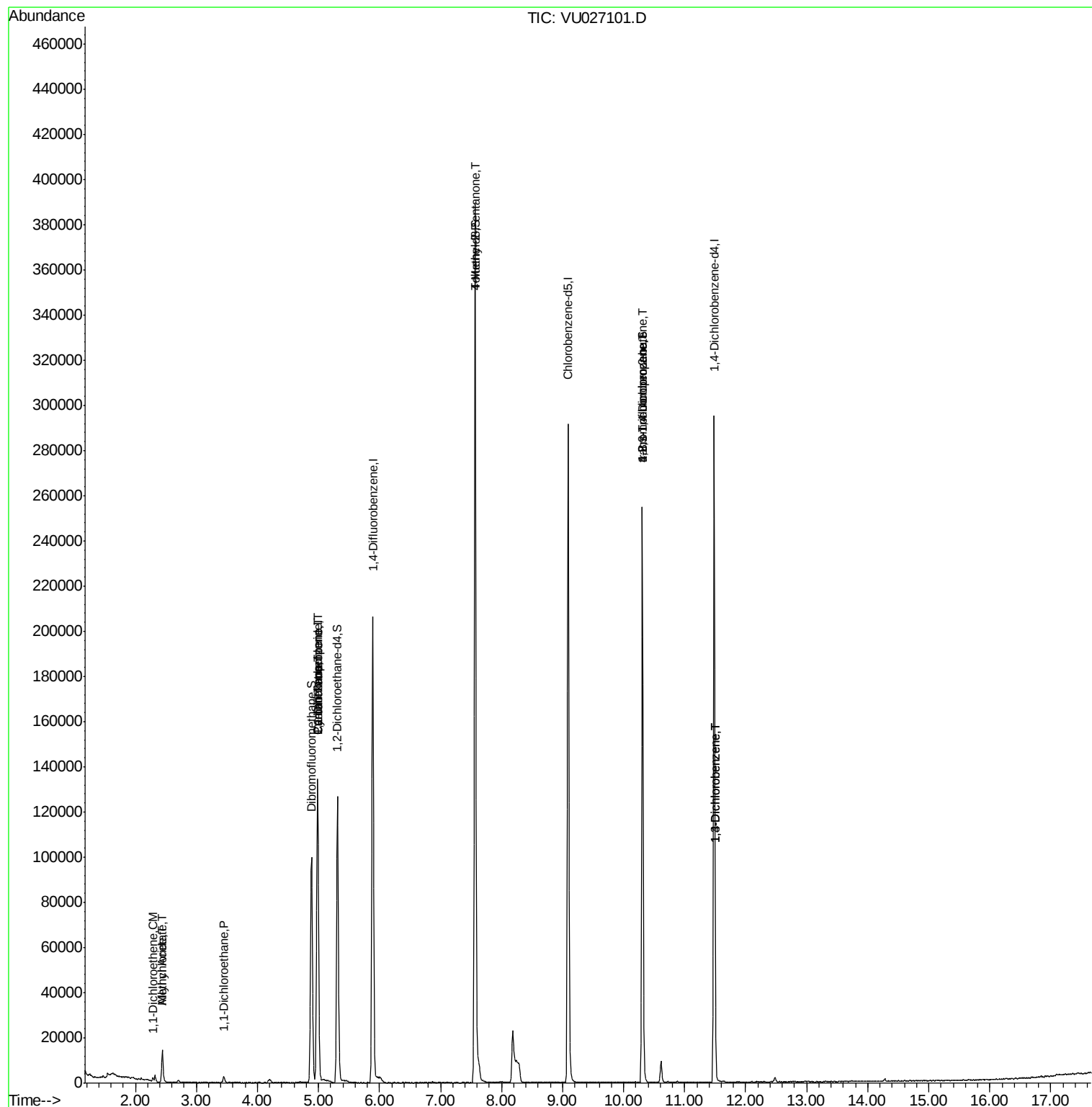
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.28	96	534	0.414	ug/l	91
14) Allyl chloride	2.44	41	1349	0.516	ug/l #	65
16) Acetone	2.32	43	3130	Below Cal		89
18) Methyl Acetate	2.44	43	3541	1.323	ug/l #	55
24) 1,1-Dichloroethane	3.45	63	3698	1.200	ug/l #	84
31) Cyclohexane	4.99	56	2457	0.305	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8811	4.195	ug/l #	50
38) Carbon Tetrachloride	4.99	117	9647	4.827	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1260	0.452	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	44646	20.768	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	44646	66.462	ug/l #	100
87) 1,3-Dichlorobenzene	11.51	146	685	0.280	ug/l #	71
88) 1,4-Dichlorobenzene	11.51	146	685	0.257	ug/l #	72

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

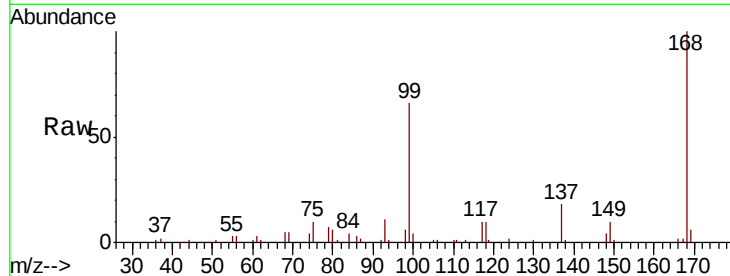
SA-PZ140I-20180916

Tgt Ion:168 Resp: 93409

Ion Ratio Lower Upper

168 100

99 66.3 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

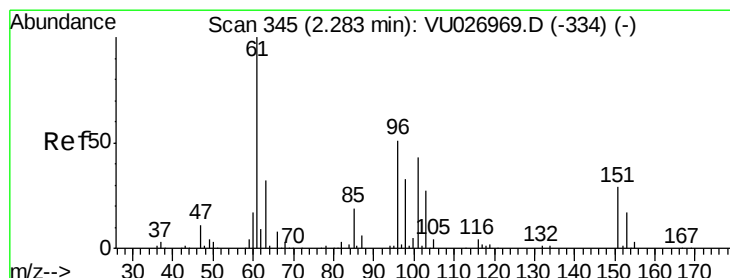
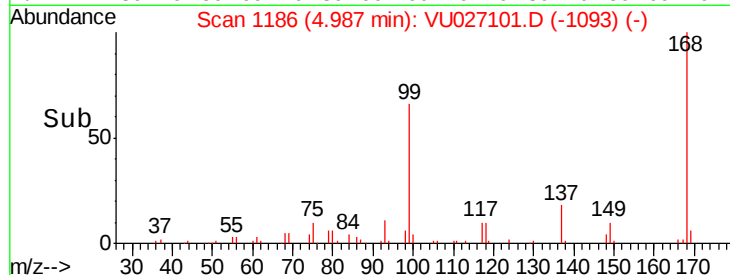
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#12

1,1-Dichloroethene

Concen: 0.414 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

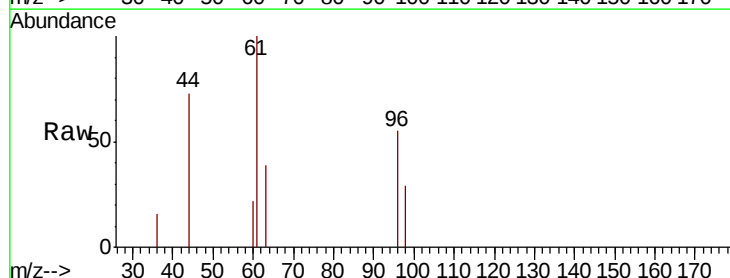
Tgt Ion: 96 Resp: 534

Ion Ratio Lower Upper

96 100

61 183.0 156.1 234.1

98 53.7 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VU026969.D (-334) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-334) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-334) (-)

1000

800

600

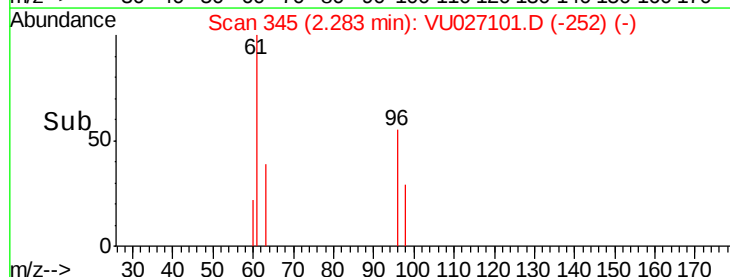
400

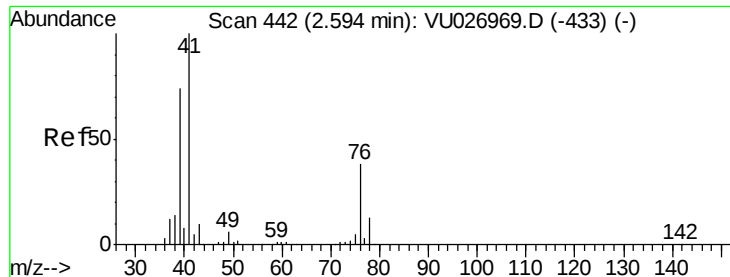
200

0

2.26 2.28 2.30 2.32

Time-->





#14

Allyl chloride

Concen: 0.516 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ140I-20180916

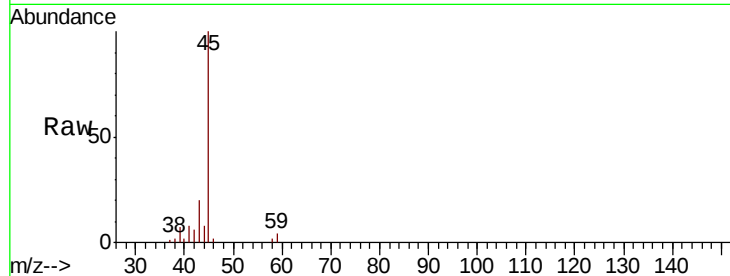
Tgt Ion: 41 Resp: 1349

Ion Ratio Lower Upper

41 100

39 89.0 55.7 83.5#

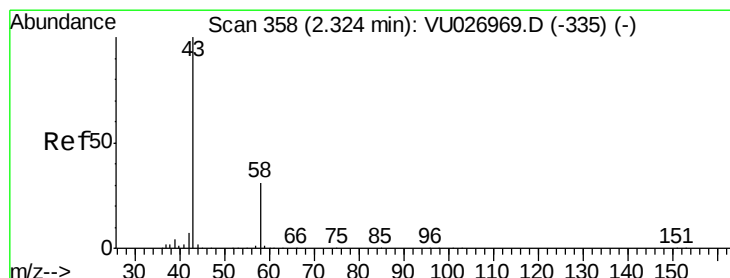
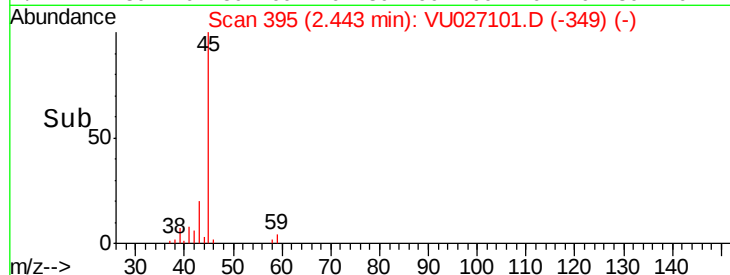
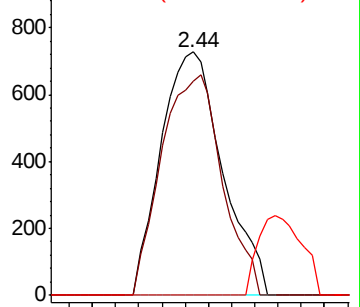
76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU027101.D (-395) (-)

Ion 39.00 (38.70 to 39.70): VU027101.D (-395) (-)

Ion 75.90 (75.60 to 76.60): VU027101.D (-395) (-)



#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027101.D

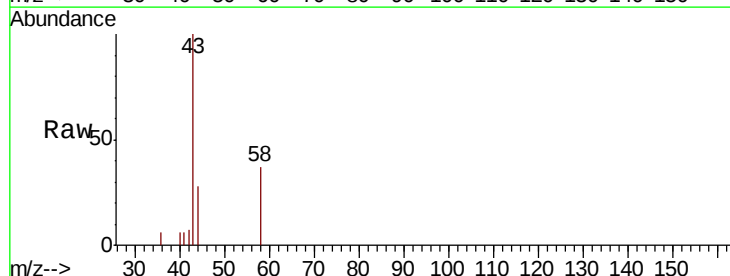
Acq: 24 Sep 2018 12:16

Tgt Ion: 43 Resp: 3130

Ion Ratio Lower Upper

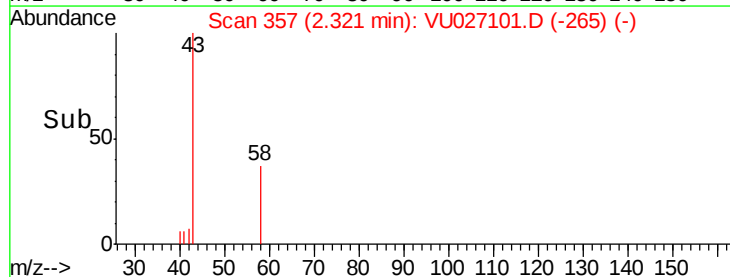
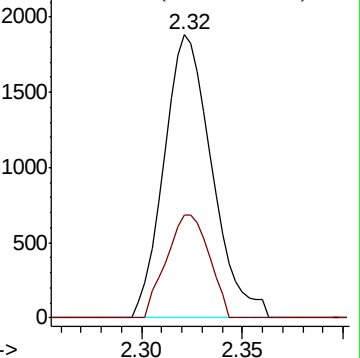
43 100

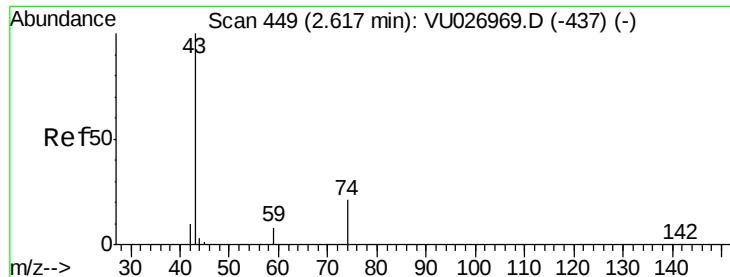
58 36.5 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU027101.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU027101.D (-265) (-)





#18

Methyl Acetate

Concen: 1.323 ug/l

RT: 2.44 min Scan# 394

Delta R.T. -0.18 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

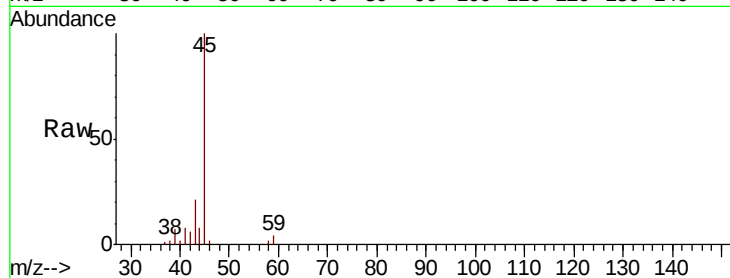
SA-PZ140I-20180916

Tgt Ion: 43 Resp: 3541

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-437) (-)

Ion 74.00 (73.70 to 74.70): VU026969.D (-437) (-)

2.44

2000

1500

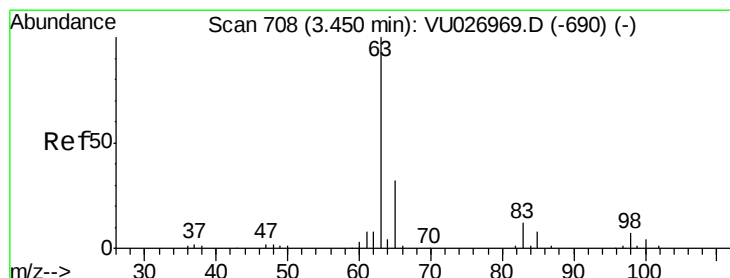
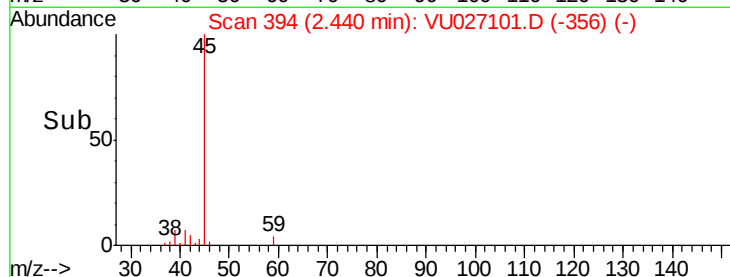
1000

500

0

2.40 2.45 2.50

Time-->



#24

1,1-Dichloroethane

Concen: 1.200 ug/l

RT: 3.45 min Scan# 708

Delta R.T. -0.00 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

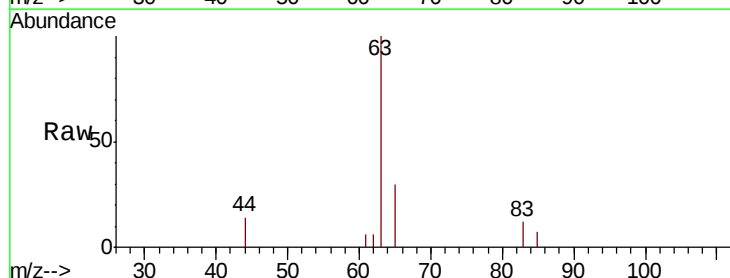
Tgt Ion: 63 Resp: 3698

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): VU026969.D (-690) (-)

Ion 97.90 (97.60 to 98.60): VU026969.D (-690) (-)

Ion 99.90 (99.60 to 100.60): VU026969.D (-690) (-)

3.45

2000

1500

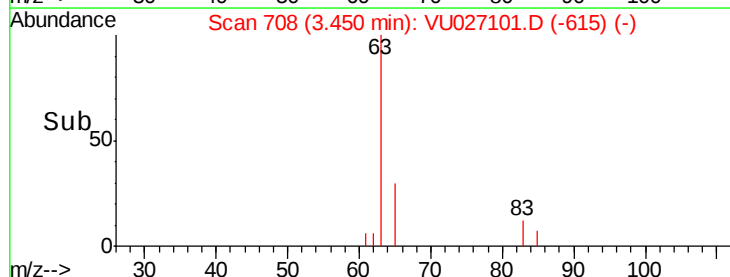
1000

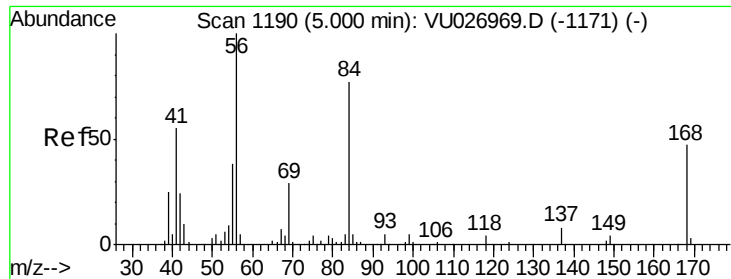
500

0

3.40 3.45 3.50

Time-->

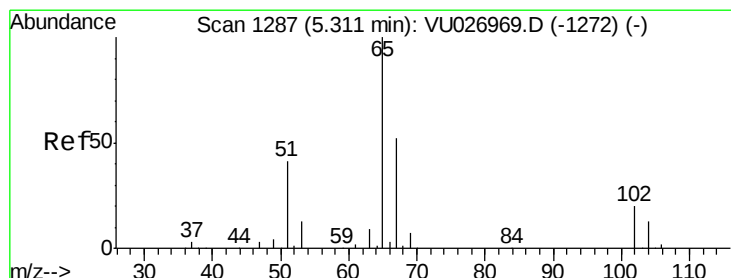
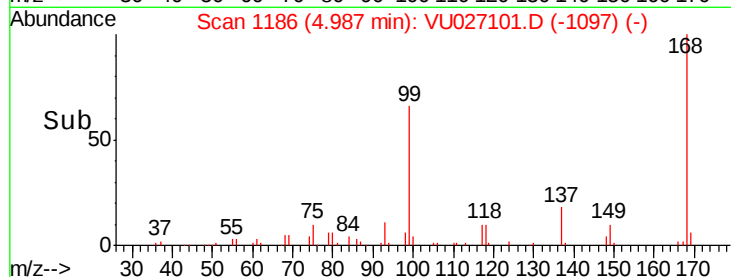
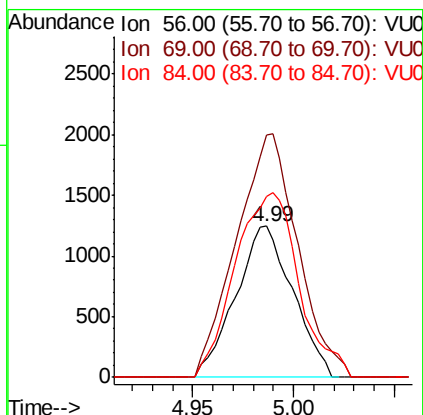
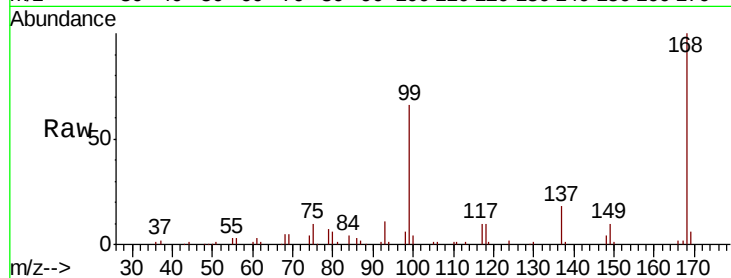




#31
Cyclohexane
Concen: 0.305 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU027101.D
Acq: 24 Sep 2018 12:16

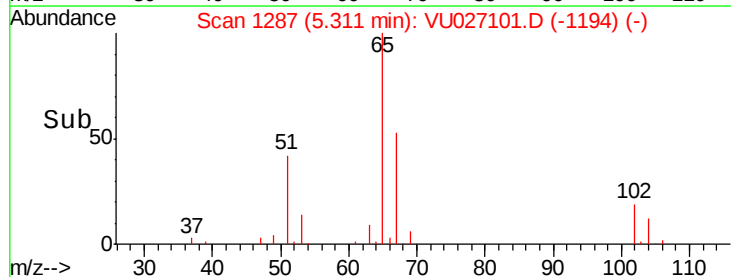
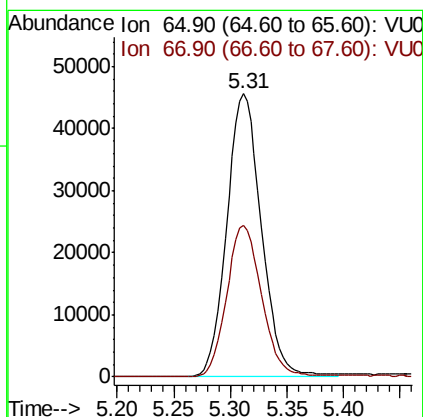
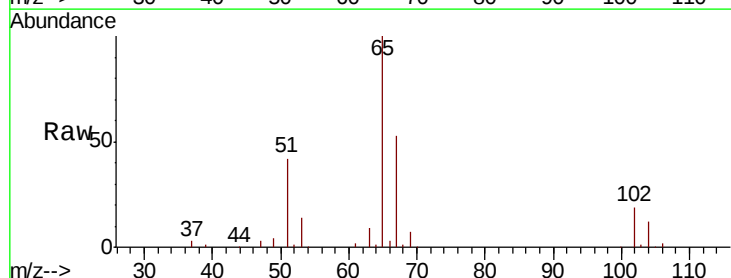
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ140I-20180916

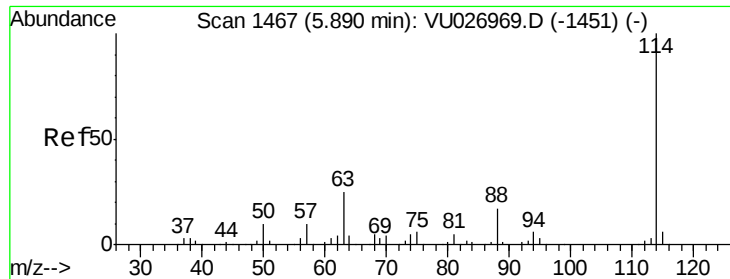
Tgt Ion: 56 Resp: 2457
Ion Ratio Lower Upper
56 100
69 160.2 23.0 34.4#
84 119.8 61.4 92.2#



#33
1,2-Dichloroethane-d4
Concen: 51.814 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VU027101.D
Acq: 24 Sep 2018 12:16

Tgt Ion: 65 Resp: 97410
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.6

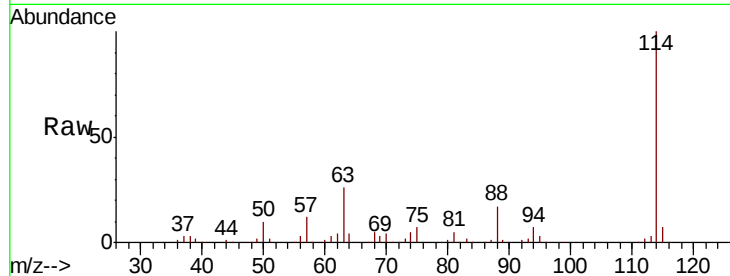




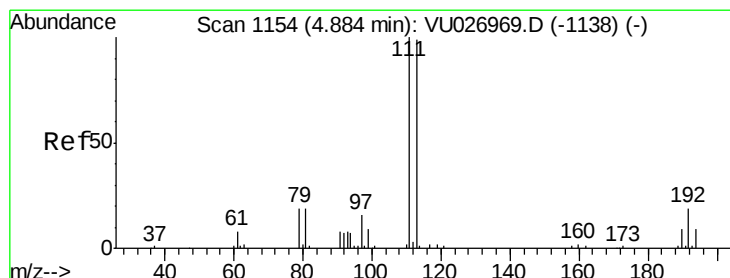
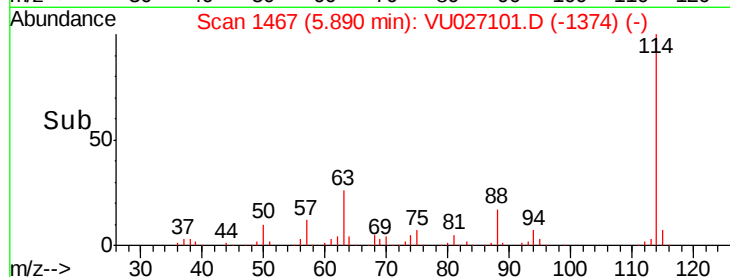
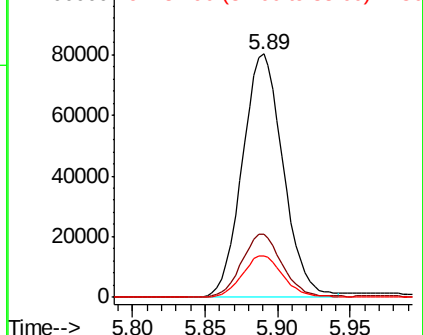
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. -0.00 min
 Lab File: VU027101.D
 Acq: 24 Sep 2018 12:16

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ140I-20180916

Tgt Ion:114 Resp: 157373
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 17.1 0.0 33.8

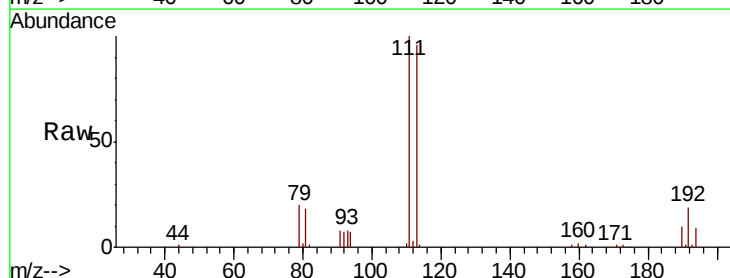


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

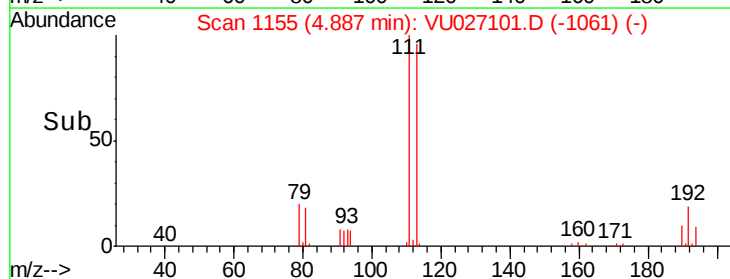
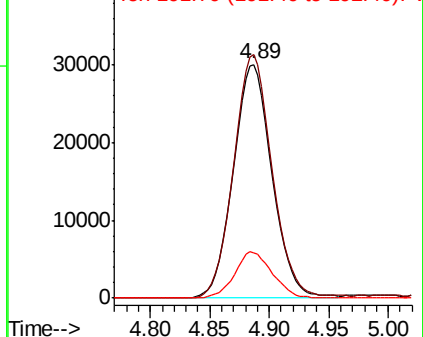


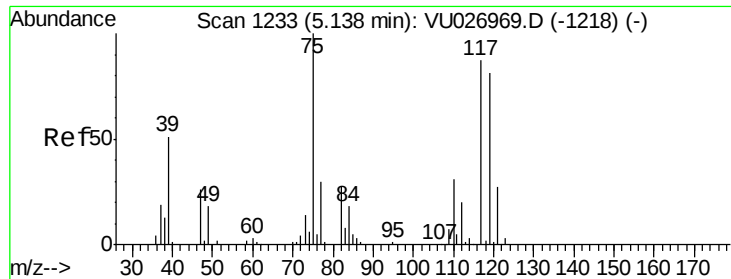
#35
 Dibromofluoromethane
 Concen: 49.763 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027101.D
 Acq: 24 Sep 2018 12:16

Tgt Ion:113 Resp: 67883
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.2 123.4
 192 19.1 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

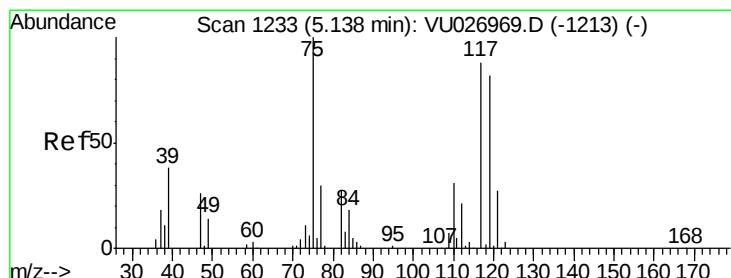
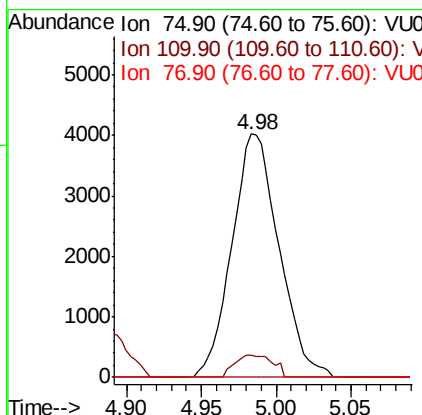
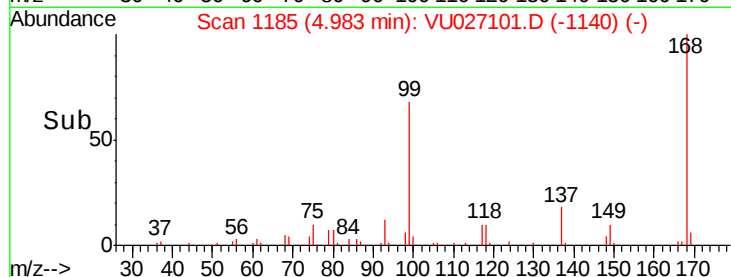
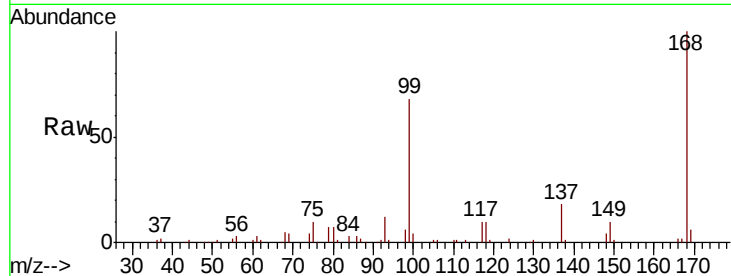




#36
 1,1-Dichloropropene
 Concen: 4.195 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027101.D
 Acq: 24 Sep 2018 12:16

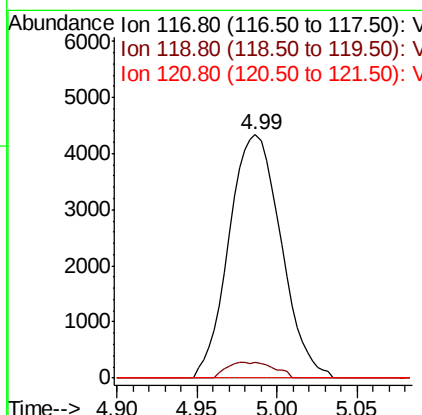
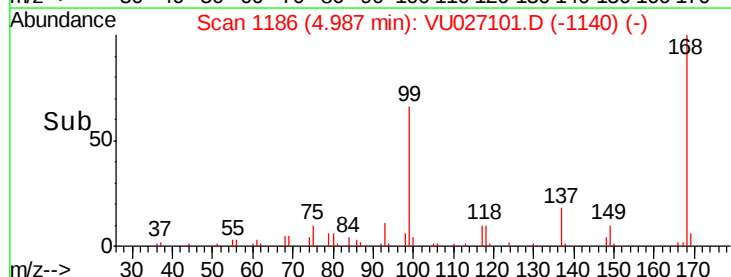
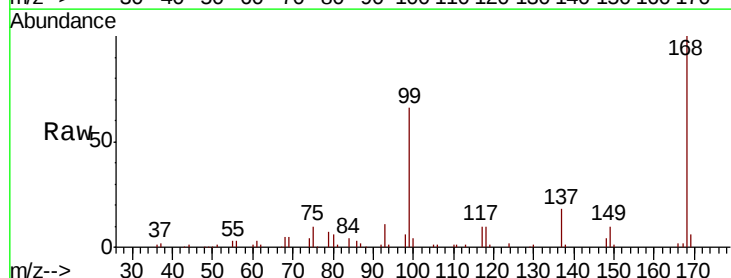
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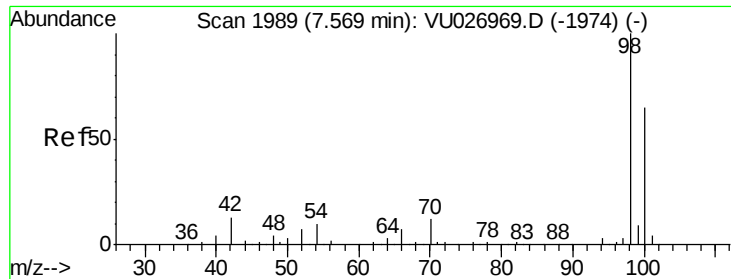
Tgt Ion: 75 Resp: 8811
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.827 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027101.D
 Acq: 24 Sep 2018 12:16

Tgt Ion: 117 Resp: 9647
 Ion Ratio Lower Upper
 117 100
 119 6.2 74.4 111.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 49.564 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

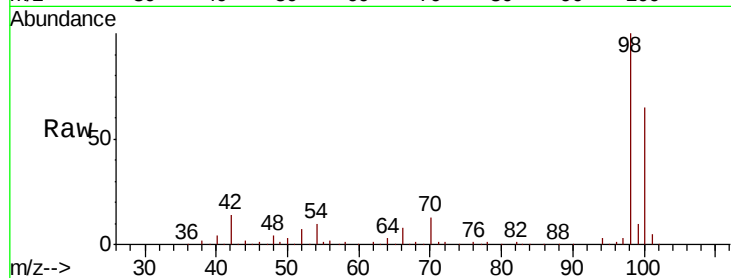
SA-PZ140I-20180916

Tgt Ion: 98 Resp: 257669

Ion Ratio Lower Upper

98 100

100 63.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

7.57

150000

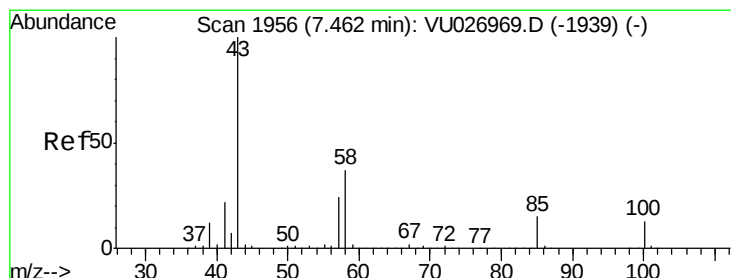
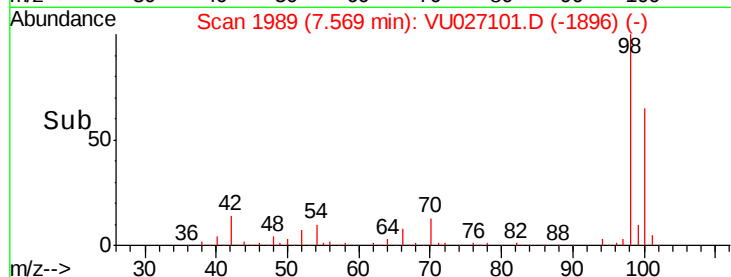
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.452 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027101.D

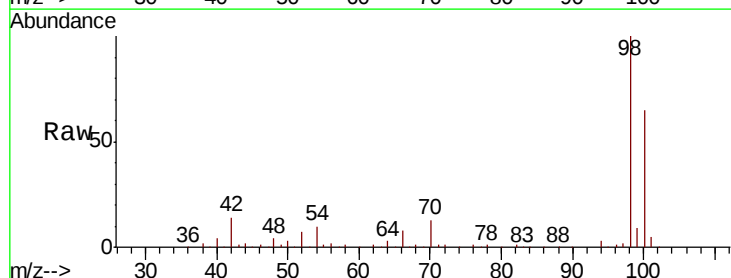
Acq: 24 Sep 2018 12:16

Tgt Ion: 43 Resp: 1260

Ion Ratio Lower Upper

43 100

58 179.0 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)

7.57

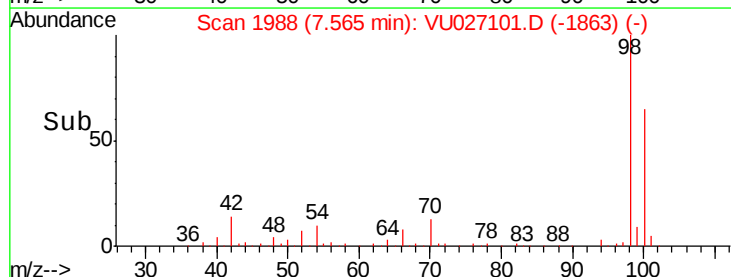
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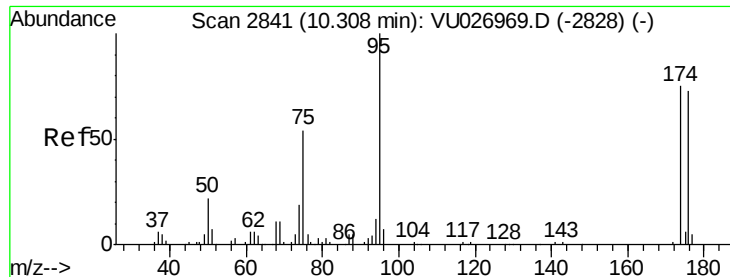
500

0

7.55 7.60

Time-->

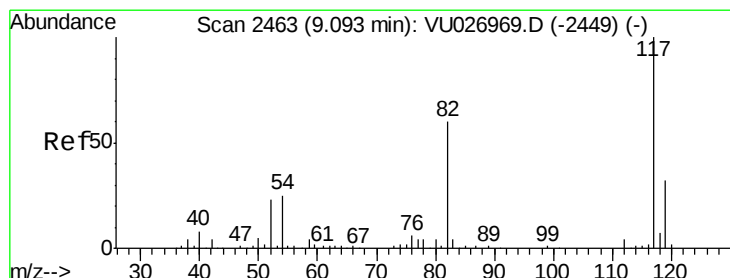
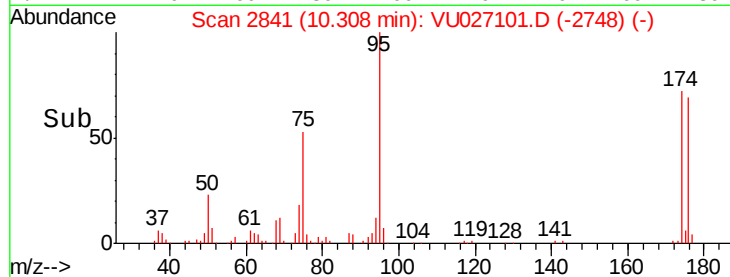
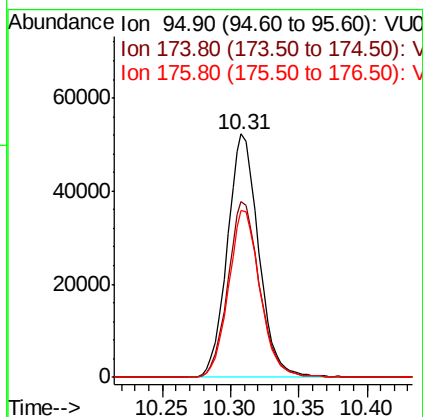
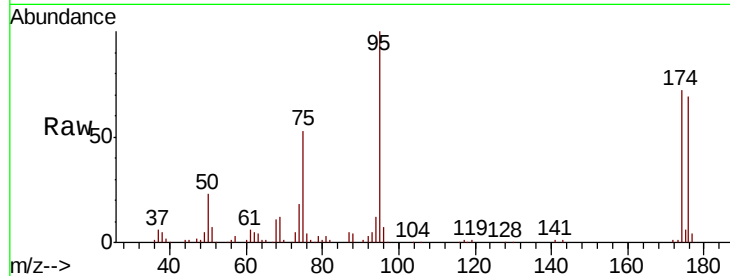




#62
 4-Bromofluorobenzene
 Concen: 46.739 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027101.D
 Acq: 24 Sep 2018 12:16

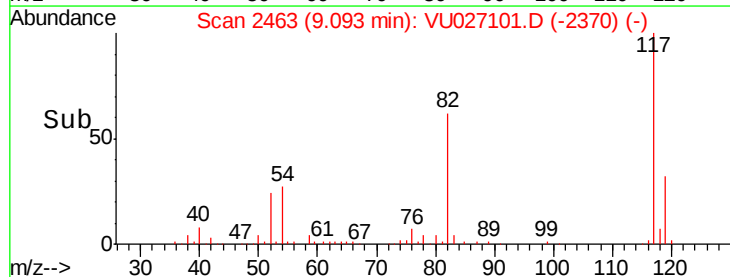
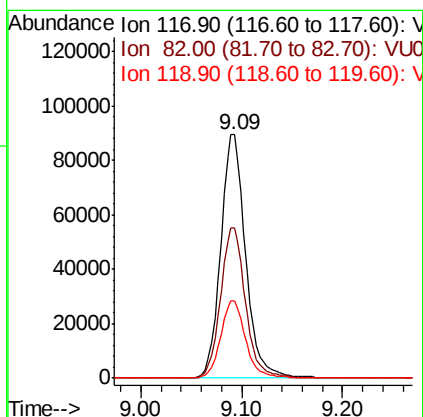
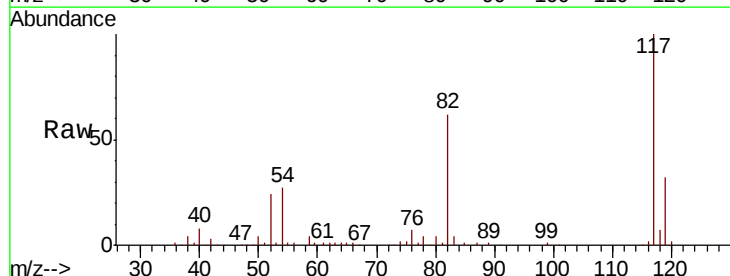
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ140I-20180916

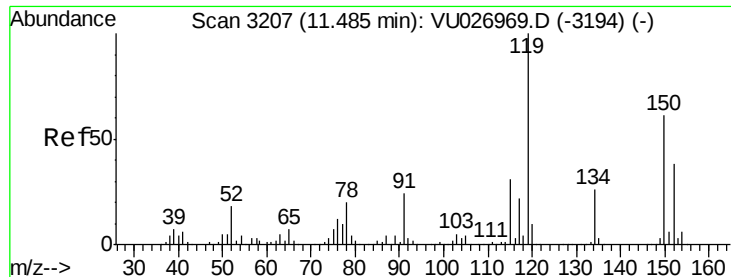
Tgt Ion: 95 Resp: 83374
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 150.2
 176 69.2 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VU027101.D
 Acq: 24 Sep 2018 12:16

Tgt Ion: 117 Resp: 154594
 Ion Ratio Lower Upper
 117 100
 82 61.9 48.0 72.0
 119 31.9 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: VU027101.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ140I-20180916

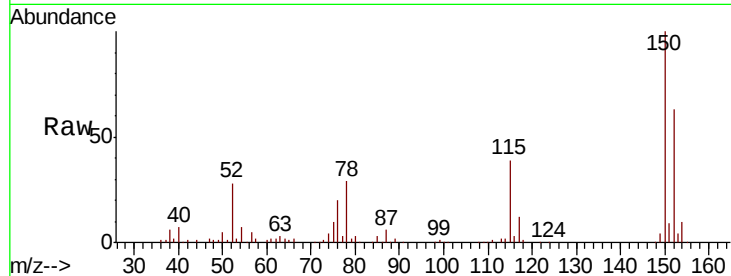
Tgt Ion:152 Resp: 70762

Ion Ratio Lower Upper

152 100

115 61.5 44.9 134.5

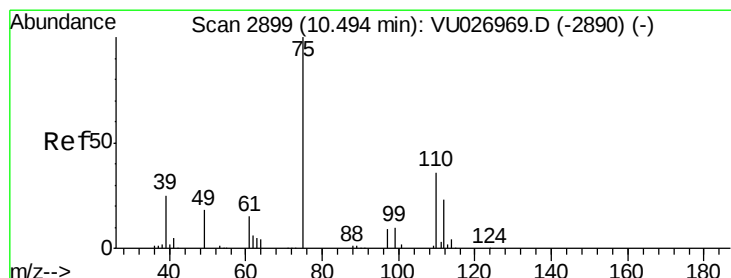
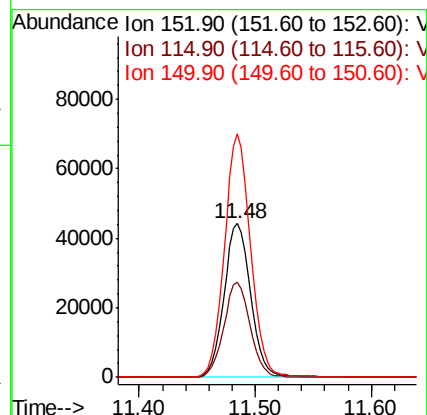
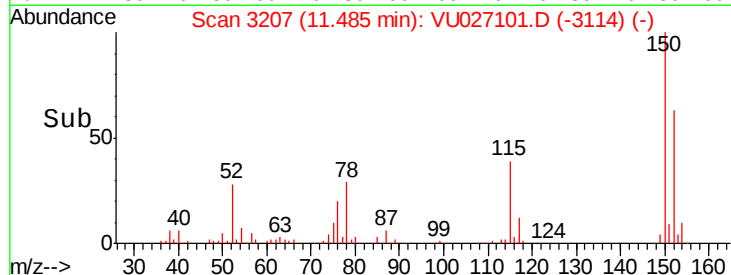
150 156.0 0.0 355.8



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: 20.768 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027101.D

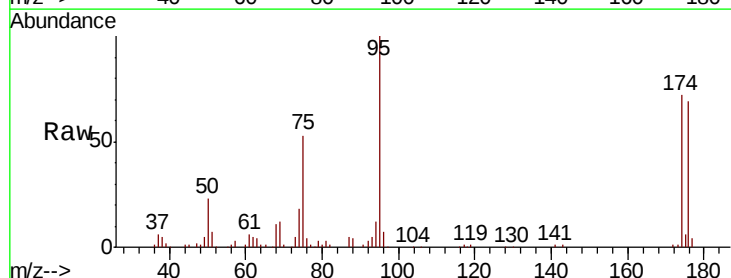
Acq: 24 Sep 2018 12:16

Tgt Ion: 75 Resp: 44646

Ion Ratio Lower Upper

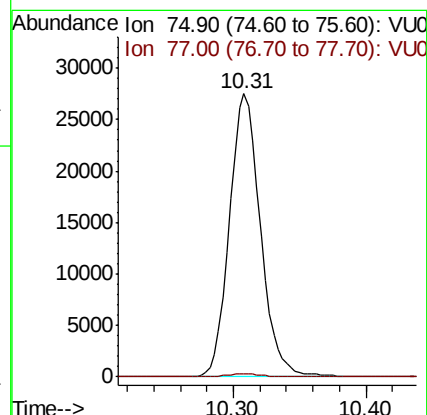
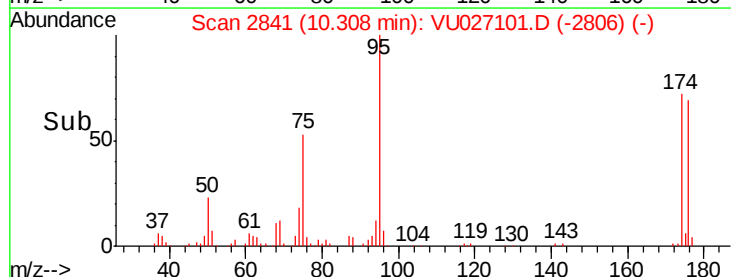
75 100

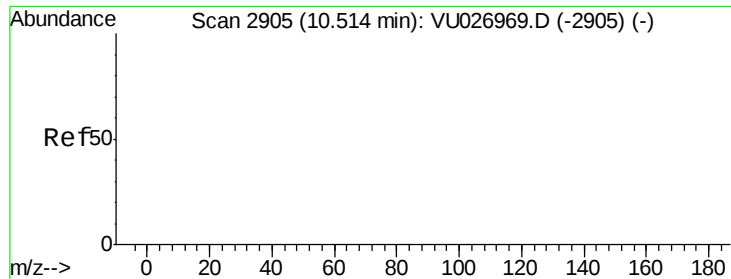
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

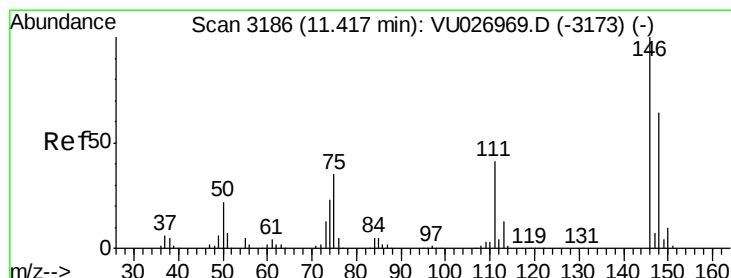
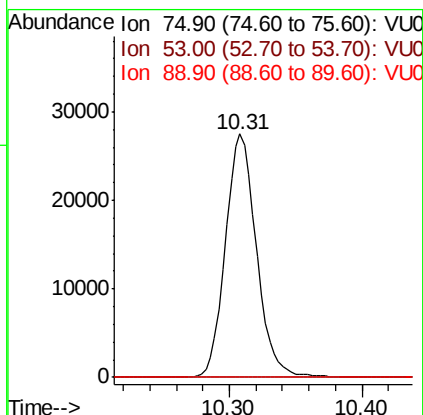
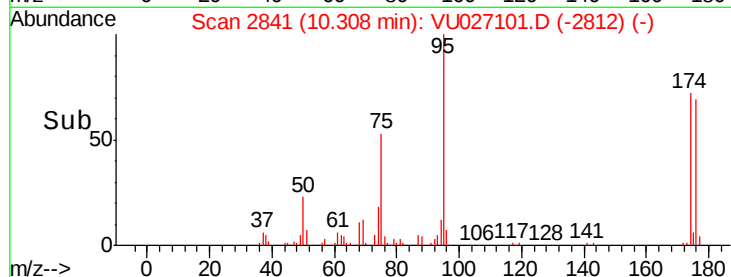
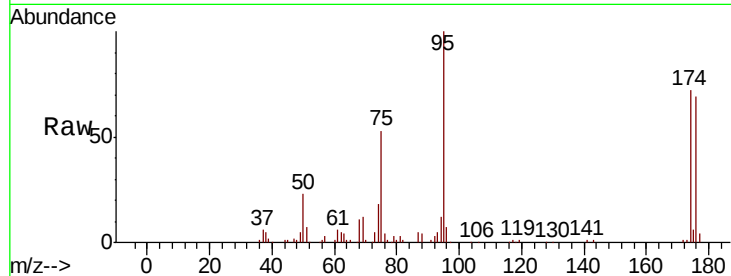




#81
trans-1,4-Dichloro-2-butene
Concen: 66.462 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027101.D
Acq: 24 Sep 2018 12:16

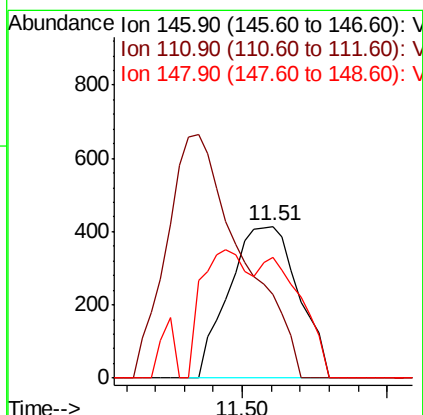
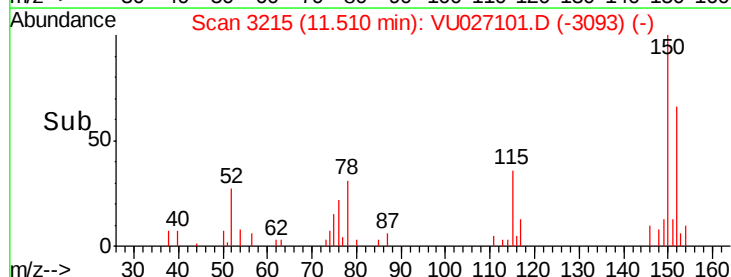
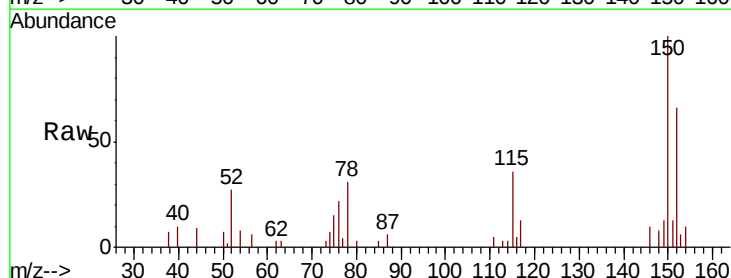
Instrument :
MSVOA_U
ClientSampleId :
SA-PZ140I-20180916

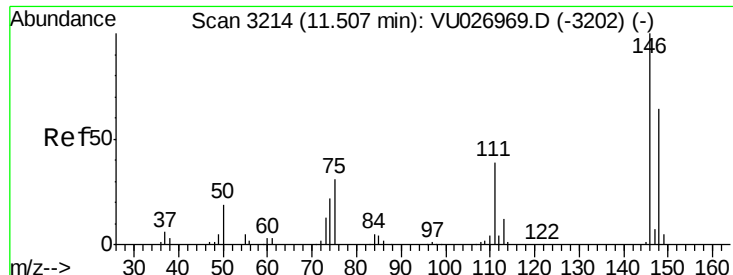
Tgt Ion: 75 Resp: 44646
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#87
1,3-Dichlorobenzene
Concen: 0.280 ug/l
RT: 11.51 min Scan# 3215
Delta R.T. 0.09 min
Lab File: VU027101.D
Acq: 24 Sep 2018 12:16

Tgt Ion: 146 Resp: 685
Ion Ratio Lower Upper
146 100
111 0.0 20.8 62.2#
148 60.6 32.0 96.2





#88

1,4-Dichlorobenzene

Concen: 0.257 ug/l

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU027101.D

Acq: 24 Sep 2018 12:16

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ140I-20180916

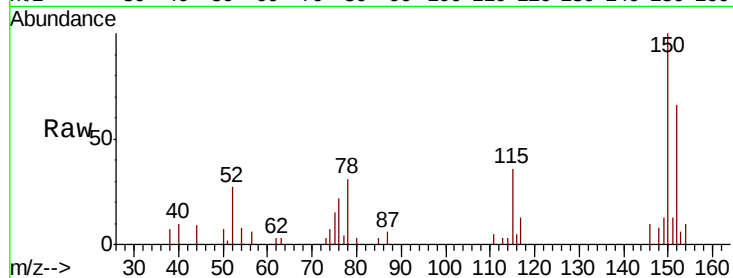
Tgt Ion:146 Resp: 685

Ion Ratio Lower Upper

146 100

111 0.0 20.3 60.9#

148 60.6 31.9 95.9



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

