

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027154.D
 Acq On : 26 Sep 2018 02:29
 Operator : MD/SY
 Sample : J4968-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-DUP06-20180916

Quant Time: Sep 26 06:04:02 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	88964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	151768	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	145877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	65557	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	96934	54.14	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.28%		
35) Dibromofluoromethane	4.88	113	65651	49.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.80%		
50) Toluene-d8	7.57	98	245349	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.88%		
62) 4-Bromofluorobenzene	10.31	95	79174	46.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.04%		

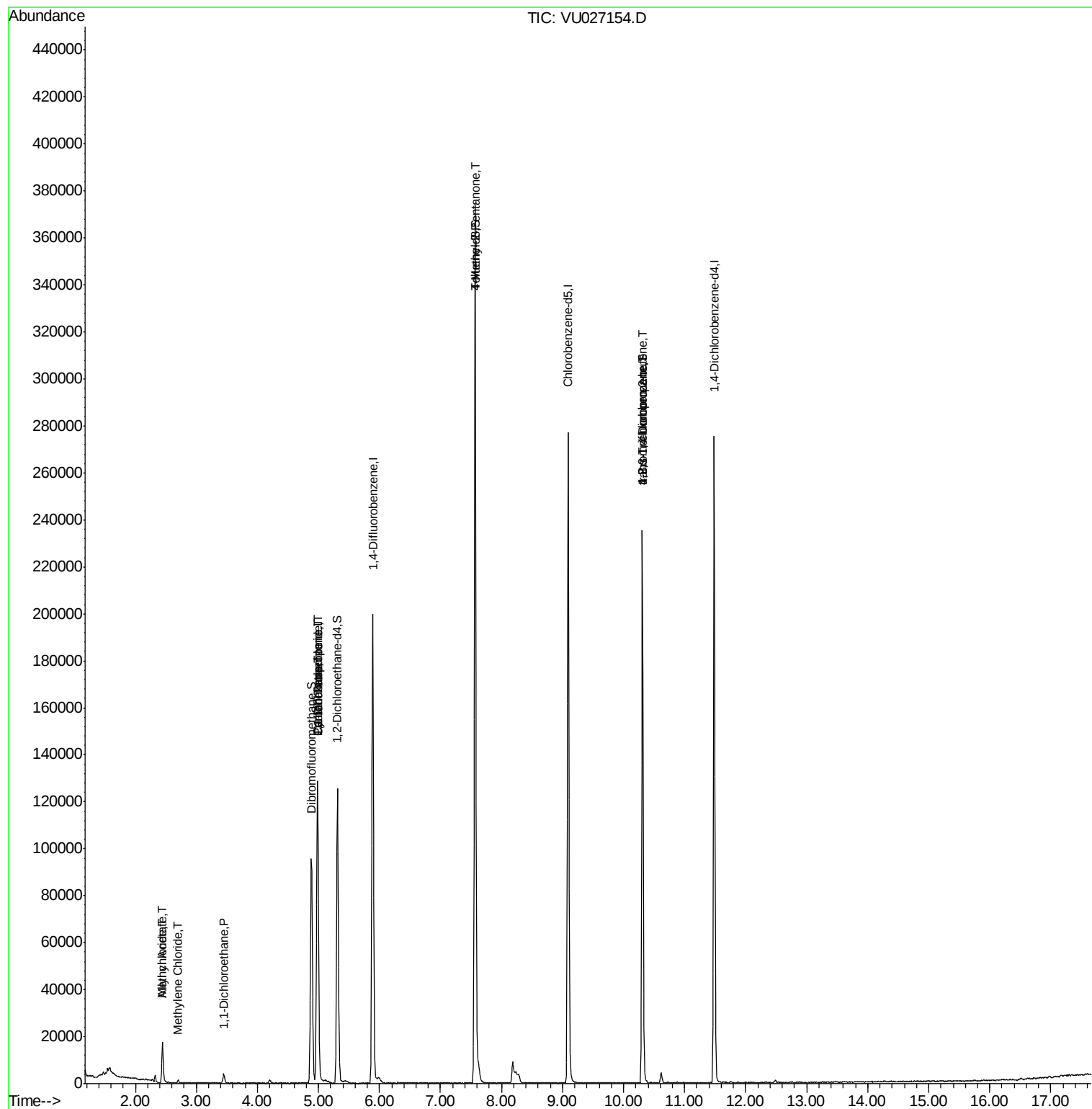
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	2.44	41	1631	0.654	ug/l #	76
16) Acetone	2.32	43	3188	Below Cal		91
18) Methyl Acetate	2.44	43	4203	1.649	ug/l #	55
20) Methylene Chloride	2.70	84	552	0.344	ug/l #	86
24) 1,1-Dichloroethane	3.45	63	4874	1.660	ug/l #	96
31) Cyclohexane	4.98	56	2216	0.258	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8567	4.230	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9427	4.891	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1095	0.407	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	42626	21.403	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	42626	68.493	ug/l #	100

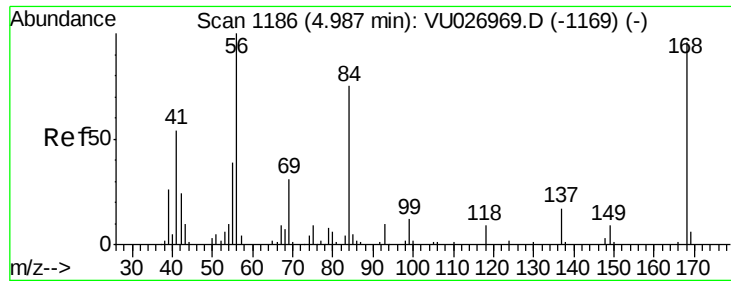
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027154.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA_U

ClientSampleId :

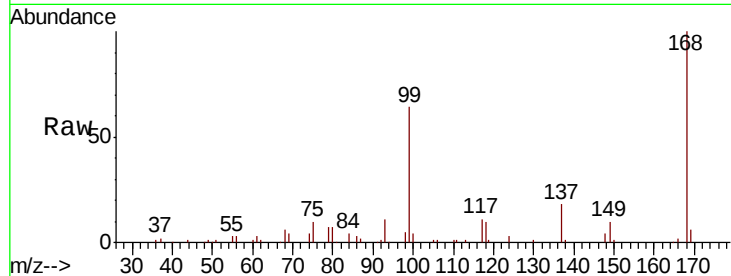
SA-DUP06-20180916

Tot Ion:168 Resp: 88964

Ion Ratio Lower Upper

168 100

99 64.4 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

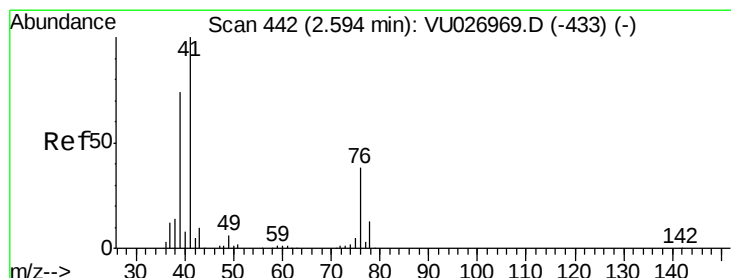
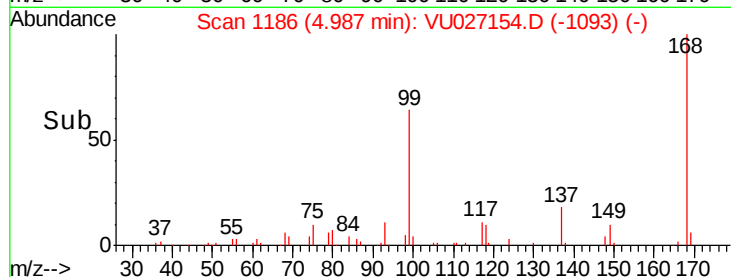
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#14

Allyl chloride

Concen: 0.654 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

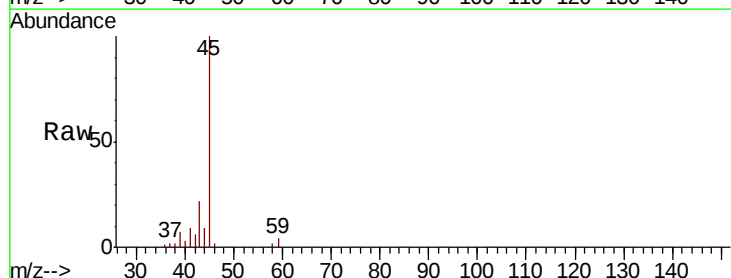
Tgt Ion: 41 Resp: 1631

Ion Ratio Lower Upper

41 100

39 75.8 55.7 83.5

76 0.0 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VU026969.D (-433) (-)

Ion 39.00 (38.70 to 39.70): VU026969.D (-433) (-)

Ion 75.90 (75.60 to 76.60): VU026969.D (-433) (-)

2.44

1200

1000

800

600

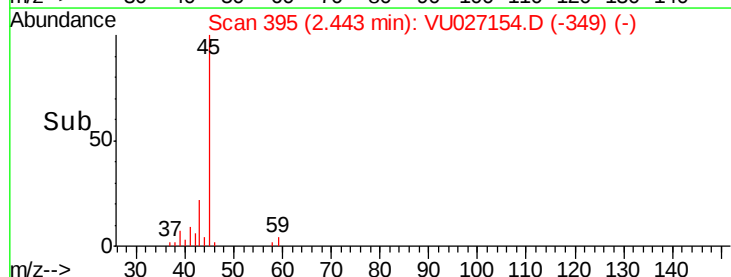
400

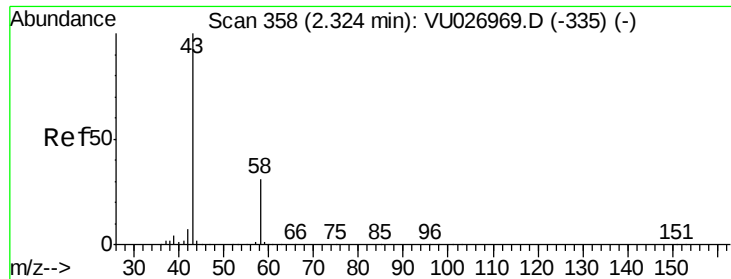
200

0

2.40 2.45 2.50

Time-->





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA_U

ClientSampleId :

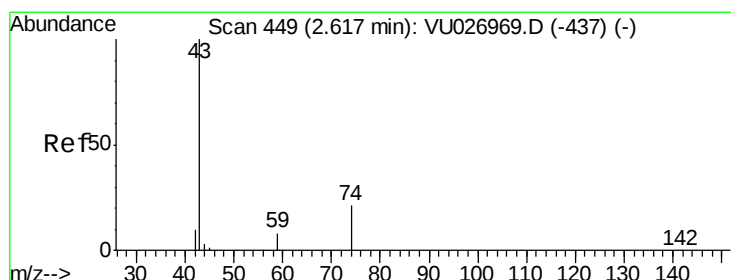
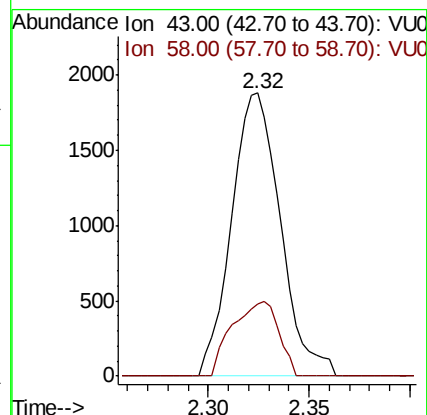
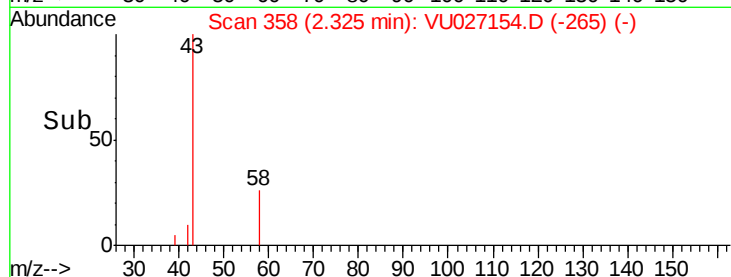
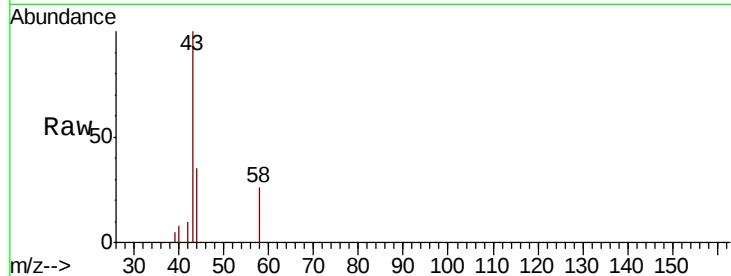
SA-DUP06-20180916

Tot Ion: 43 Resp: 3188

Ion Ratio Lower Upper

43 100

58 25.5 24.6 36.8



#18

Methyl Acetate

Concen: 1.649 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027154.D

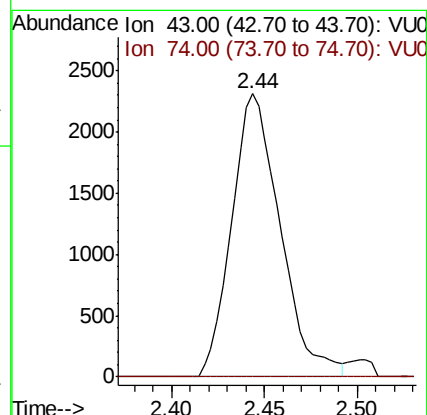
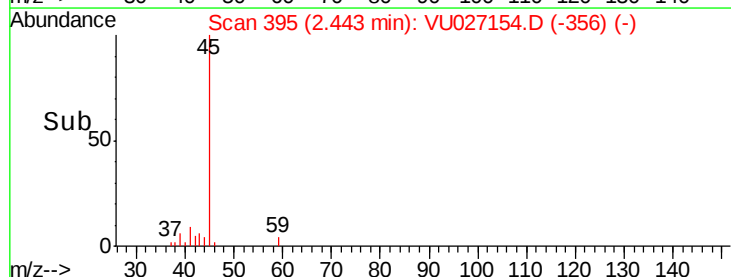
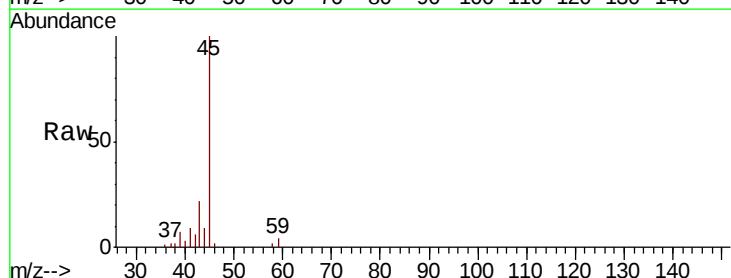
Acq: 26 Sep 2018 02:29

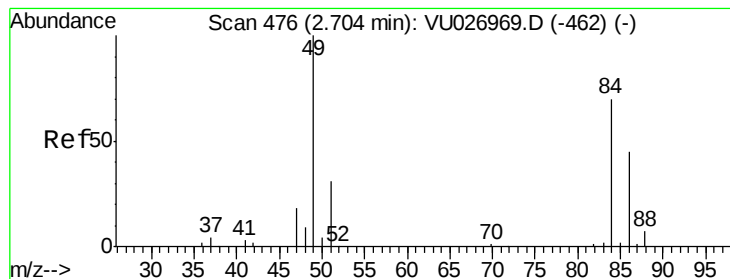
Tgt Ion: 43 Resp: 4203

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#





#20

Methvlene Chloride

Concen: 0.344 ug/l

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA_U

ClientSampleId :

SA-DUP06-20180916

Tot Ion: 84 Resp: 552

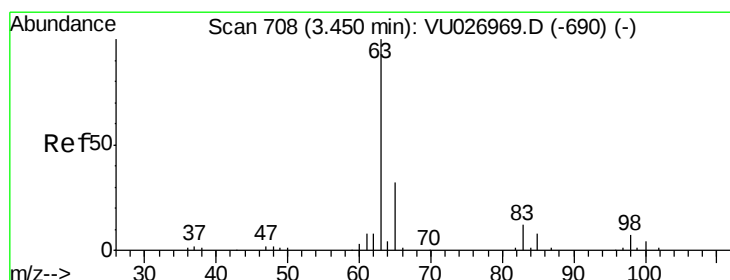
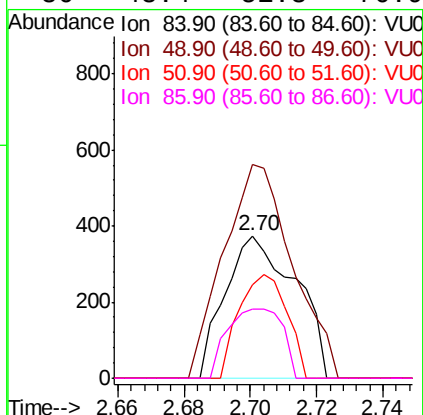
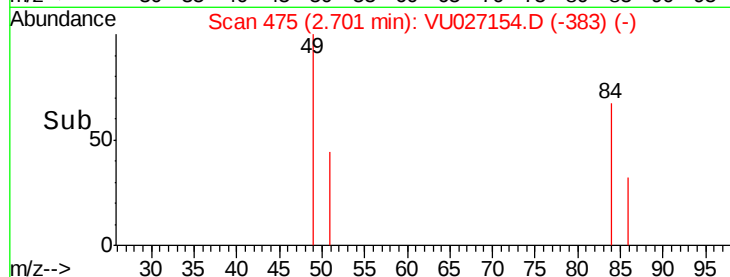
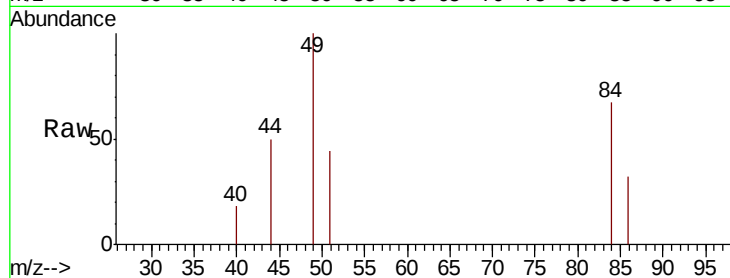
Ion Ratio Lower Upper

84 100

49 150.0 114.9 172.3

51 65.5 35.8 53.8#

86 48.4 51.3 76.9#



#24

1,1-Dichloroethane

Concen: 1.660 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

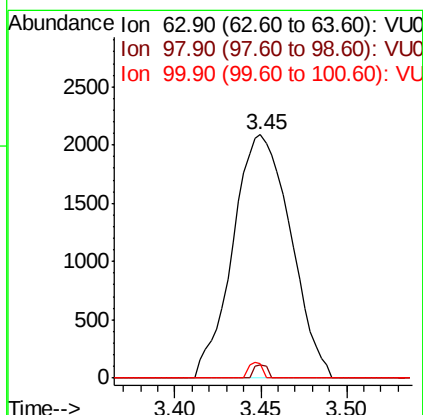
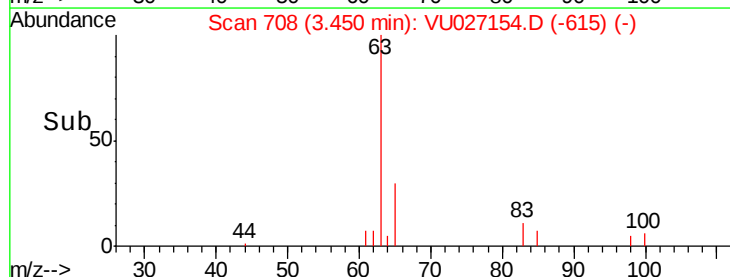
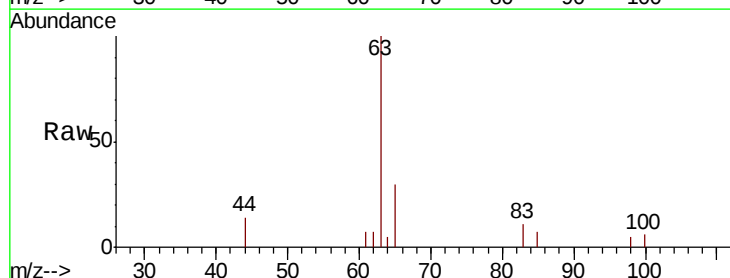
Tgt Ion: 63 Resp: 4874

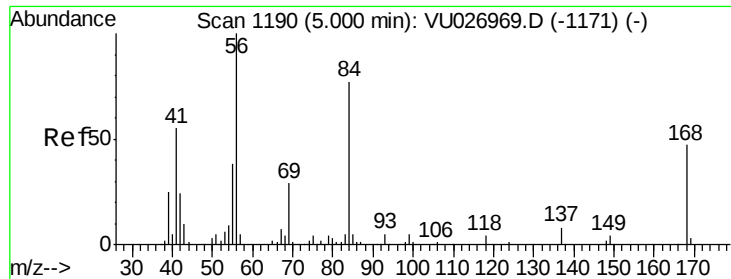
Ion Ratio Lower Upper

63 100

98 5.5 3.3 9.8

100 6.0 2.0 5.8#

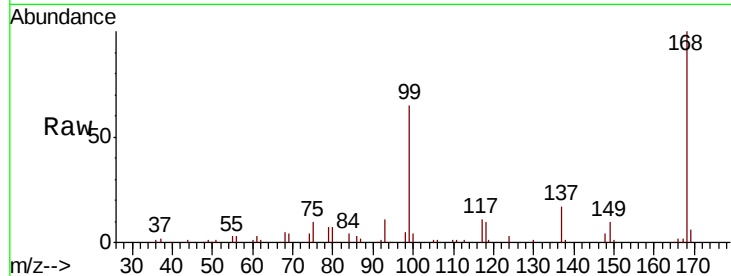




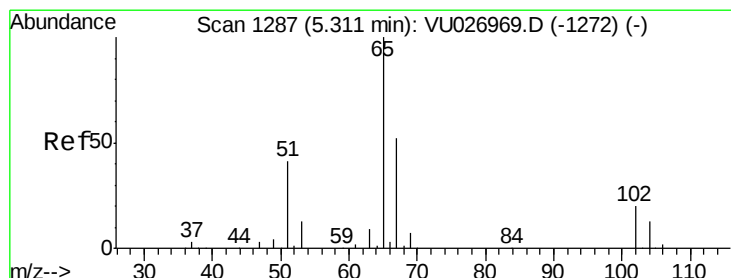
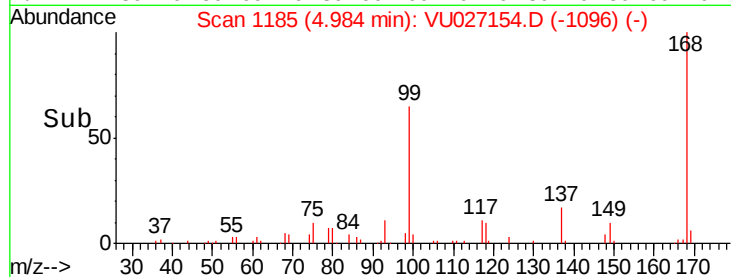
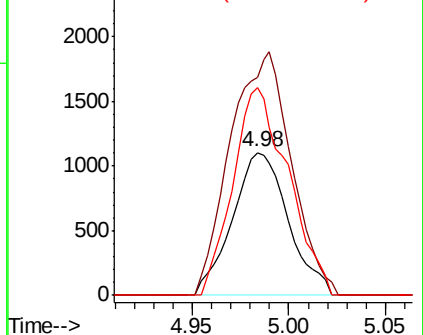
#31
Cyclohexane
Concen: 0.258 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027154.D
Acq: 26 Sep 2018 02:29

Instrument :
MSVOA_U
ClientSampleId :
SA-DUP06-20180916

Tot Ion: 56 Resp: 2216
Ion Ratio Lower Upper
56 100
69 153.0 23.0 34.4#
84 145.1 61.4 92.2#

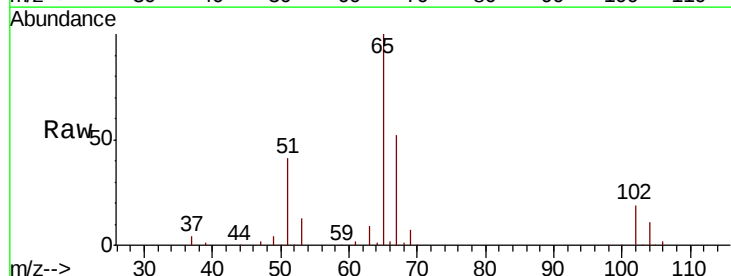


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

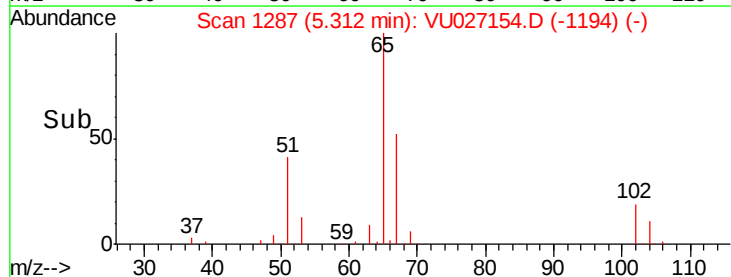
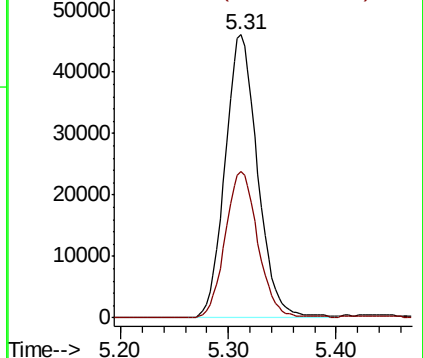


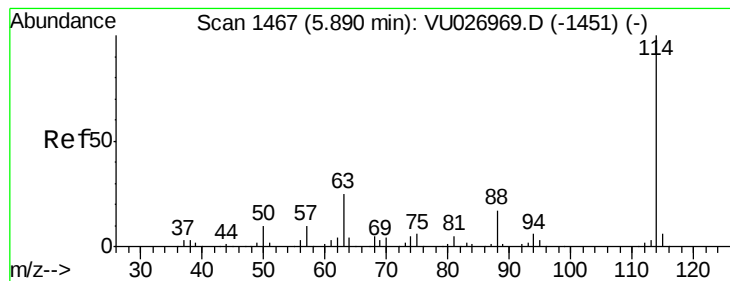
#33
1,2-Dichloroethane-d4
Concen: 54.136 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027154.D
Acq: 26 Sep 2018 02:29

Tgt Ion: 65 Resp: 96934
Ion Ratio Lower Upper
65 100
67 52.1 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: VU027154.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA_U

ClientSampleId :

SA-DUP06-20180916

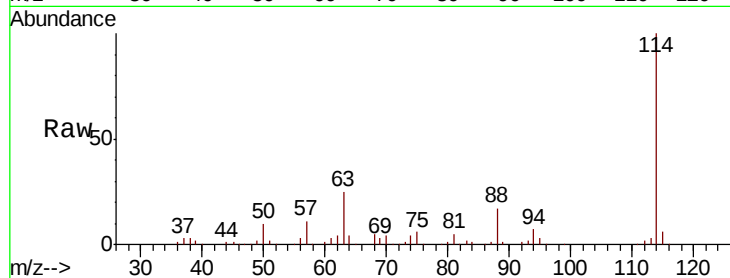
Tot Ion:114 Resp: 151768

Ion Ratio Lower Upper

114 100

63 25.4 0.0 49.2

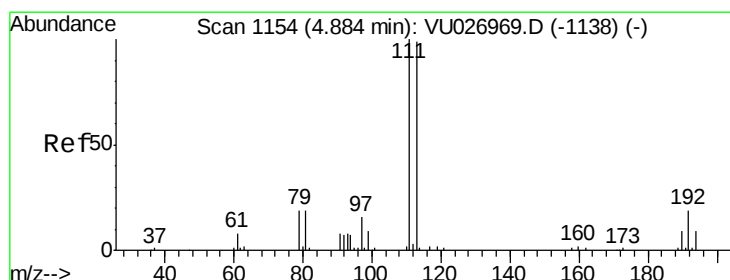
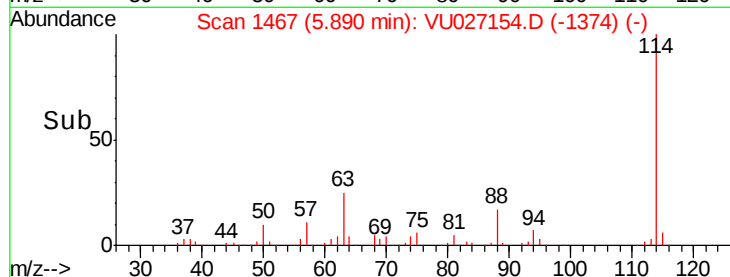
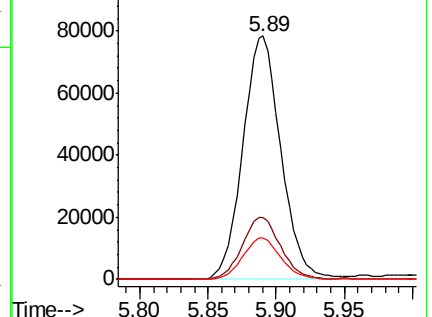
88 17.1 0.0 33.8



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: 49.905 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

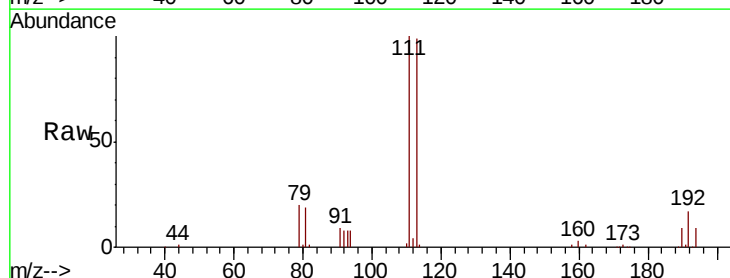
Tgt Ion:113 Resp: 65651

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

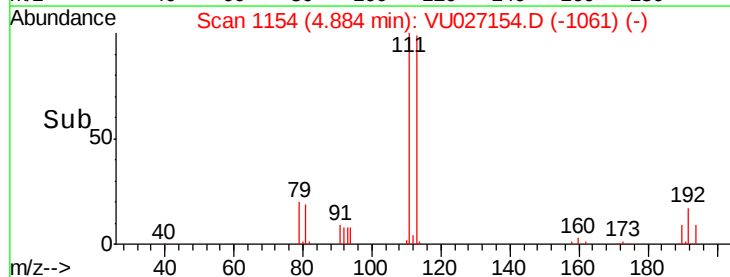
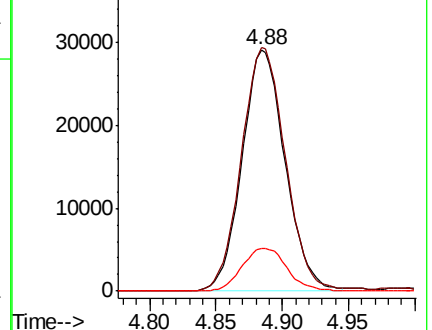
192 18.4 15.2 22.8

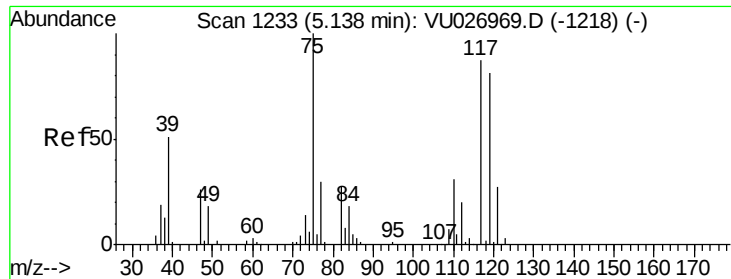


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

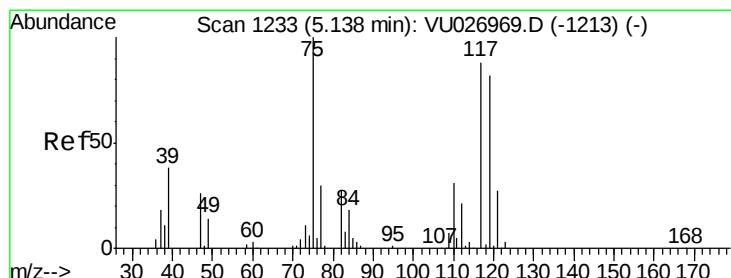
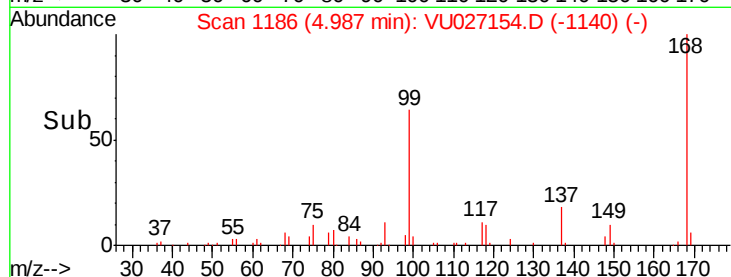
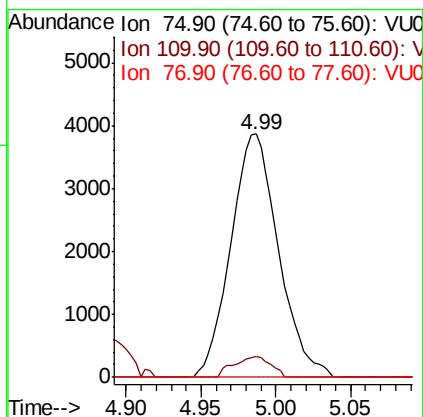
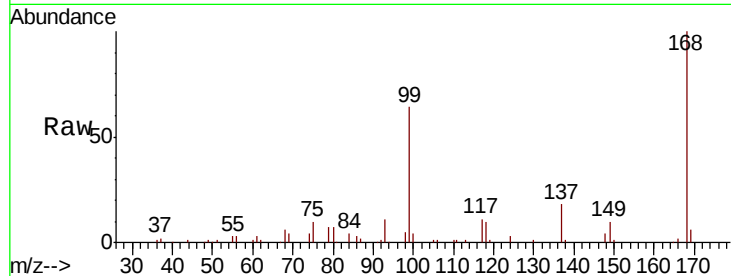




#36
 1,1-Dichloropropene
 Concen: 4.230 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027154.D
 Acq: 26 Sep 2018 02:29

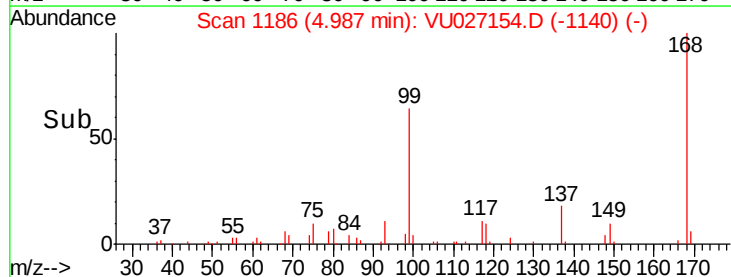
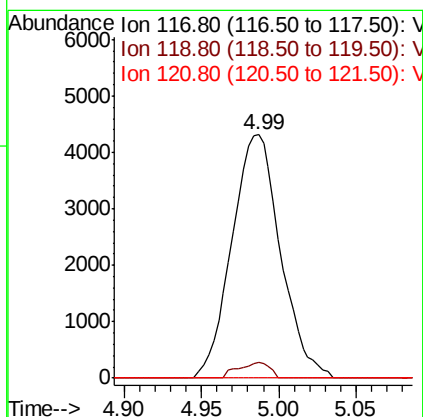
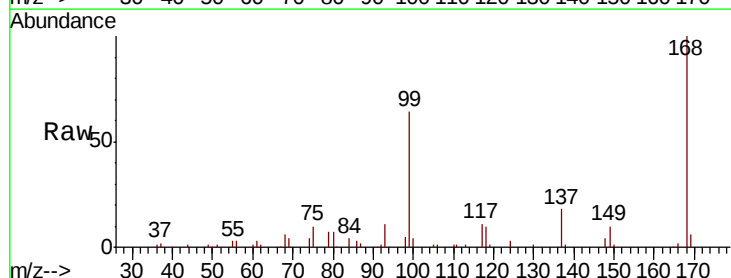
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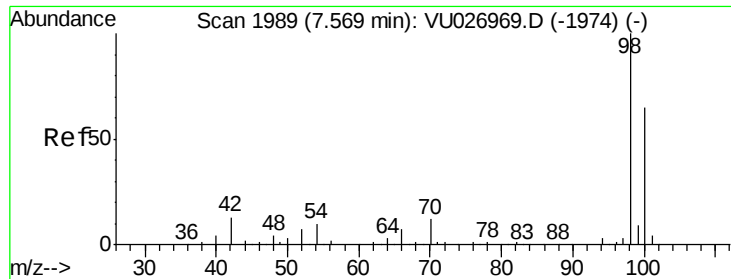
Tot Ion: 75 Resp: 8567
 Ion Ratio Lower Upper
 75 100
 110 6.7 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.891 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027154.D
 Acq: 26 Sep 2018 02:29

Tgt Ion: 117 Resp: 9427
 Ion Ratio Lower Upper
 117 100
 119 6.4 74.4 111.6#
 121 0.0 24.2 36.4#





#50

Toluene-d8

Concen: 48.937 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA_U

ClientSampleId :

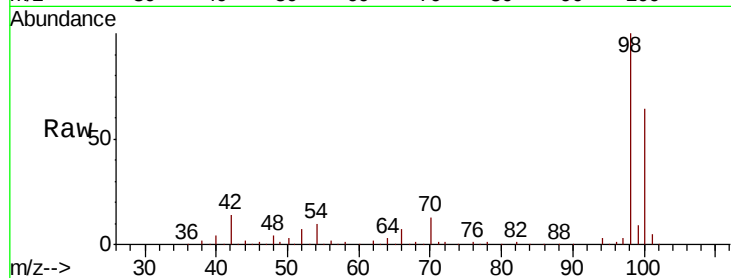
SA-DUP06-20180916

Tot Ion: 98 Resp: 245349

Ion Ratio Lower Upper

98 100

100 61.6 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

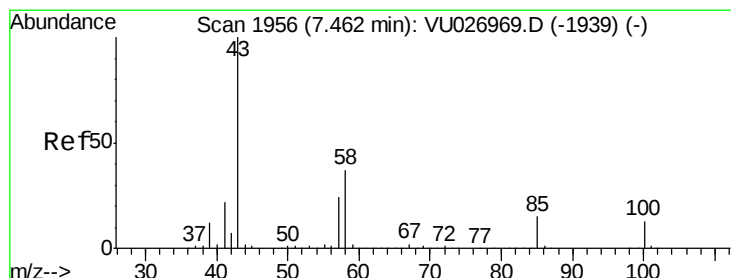
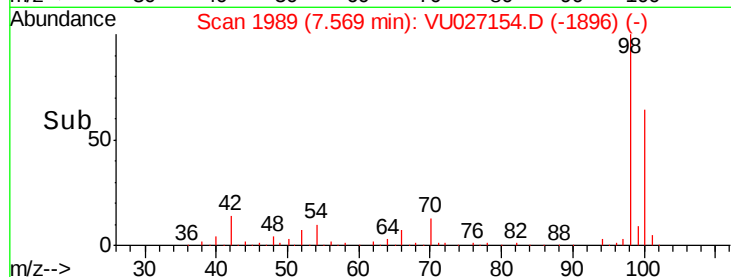
100000

50000

0

7.50 7.55 7.60 7.65

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.407 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.10 min

Lab File: VU027154.D

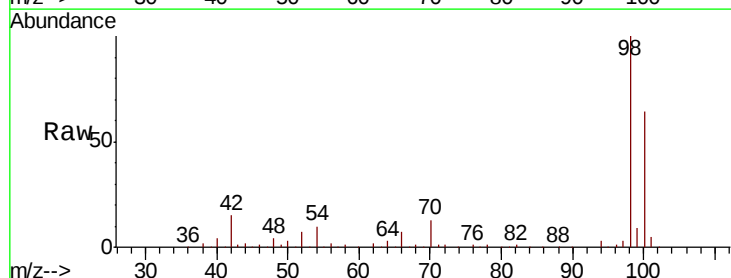
Acq: 26 Sep 2018 02:29

Tgt Ion: 43 Resp: 1095

Ion Ratio Lower Upper

43 100

58 201.6 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) (-)

1500

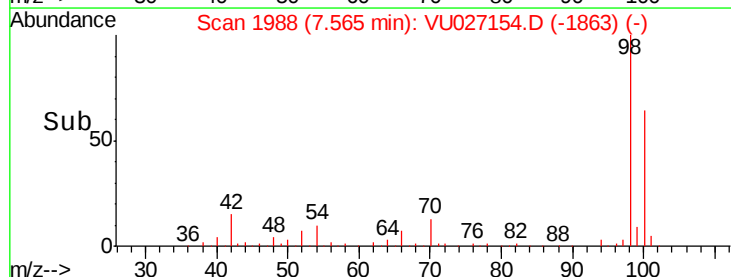
1000

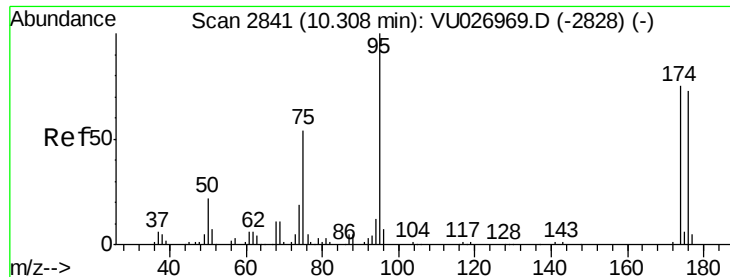
500

0

7.55 7.57 7.59

Time-->

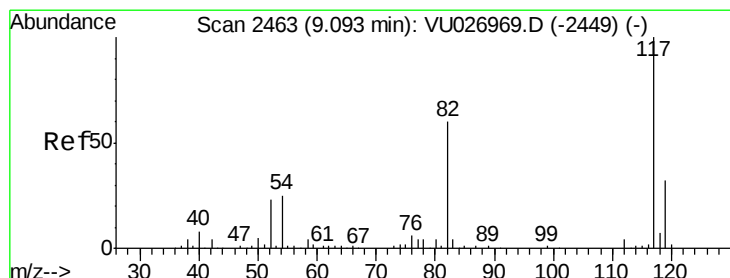
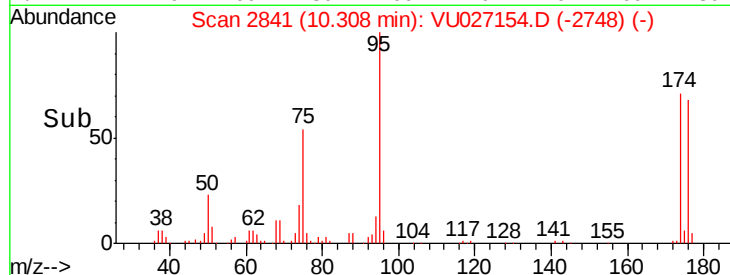
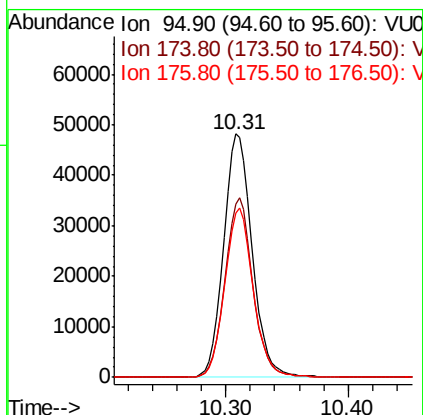
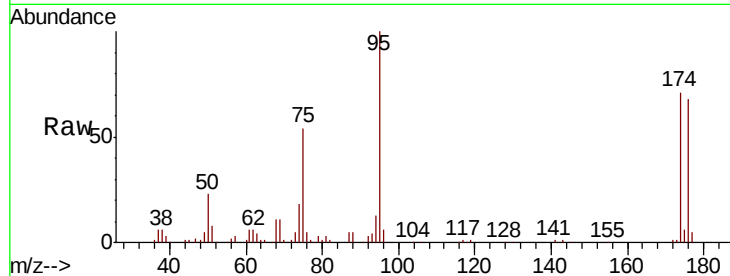




#62
 4-Bromofluorobenzene
 Concen: 46.023 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027154.D
 Acq: 26 Sep 2018 02:29

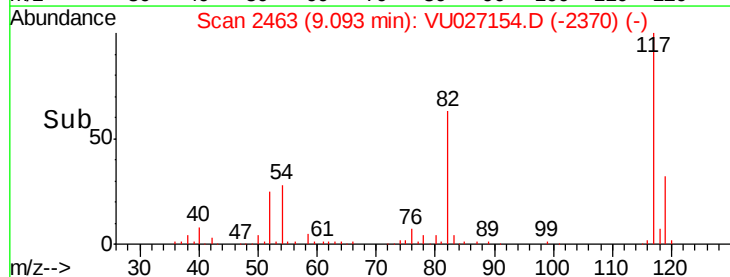
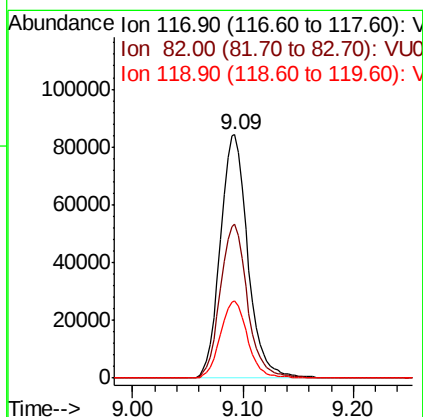
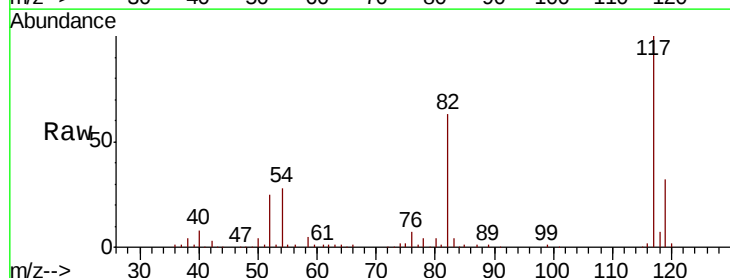
Instrument :
 MSVOA_U
 ClientSampleId :
 SA-DUP06-20180916

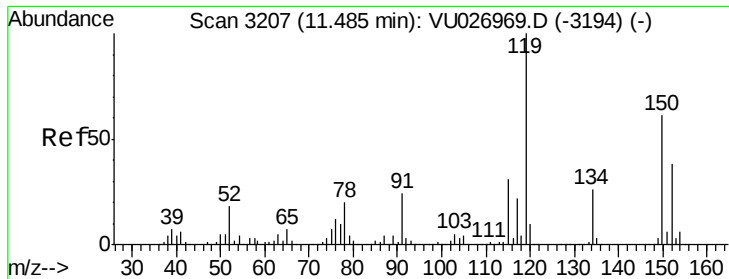
Tot Ion: 95 Resp: 79174
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 150.2
 176 69.4 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027154.D
 Acq: 26 Sep 2018 02:29

Tgt Ion: 117 Resp: 145877
 Ion Ratio Lower Upper
 117 100
 82 63.4 48.0 72.0
 119 31.5 25.8 38.8



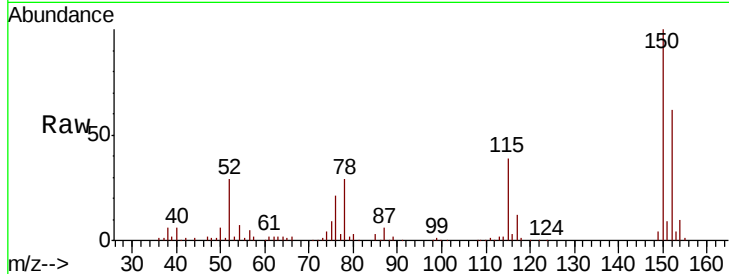


#72

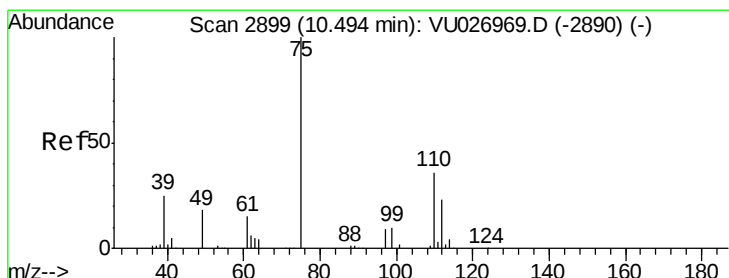
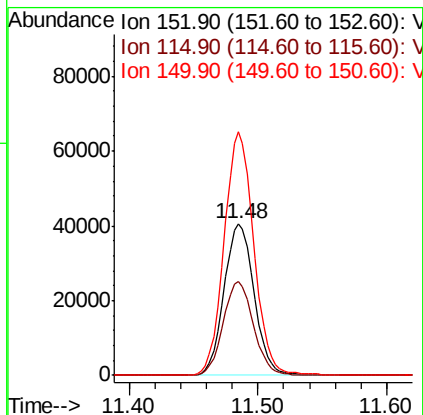
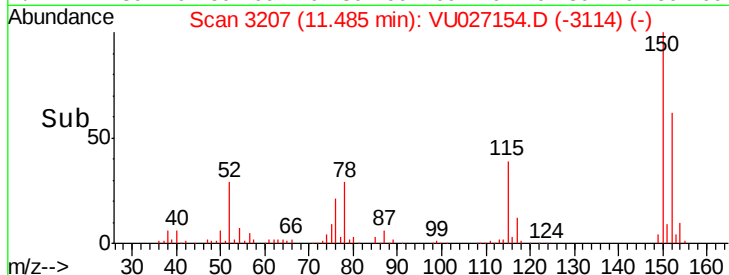
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027154.D
Acq: 26 Sep 2018 02:29

Instrument :
MSVOA_U
ClientSampleId :
SA-DUP06-20180916

Tot Ion:152 Resp: 65557
Ion Ratio Lower Upper
152 100
115 62.2 44.9 134.5
150 158.9 0.0 355.8



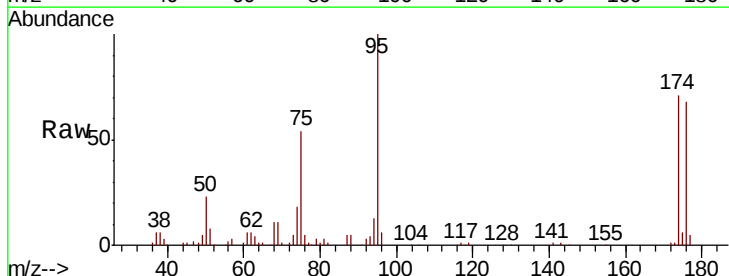
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



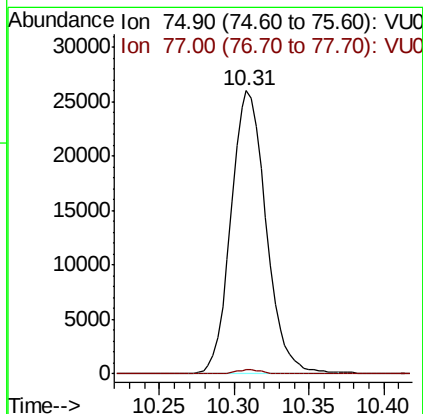
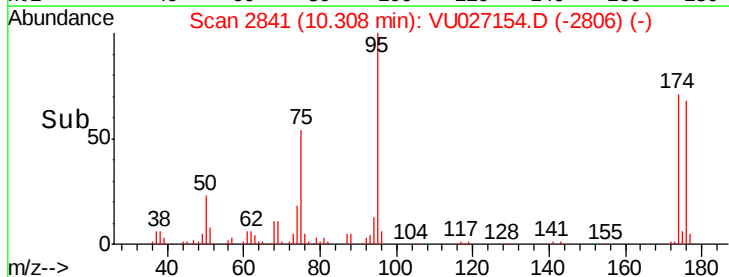
#76

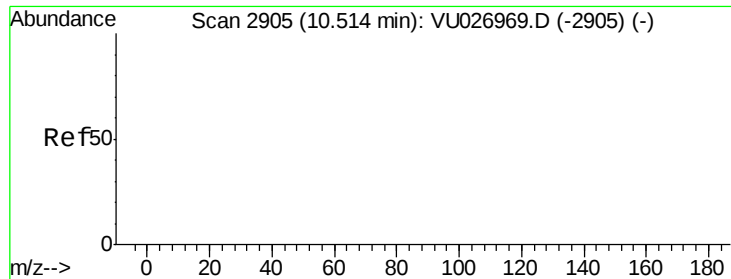
1,2,3-Trichloropropane
Concen: 21.403 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027154.D
Acq: 26 Sep 2018 02:29

Tgt Ion: 75 Resp: 42626
Ion Ratio Lower Upper
75 100
77 1.0 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: 68.493 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027154.D

Acq: 26 Sep 2018 02:29

Instrument :

MSVOA_U

ClientSampleId :

SA-DUP06-20180916

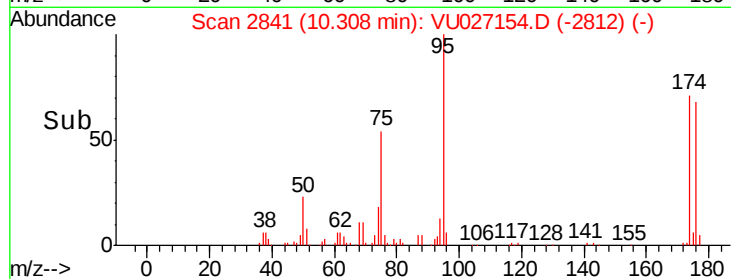
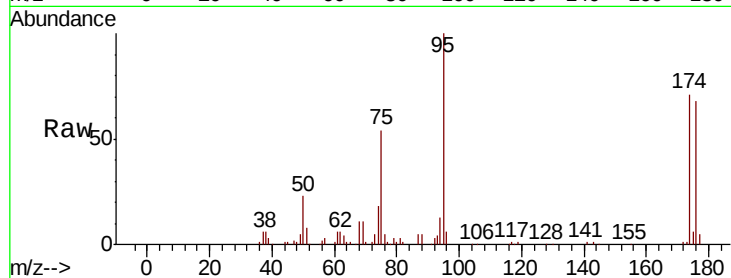
Tot Ion: 75 Resp: 42626

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

