

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027180.D
 Acq On : 26 Sep 2018 16:13
 Operator : MD/SY
 Sample : J5049-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-40-SEP18

Quant Time: Sep 27 01:07:39 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	4.98	168	92414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	154409	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	69745	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	96979	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	4.88	113	66995	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	
50) Toluene-d8	7.57	98	244331	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
62) 4-Bromofluorobenzene	10.31	95	81645	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	

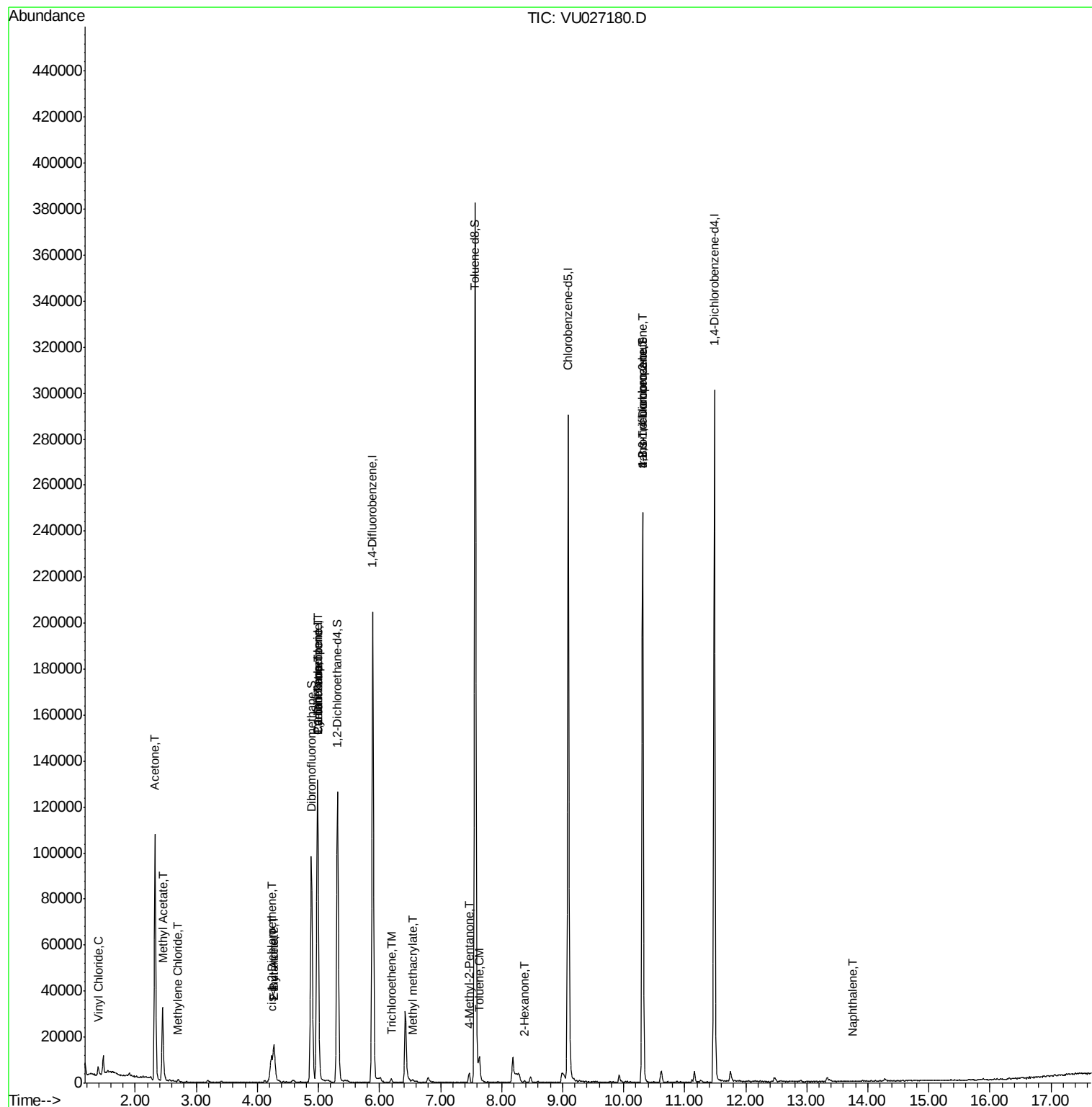
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	961	0.495	ug/l #	68
16) Acetone	2.32	43	112691	104.397	ug/l	99
18) Methyl Acetate	2.45	43	7547	2.851	ug/l #	55
20) Methylene Chloride	2.70	84	355	0.213	ug/l #	86
25) 2-Butanone	4.27	43	27938	17.873	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	5627	3.656	ug/l	95
31) Cyclohexane	4.99	56	2334	0.270	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8887	4.312	ug/l #	51
37) Ethyl Acetate	4.27	43	27938	10.015	ug/l #	70
38) Carbon Tetrachloride	4.98	117	9752	4.973	ug/l #	17
44) Trichloroethene	6.19	130	593	0.445	ug/l	93
48) Methyl methacrylate	6.55	41	319	1.153	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	3159	1.154	ug/l	89
52) Toluene	7.64	92	2253	0.627	ug/l	96
59) 2-Hexanone	8.38	43	800	0.373	ug/l	65
76) 1,2,3-Trichloropropane	10.31	75	44623	21.060	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44623	67.396	ug/l #	100
95) Naphthalene	13.75	128	196	1.722	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

Instrument :

MSVOA_U

ClientSampleId :

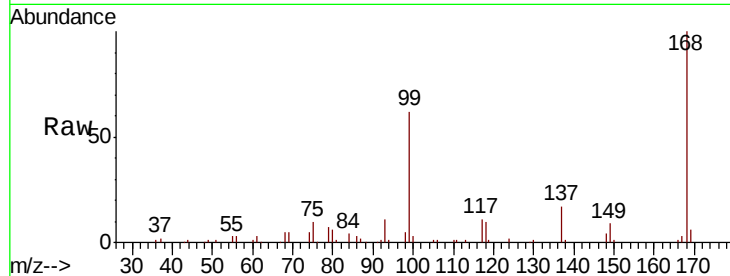
MW-40-SEP18

Tgt Ion:168 Resp: 92414

Ion Ratio Lower Upper

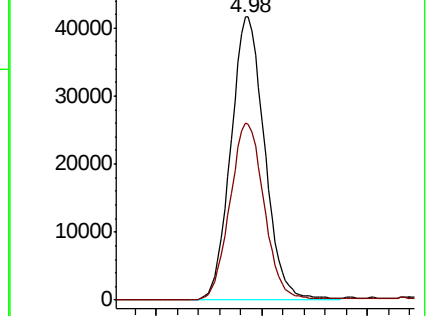
168 100

99 62.4 48.1 72.1

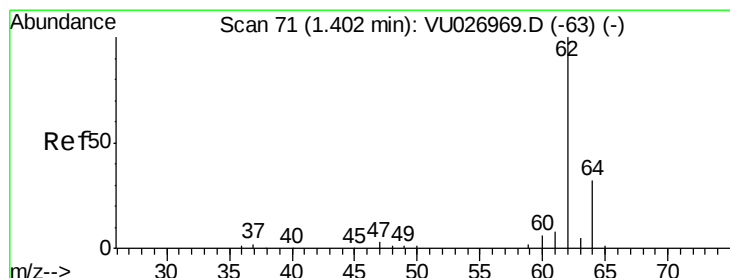
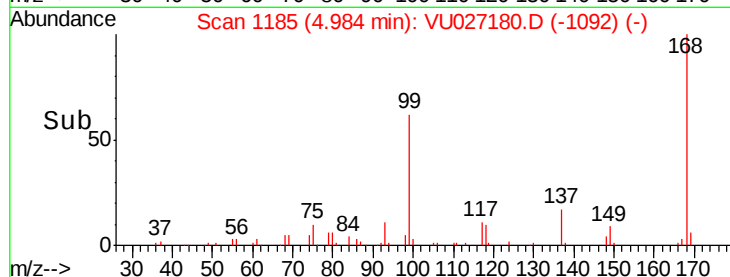


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D

Ion 98.90 (98.60 to 99.60): VU027180.D



Time-->



#4

Vinyl Chloride

Concen: 0.495 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027180.D

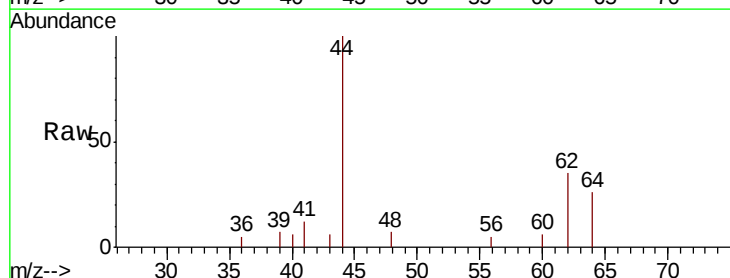
Acq: 26 Sep 2018 16:13

Tgt Ion: 62 Resp: 961

Ion Ratio Lower Upper

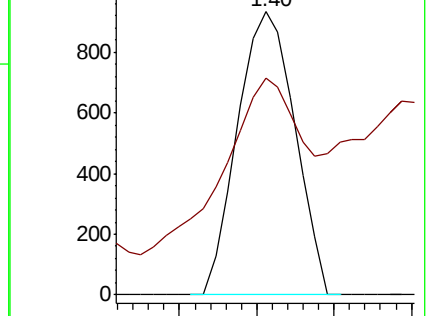
62 100

64 49.5 25.5 38.3#

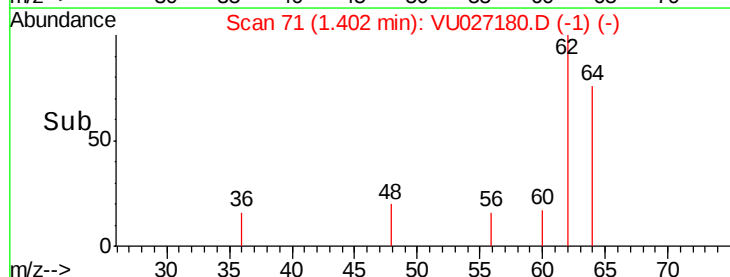


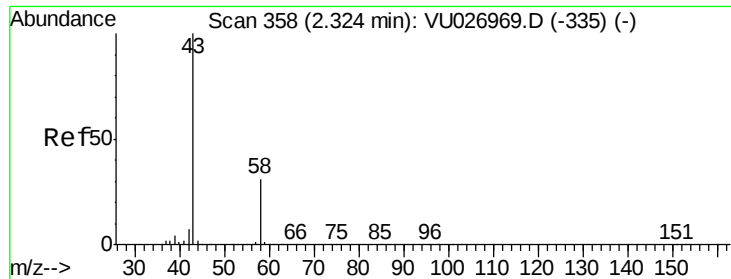
Abundance Ion 61.90 (61.60 to 62.60): VU026969.D

Ion 63.90 (63.60 to 64.60): VU027180.D



Time-->





#16

Acetone

Concen: 104.397 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

Instrument :

MSVOA_U

ClientSampleId :

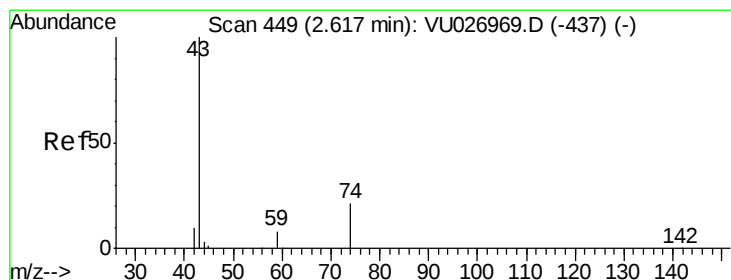
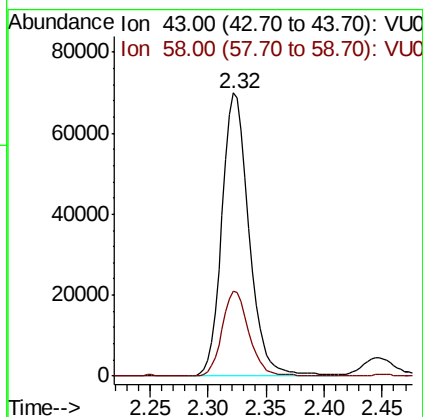
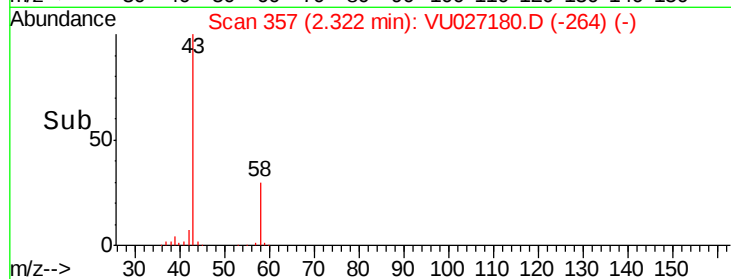
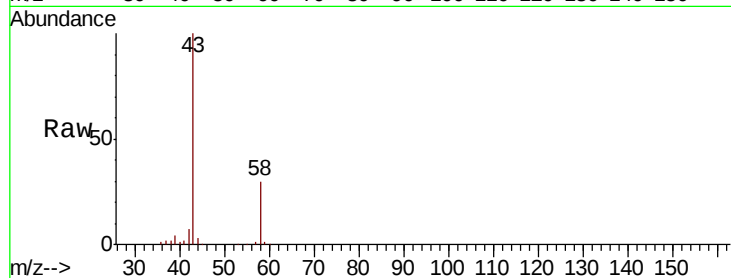
MW-40-SEP18

Tgt Ion: 43 Resp: 112691

Ion Ratio Lower Upper

43 100

58 29.9 24.6 36.8



#18

Methyl Acetate

Concen: 2.851 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.17 min

Lab File: VU027180.D

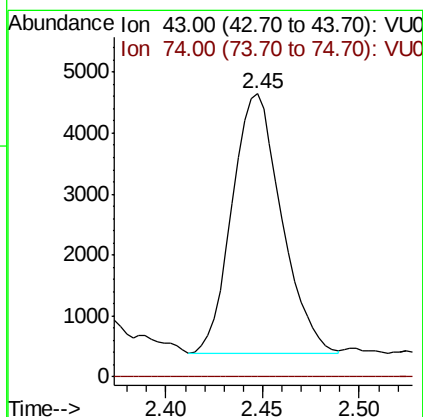
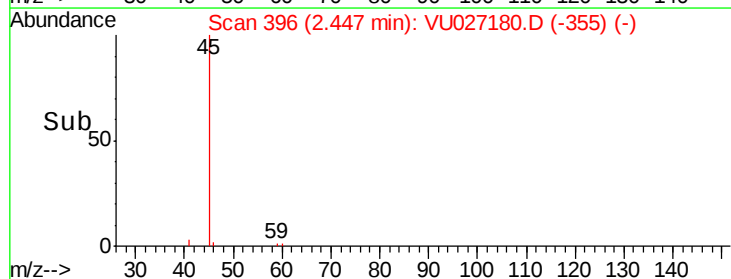
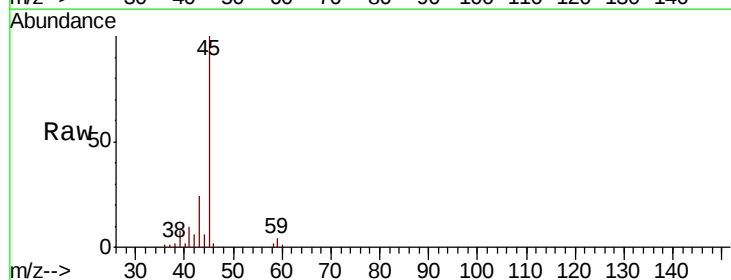
Acq: 26 Sep 2018 16:13

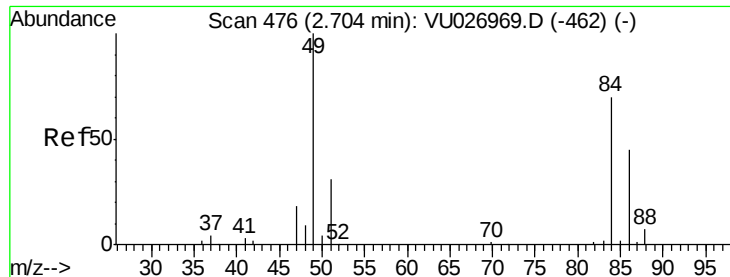
Tgt Ion: 43 Resp: 7547

Ion Ratio Lower Upper

43 100

74 0.0 16.6 25.0#

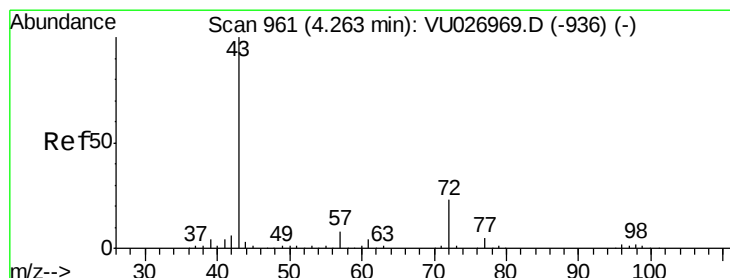
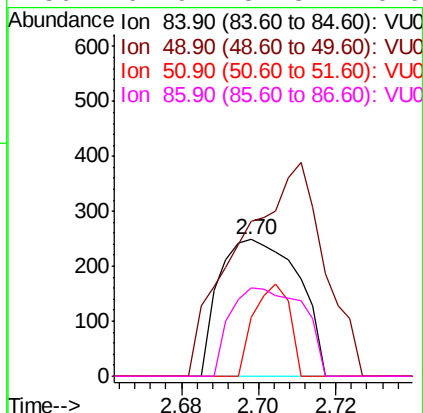
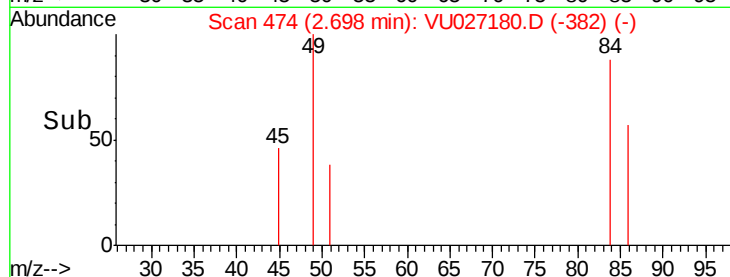
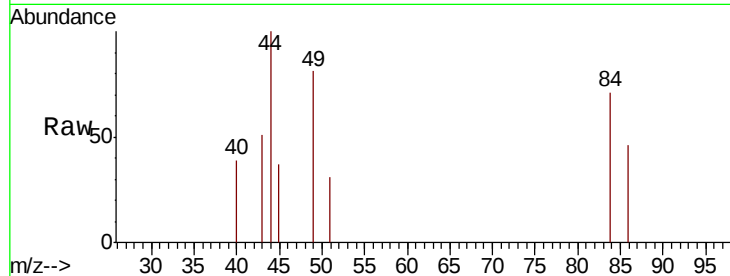




#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.01 min
Lab File: VU027180.D
Acq: 26 Sep 2018 16:13

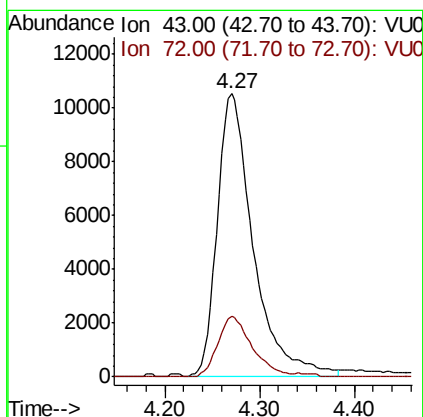
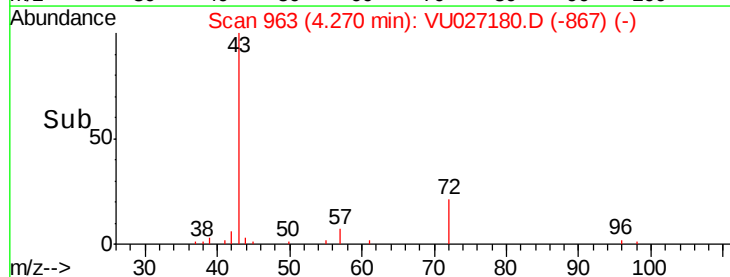
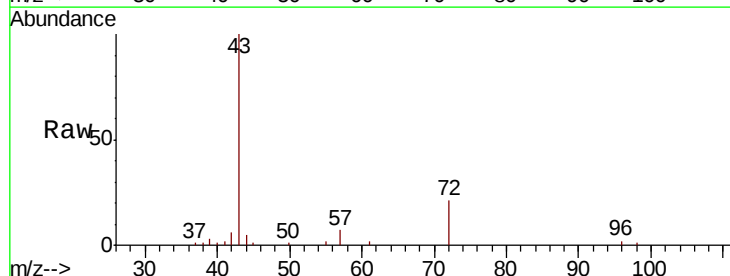
Instrument :
MSVOA_U
ClientSampleId :
MW-40-SEP18

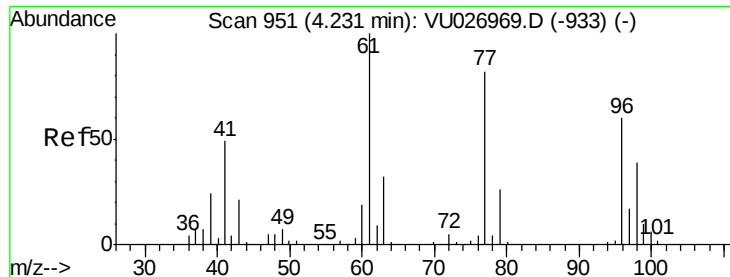
Tgt Ion: 84 Resp: 355
Ion Ratio Lower Upper
84 100
49 113.7 114.9 172.3#
51 43.1 35.8 53.8
86 64.9 51.3 76.9



#25
2-Butanone
Concen: 17.873 ug/l
RT: 4.27 min Scan# 963
Delta R.T. 0.01 min
Lab File: VU027180.D
Acq: 26 Sep 2018 16:13

Tgt Ion: 43 Resp: 27938
Ion Ratio Lower Upper
43 100
72 21.3 18.4 27.6



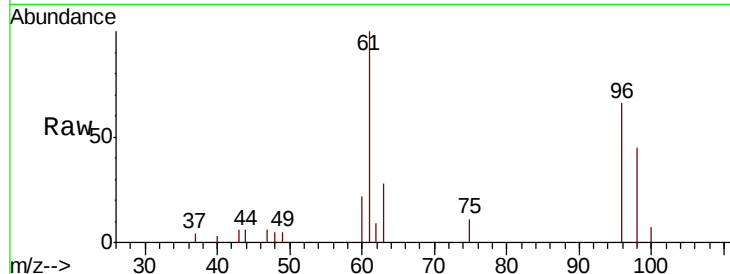


#27

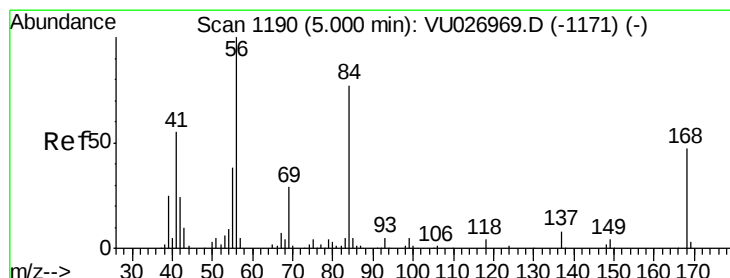
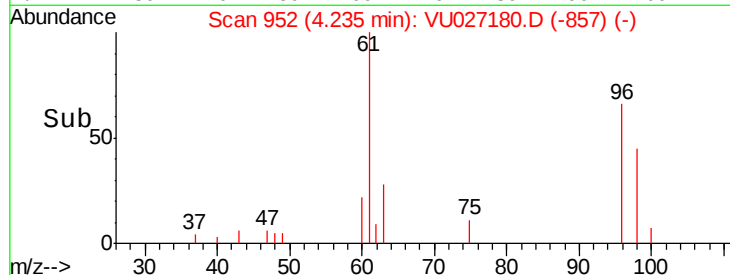
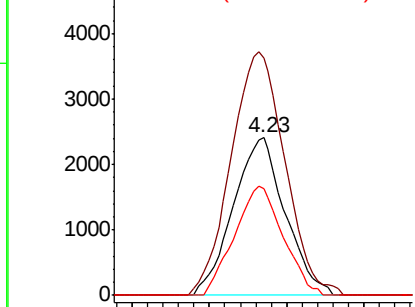
cis-1,2-Dichloroethene
 Concen: 3.656 ug/l
 RT: 4.23 min Scan# 952
 Delta R.T. 0.00 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-40-SEP18

Tgt Ion: 96 Resp: 5627
 Ion Ratio Lower Upper
 96 100
 61 159.9 0.0 337.2
 98 64.5 0.0 127.6



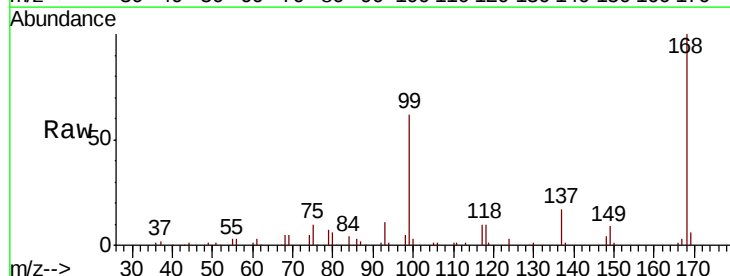
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



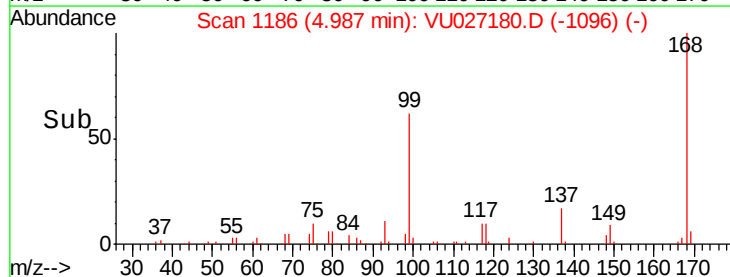
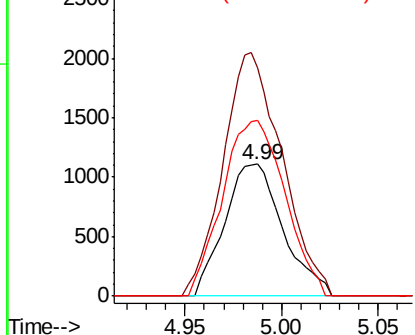
#31

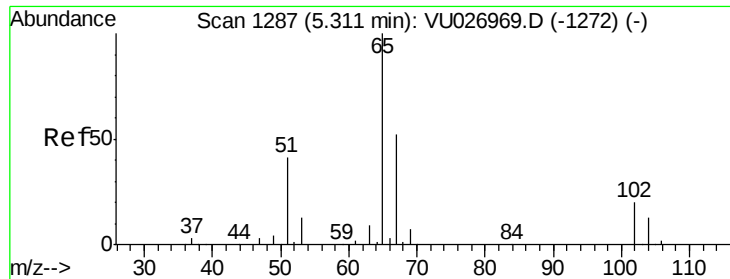
Cyclohexane
 Concen: 0.270 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

Tgt Ion: 56 Resp: 2334
 Ion Ratio Lower Upper
 56 100
 69 173.3 23.0 34.4#
 84 132.9 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

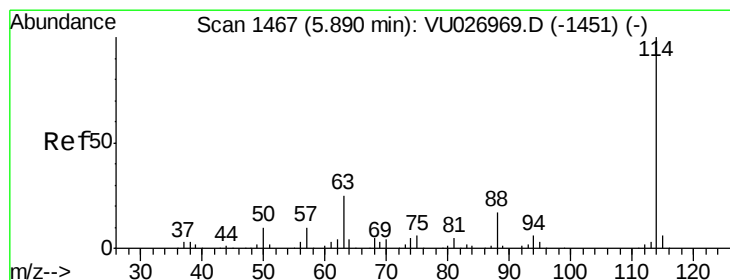
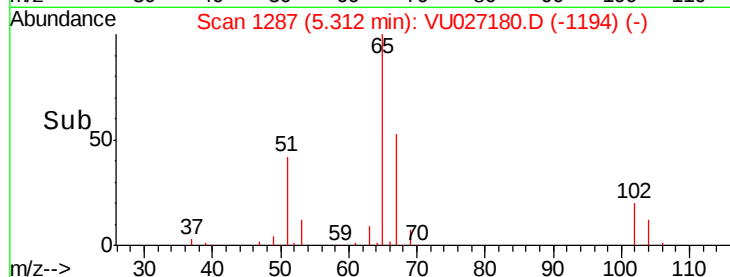
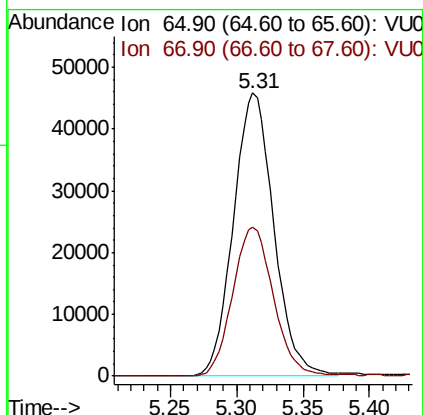
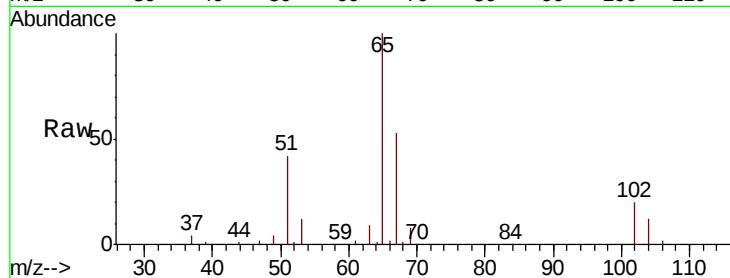




#33
 1,2-Dichloroethane-d4
 Concen: 52.140 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

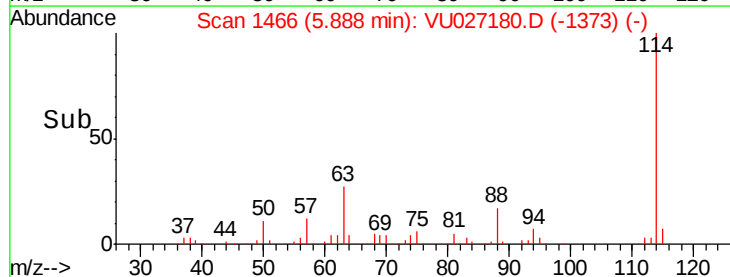
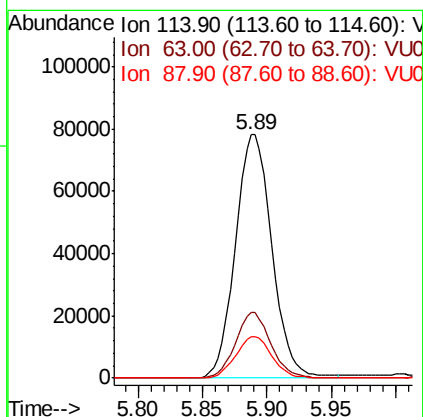
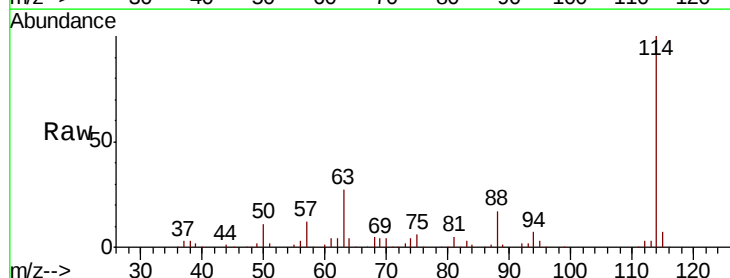
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-40-SEP18

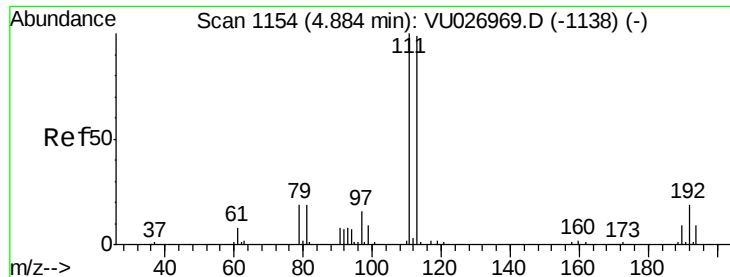
Tgt Ion: 65 Resp: 96979
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

Tgt Ion: 114 Resp: 154409
 Ion Ratio Lower Upper
 114 100
 63 27.1 0.0 49.2
 88 17.0 0.0 33.8

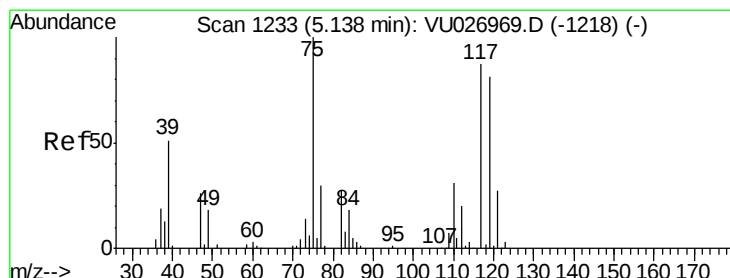
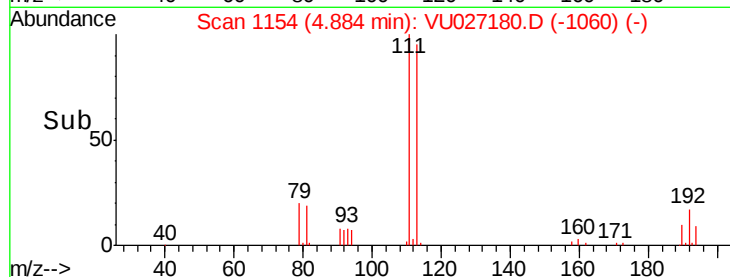
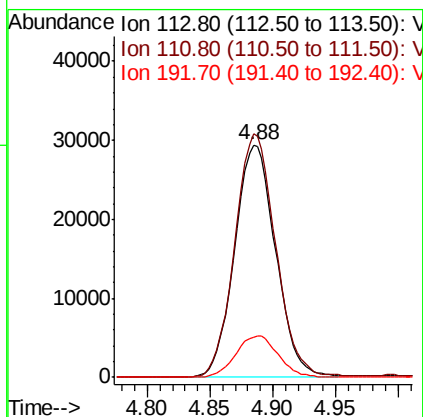
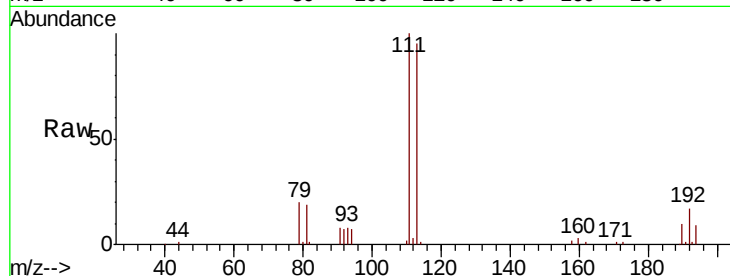




#35
 Dibromofluoromethane
 Concen: 50.055 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

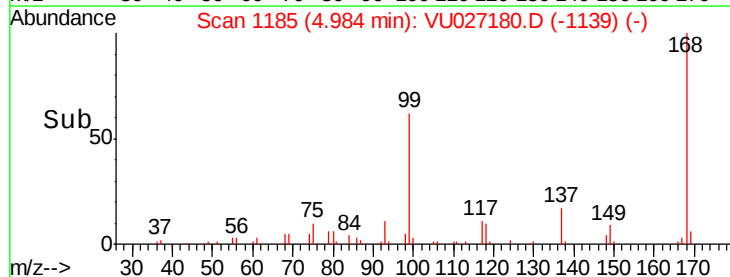
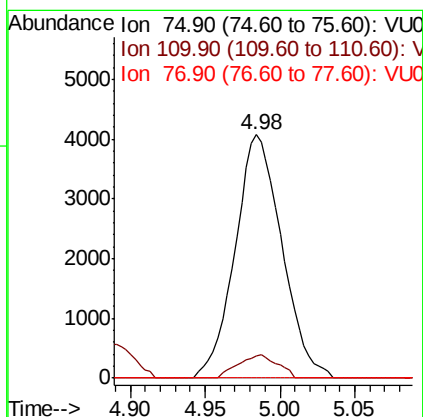
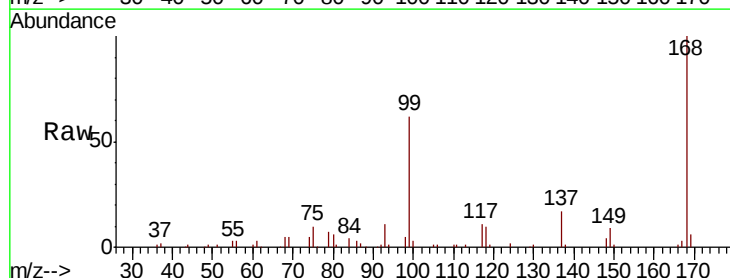
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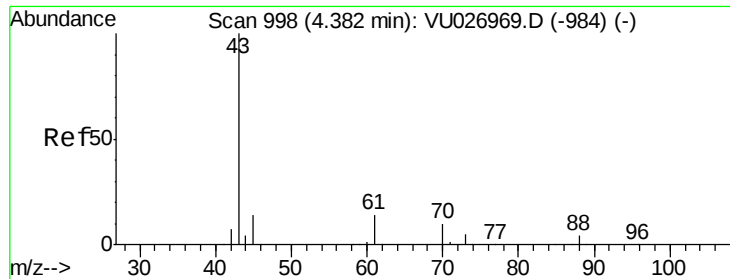
Tgt Ion:113 Resp: 66995
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.2 123.4
 192 18.4 15.2 22.8



#36
 1,1-Dichloropropene
 Concen: 4.312 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

Tgt Ion: 75 Resp: 8887
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.1 48.2#
 77 0.0 24.6 36.8#





#37

Ethyl Acetate

Concen: 10.015 ug/l

RT: 4.27 min Scan# 963

Delta R.T. -0.11 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

Instrument :

MSVOA_U

ClientSampled :

MW-40-SEP18

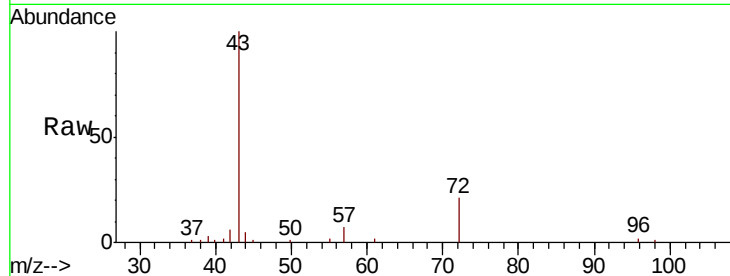
Tgt Ion: 43 Resp: 27938

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

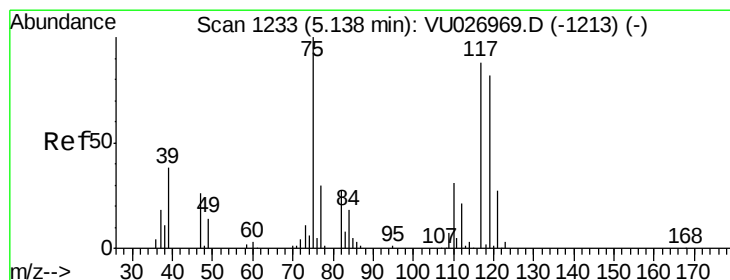
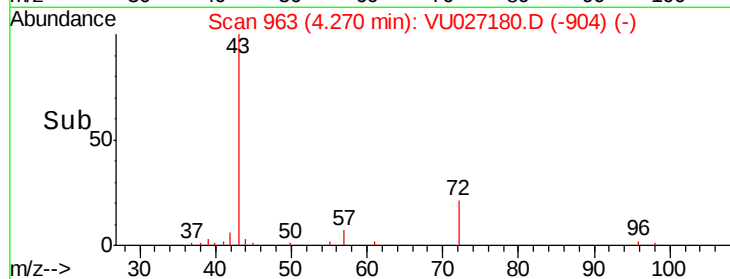
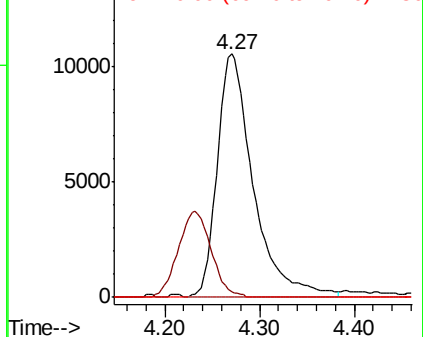
70 0.0 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)



#38

Carbon Tetrachloride

Concen: 4.973 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

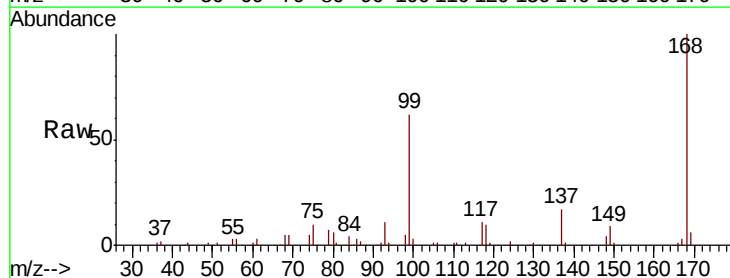
Tgt Ion: 117 Resp: 9752

Ion Ratio Lower Upper

117 100

119 5.1 74.4 111.6#

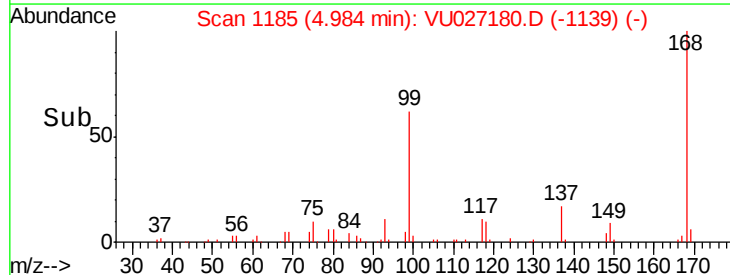
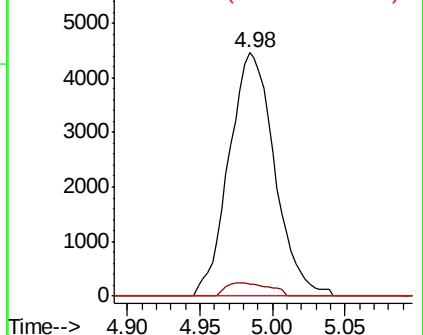
121 0.0 24.2 36.4#

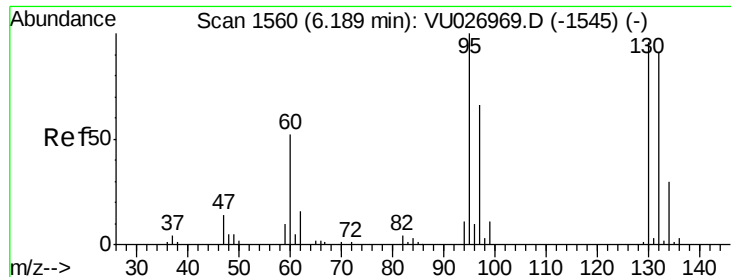


Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

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

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





#44

Trichloroethene

Concen: 0.445 ug/l

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

Instrument :

MSVOA_U

ClientSampleId :

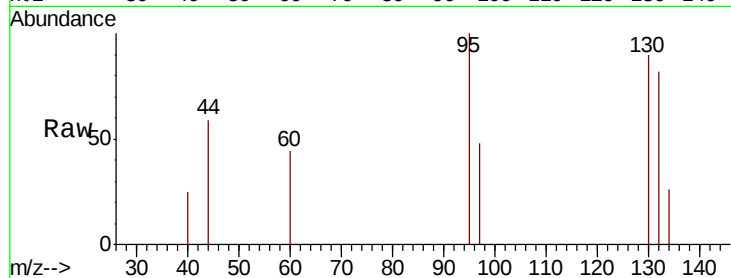
MW-40-SEP18

Tgt Ion:130 Resp: 593

Ion Ratio Lower Upper

130 100

95 111.1 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

500

400

300

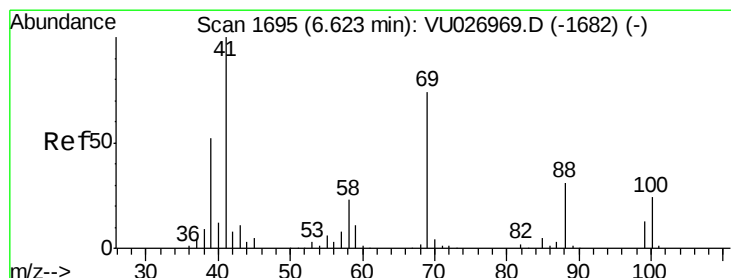
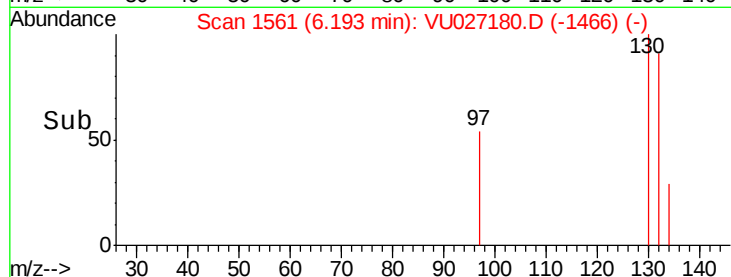
200

100

0

6.16 6.18 6.20 6.22

Time-->



#48

Methyl methacrylate

Concen: 1.153 ug/l

RT: 6.55 min Scan# 1671

Delta R.T. -0.08 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

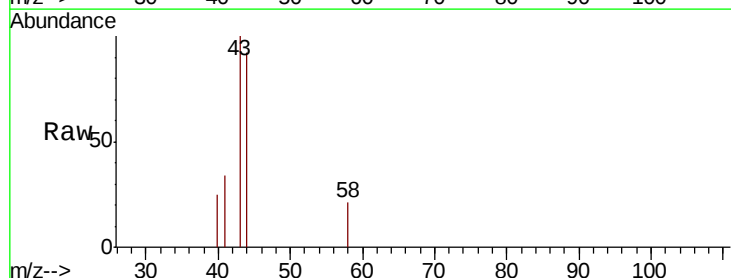
Tgt Ion: 41 Resp: 319

Ion Ratio Lower Upper

41 100

69 0.0 60.6 90.8#

39 0.0 42.8 64.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

250

200

150

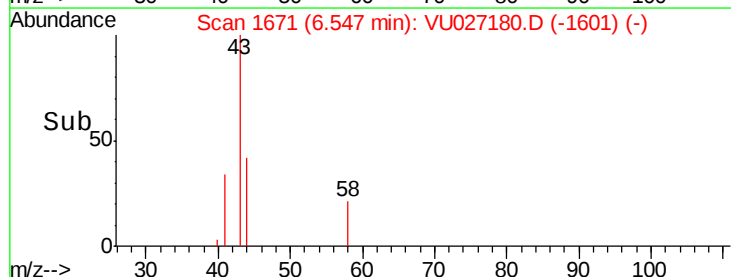
100

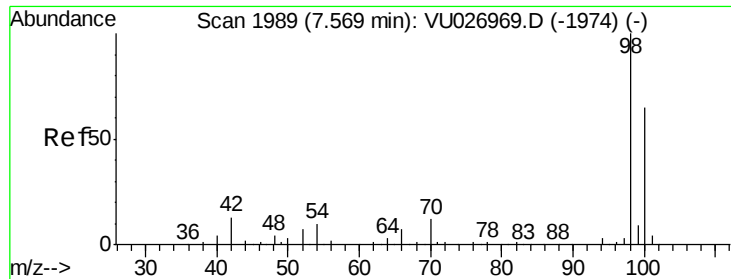
50

0

6.52 6.54 6.56 6.58

Time-->

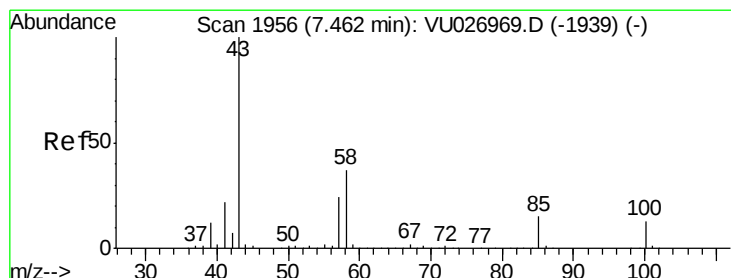
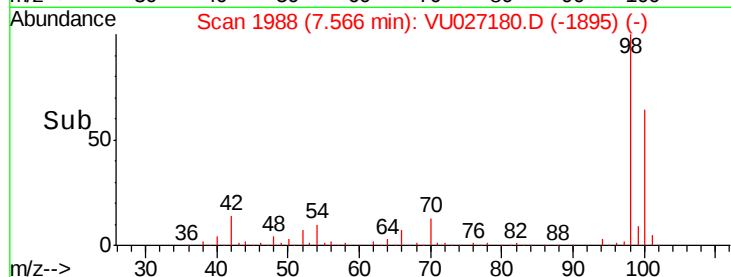
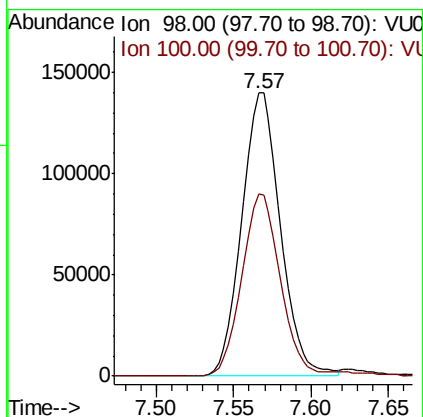
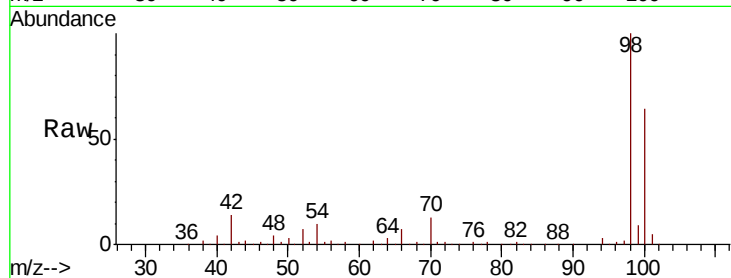




#50
Toluene-d8
Concen: 47.901 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027180.D
Acq: 26 Sep 2018 16:13

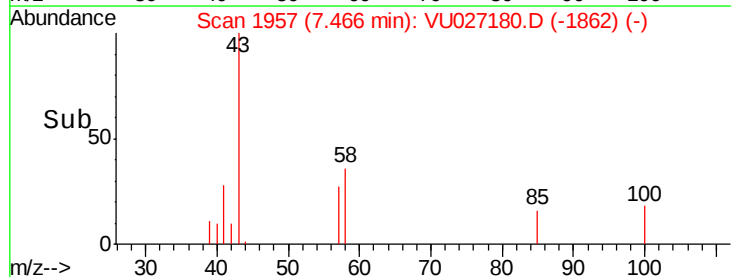
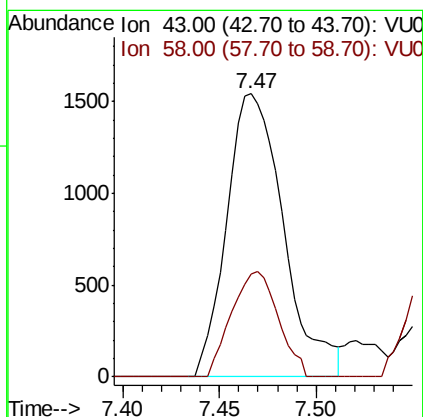
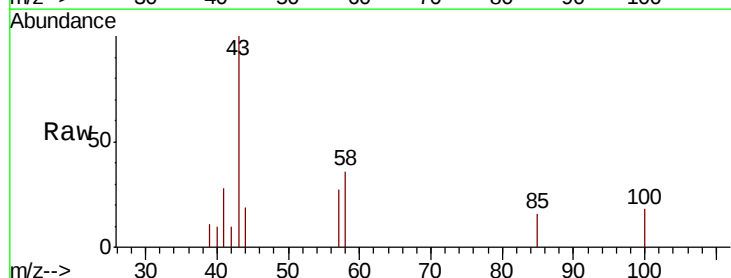
Instrument :
MSVOA_U
ClientSampleId :
MW-40-SEP18

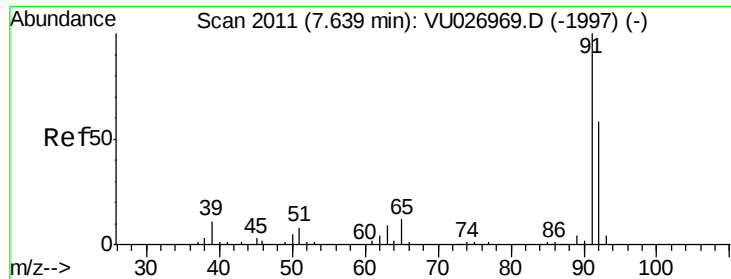
Tgt Ion: 98 Resp: 244331
Ion Ratio Lower Upper
98 100
100 63.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.154 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VU027180.D
Acq: 26 Sep 2018 16:13

Tgt Ion: 43 Resp: 3159
Ion Ratio Lower Upper
43 100
58 30.8 29.8 44.6





#52

Toluene

Concen: 0.627 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

Instrument :

MSVOA_U

ClientSampleId :

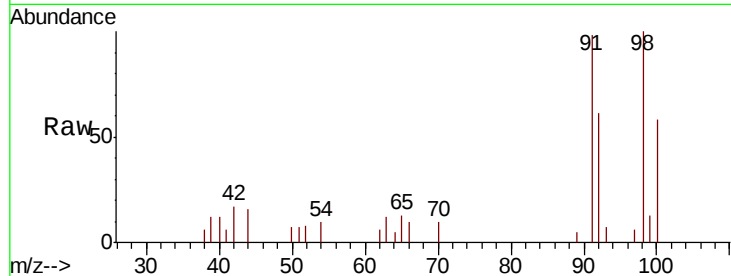
MW-40-SEP18

Tgt Ion: 92 Resp: 2253

Ion Ratio Lower Upper

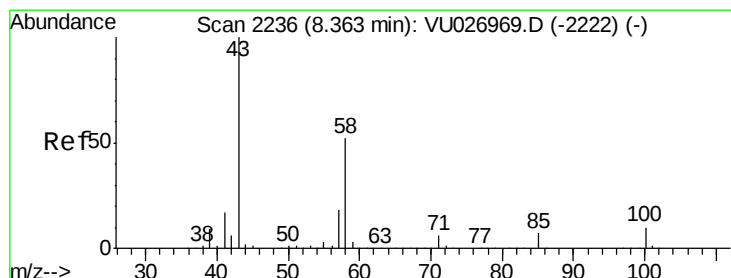
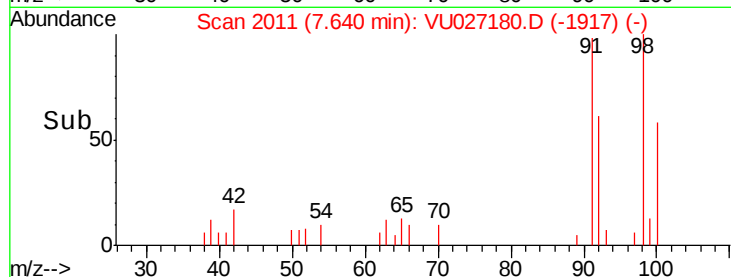
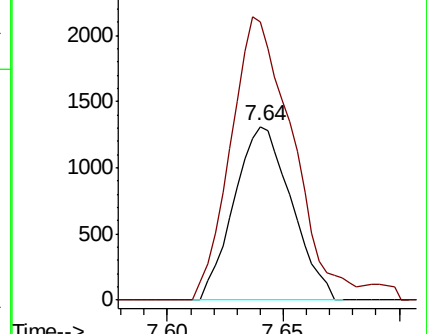
92 100

91 175.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VU026969.D (-1997) (-)

Ion 91.00 (90.70 to 91.70): VU026969.D (-1997) (-)



#59

2-Hexanone

Concen: 0.373 ug/l

RT: 8.38 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VU027180.D

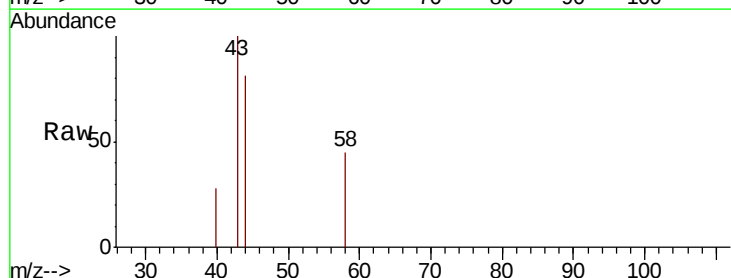
Acq: 26 Sep 2018 16:13

Tgt Ion: 43 Resp: 800

Ion Ratio Lower Upper

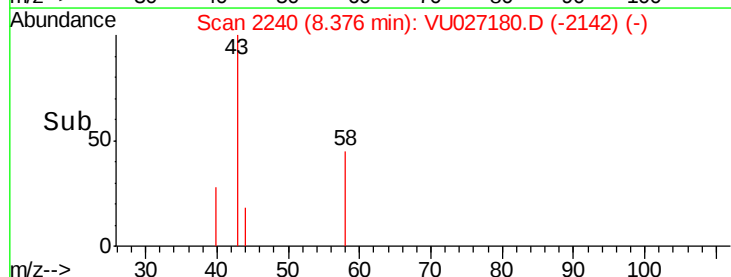
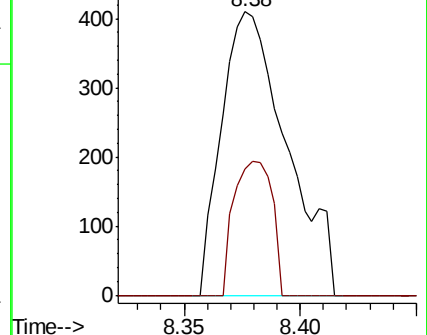
43 100

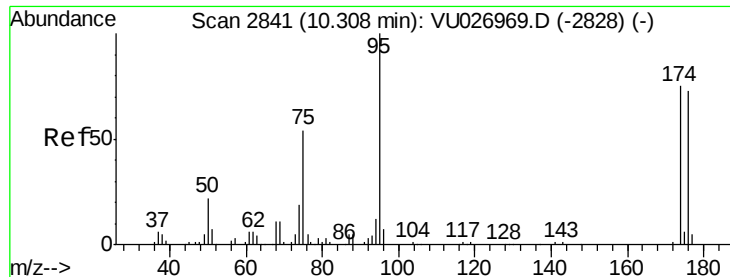
58 27.6 26.1 78.2



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-2222) (-)

Ion 58.00 (57.70 to 58.70): VU026969.D (-2222) (-)

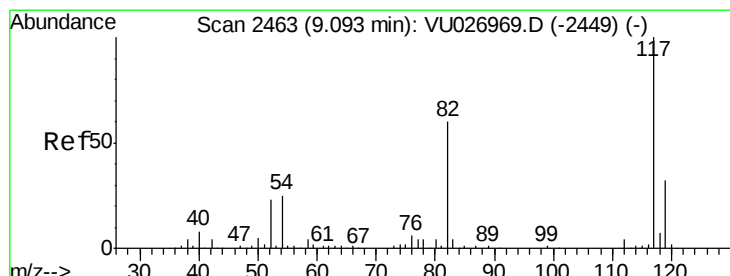
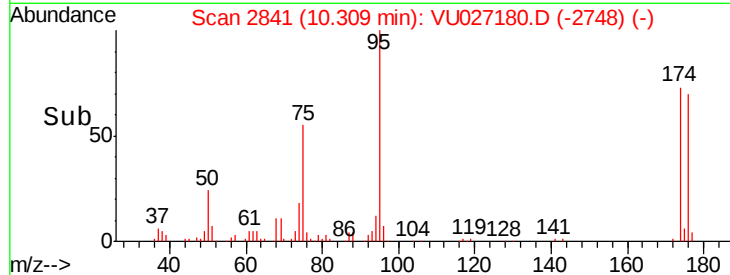
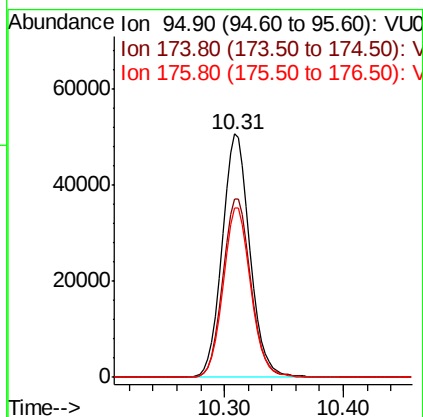
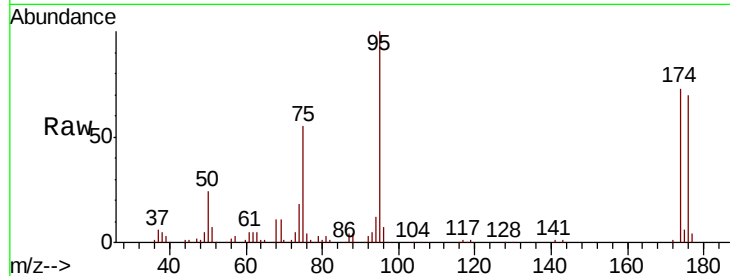




#62
 4-Bromofluorobenzene
 Concen: 46.648 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

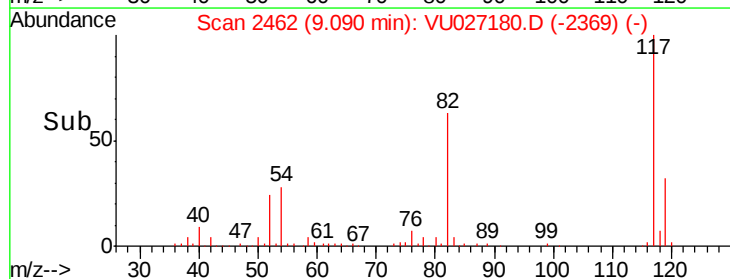
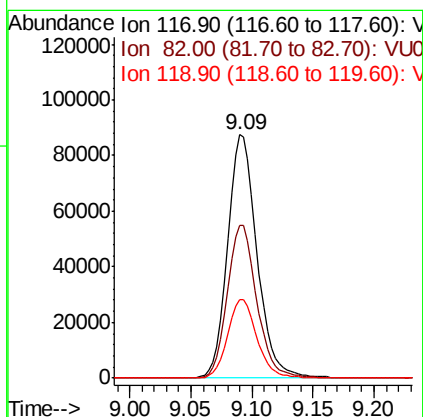
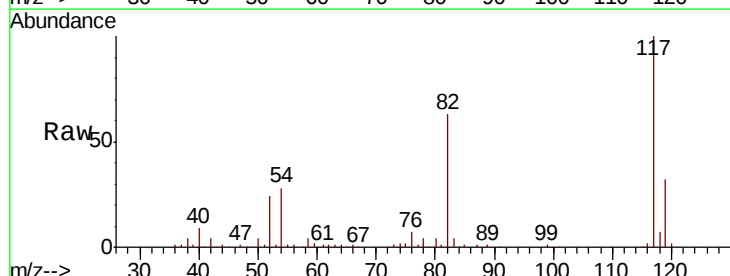
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-40-SEP18

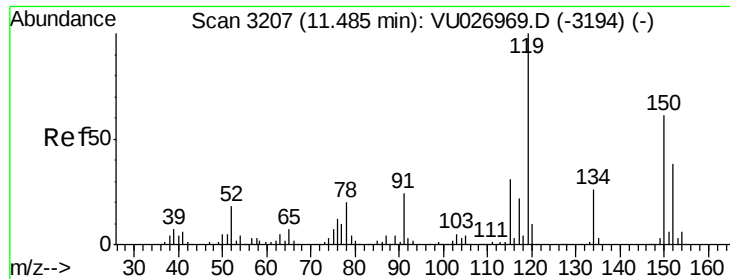
Tgt Ion: 95 Resp: 81645
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 150.2
 176 69.6 0.0 145.2



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VU027180.D
 Acq: 26 Sep 2018 16:13

Tgt Ion: 117 Resp: 147982
 Ion Ratio Lower Upper
 117 100
 82 62.8 48.0 72.0
 119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027180.D

Acq: 26 Sep 2018 16:13

Instrument :

MSVOA_U

ClientSampleId :

MW-40-SEP18

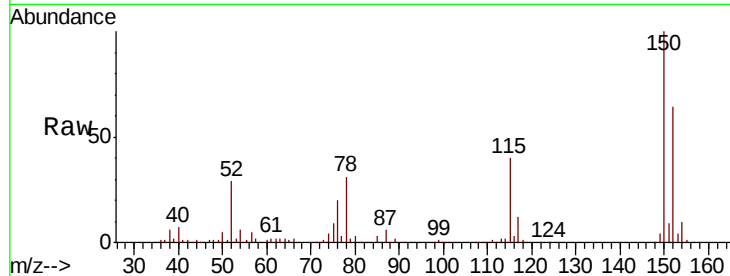
Tgt Ion:152 Resp: 69745

Ion Ratio Lower Upper

152 100

115 62.5 44.9 134.5

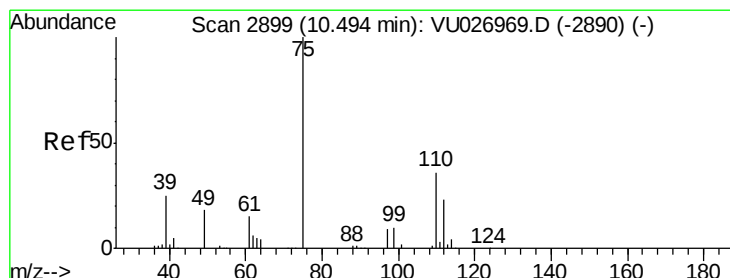
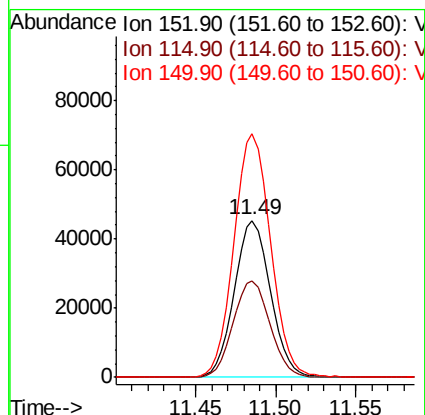
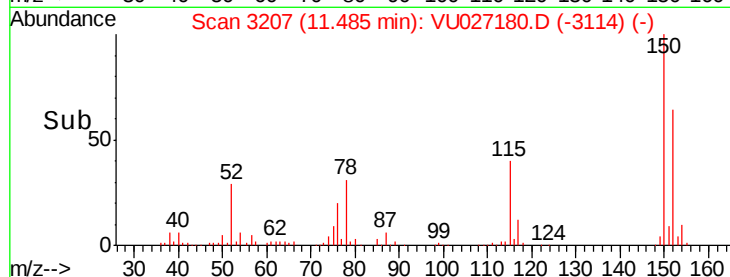
150 157.6 0.0 355.8



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: 21.060 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027180.D

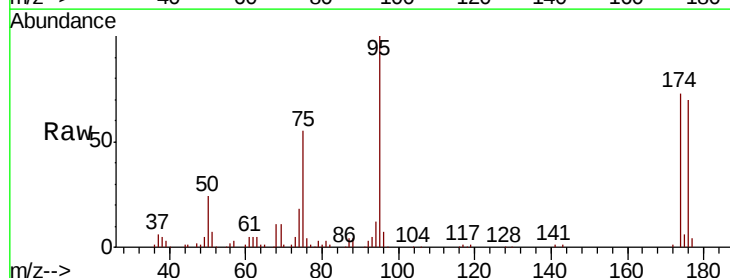
Acq: 26 Sep 2018 16:13

Tgt Ion: 75 Resp: 44623

Ion Ratio Lower Upper

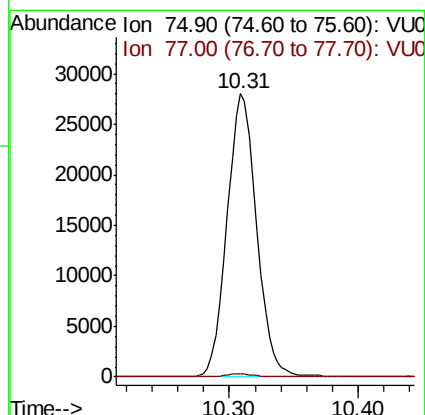
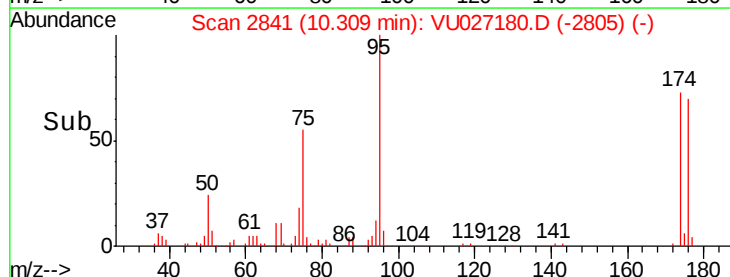
75 100

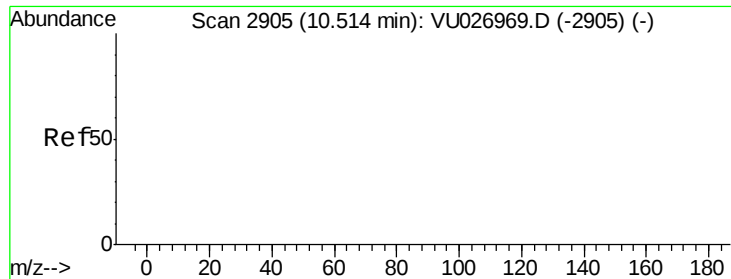
77 1.0 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

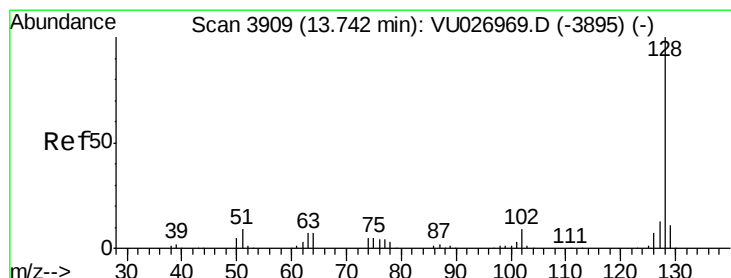
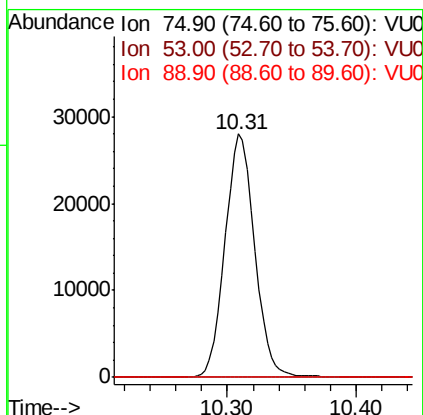
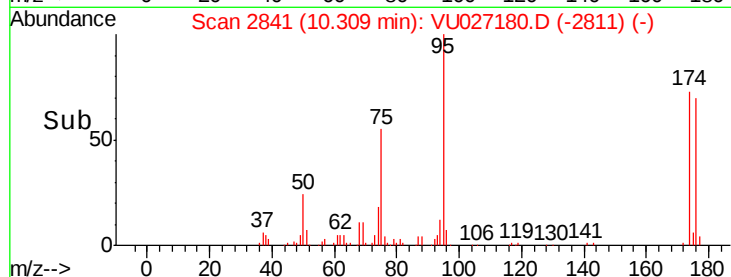
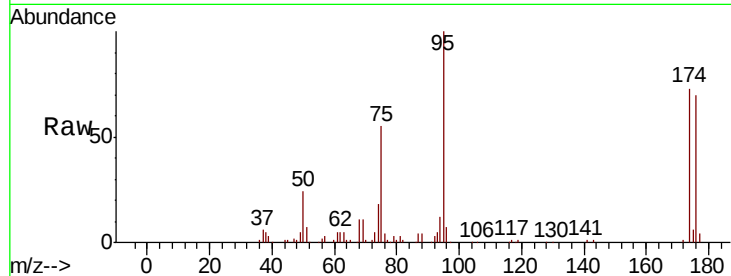




#81
trans-1,4-Dichloro-2-butene
Concen: 67.396 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027180.D
Acq: 26 Sep 2018 16:13

Instrument :
MSVOA_U
ClientSampleId :
MW-40-SEP18

Tgt Ion: 75 Resp: 44623
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.722 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027180.D
Acq: 26 Sep 2018 16:13

Tgt Ion: 128 Resp: 196
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

