

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
 Data File : VU027175.D
 Acq On : 26 Sep 2018 14:17
 Operator : MD/SY
 Sample : J5049-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18

Quant Time: Sep 27 01:06:39 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

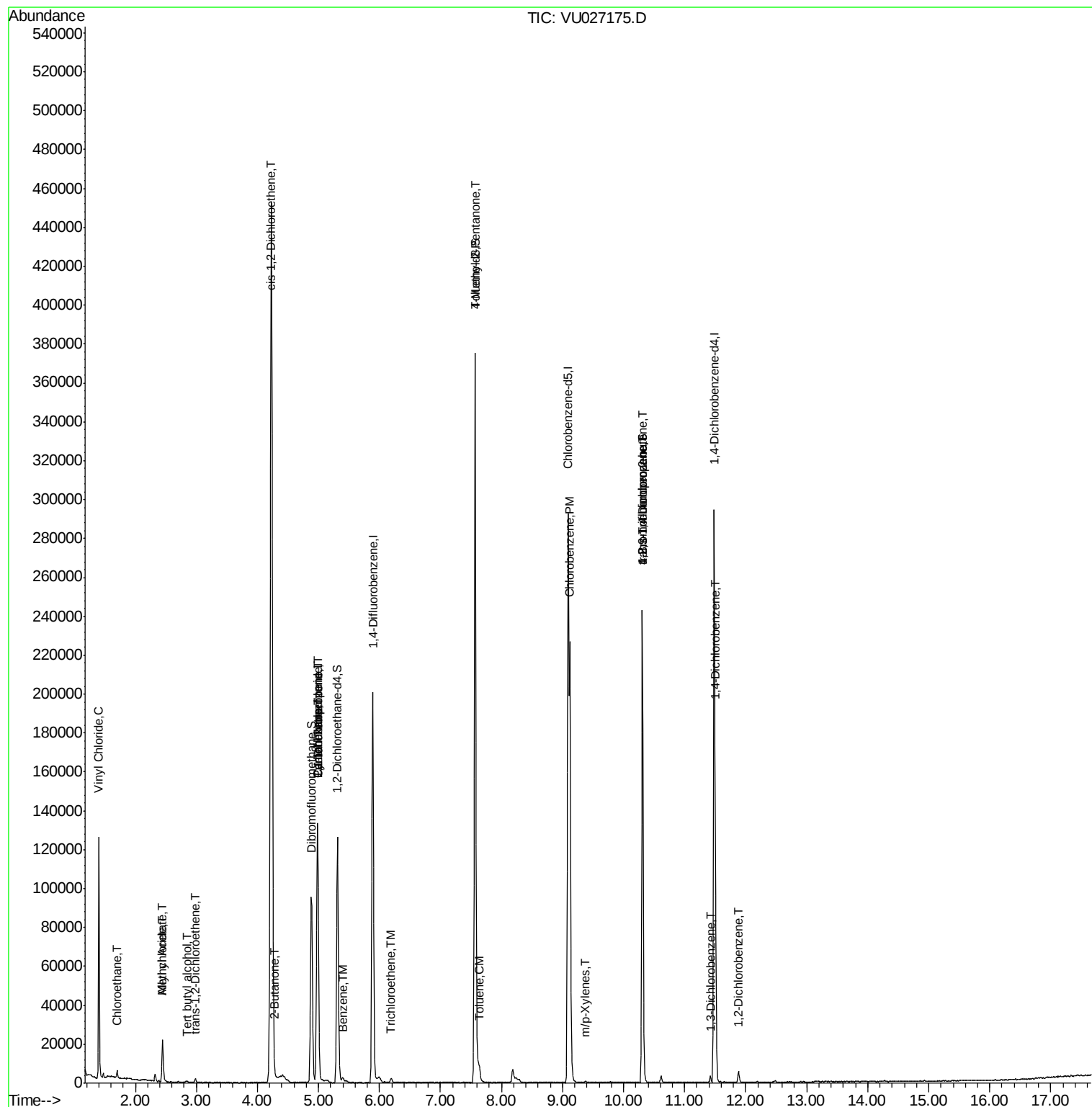
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	92487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	154167	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	146537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68770	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	97275	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	4.88	113	65621	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	7.57	98	245171	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
62) 4-Bromofluorobenzene	10.31	95	80134	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	77995	40.134	ug/l	100
6) Chloroethane	1.70	64	2502	2.015	ug/l	99
11) Tert butyl alcohol	2.84	59	659	1.545	ug/l #	72
14) Allyl chloride	2.45	41	2317	0.894	ug/l #	74
16) Acetone	2.32	43	4378	Below	Cal	95
18) Methyl Acetate	2.44	43	5700	2.151	ug/l #	55
21) trans-1,2-Dichloroethene	2.98	96	734	0.538	ug/l	92
25) 2-Butanone	4.29	43	439	0.281	ug/l #	53
27) cis-1,2-Dichloroethene	4.23	96	231627	150.388	ug/l	92
31) Cyclohexane	4.98	56	2400	0.293	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8887	4.319	ug/l #	50
38) Carbon Tetrachloride	4.99	117	10024	5.119	ug/l #	18
40) Benzene	5.40	78	2051	0.328	ug/l	97
44) Trichloroethene	6.19	130	943	0.708	ug/l	92
51) 4-Methyl-2-Pentanone	7.57	43	1202	0.440	ug/l #	1
52) Toluene	7.64	92	1357	0.378	ug/l #	72
65) Chlorobenzene	9.12	112	103576	26.657	ug/l	98
68) m/p-Xylenes	9.38	106	221	1.585	ug/l #	55
76) 1,2,3-Trichloropropane	10.31	75	43584	20.861	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	43584	66.760	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	1507	0.633	ug/l	95
88) 1,4-Dichlorobenzene	11.51	146	23190	8.944	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	2537	1.004	ug/l	96

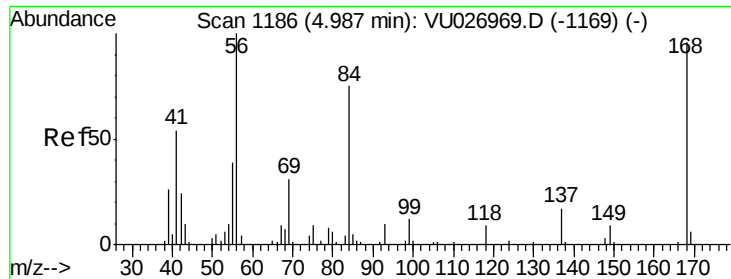
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU092618\
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Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

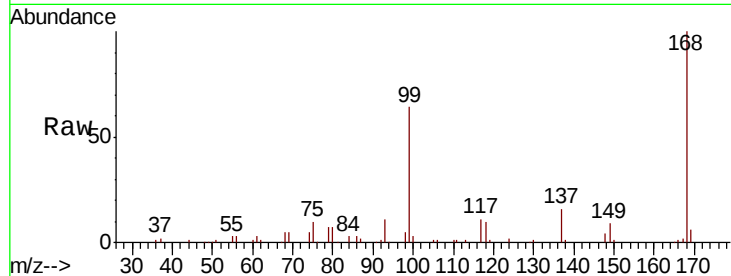
MW-95-SEP18

Tgt Ion:168 Resp: 92487

Ion Ratio Lower Upper

168 100

99 64.4 48.1 72.1

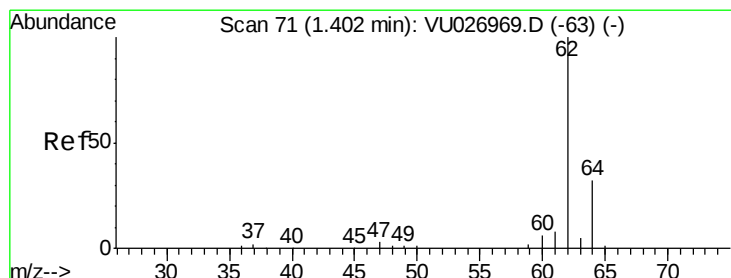
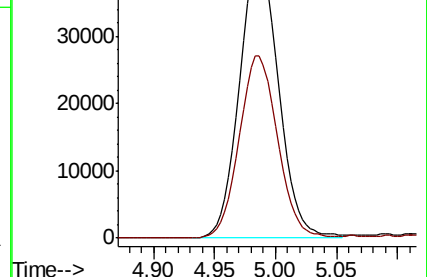
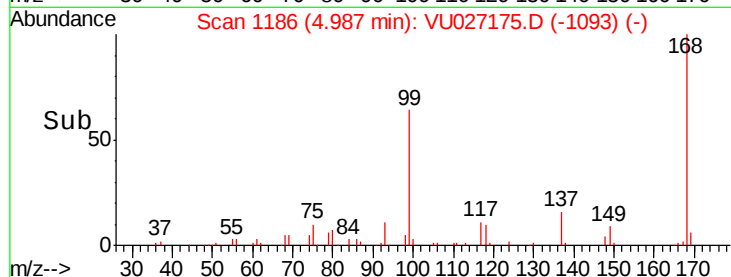


Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

Time-->



#4

Vinyl Chloride

Concen: 40.134 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027175.D

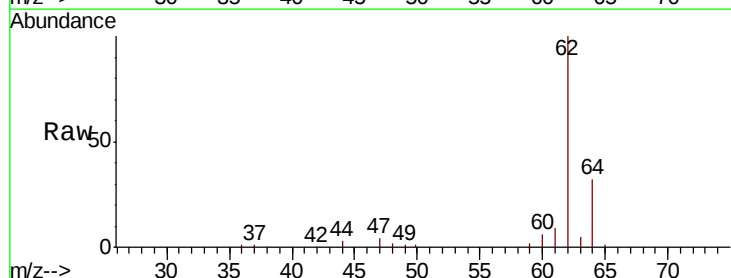
Acq: 26 Sep 2018 14:17

Tgt Ion: 62 Resp: 77995

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3

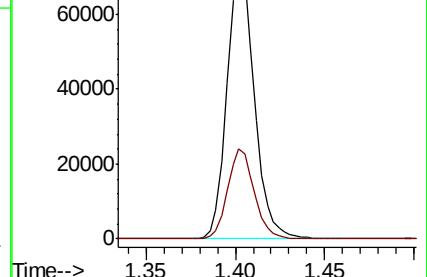
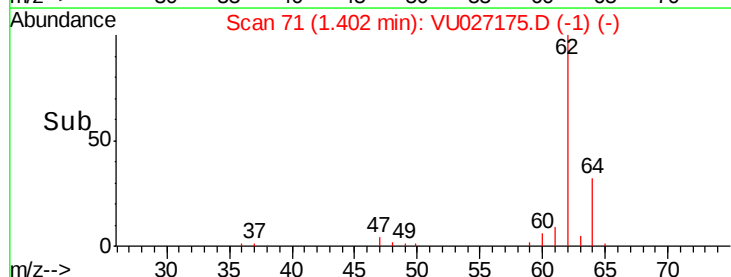


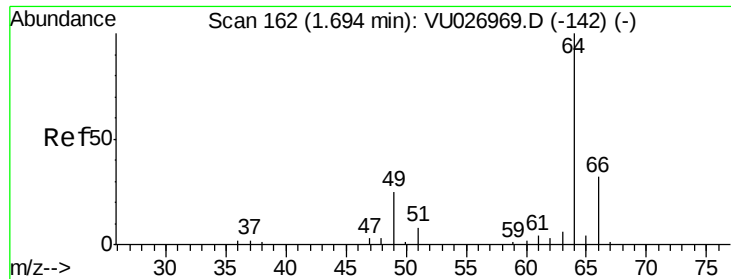
Abundance Ion 61.90 (61.60 to 62.60): VU026969.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU026969.D (-63) (-)

1.40

Time-->





#6

Chloroethane

Concen: 2.015 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

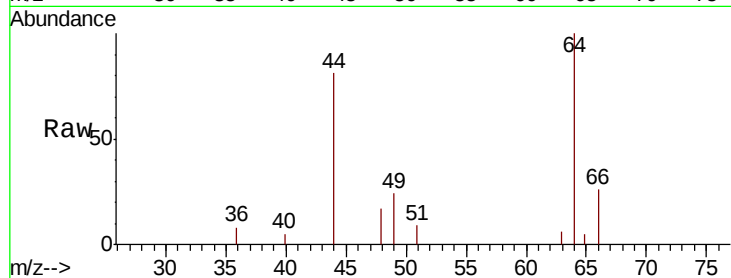
MW-95-SEP18

Tgt Ion: 64 Resp: 2502

Ion Ratio Lower Upper

64 100

66 31.1 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) (-)

1.70

2500

2000

1500

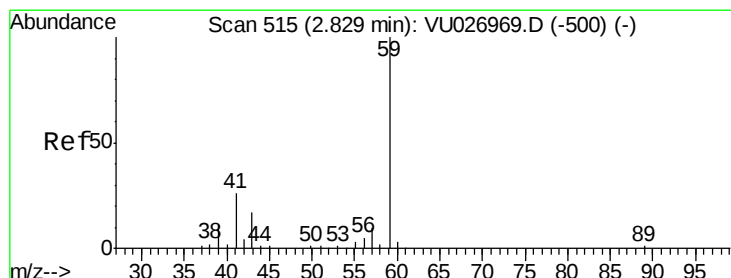
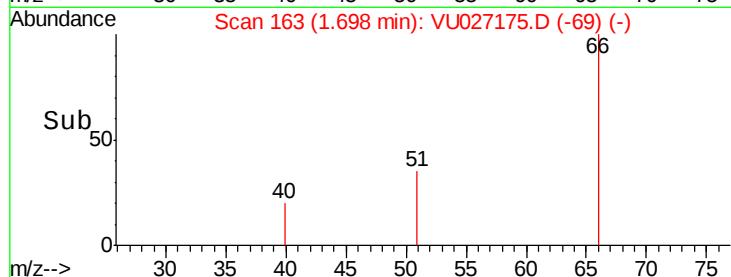
1000

500

0

Time-->

1.65 1.70 1.75



#11

Tert butyl alcohol

Concen: 1.545 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027175.D

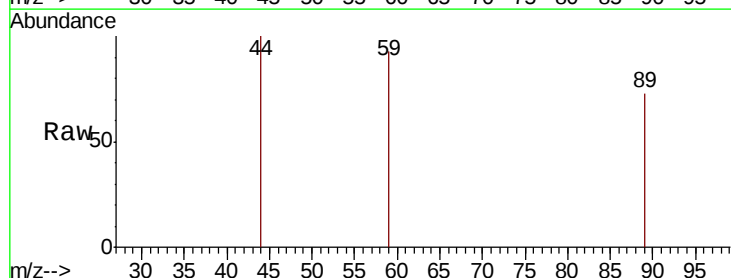
Acq: 26 Sep 2018 14:17

Tgt Ion: 59 Resp: 659

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU026969.D (-500) (-)

Ion 57.00 (56.70 to 57.70): VU026969.D (-500) (-)

2.84

400

300

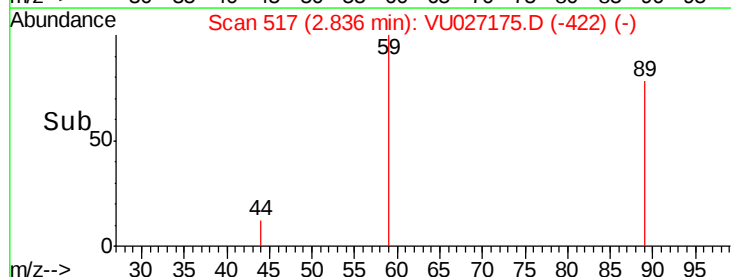
200

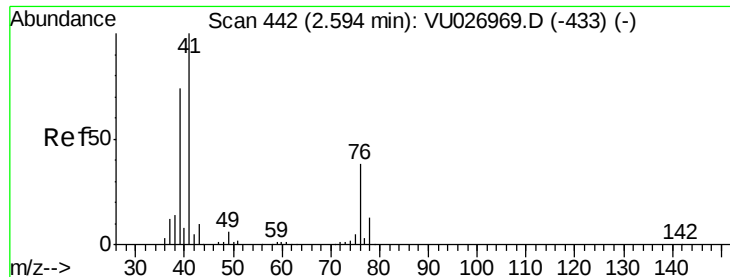
100

0

Time-->

2.80 2.85

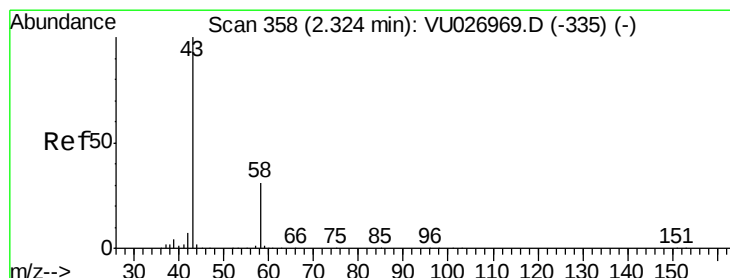
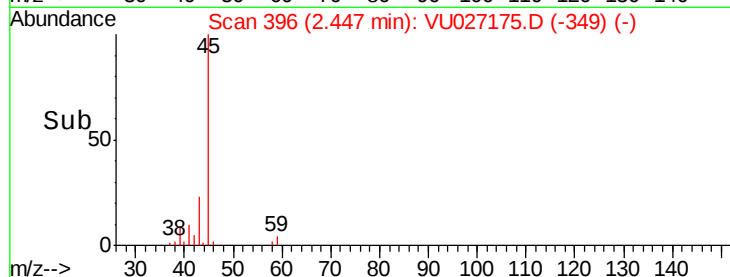
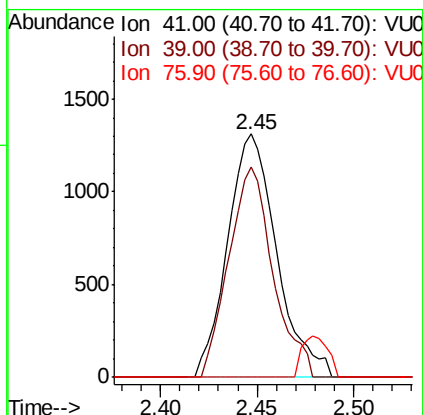
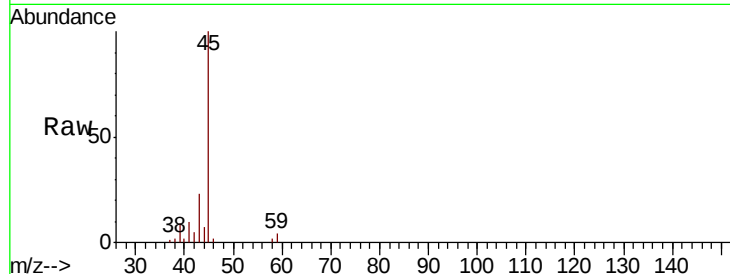




#14
 Allyl chloride
 Concen: 0.894 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.15 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

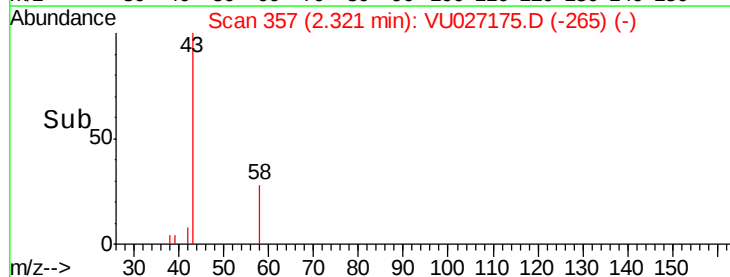
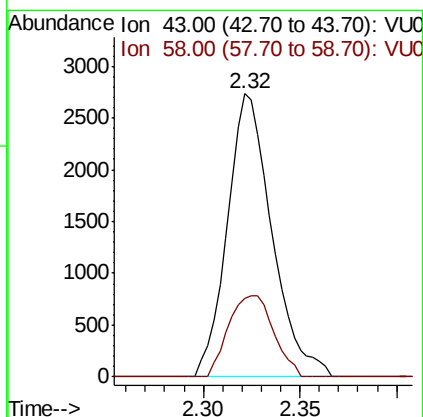
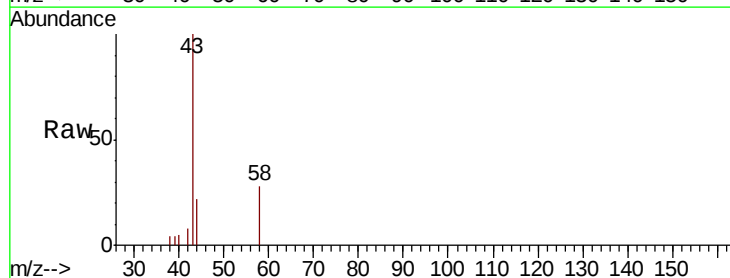
Instrument :
 MSVOA_U
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 MW-95-SEP18

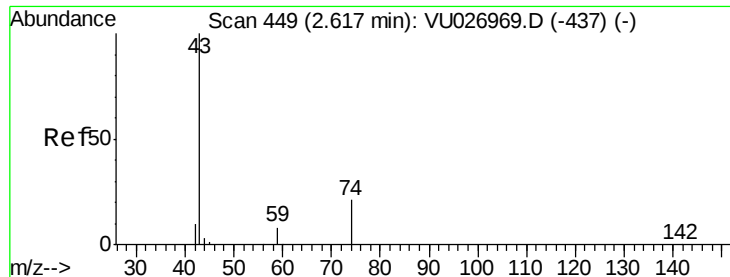
Tgt Ion: 41 Resp: 2317
 Ion Ratio Lower Upper
 41 100
 39 77.7 55.7 83.5
 76 0.0 26.5 39.7#



#16
 Acetone
 Concen: Below Cal
 RT: 2.32 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

Tgt Ion: 43 Resp: 4378
 Ion Ratio Lower Upper
 43 100
 58 27.7 24.6 36.8

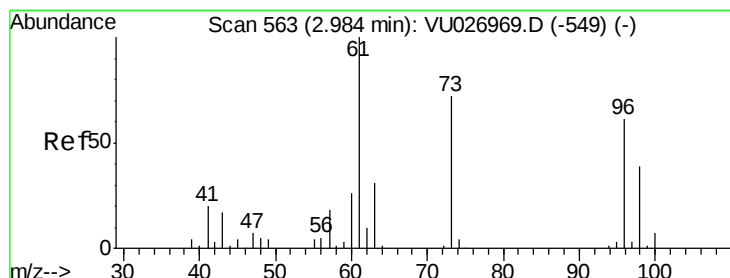
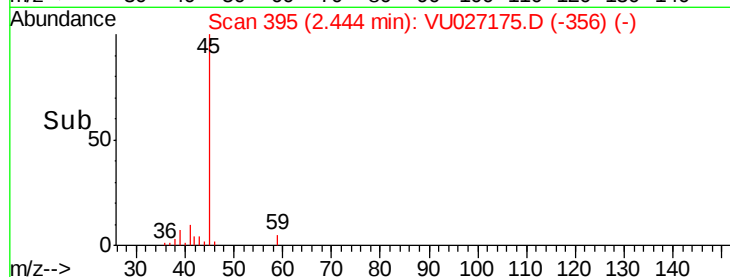
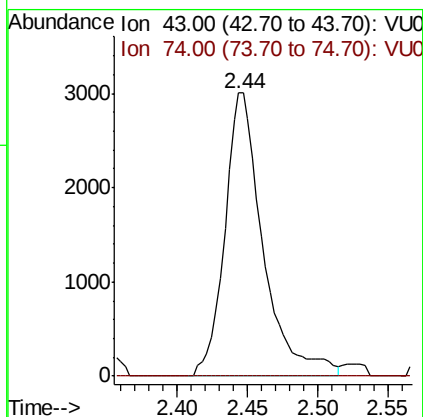
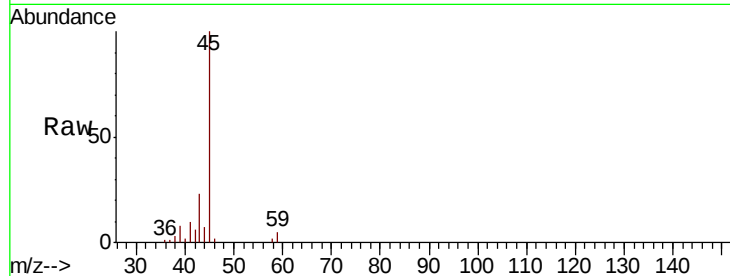




#18
Methyl Acetate
Concen: 2.151 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

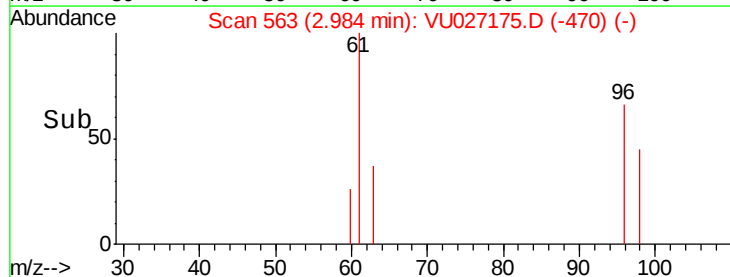
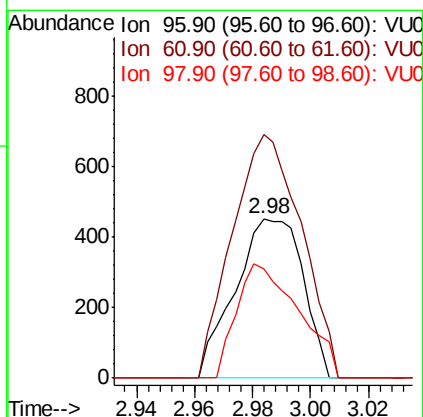
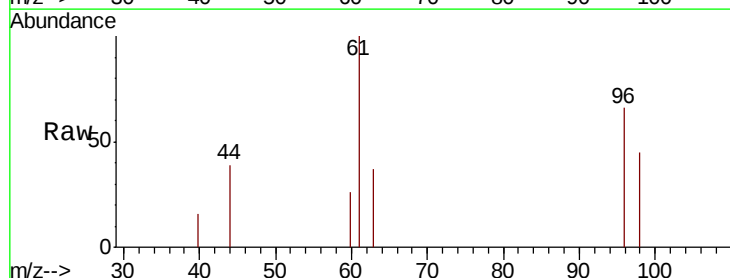
Instrument :
MSVOA_U
ClientSampleId :
MW-95-SEP18

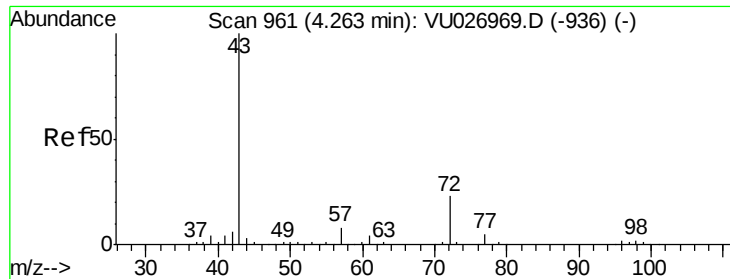
Tgt Ion: 43 Resp: 5700
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#21
trans-1,2-Dichloroethene
Concen: 0.538 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

Tgt Ion: 96 Resp: 734
Ion Ratio Lower Upper
96 100
61 152.5 131.8 197.6
98 68.7 50.9 76.3





#25

2-Butanone

Concen: 0.281 ug/l

RT: 4.29 min Scan# 969

Delta R.T. 0.03 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

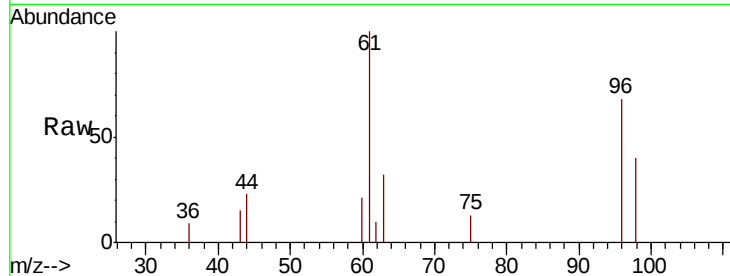
MW-95-SEP18

Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

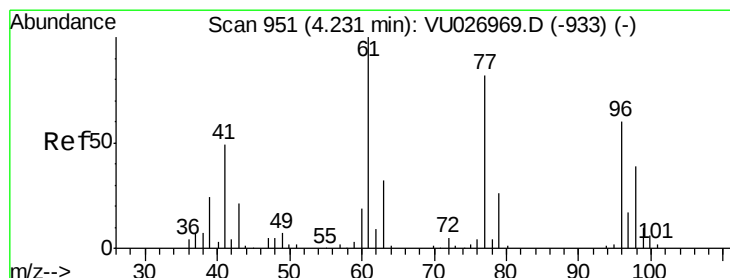
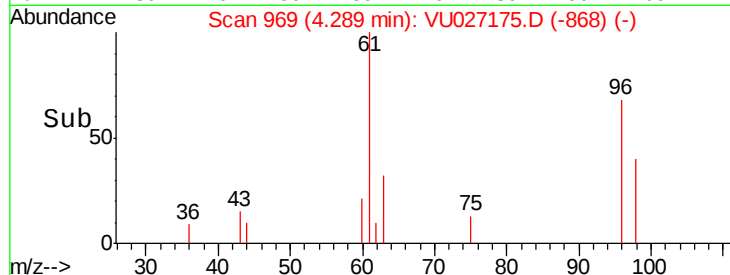
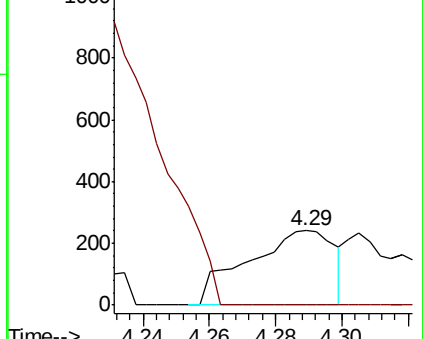
43 100

72 0.0 18.4 27.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 150.388 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

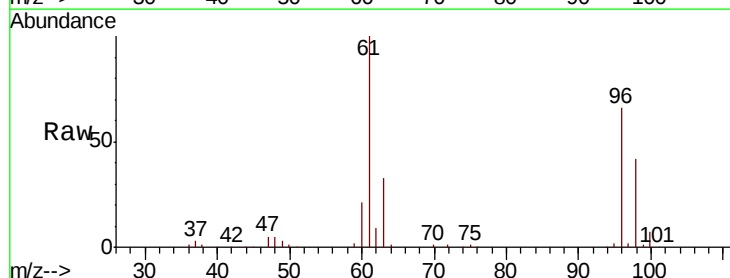
Tgt Ion: 96 Resp: 231627

Ion Ratio Lower Upper

96 100

61 153.0 0.0 337.2

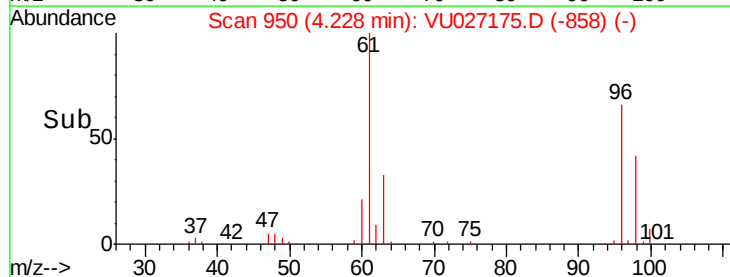
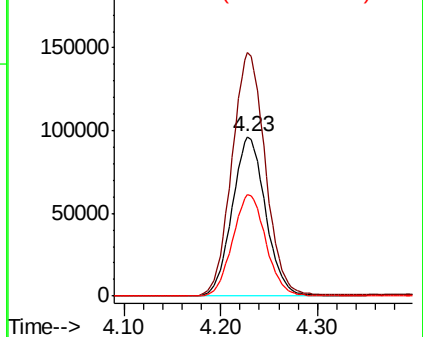
98 63.5 0.0 127.6

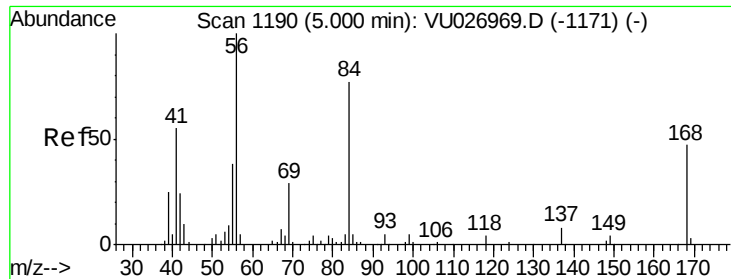


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

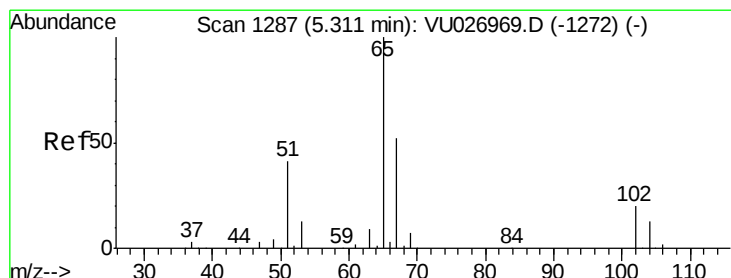
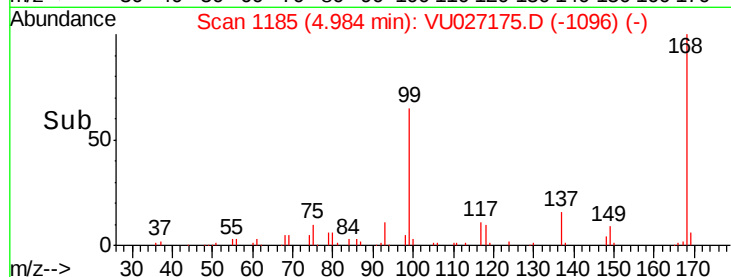
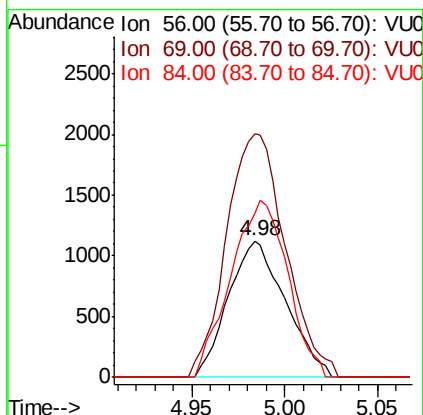
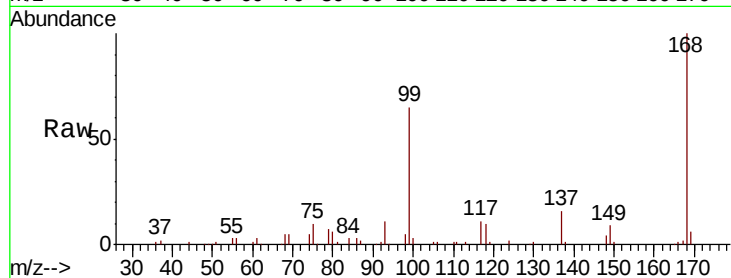




#31
Cyclohexane
Concen: 0.293 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

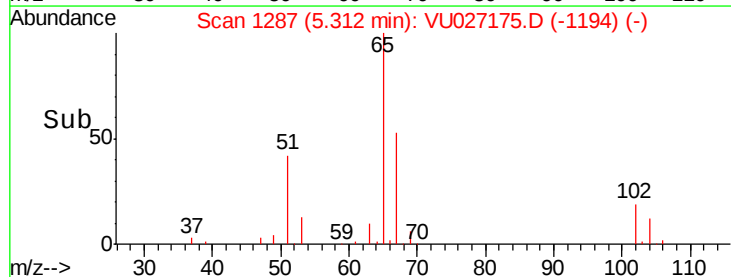
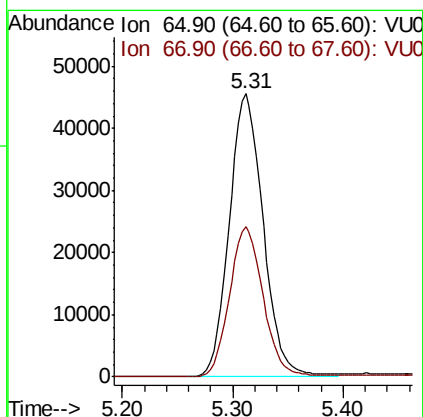
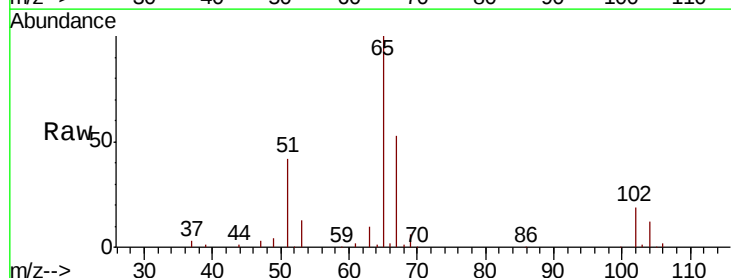
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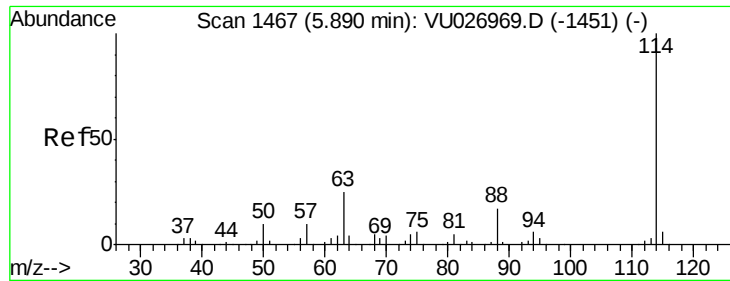
Tgt Ion: 56 Resp: 2400
Ion Ratio Lower Upper
56 100
69 178.3 23.0 34.4#
84 120.4 61.4 92.2#



#33
1,2-Dichloroethane-d4
Concen: 52.258 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

Tgt Ion: 65 Resp: 97275
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.6

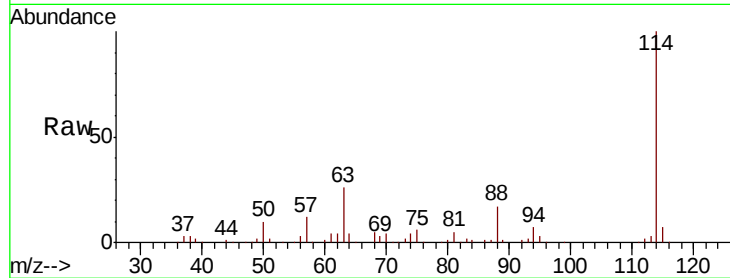




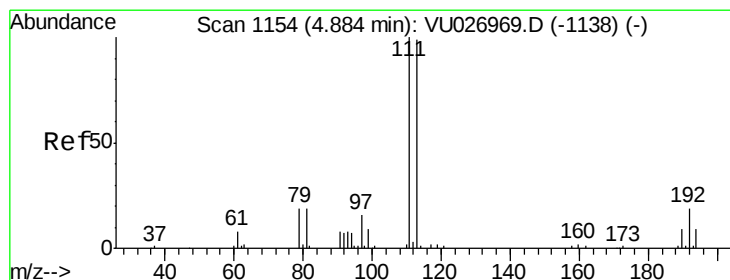
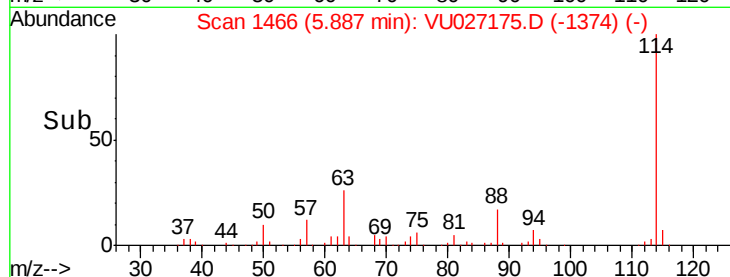
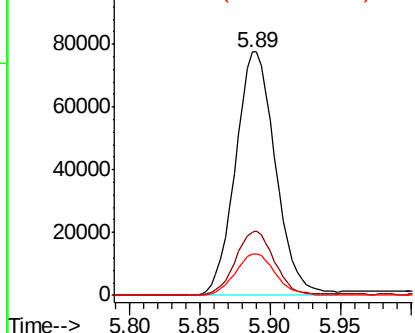
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18

Tgt Ion:114 Resp: 154167
 Ion Ratio Lower Upper
 114 100
 63 26.2 0.0 49.2
 88 17.1 0.0 33.8

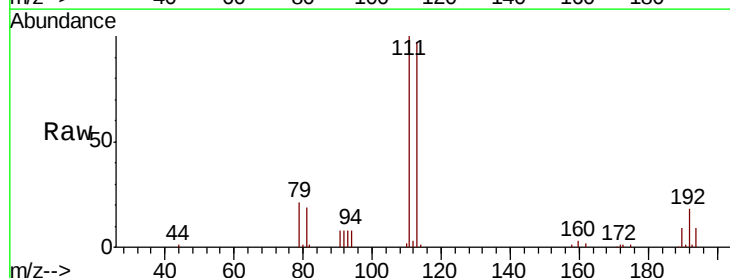


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

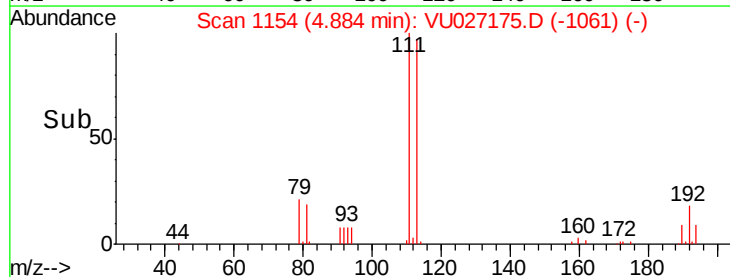
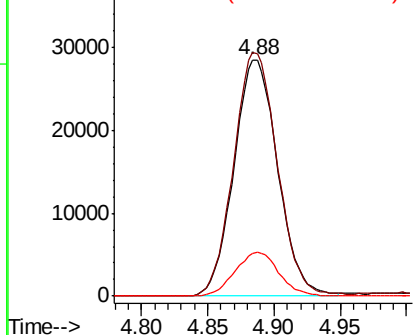


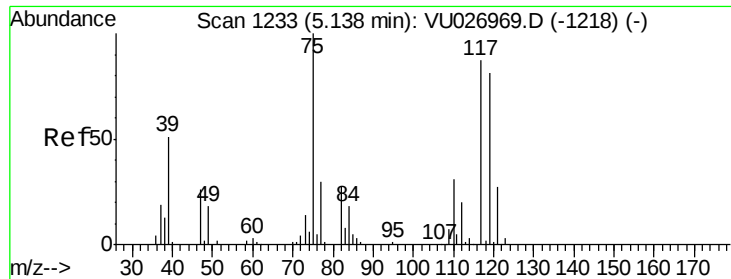
#35
 Dibromofluoromethane
 Concen: 49.106 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

Tgt Ion:113 Resp: 65621
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.2 123.4
 192 18.5 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

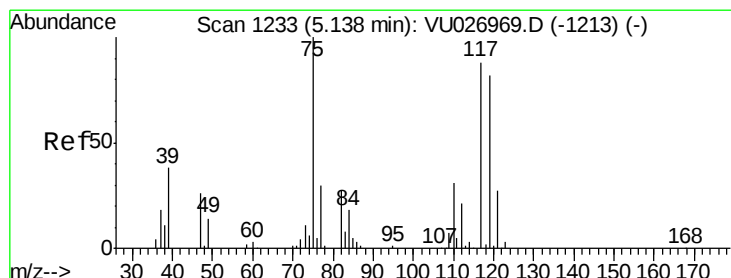
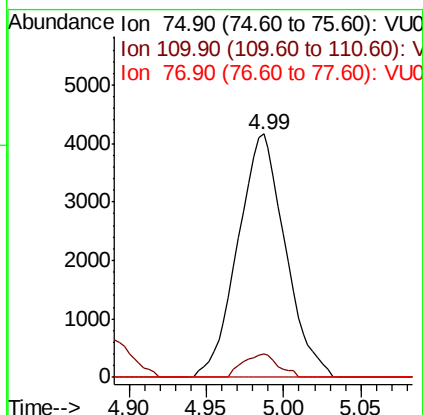
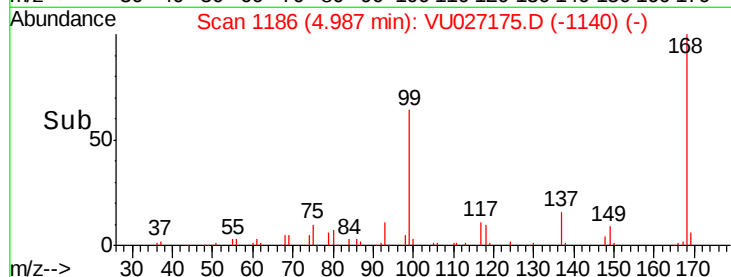
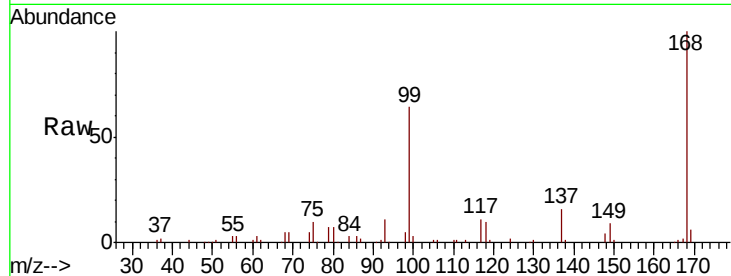




#36
 1,1-Dichloropropene
 Concen: 4.319 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

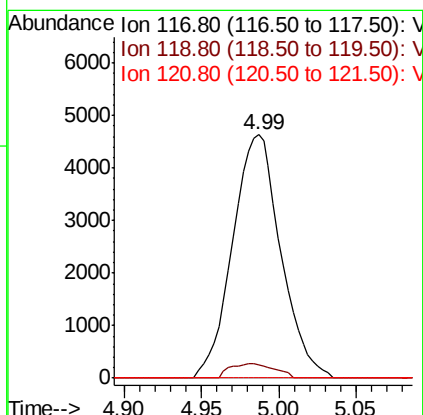
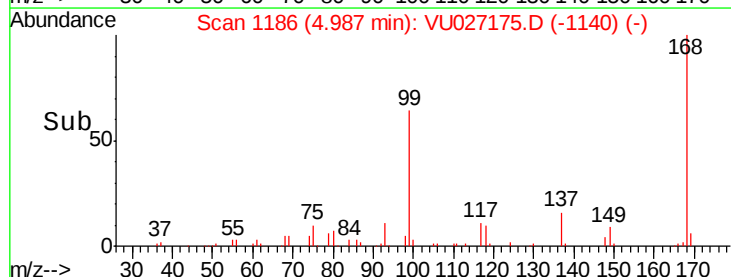
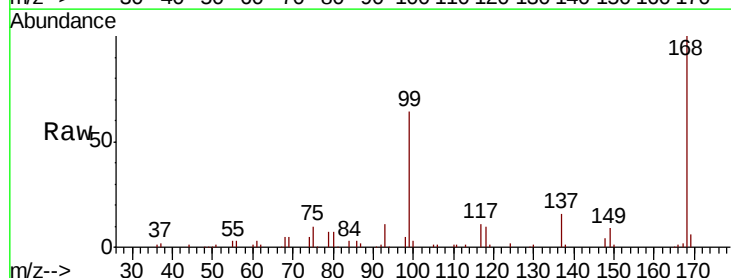
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18

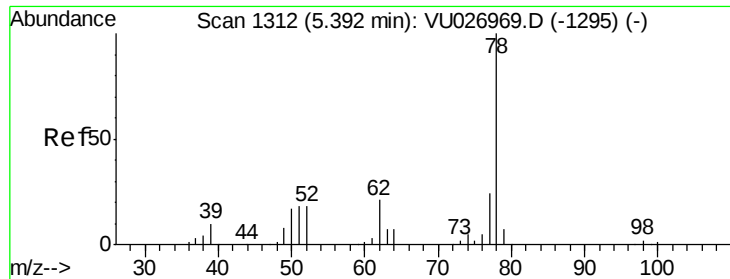
Tgt Ion: 75 Resp: 8887
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.1 48.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.119 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

Tgt Ion: 117 Resp: 10024
 Ion Ratio Lower Upper
 117 100
 119 5.6 74.4 111.6#
 121 0.0 24.2 36.4#





#40

Benzene

Concen: 0.328 ug/l

RT: 5.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

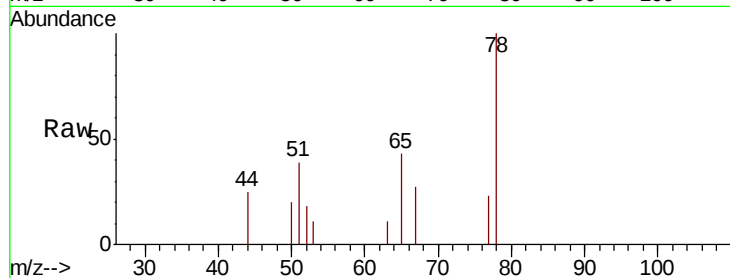
MW-95-SEP18

Tgt Ion: 78 Resp: 2051

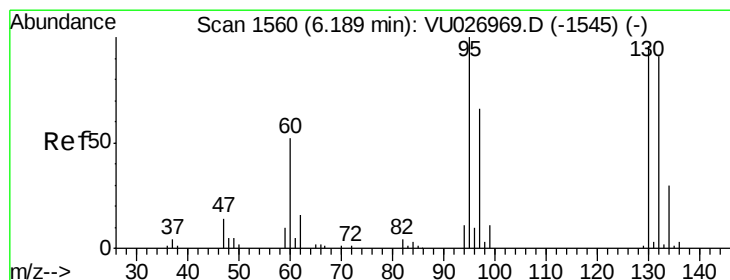
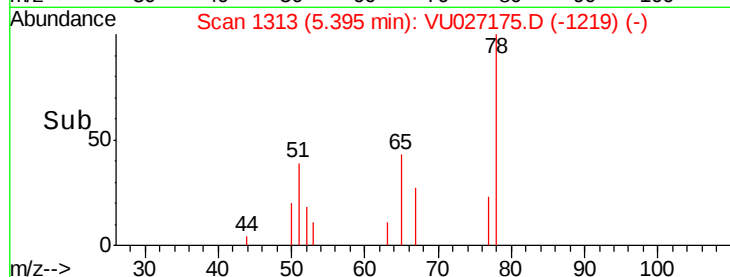
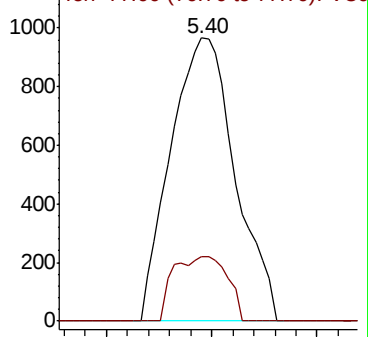
Ion Ratio Lower Upper

78 100

77 22.9 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VU026969.D (-1295) (-)



#44

Trichloroethene

Concen: 0.708 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU027175.D

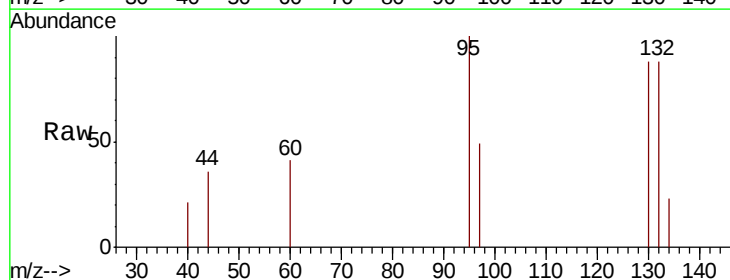
Acq: 26 Sep 2018 14:17

Tgt Ion: 130 Resp: 943

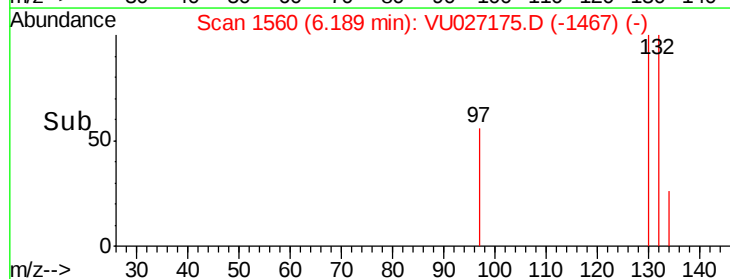
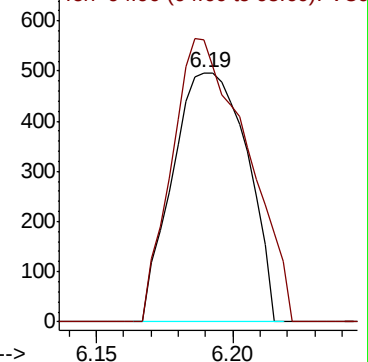
Ion Ratio Lower Upper

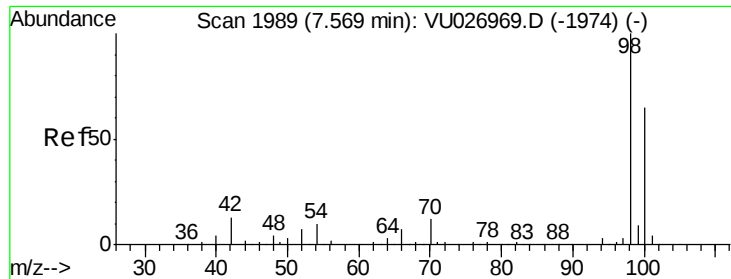
130 100

95 113.1 0.0 208.8



Abundance Ion 129.80 (129.50 to 130.50): VU026969.D (-1545) (-)

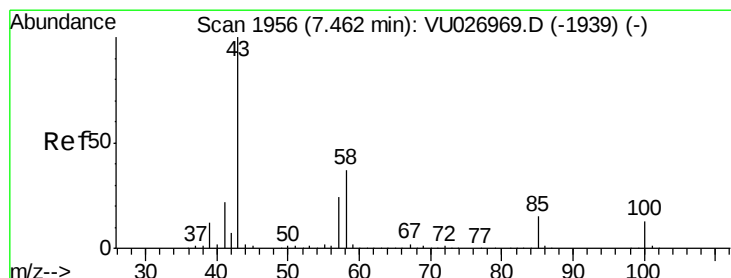
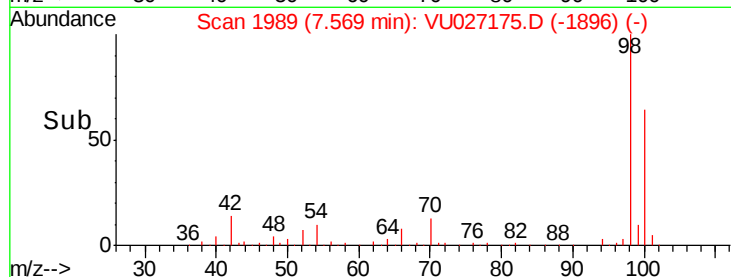
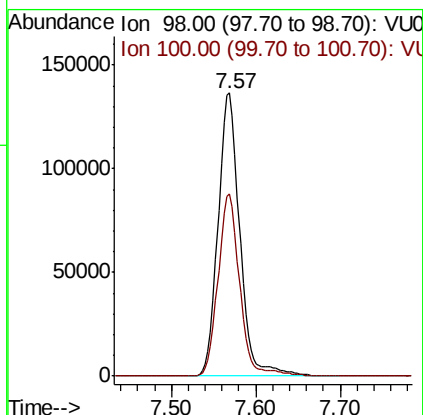
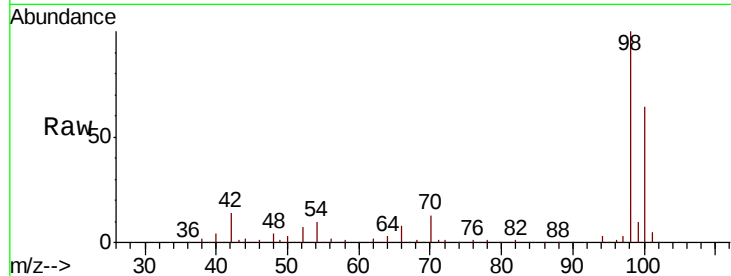




#50
Toluene-d8
Concen: 48.141 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

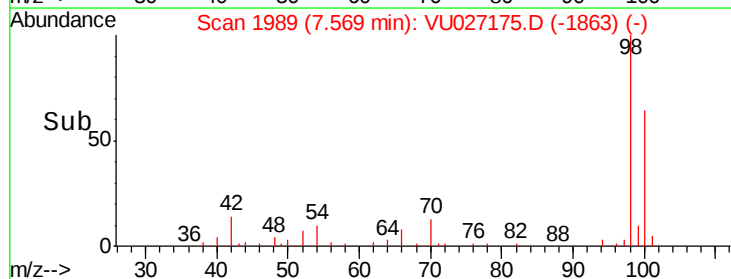
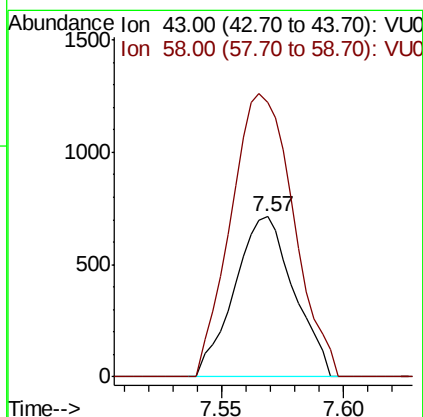
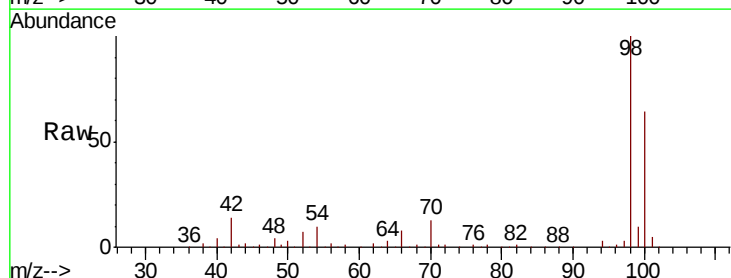
Instrument :
MSVOA_U
ClientSampleId :
MW-95-SEP18

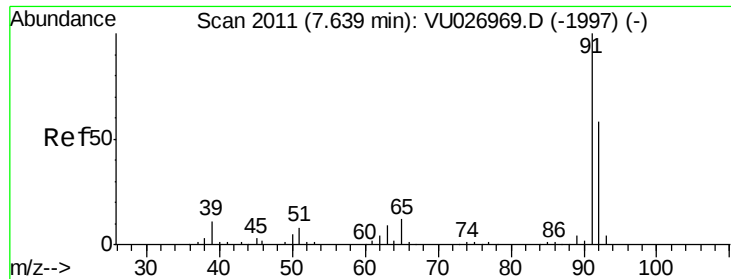
Tgt Ion: 98 Resp: 245171
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.440 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.11 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

Tgt Ion: 43 Resp: 1202
Ion Ratio Lower Upper
43 100
58 187.0 29.8 44.6#





#52

Toluene

Concen: 0.378 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

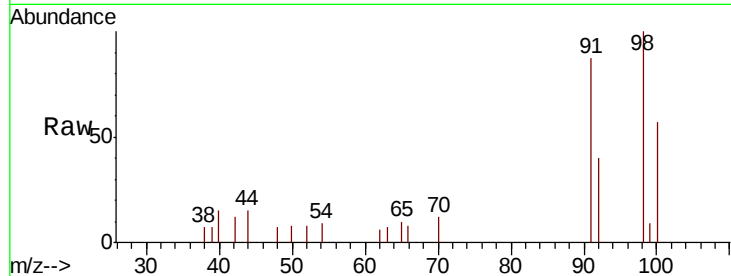
MW-95-SEP18

Tgt Ion: 92 Resp: 1357

Ion Ratio Lower Upper

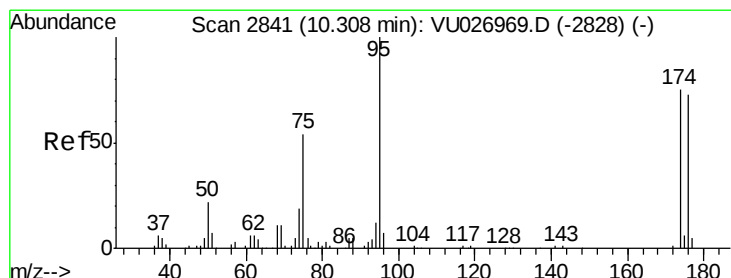
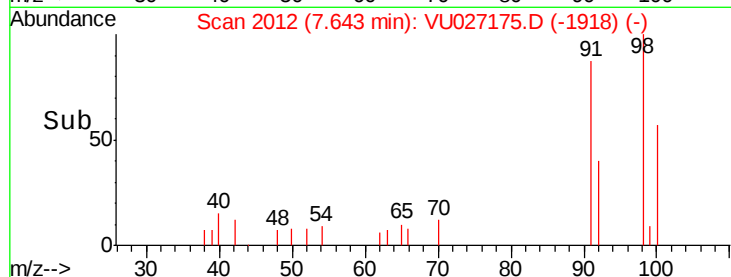
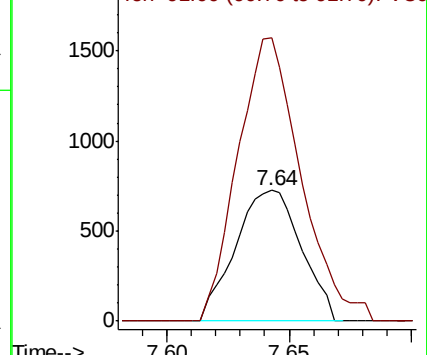
92 100

91 208.3 136.4 204.6#



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 45.857 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

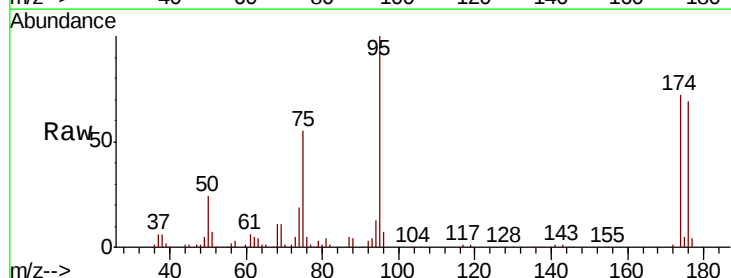
Tgt Ion: 95 Resp: 80134

Ion Ratio Lower Upper

95 100

174 73.4 0.0 150.2

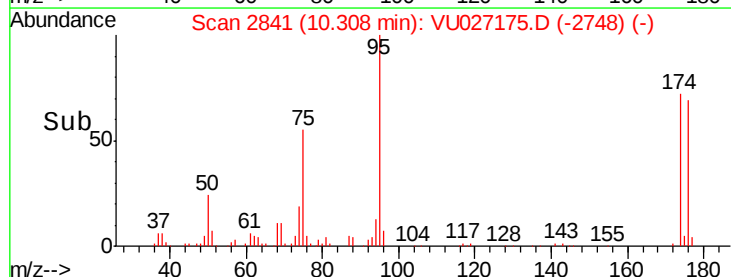
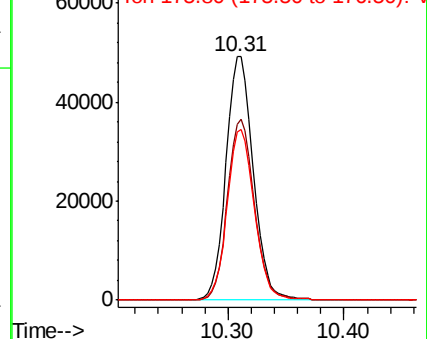
176 69.6 0.0 145.2

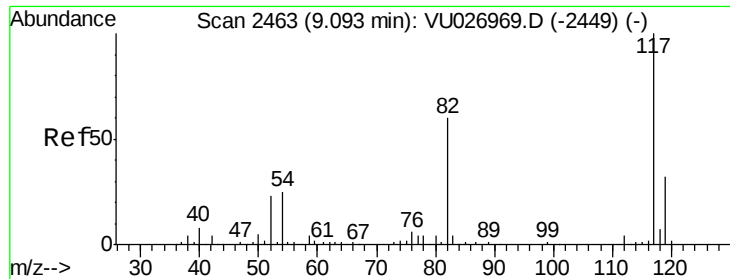


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

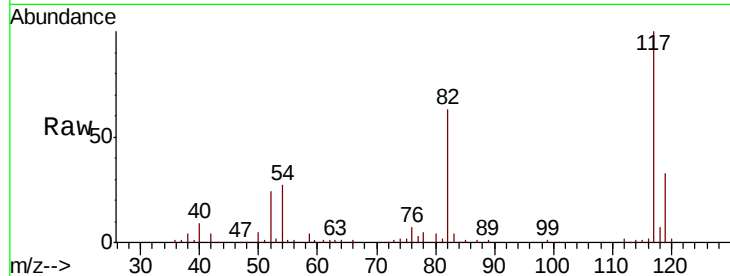




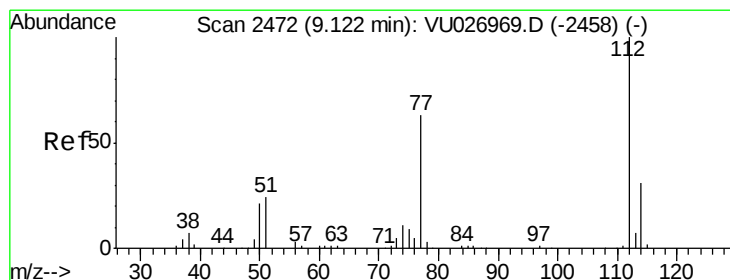
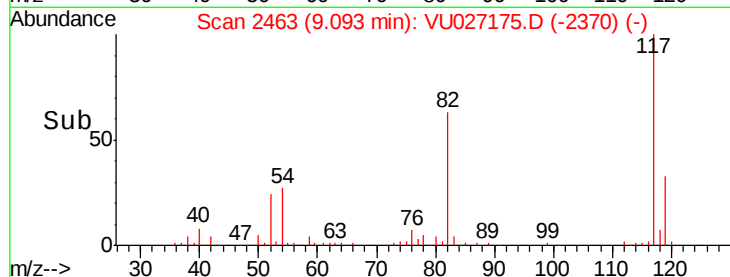
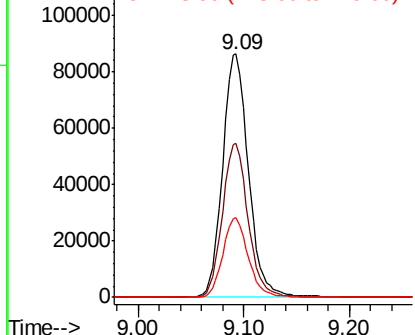
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

Instrument :
MSVOA_U
ClientSampleId :
MW-95-SEP18

Tgt Ion:117 Resp: 146537
Ion Ratio Lower Upper
117 100
82 63.3 48.0 72.0
119 32.6 25.8 38.8

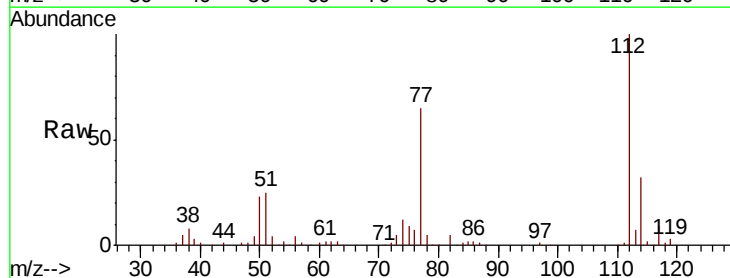


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

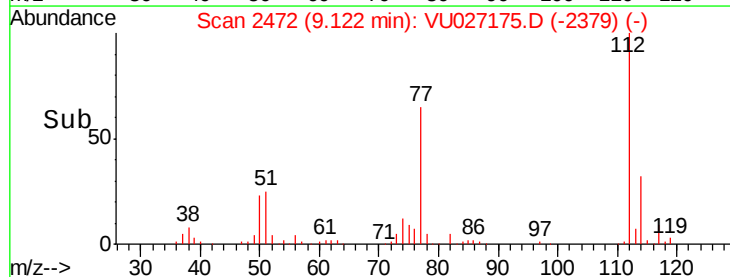
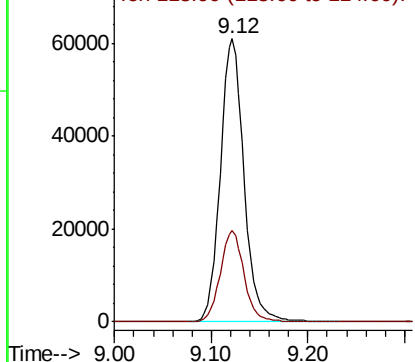


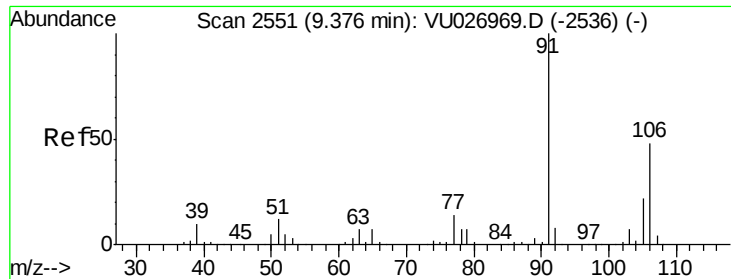
#65
Chlorobenzene
Concen: 26.657 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

Tgt Ion:112 Resp: 103576
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

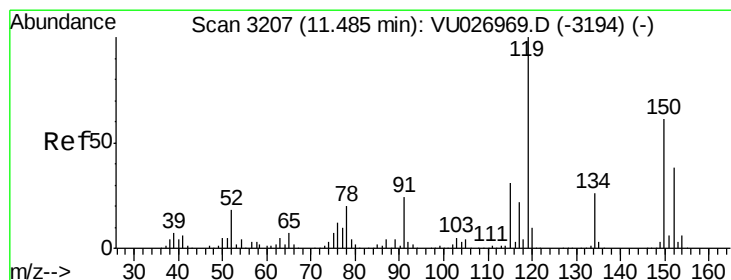
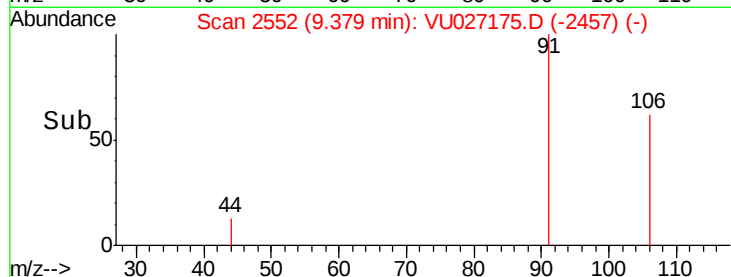
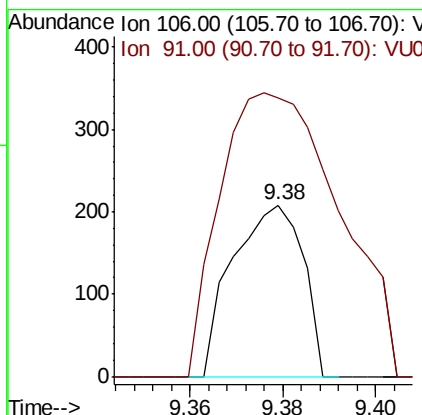
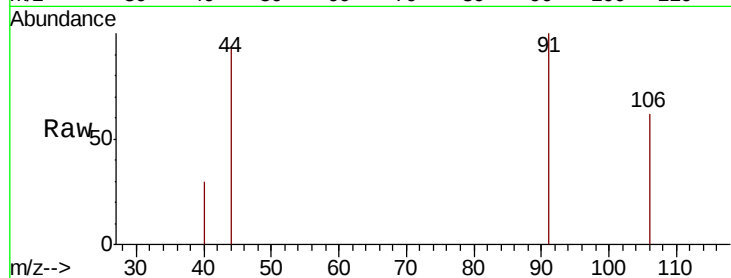




#68
m/p-Xylenes
Concen: 1.585 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

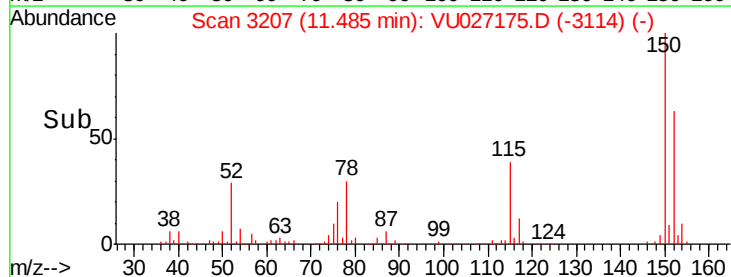
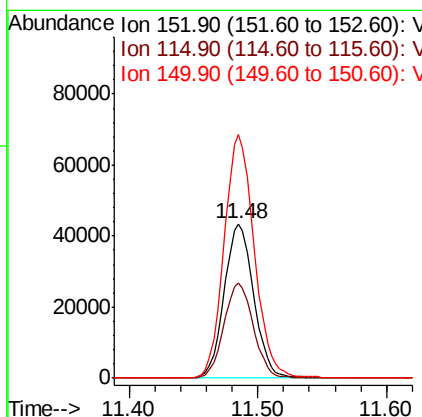
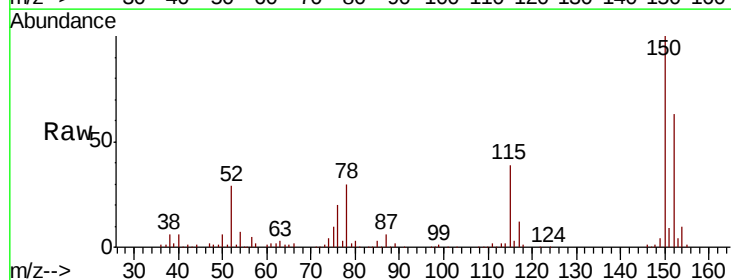
Instrument :
MSVOA_U
ClientSampleId :
MW-95-SEP18

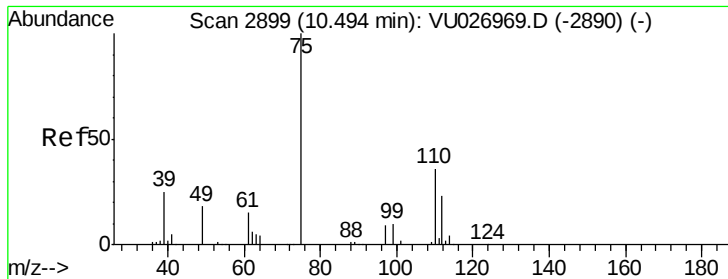
Tgt Ion:106 Resp: 221
Ion Ratio Lower Upper
106 100
91 278.3 166.5 249.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027175.D
Acq: 26 Sep 2018 14:17

Tgt Ion:152 Resp: 68770
Ion Ratio Lower Upper
152 100
115 61.7 44.9 134.5
150 161.7 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 20.861 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

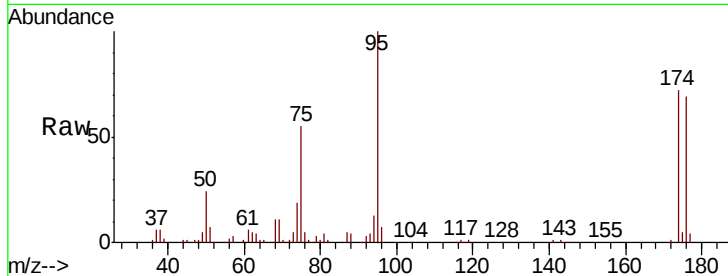
MW-95-SEP18

Tgt Ion: 75 Resp: 43584

Ion Ratio Lower Upper

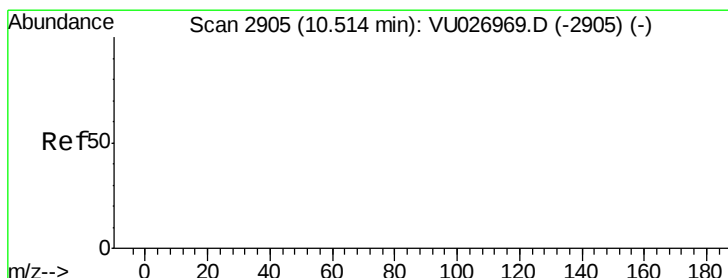
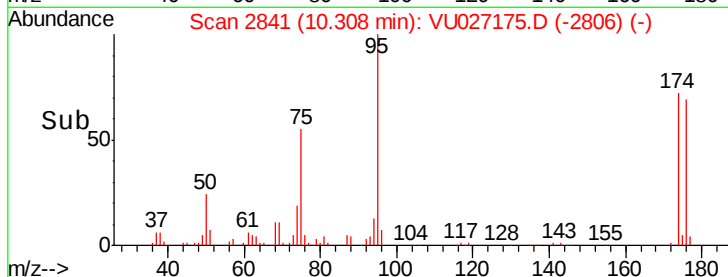
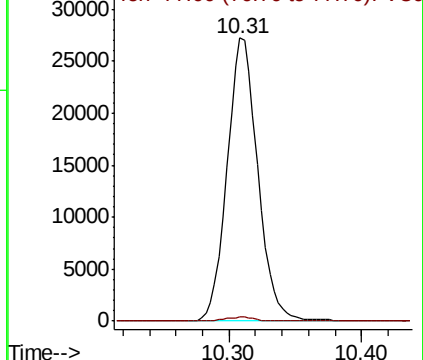
75 100

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: 66.760 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.21 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

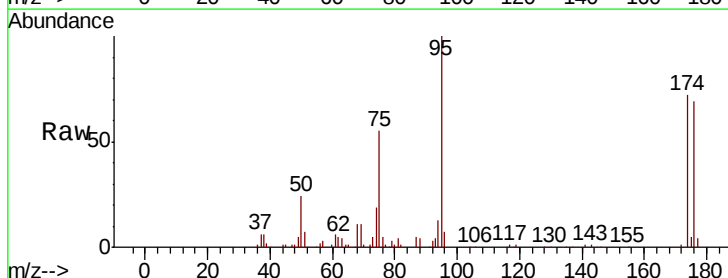
Tgt Ion: 75 Resp: 43584

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

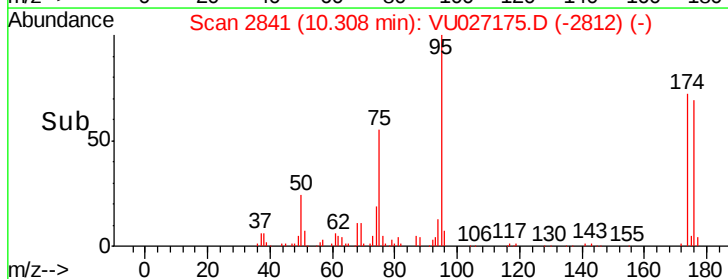
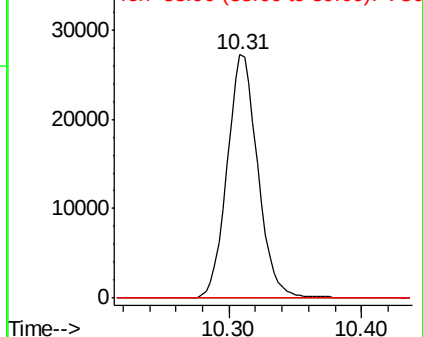
89 0.0 0.0 0.0

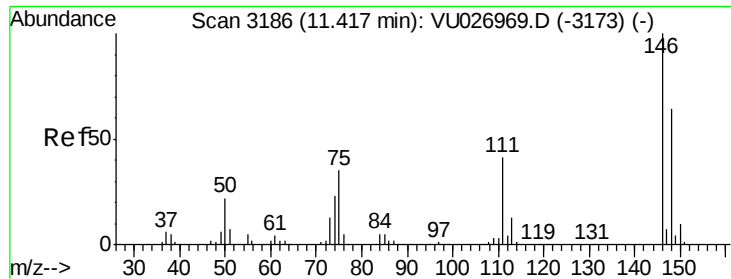


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

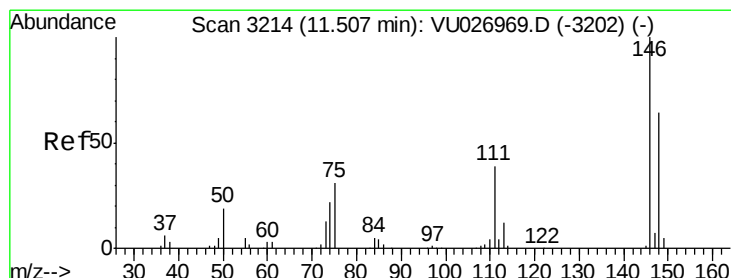
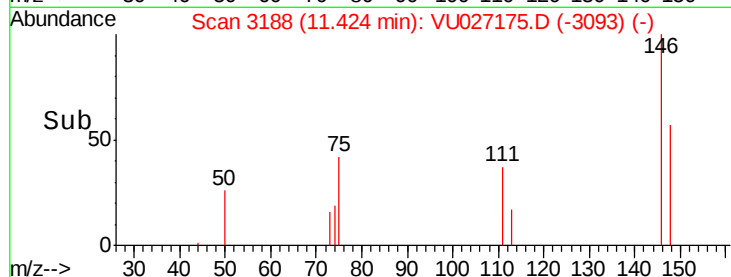
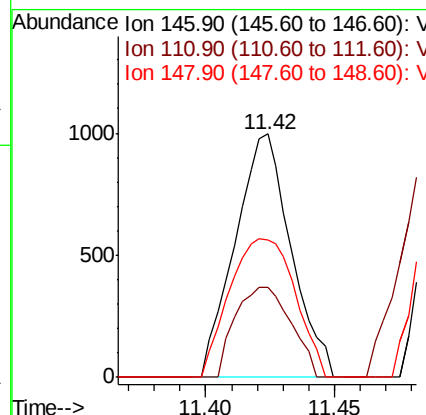
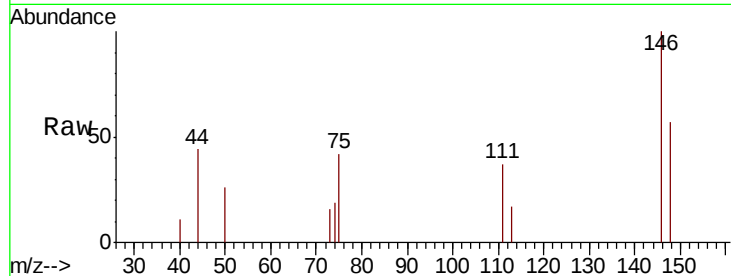




#87
 1,3-Dichlorobenzene
 Concen: 0.633 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

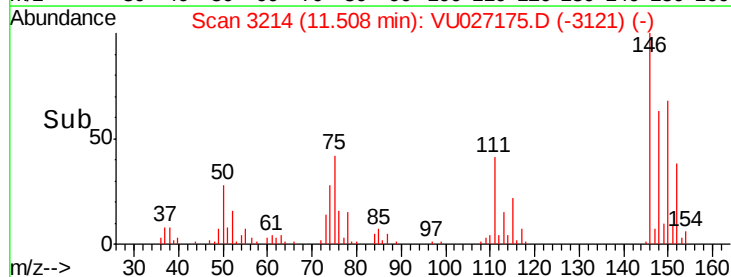
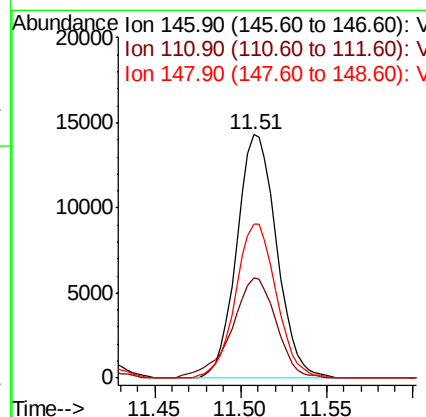
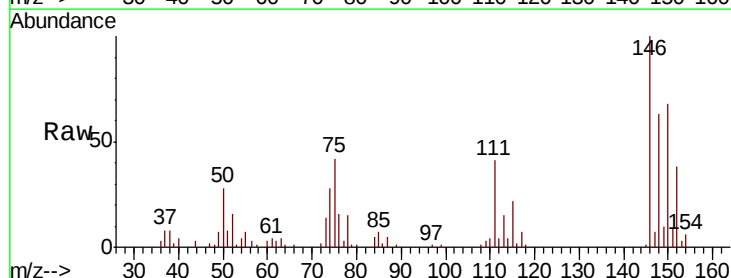
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-95-SEP18

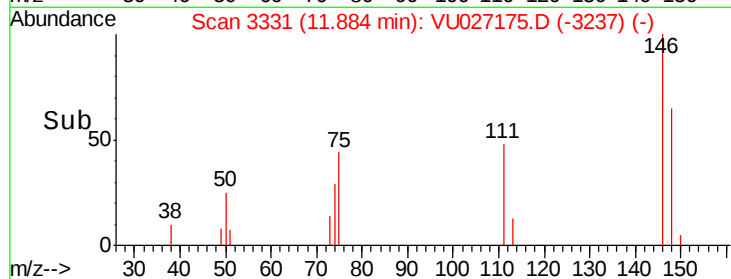
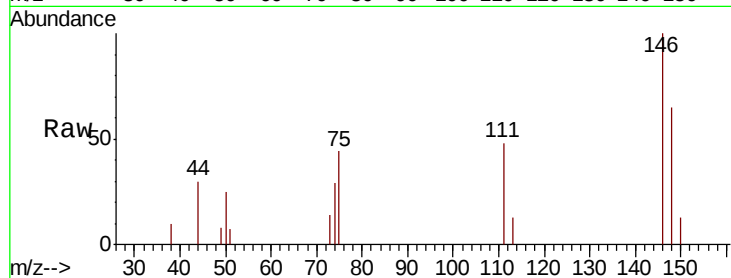
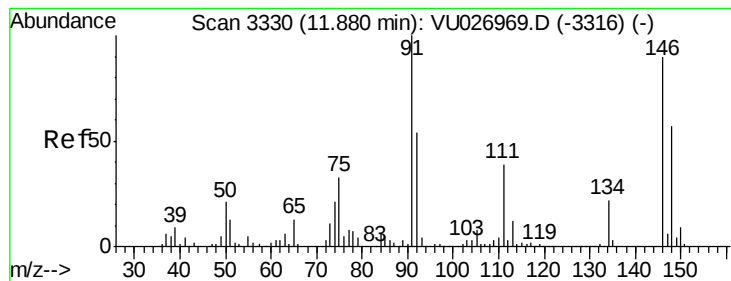
Tgt Ion:146 Resp: 1507
 Ion Ratio Lower Upper
 146 100
 111 36.8 20.8 62.2
 148 67.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 8.944 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027175.D
 Acq: 26 Sep 2018 14:17

Tgt Ion:146 Resp: 23190
 Ion Ratio Lower Upper
 146 100
 111 45.7 20.3 60.9
 148 64.9 31.9 95.9





#91

1,2-Dichlorobenzene

Concen: 1.004 ug/l

RT: 11.88 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VU027175.D

Acq: 26 Sep 2018 14:17

Instrument :

MSVOA_U

ClientSampleId :

MW-95-SEP18

Tgt Ion:146 Resp: 2537

Ion Ratio Lower Upper

146 100

111 42.4 21.8 65.3

148 68.3 31.9 95.7

Abundance Ion 145.90 (145.60 to 146.60): V

2000 Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

