

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027423.D
 Acq On : 04 Oct 2018 21:10
 Operator : MD/SY
 Sample : J5232-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2

Quant Time: Oct 05 03:18:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	107154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	190041	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	97737	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	105183	58.78	ug/l	0.00
Spiked Amount			Recovery	=	117.56%	
35) Dibromofluoromethane	4.89	113	76568	58.79	ug/l	0.00
Spiked Amount			Recovery	=	117.58%	
50) Toluene-d8	7.57	98	288691	59.22	ug/l	0.00
Spiked Amount			Recovery	=	118.44%	
62) 4-Bromofluorobenzene	10.31	95	105851	58.43	ug/l	0.00
Spiked Amount			Recovery	=	116.86%	

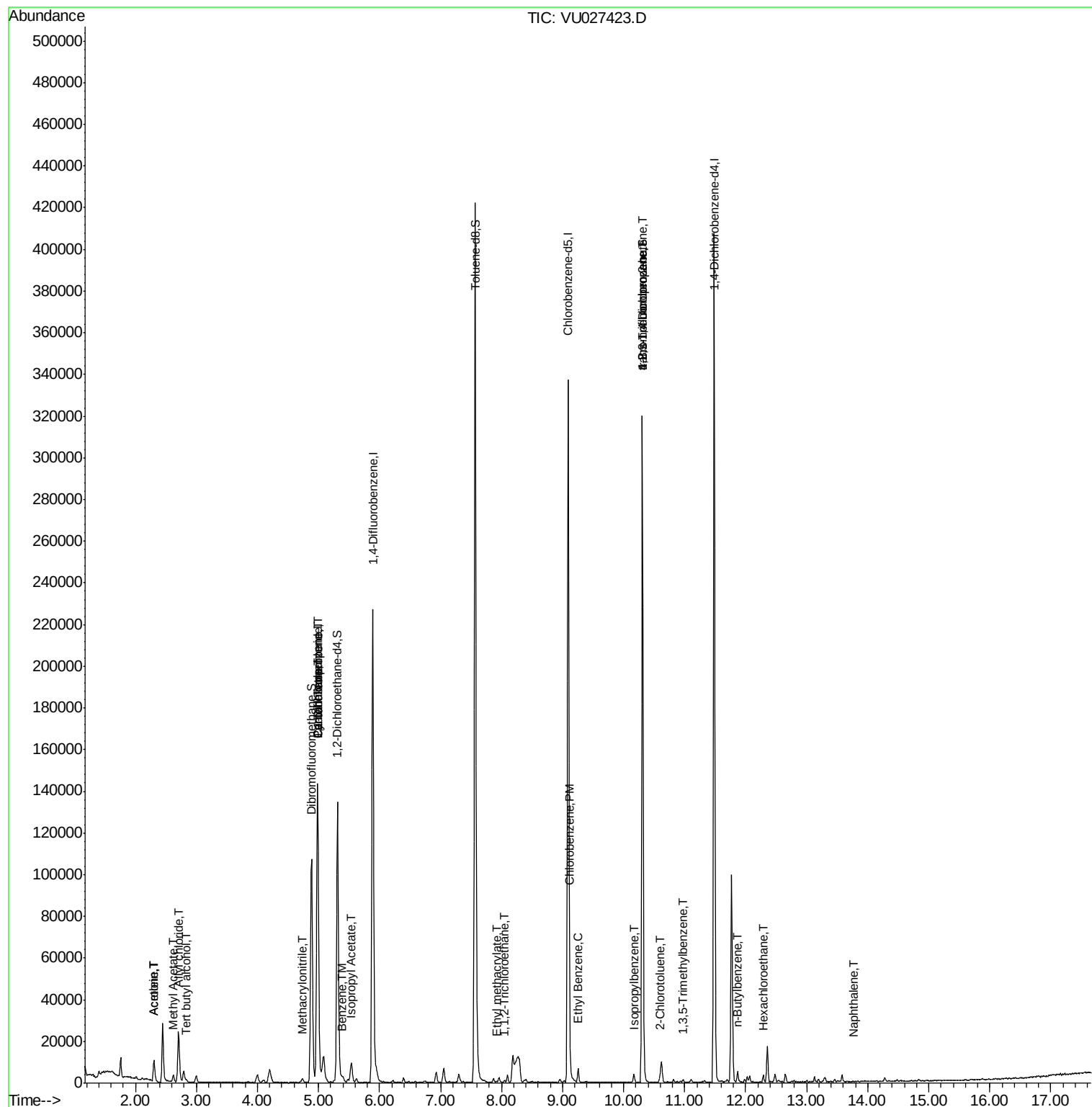
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	1326	3.519	ug/l #	72
13) Acrolein	2.31	56	1287	4.071	ug/l #	74
14) Allyl chloride	2.71	41	7039	2.619	ug/l #	58
16) Acetone	2.31	43	5623	5.320	ug/l #	57
18) Methyl Acetate	2.62	43	4545	1.885	ug/l	96
31) Cyclohexane	4.98	56	2996	0.810	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9823	4.761	ug/l #	50
38) Carbon Tetrachloride	4.99	117	11140	5.977	ug/l #	17
40) Benzene	5.39	78	1611	0.268	ug/l	98
41) Methacrylonitrile	4.74	41	438	0.291	ug/l #	40
43) Isopropyl Acetate	5.54	43	1922	0.464	ug/l #	63
55) 1,1,2-Trichloroethane	8.05	97	326	0.231	ug/l #	13
56) Ethyl methacrylate	7.93	69	67	2.295	ug/l #	1
65) Chlorobenzene	9.12	112	788	0.205	ug/l #	87
67) Ethyl Benzene	9.25	91	5649	0.831	ug/l	95
73) Isopropylbenzene	10.17	105	2946	0.415	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	55333	21.840	ug/l #	37
79) 2-Chlorotoluene	10.59	91	1619	0.314	ug/l #	43
80) 1,3,5-Trimethylbenzene	10.98	105	1363	0.236	ug/l #	60
81) trans-1,4-Dichloro-2-buten	10.31	75	55333	57.157	ug/l #	100
89) n-Butylbenzene	11.87	91	969	2.095	ug/l #	2
90) Hexachloroethane	12.29	117	1764	1.553	ug/l #	12
95) Naphthalene	13.76	128	115	1.675	ug/l #	69

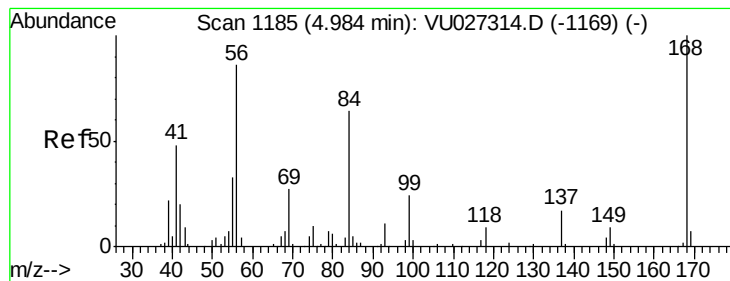
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
Data File : VU027423.D
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Quant Time: Oct 05 03:18:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 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: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

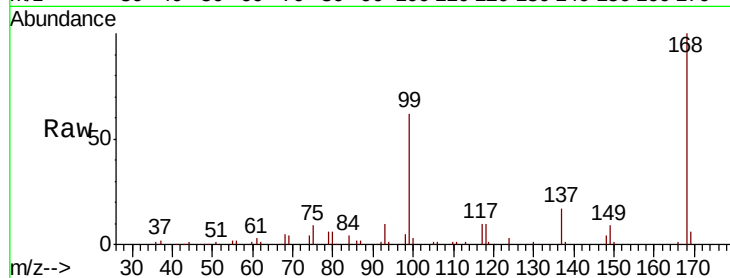
MW-2

Tgt Ion:168 Resp: 107154

Ion Ratio Lower Upper

168 100

99 61.6 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

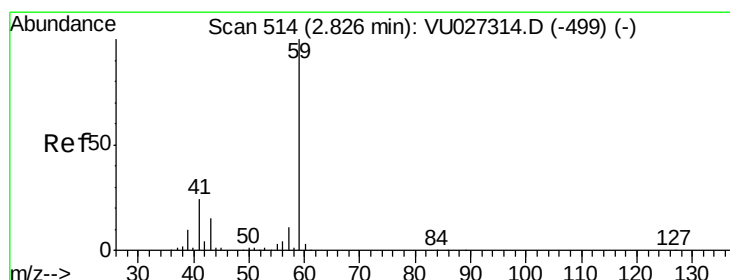
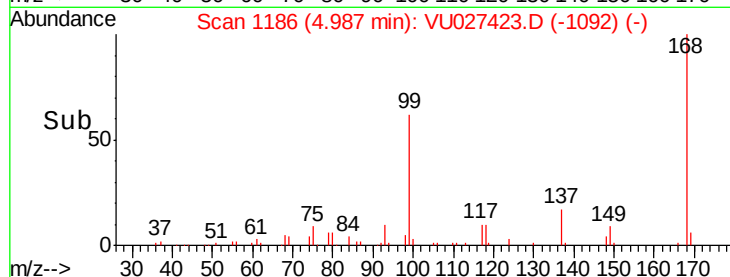
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#11

Tert butyl alcohol

Concen: 3.519 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU027423.D

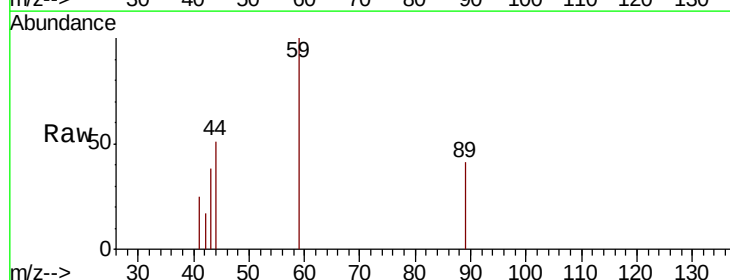
Acq: 04 Oct 2018 21:10

Tgt Ion: 59 Resp: 1326

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.84

600

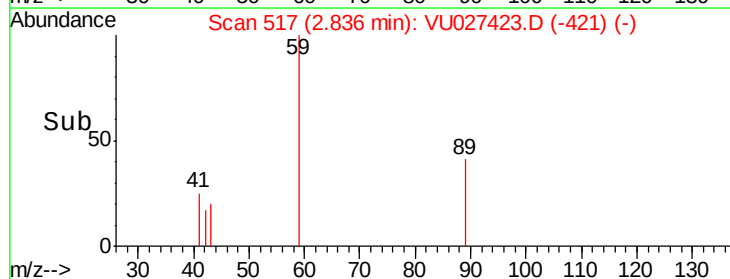
400

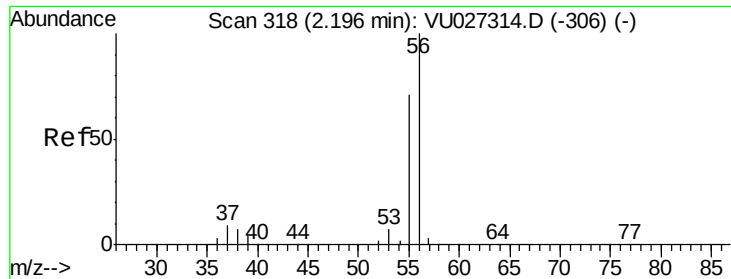
200

0

2.80 2.85 2.90

Time-->

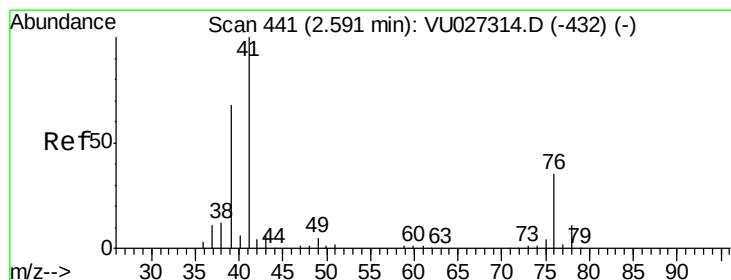
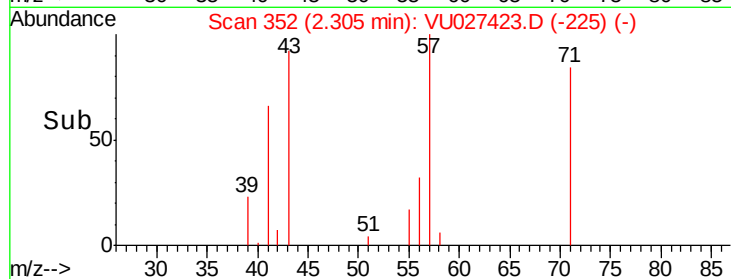
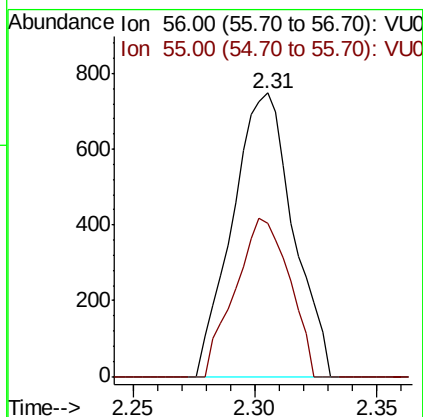
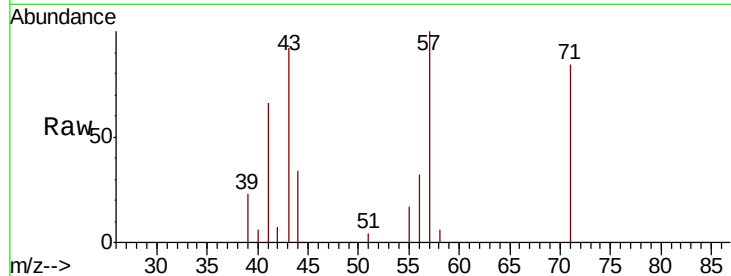




#13
 Acrolein
 Concen: 4.071 ug/l
 RT: 2.31 min Scan# 352
 Delta R.T. 0.11 min
 Lab File: VU027423.D
 Acq: 04 Oct 2018 21:10

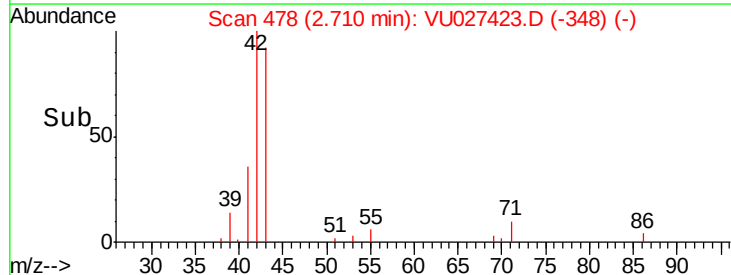
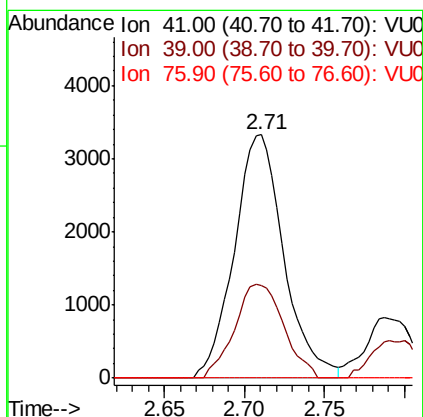
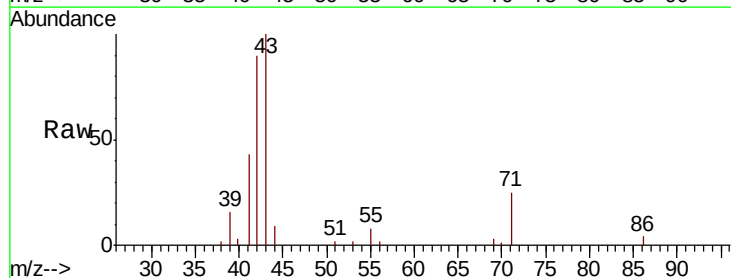
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2

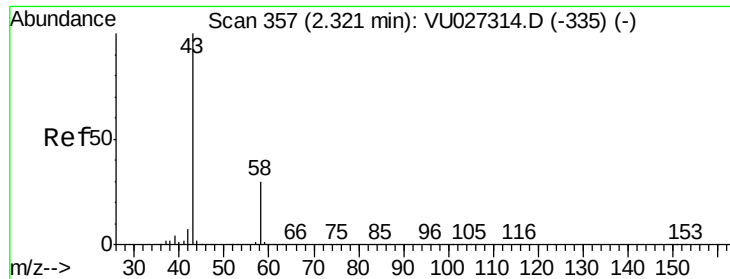
Tgt Ion: 56 Resp: 1287
 Ion Ratio Lower Upper
 56 100
 55 50.0 57.7 86.5#



#14
 Allyl chloride
 Concen: 2.619 ug/l
 RT: 2.71 min Scan# 478
 Delta R.T. 0.12 min
 Lab File: VU027423.D
 Acq: 04 Oct 2018 21:10

Tgt Ion: 41 Resp: 7039
 Ion Ratio Lower Upper
 41 100
 39 38.2 51.8 77.8#
 76 0.0 25.9 38.9#





#16

Acetone

Concen: 5.320 ug/l

RT: 2.31 min Scan# 353

Delta R.T. -0.01 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

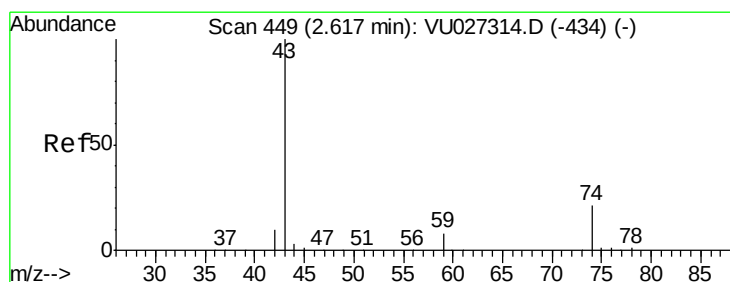
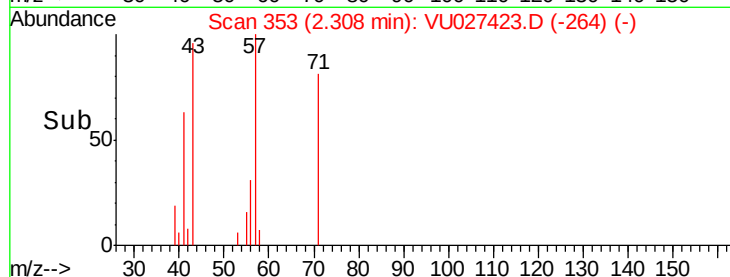
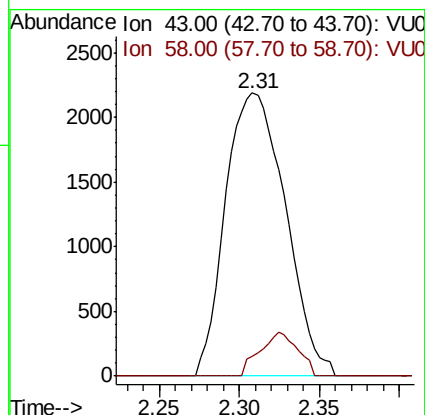
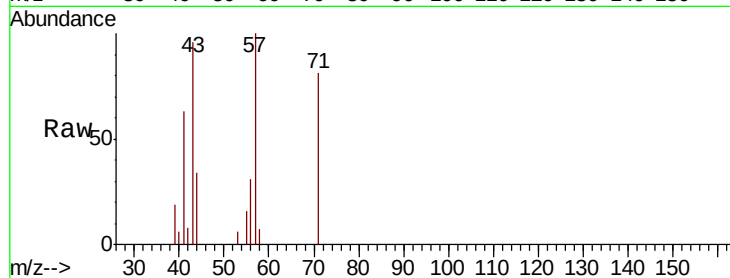
MW-2

Tgt Ion: 43 Resp: 5623

Ion Ratio Lower Upper

43 100

58 7.1 24.2 36.4#



#18

Methyl Acetate

Concen: 1.885 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU027423.D

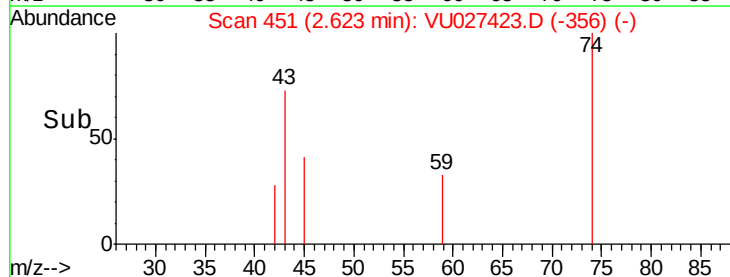
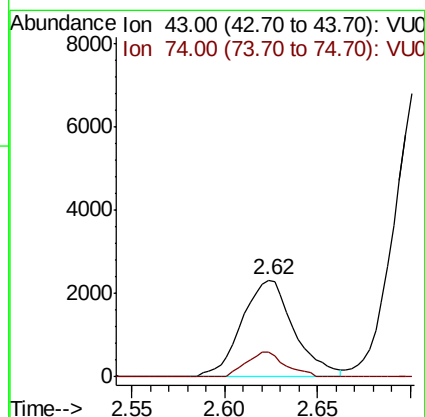
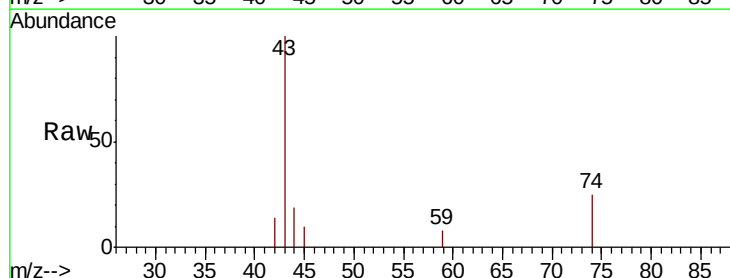
Acq: 04 Oct 2018 21:10

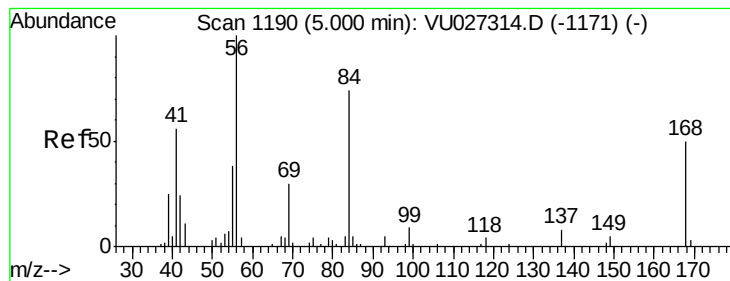
Tgt Ion: 43 Resp: 4545

Ion Ratio Lower Upper

43 100

74 18.8 16.5 24.7





#31

Cyclohexane

Concen: 0.810 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.02 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

MW-2

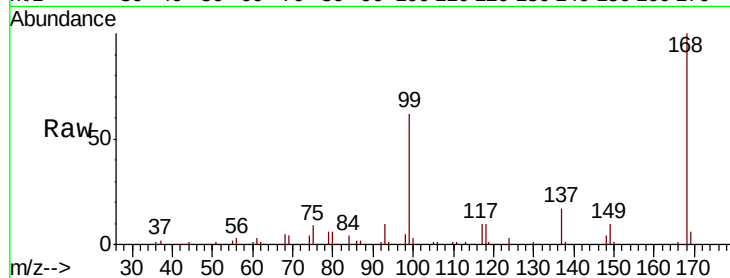
Tgt Ion: 56 Resp: 2996

Ion Ratio Lower Upper

56 100

69 176.9 24.1 36.1#

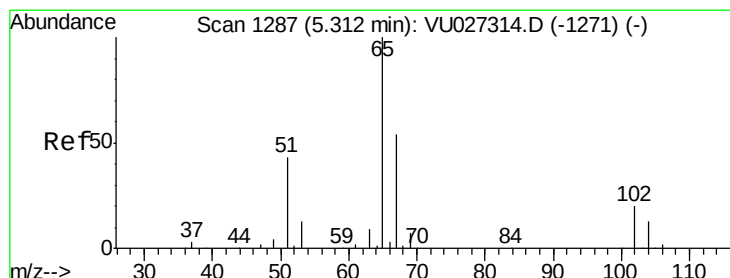
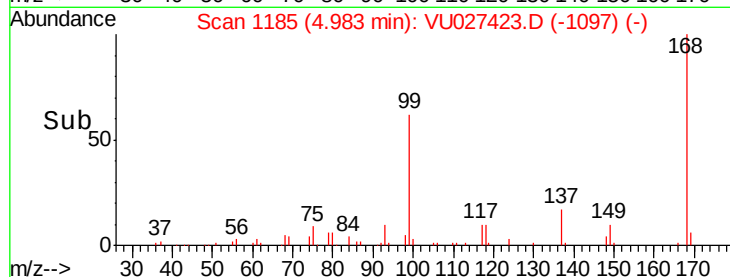
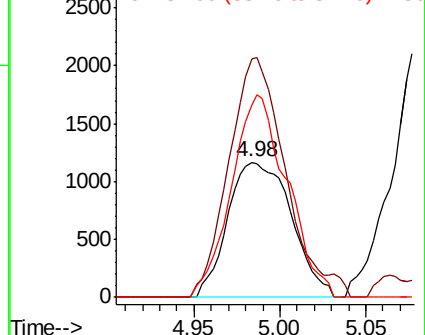
84 142.6 59.1 88.7#



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: 58.785 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027423.D

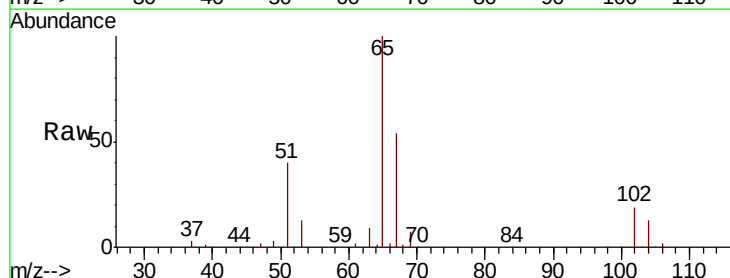
Acq: 04 Oct 2018 21:10

Tgt Ion: 65 Resp: 105183

Ion Ratio Lower Upper

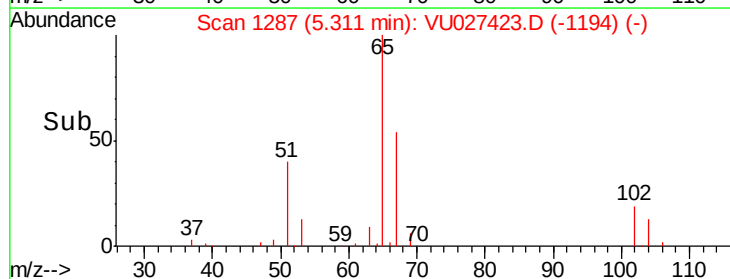
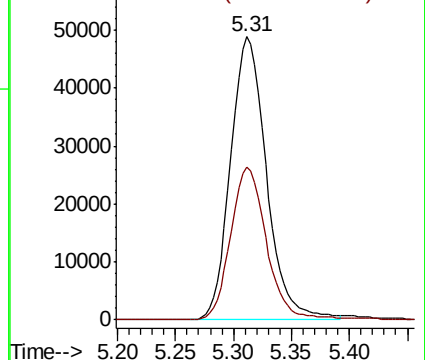
65 100

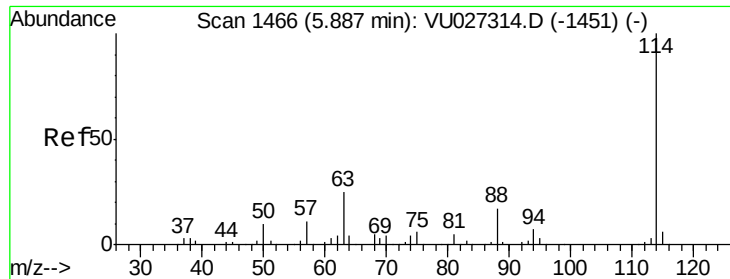
67 53.6 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

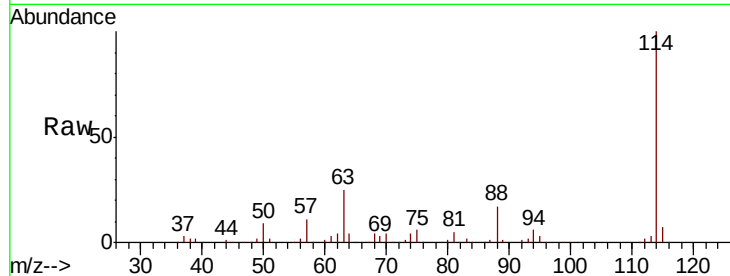




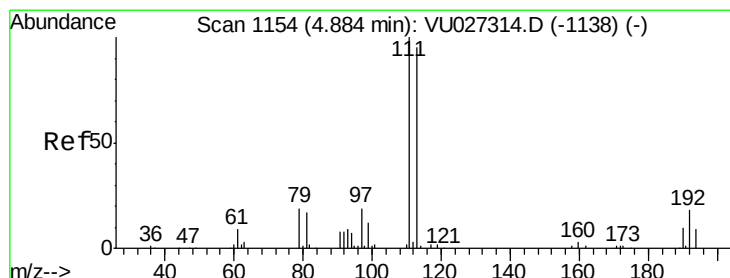
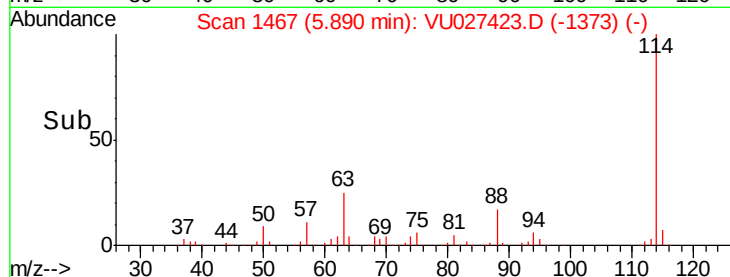
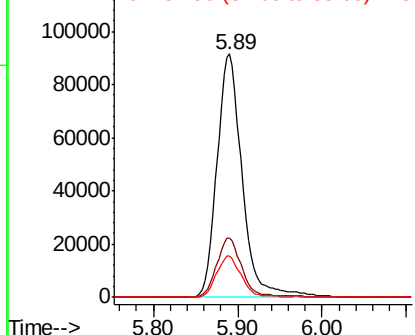
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027423.D
 Acq: 04 Oct 2018 21:10

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-2

Tgt Ion:114 Resp: 190041
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 50.2
 88 16.9 0.0 33.8

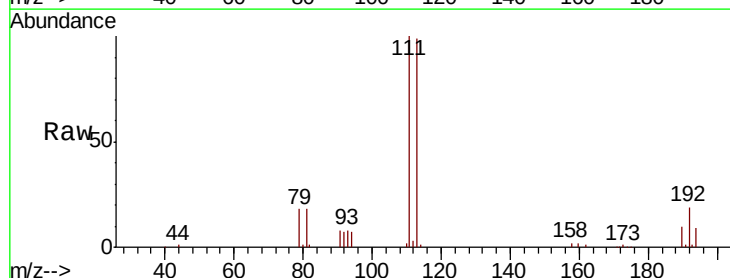


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

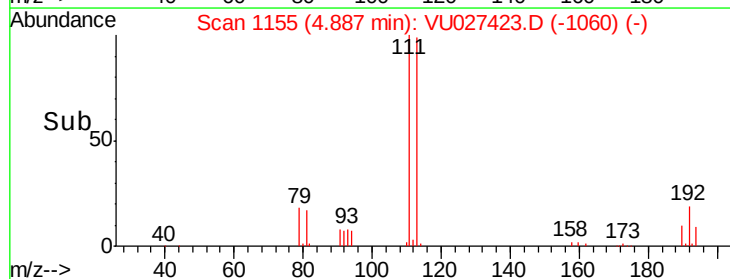
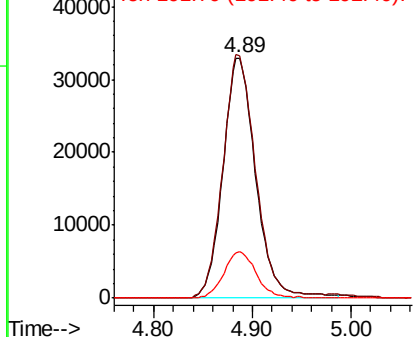


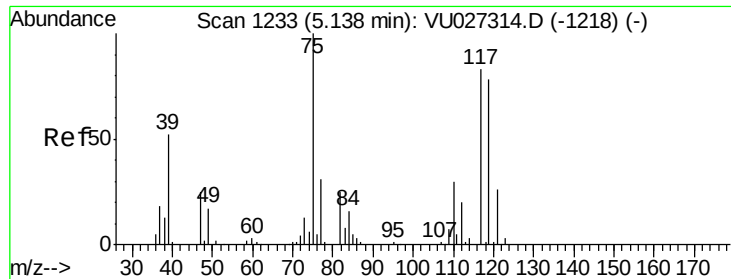
#35
 Dibromofluoromethane
 Concen: 58.790 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027423.D
 Acq: 04 Oct 2018 21:10

Tgt Ion:113 Resp: 76568
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.1 124.7
 192 19.1 15.4 23.0



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

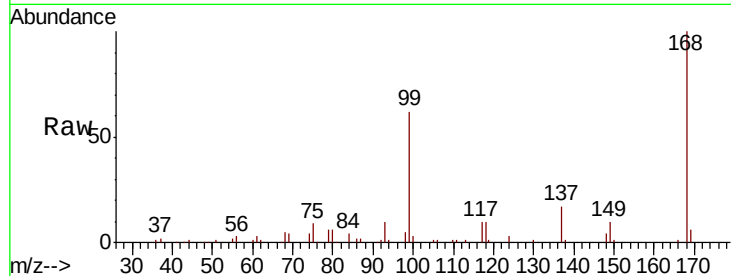




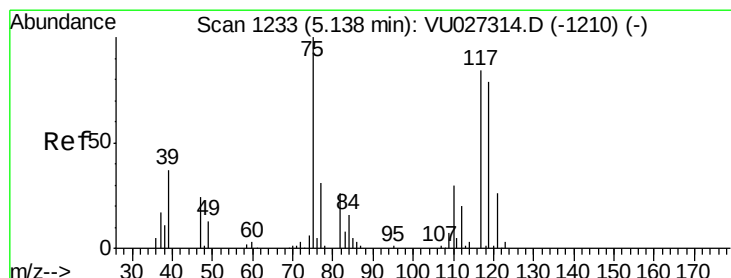
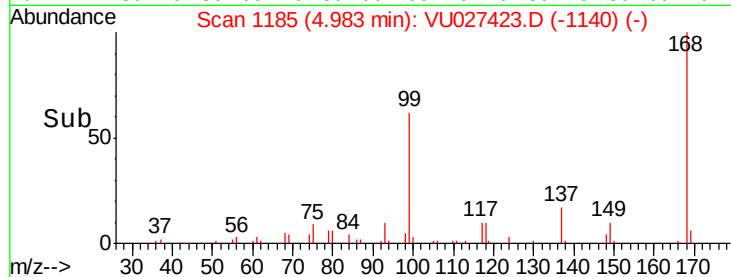
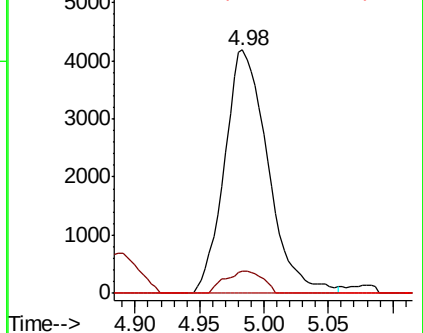
#36
 1,1-Dichloropropene
 Concen: 4.761 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027423.D
 Acq: 04 Oct 2018 21:10

Instrument :
 MSVOA_U
 ClientSampled :
 MW-2

Tgt Ion: 75 Resp: 9823
 Ion Ratio Lower Upper
 75 100
 110 7.8 15.5 46.5#
 77 0.0 25.4 38.0#

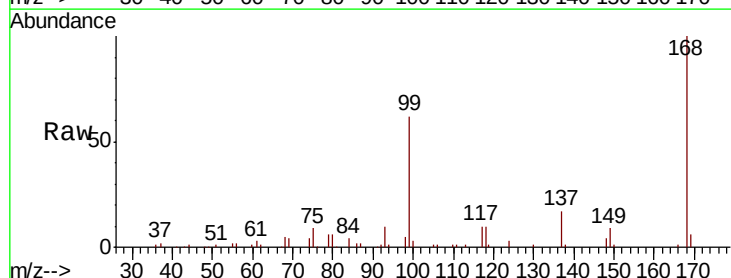


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

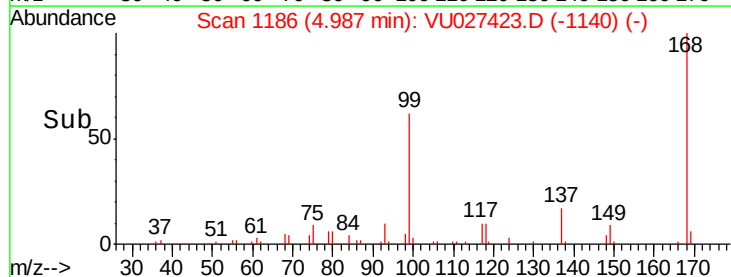
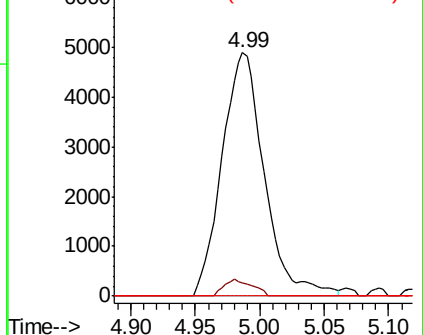


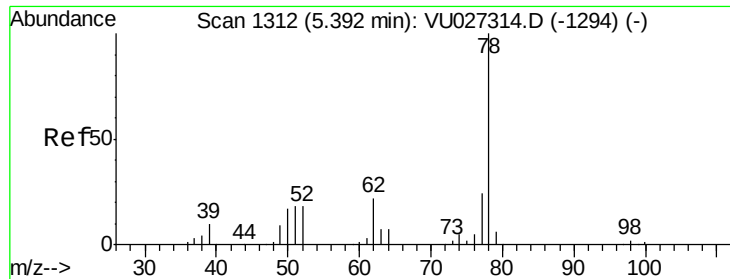
#38
 Carbon Tetrachloride
 Concen: 5.977 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027423.D
 Acq: 04 Oct 2018 21:10

Tgt Ion: 117 Resp: 11140
 Ion Ratio Lower Upper
 117 100
 119 5.2 74.5 111.7#
 121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.268 ug/l

RT: 5.39 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

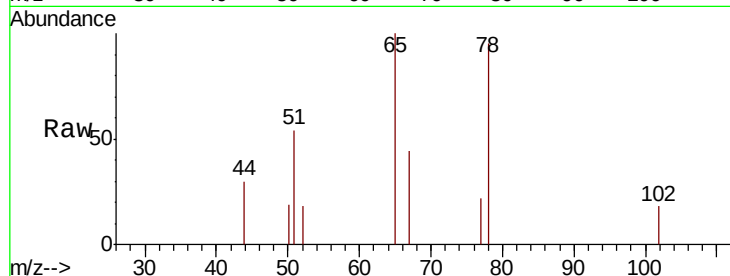
MW-2

Tgt Ion: 78 Resp: 1611

Ion Ratio Lower Upper

78 100

77 23.0 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

800

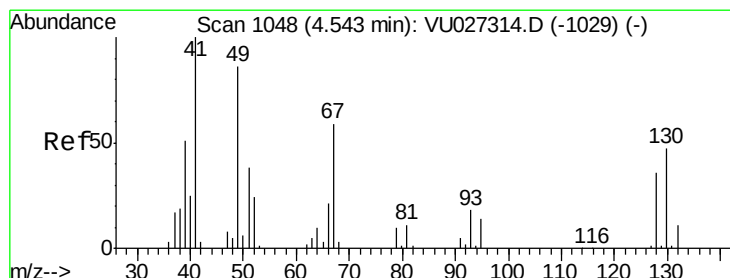
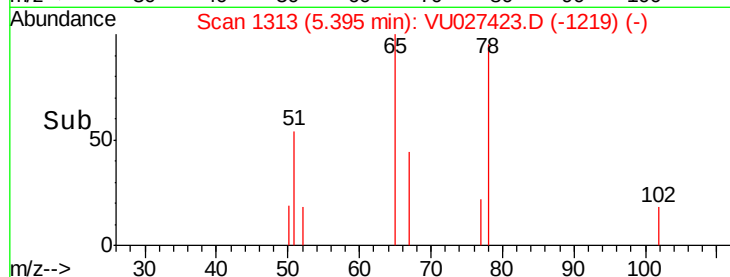
600

400

200

0

Time-->



#41

Methacrylonitrile

Concen: 0.291 ug/l

RT: 4.74 min Scan# 1109

Delta R.T. 0.20 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Tgt Ion: 41 Resp: 438

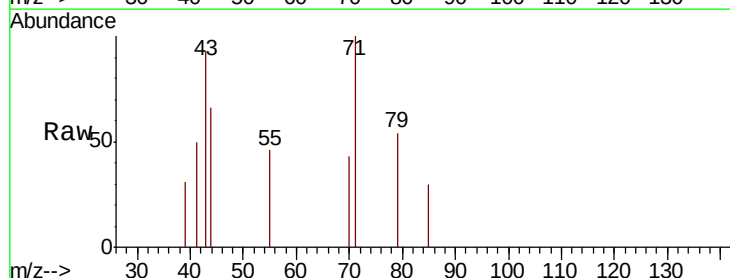
Ion Ratio Lower Upper

41 100

39 24.4 41.1 61.7#

67 0.0 50.4 75.6#

52 0.0 20.3 30.5#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

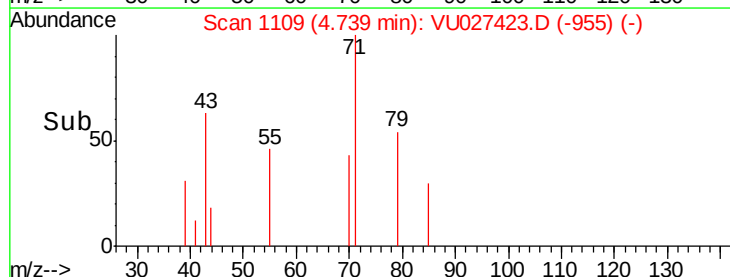
300

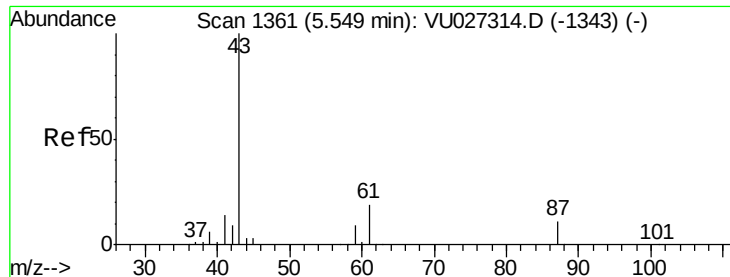
200

100

0

Time-->





#43

Isopropyl Acetate

Concen: 0.464 ug/l

RT: 5.54 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampled :

MW-2

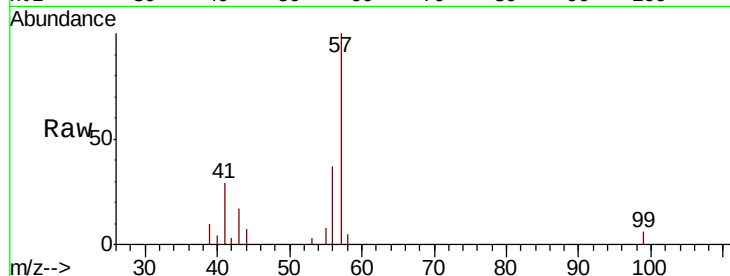
Tgt Ion: 43 Resp: 1922

Ion Ratio Lower Upper

43 100

61 0.0 15.3 22.9#

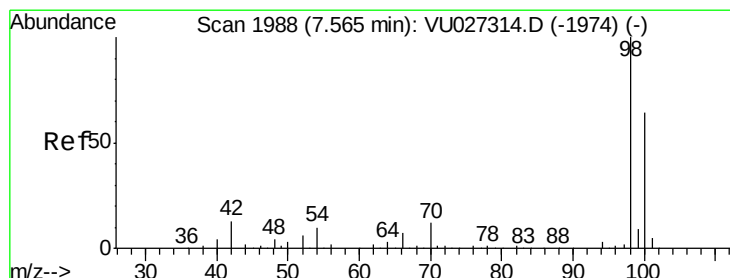
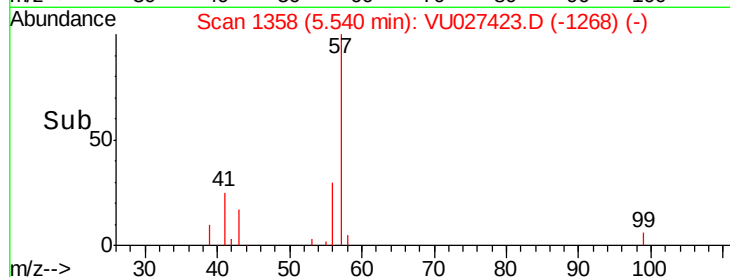
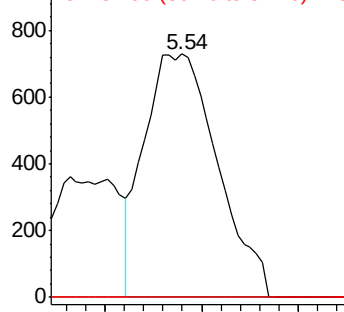
87 0.0 8.6 13.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 59.225 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU027423.D

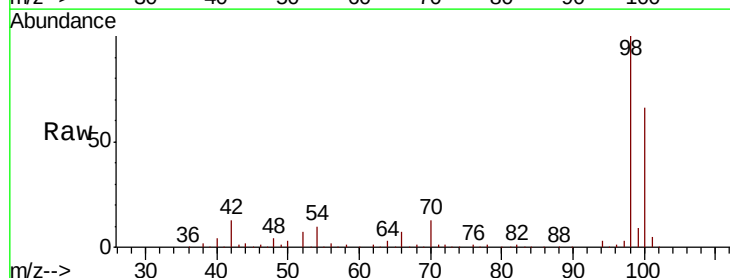
Acq: 04 Oct 2018 21:10

Tgt Ion: 98 Resp: 288691

Ion Ratio Lower Upper

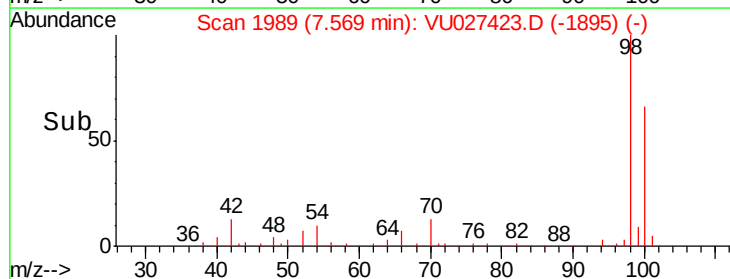
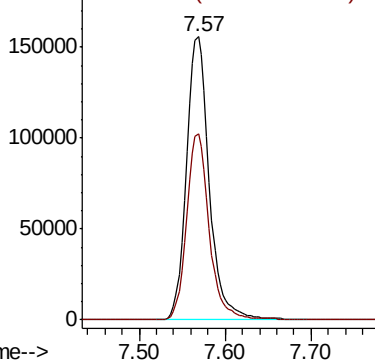
98 100

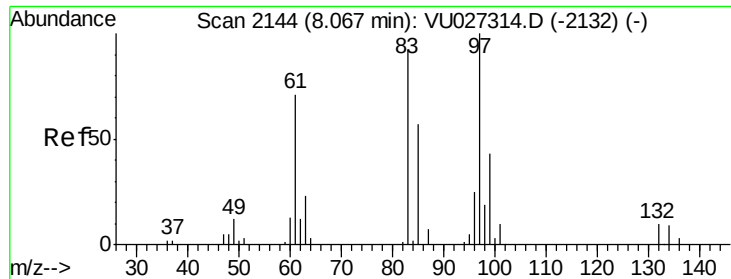
100 64.6 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

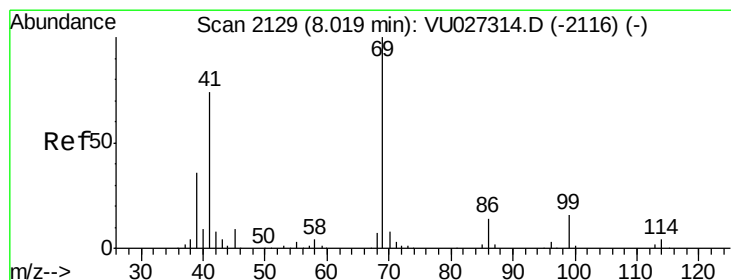
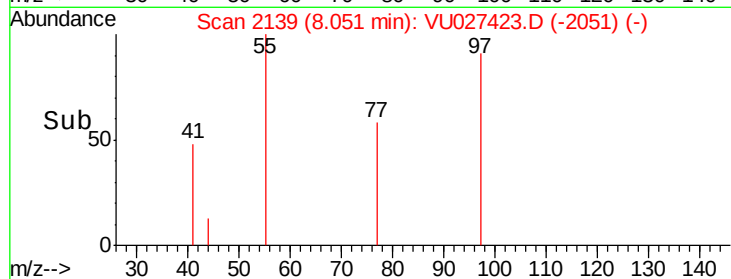
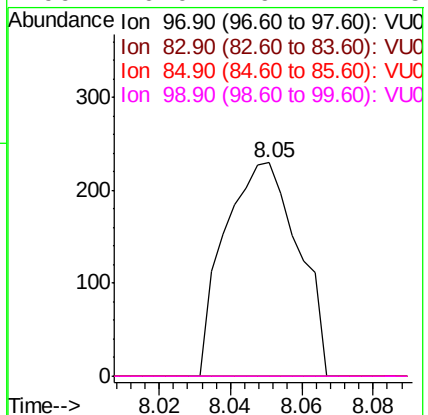
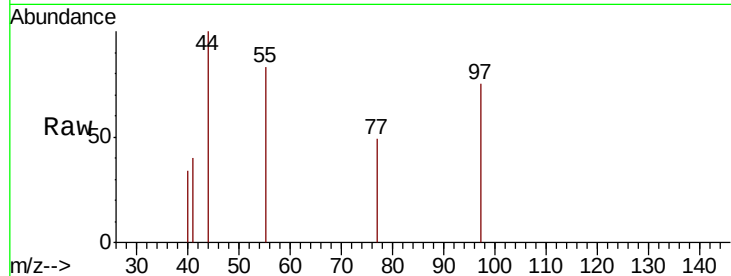




#55
1,1,2-Trichloroethane
Concen: 0.231 ug/l
RT: 8.05 min Scan# 2139
Delta R.T. -0.02 min
Lab File: VU027423.D
Acq: 04 Oct 2018 21:10

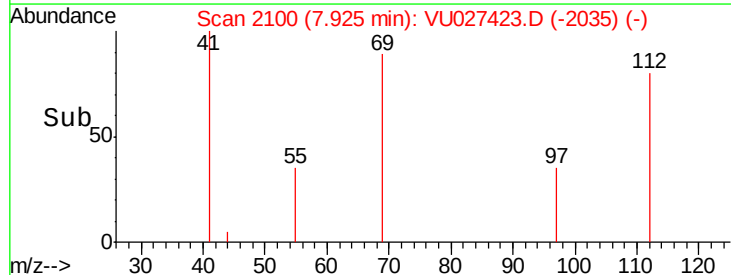
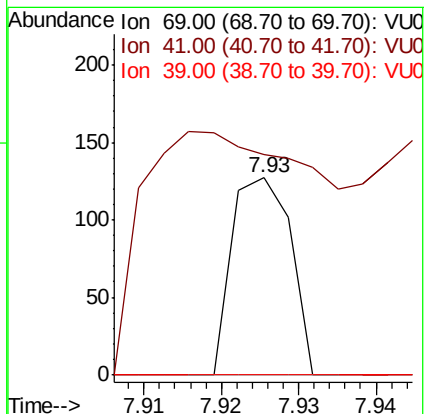
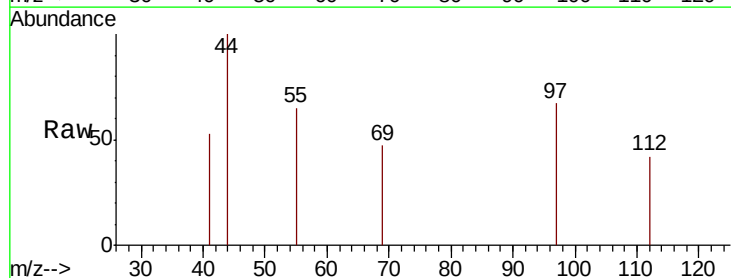
Instrument :
MSVOA_U
ClientSampleId :
MW-2

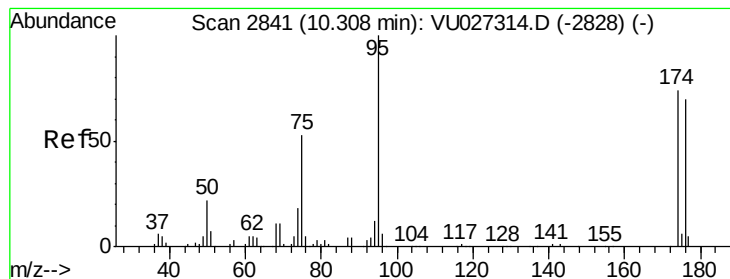
Tgt Ion: 97 Resp: 326
Ion Ratio Lower Upper
97 100
83 0.0 73.0 109.6#
85 0.0 47.3 70.9#
99 0.0 49.7 74.5#



#56
Ethyl methacrylate
Concen: 2.295 ug/l
RT: 7.93 min Scan# 2100
Delta R.T. -0.09 min
Lab File: VU027423.D
Acq: 04 Oct 2018 21:10

Tgt Ion: 69 Resp: 67
Ion Ratio Lower Upper
69 100
41 362.7 60.0 90.0#
39 0.0 29.5 44.3#





#62

4-Bromofluorobenzene

Concen: 58.431 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampled :

MW-2

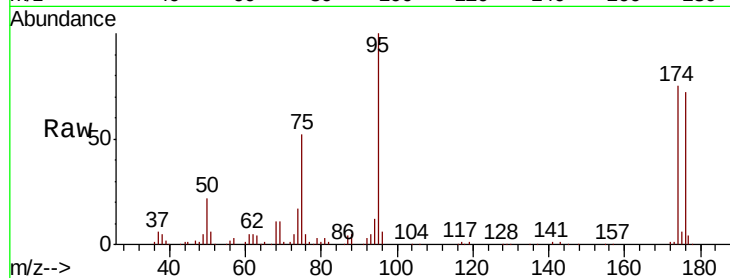
Tgt Ion: 95 Resp: 105851

Ion Ratio Lower Upper

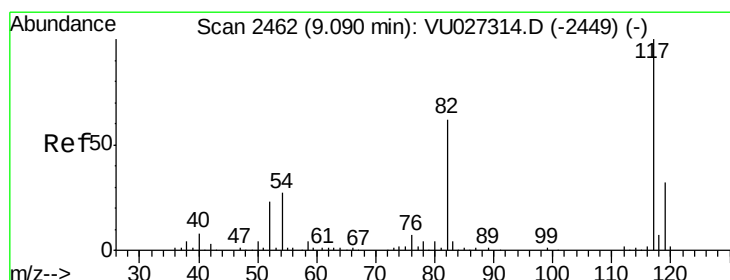
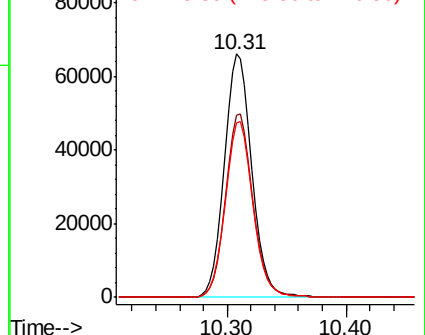
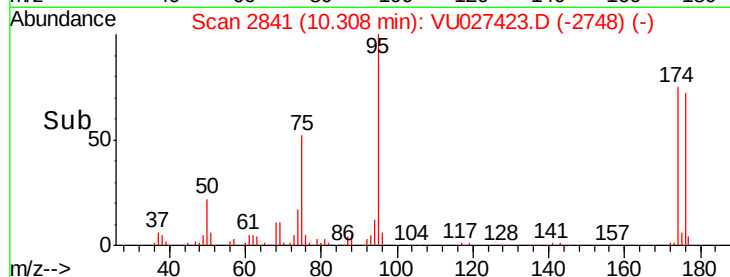
95 100

174 74.8 0.0 147.8

176 72.6 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU027423.D (-2748) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

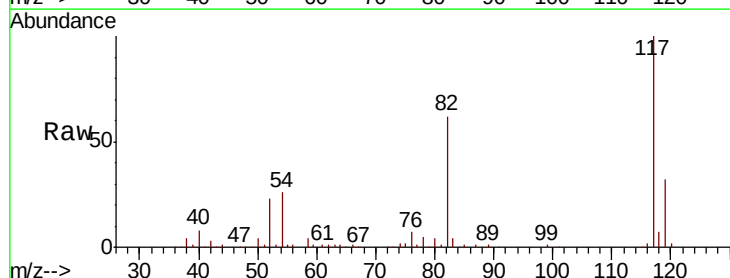
Tgt Ion: 117 Resp: 182358

Ion Ratio Lower Upper

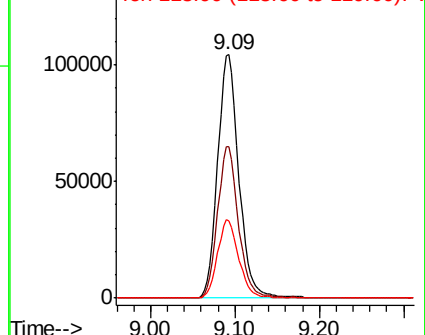
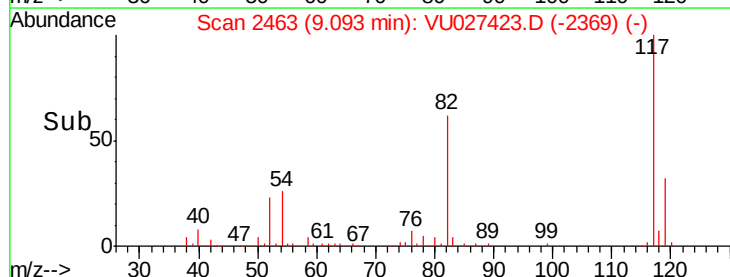
117 100

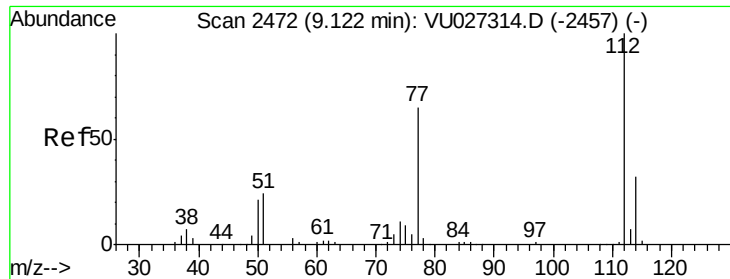
82 62.2 49.2 73.8

119 31.9 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VU027423.D (-2369) (-)





#65

Chlorobenzene

Concen: 0.205 ug/l

RT: 9.12 min Scan# 2472

Delta R.T. -0.00 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampled :

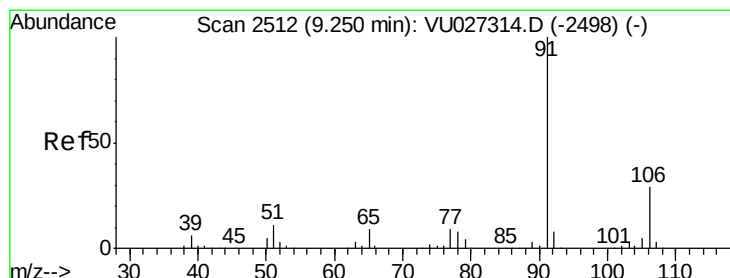
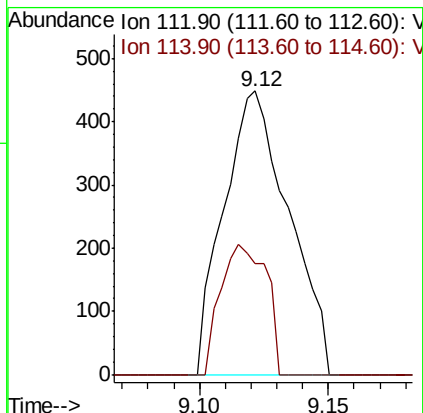
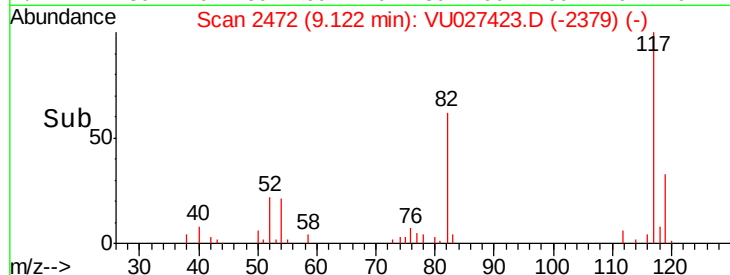
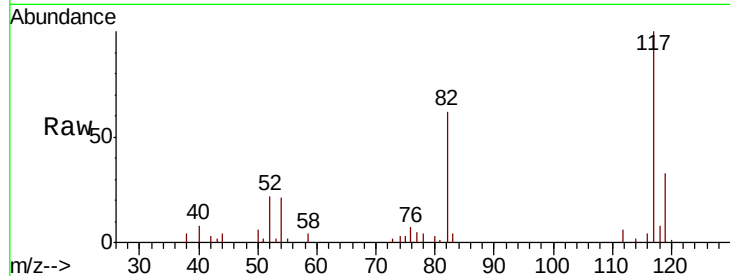
MW-2

Tgt Ion: 112 Resp: 788

Ion Ratio Lower Upper

112 100

114 39.3 25.8 38.6#



#67

Ethyl Benzene

Concen: 0.831 ug/l

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027423.D

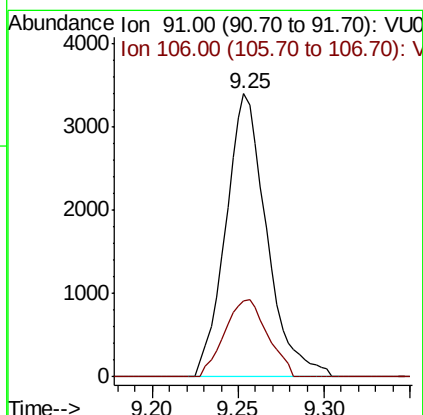
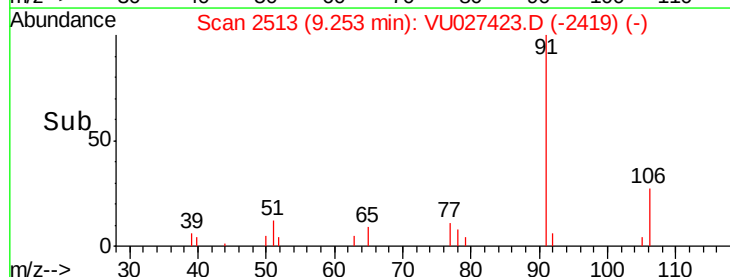
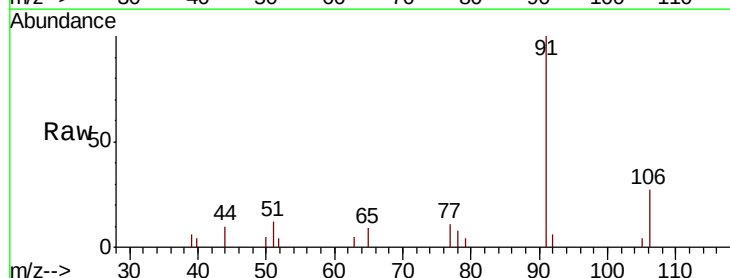
Acq: 04 Oct 2018 21:10

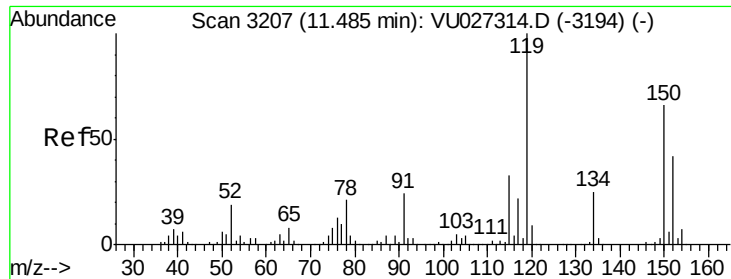
Tgt Ion: 91 Resp: 5649

Ion Ratio Lower Upper

91 100

106 27.0 23.6 35.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

MW-2

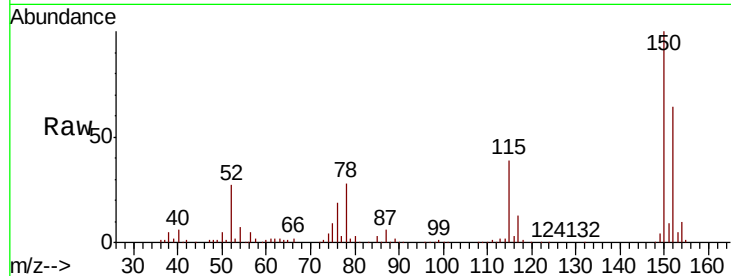
Tgt Ion:152 Resp: 97737

Ion Ratio Lower Upper

152 100

115 61.1 43.4 130.2

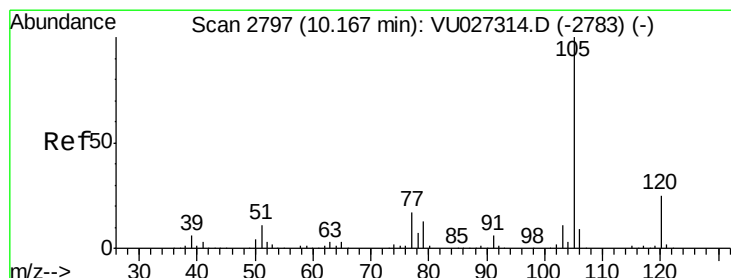
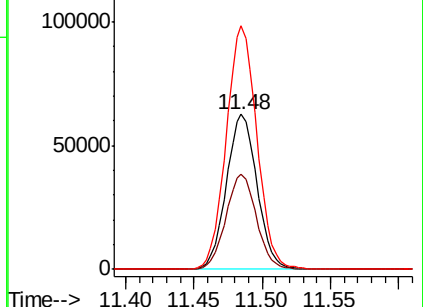
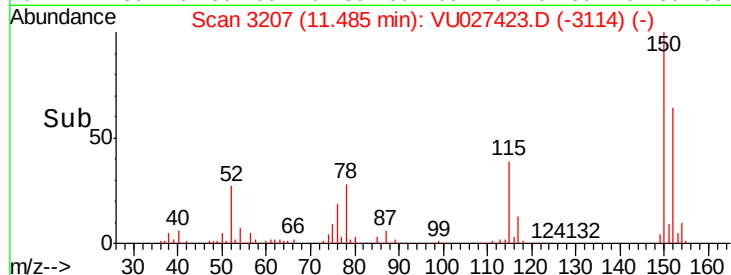
150 157.1 0.0 349.2



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



#73

Isopropylbenzene

Concen: 0.415 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027423.D

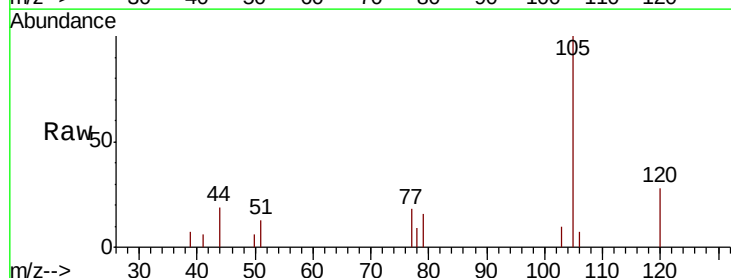
Acq: 04 Oct 2018 21:10

Tgt Ion:105 Resp: 2946

Ion Ratio Lower Upper

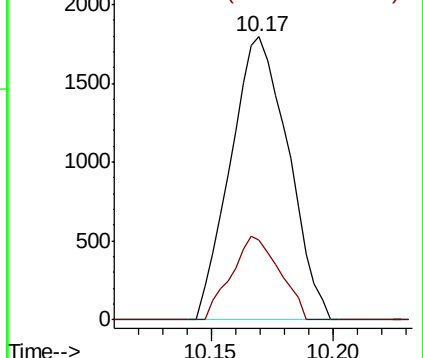
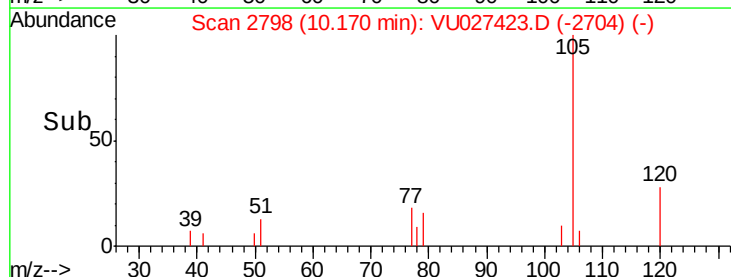
105 100

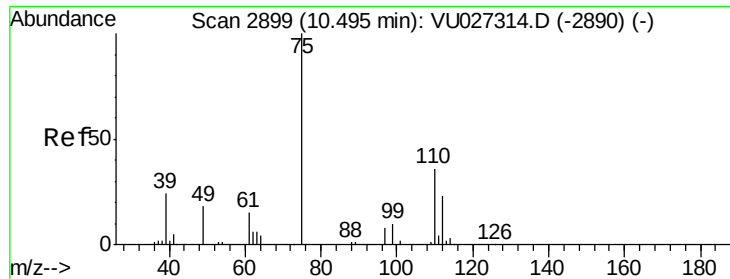
120 24.7 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 21.840 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

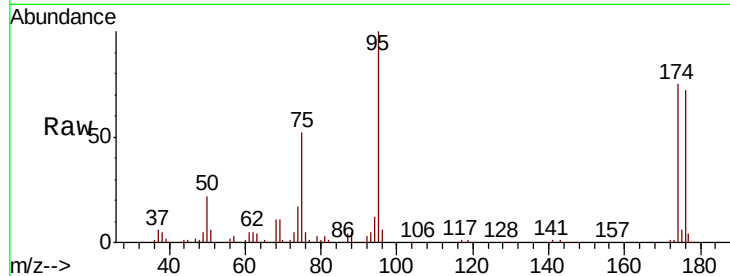
MW-2

Tgt Ion: 75 Resp: 55333

Ion Ratio Lower Upper

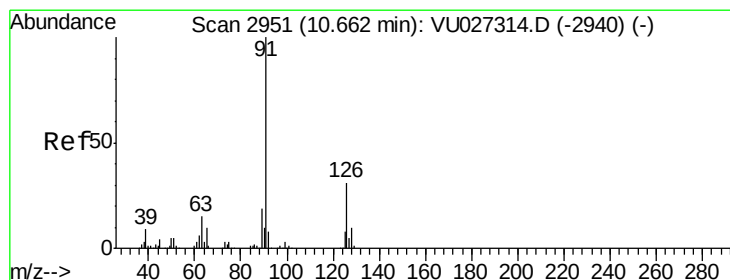
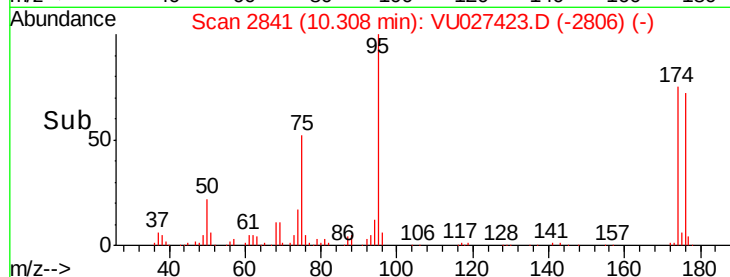
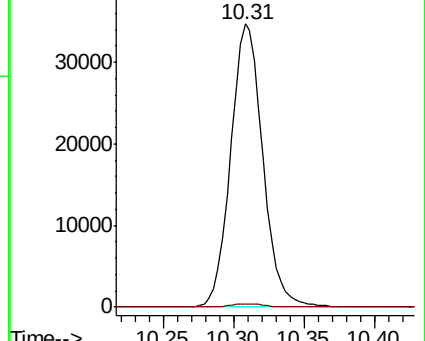
75 100

77 1.1 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#79

2-Chlorotoluene

Concen: 0.314 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.07 min

Lab File: VU027423.D

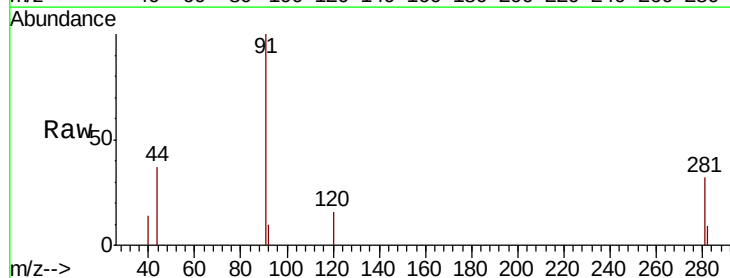
Acq: 04 Oct 2018 21:10

Tgt Ion: 91 Resp: 1619

Ion Ratio Lower Upper

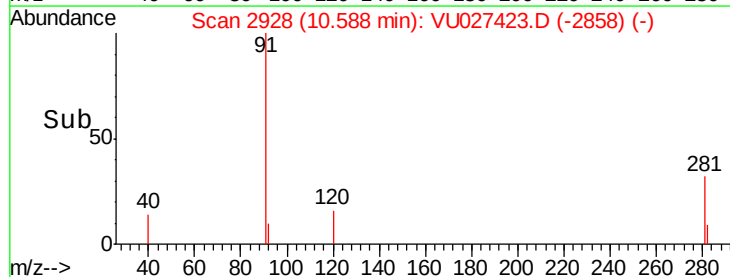
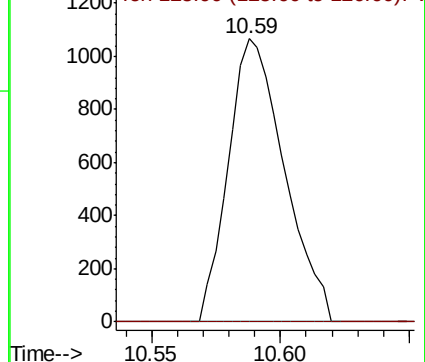
91 100

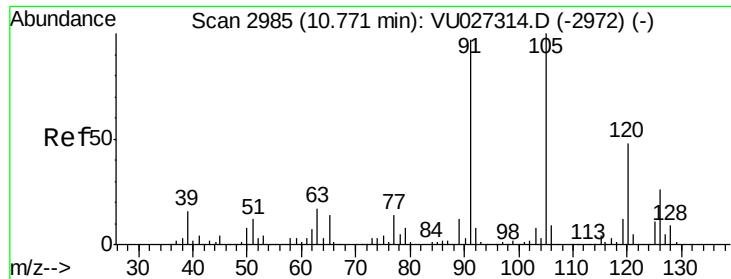
126 0.0 15.7 47.1#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.236 ug/l

RT: 10.98 min Scan# 3049

Delta R.T. 0.21 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

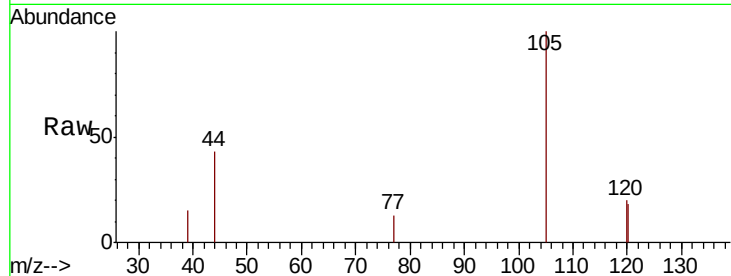
MW-2

Tgt Ion: 105 Resp: 1363

Ion Ratio Lower Upper

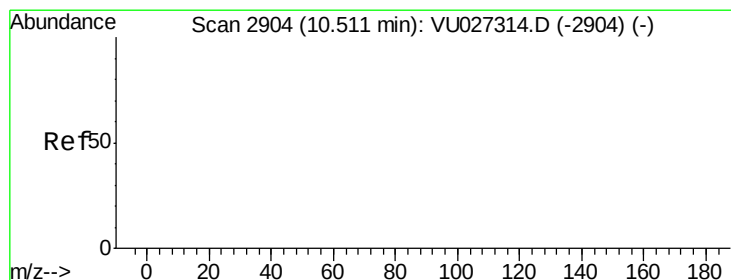
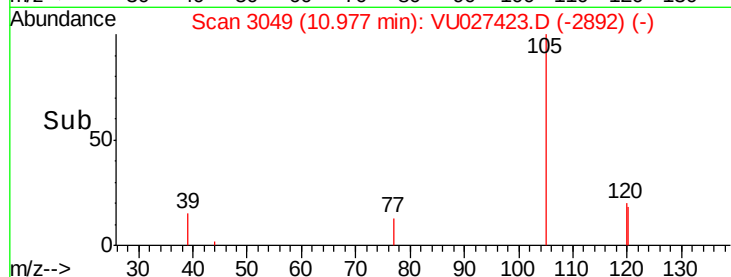
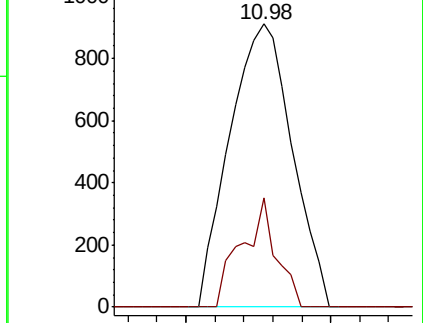
105 100

120 21.3 24.1 72.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 57.157 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

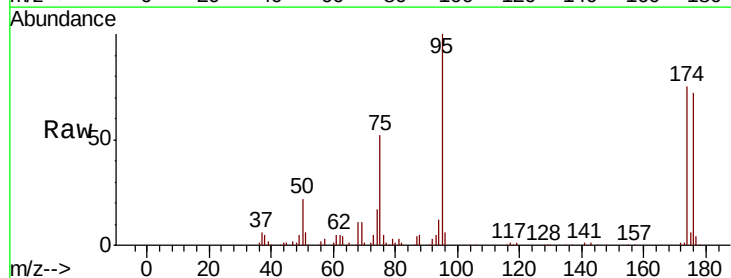
Tgt Ion: 75 Resp: 55333

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

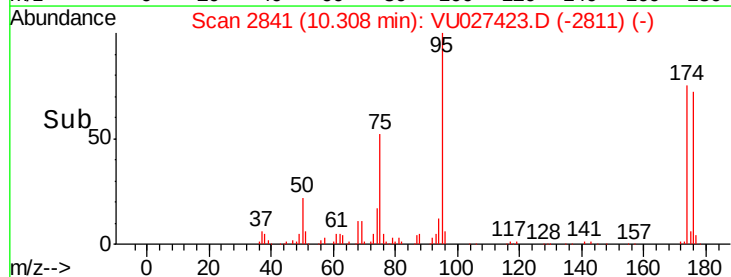
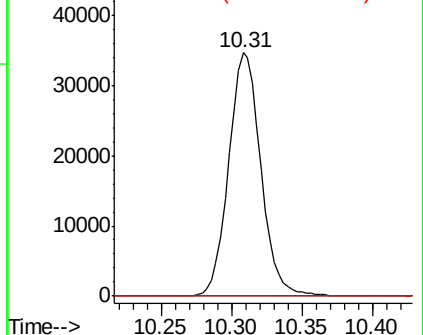
89 0.0 0.0 0.0

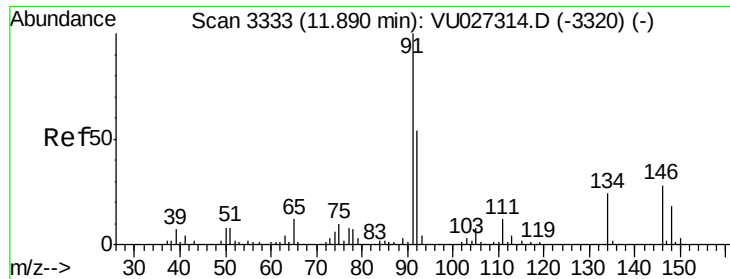


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#89

n-Butylbenzene

Concen: 2.095 ug/l

RT: 11.87 min Scan# 3327

Delta R.T. -0.02 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

MW-2

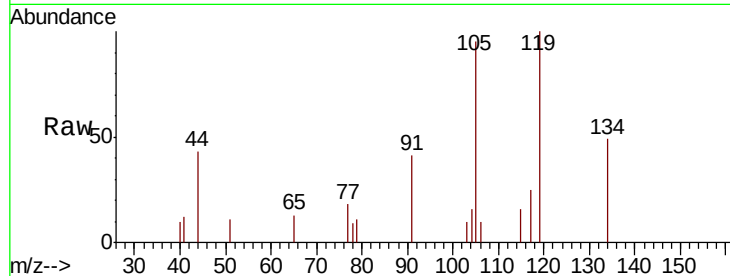
Tgt Ion: 91 Resp: 969

Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

134 96.9 11.7 35.1#

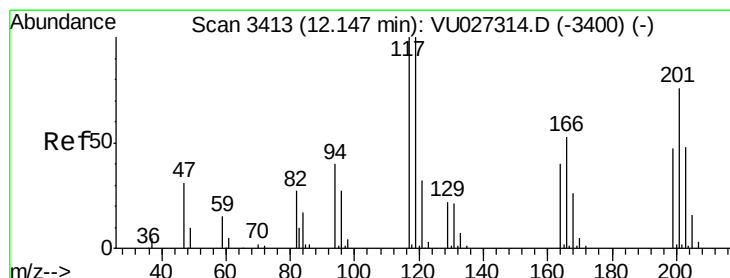
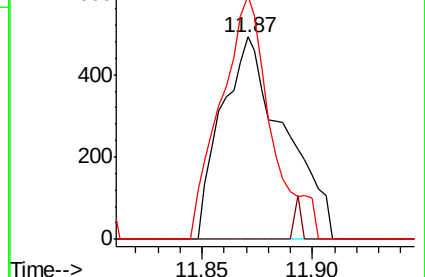
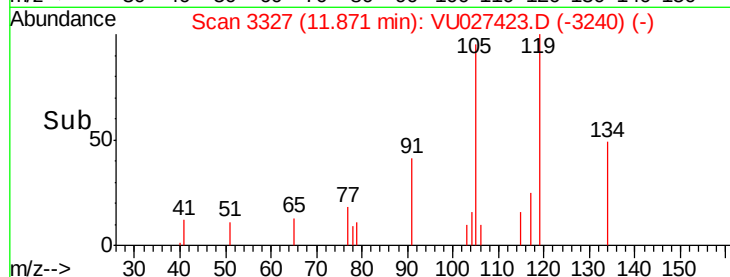


Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-3320) (-)

Ion 92.00 (91.70 to 92.70): VU027314.D (-3320) (-)

Ion 134.00 (133.70 to 134.70): VU027314.D (-3320) (-)

Time-->



#90

Hexachloroethane

Concen: 1.553 ug/l

RT: 12.29 min Scan# 3456

Delta R.T. 0.14 min

Lab File: VU027423.D

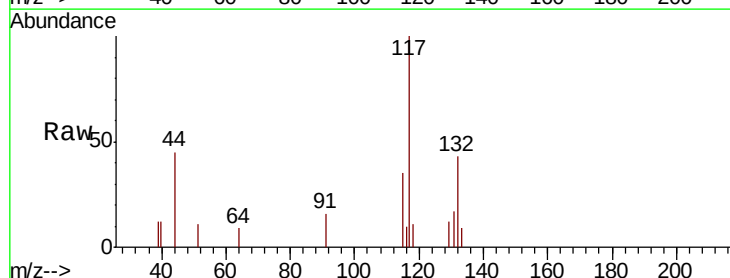
Acq: 04 Oct 2018 21:10

Tgt Ion: 117 Resp: 1764

Ion Ratio Lower Upper

117 100

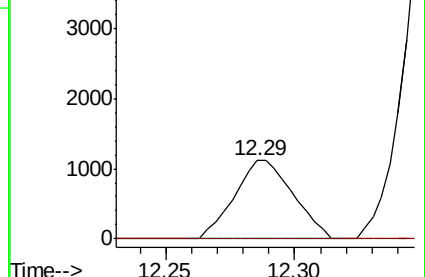
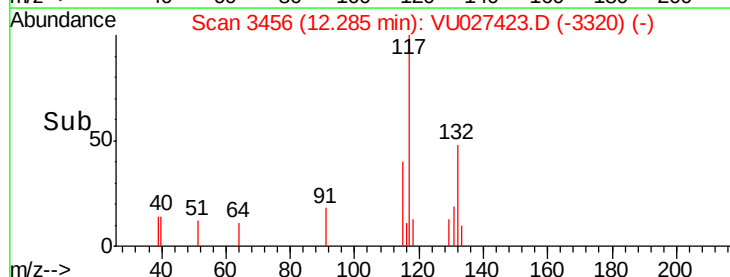
201 0.0 37.9 113.6#

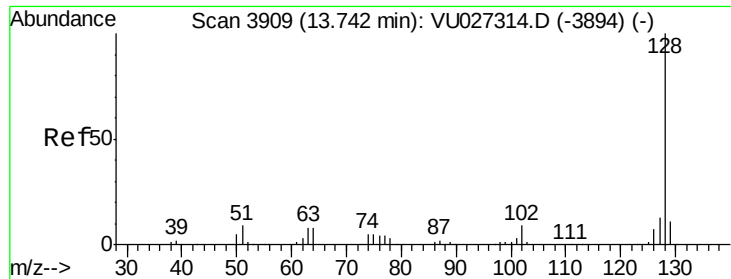


Abundance Ion 116.80 (116.50 to 117.50): VU027314.D (-3400) (-)

Ion 200.70 (200.40 to 201.40): VU027314.D (-3400) (-)

Time-->





#95

Naphthalene

Concen: 1.675 ug/l

RT: 13.76 min Scan# 3914

Delta R.T. 0.02 min

Lab File: VU027423.D

Acq: 04 Oct 2018 21:10

Instrument :

MSVOA_U

ClientSampleId :

MW-2

Tgt Ion:128 Resp: 115

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

