

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027378.D
 Acq On : 04 Oct 2018 00:12
 Operator : MD/SY
 Sample : J5163-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

Quant Time: Oct 04 01:16:42 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	89086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	160535	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	147711	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68019	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	95405	64.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.26%	
35) Dibromofluoromethane	4.89	113	66964	60.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.74%	
50) Toluene-d8	7.57	98	247378	60.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.16%	
62) 4-Bromofluorobenzene	10.31	95	78176	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	

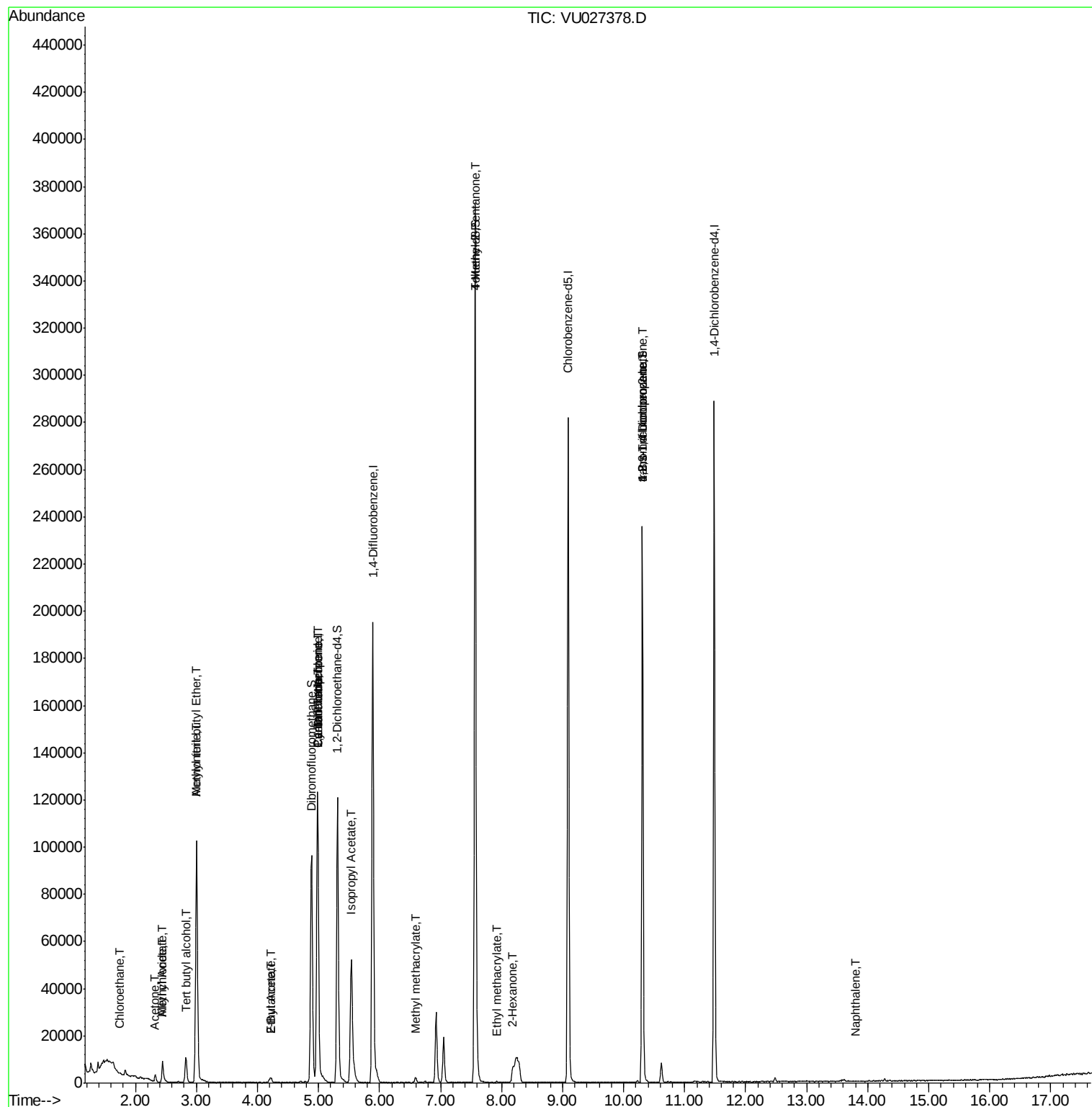
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.74	64	317	0.323	ug/l #	44
11) Tert butyl alcohol	2.83	59	11450	36.551	ug/l	96
14) Allyl chloride	2.44	41	957	0.428	ug/l #	64
15) Acrylonitrile	3.00	53	1248	1.531	ug/l #	24
16) Acetone	2.32	43	3515	4.000	ug/l	98
18) Methyl Acetate	2.44	43	2389	1.192	ug/l #	56
19) Methyl tert-butyl Ether	3.00	73	98913	26.233	ug/l	98
25) 2-Butanone	4.23	43	605	0.505	ug/l #	54
31) Cyclohexane	4.99	56	2089	0.641	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	8089	4.641	ug/l #	50
37) Ethyl Acetate	4.23	43	605	0.269	ug/l #	70
38) Carbon Tetrachloride	4.99	117	9351	5.939	ug/l #	19
43) Isopropyl Acetate	5.54	43	12785	3.654	ug/l #	63
48) Methyl methacrylate	6.59	41	683	0.393	ug/l #	21
51) 4-Methyl-2-Pentanone	7.57	43	1290	0.567	ug/l #	1
56) Ethyl methacrylate	7.92	69	20	2.280	ug/l #	1
59) 2-Hexanone	8.16	43	1091	0.619	ug/l #	59
76) 1,2,3-Trichloropropane	10.31	75	42307	23.994	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	42307	62.796	ug/l #	100
95) Naphthalene	13.80	128	66	1.672	ug/l #	69

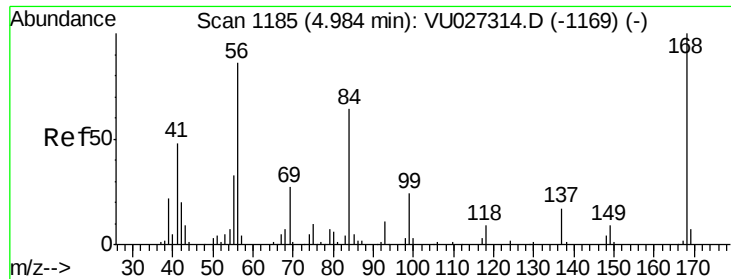
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampleId :

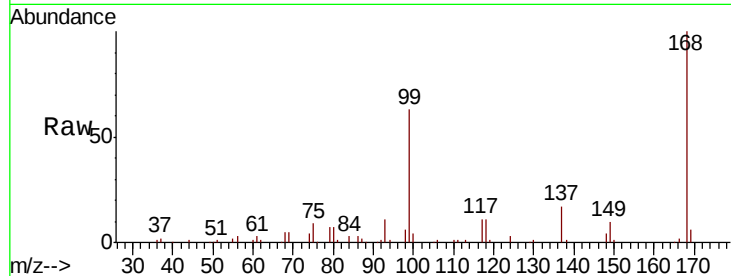
MW-6

Tgt Ion:168 Resp: 89086

Ion Ratio Lower Upper

168 100

99 63.2 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

40000

30000

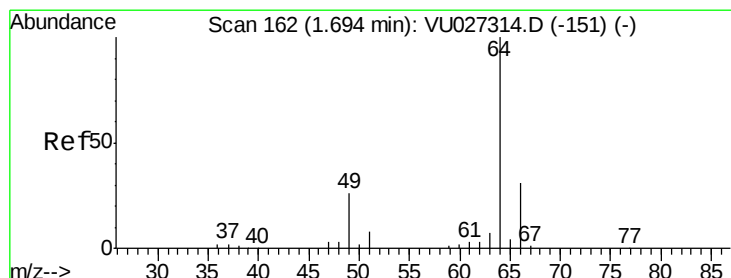
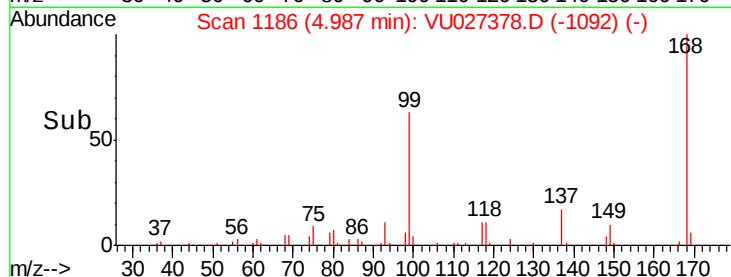
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#6

Chloroethane

Concen: 0.323 ug/l

RT: 1.74 min Scan# 177

Delta R.T. 0.05 min

Lab File: VU027378.D

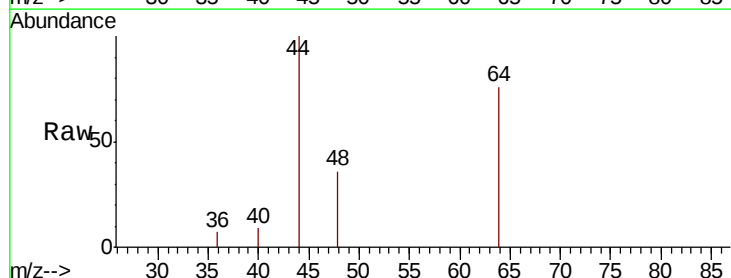
Acq: 04 Oct 2018 00:12

Tgt Ion: 64 Resp: 317

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)

1.74

1500

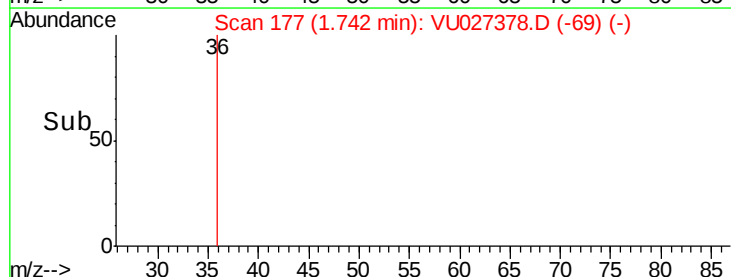
1000

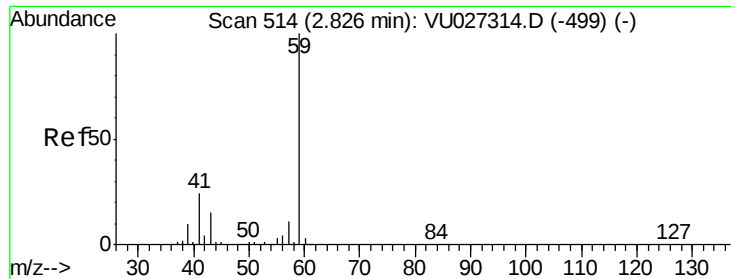
500

0

1.74 1.76

Time-->



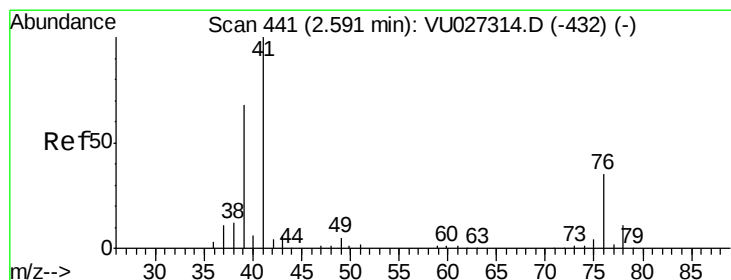
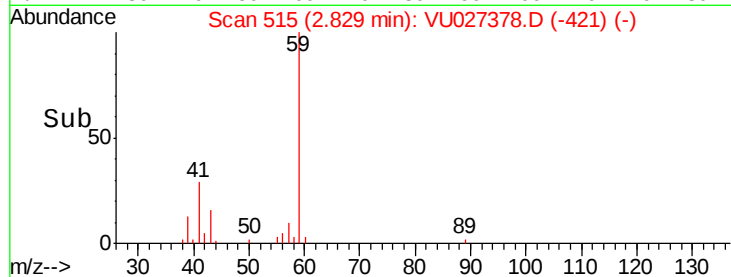
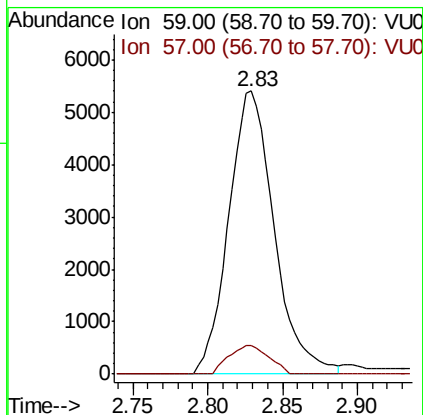
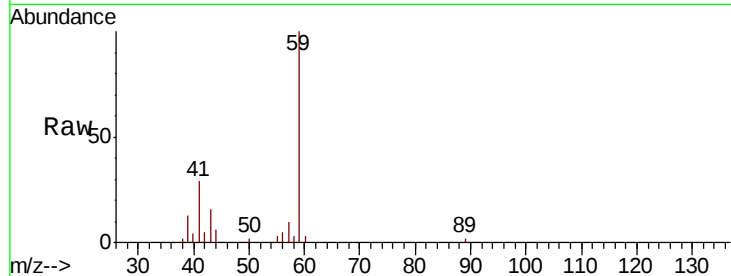


#11

Tert butyl alcohol
 Concen: 36.551 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: VU027378.D
 Acq: 04 Oct 2018 00:12

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-6

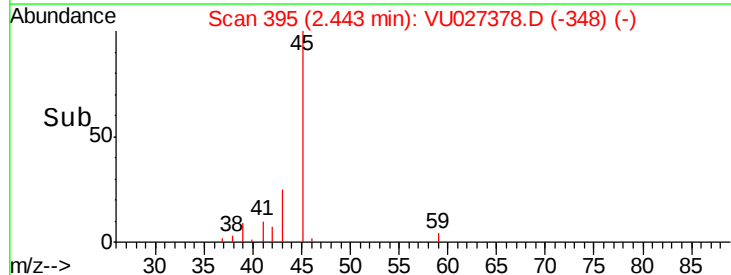
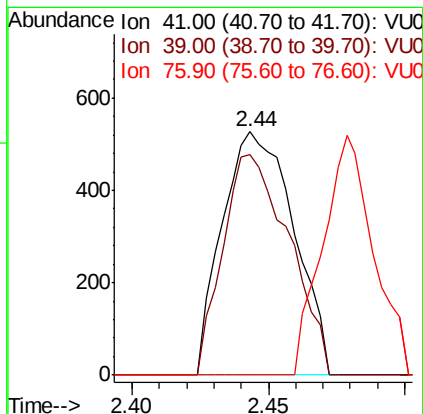
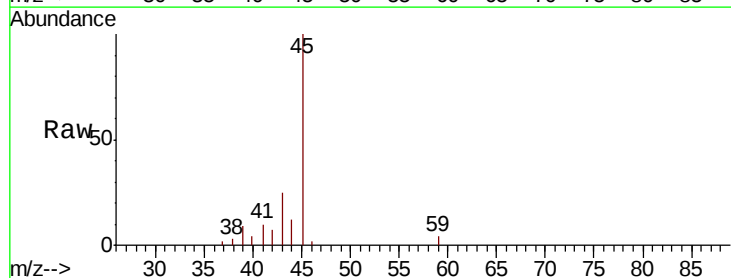
Tgt Ion: 59 Resp: 11450
 Ion Ratio Lower Upper
 59 100
 57 8.9 8.4 12.6

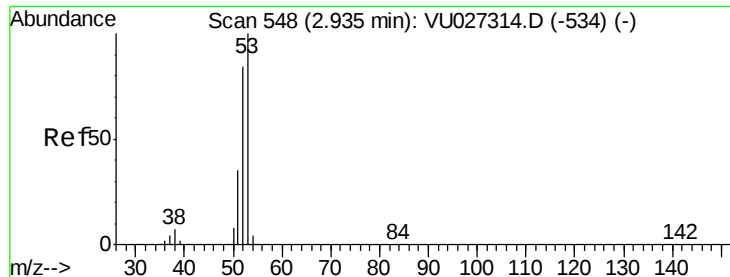


#14

Allyl chloride
 Concen: 0.428 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027378.D
 Acq: 04 Oct 2018 00:12

Tgt Ion: 41 Resp: 957
 Ion Ratio Lower Upper
 41 100
 39 84.5 51.8 77.8#
 76 0.0 25.9 38.9#





#15

Acrylonitrile

Concen: 1.531 ug/l

RT: 3.00 min Scan# 569

Delta R.T. 0.07 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampled :

MW-6

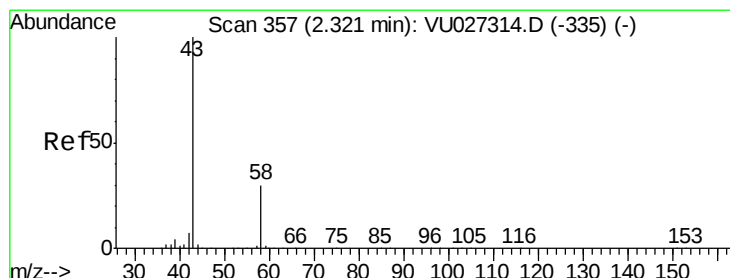
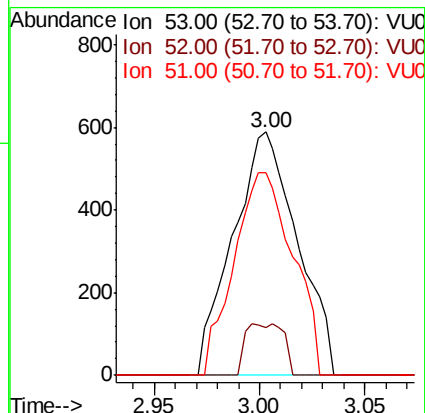
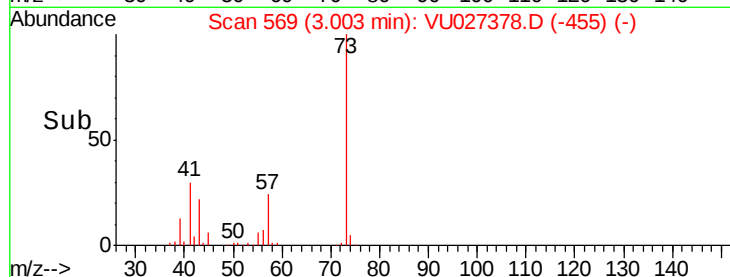
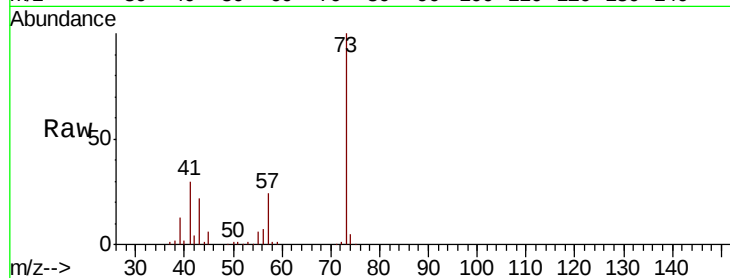
Tgt Ion: 53 Resp: 1248

Ion Ratio Lower Upper

53 100

52 12.6 66.5 99.7#

51 76.1 27.6 41.4#



#16

Acetone

Concen: 4.000 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027378.D

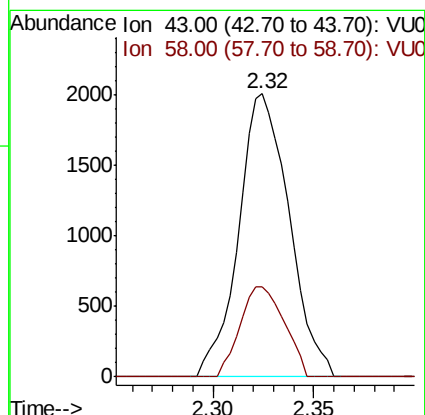
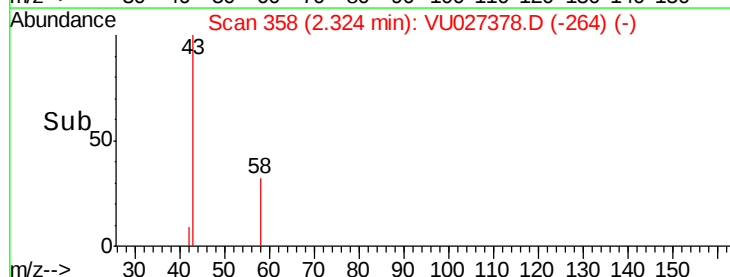
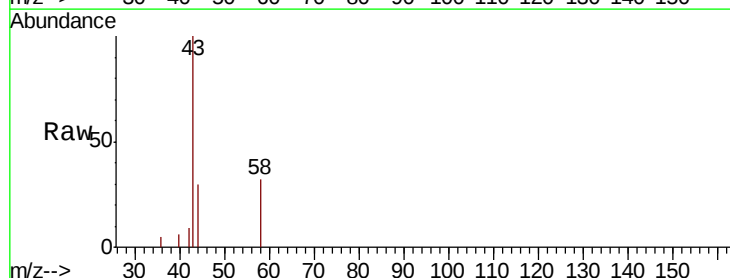
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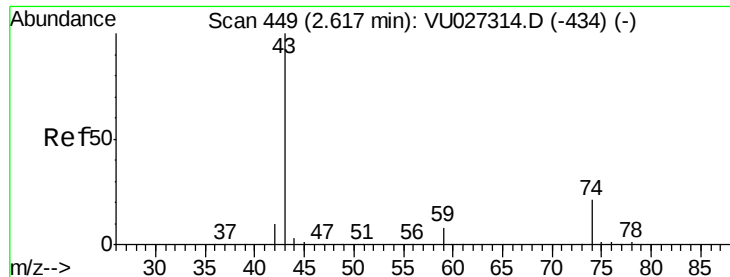
Tgt Ion: 43 Resp: 3515

Ion Ratio Lower Upper

43 100

58 31.7 24.2 36.4

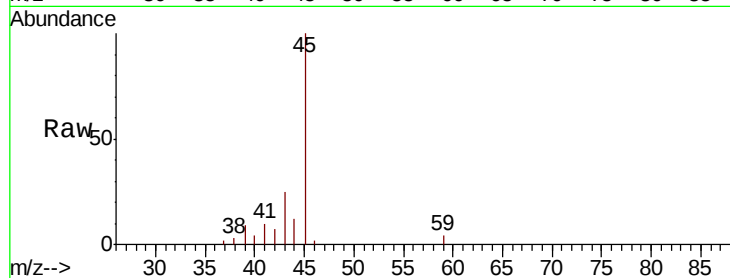




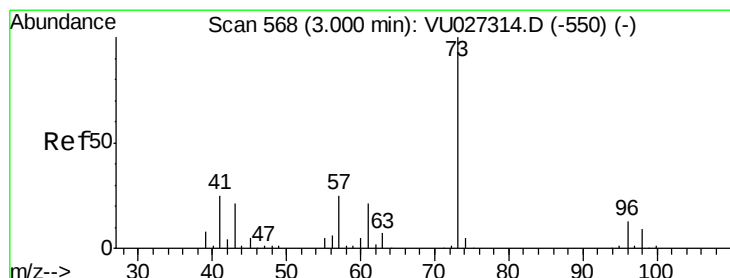
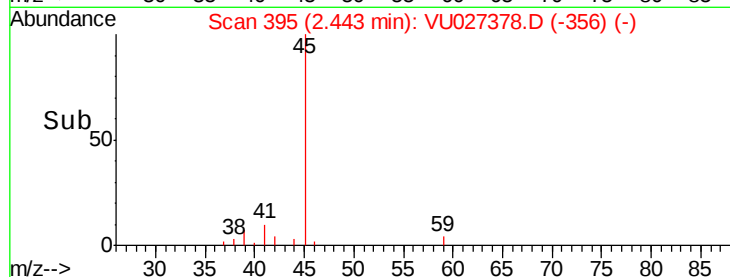
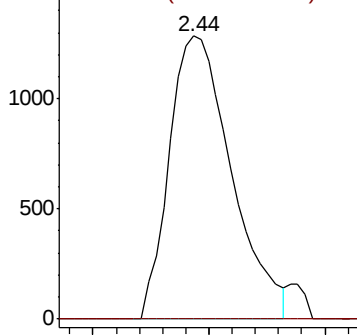
#18
Methyl Acetate
Concen: 1.192 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Instrument :
MSVOA_U
ClientSampled :
MW-6

Tgt Ion: 43 Resp: 2389
Ion Ratio Lower Upper
43 100
74 0.0 16.5 24.7#

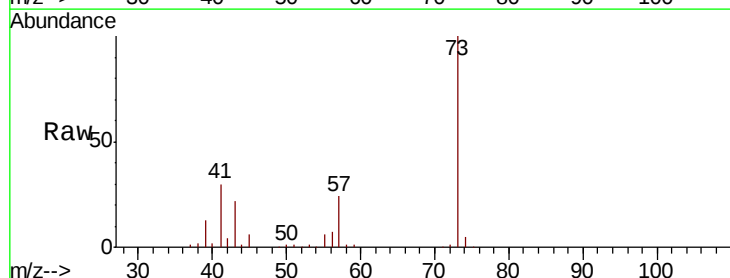


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

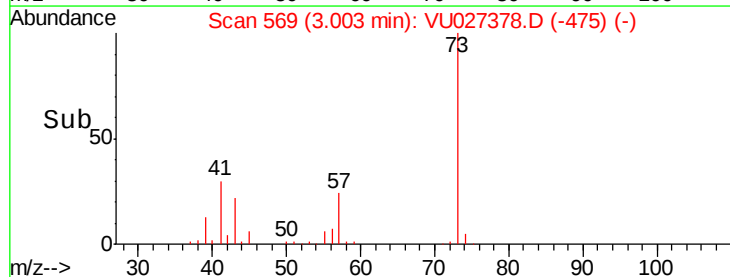
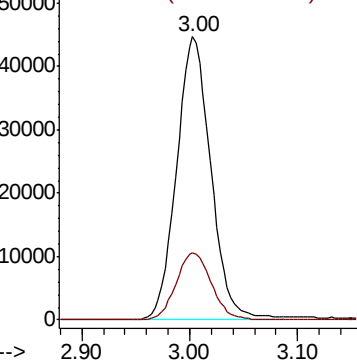


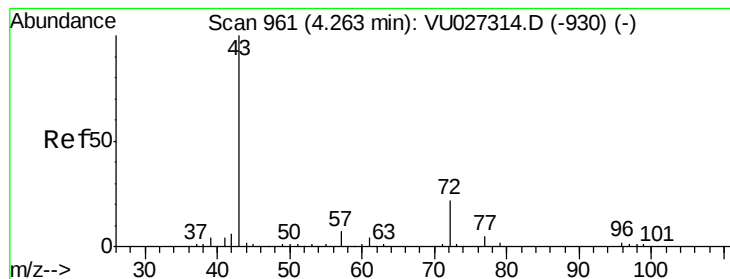
#19
Methyl tert-butyl Ether
Concen: 26.233 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Tgt Ion: 73 Resp: 98913
Ion Ratio Lower Upper
73 100
57 23.8 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

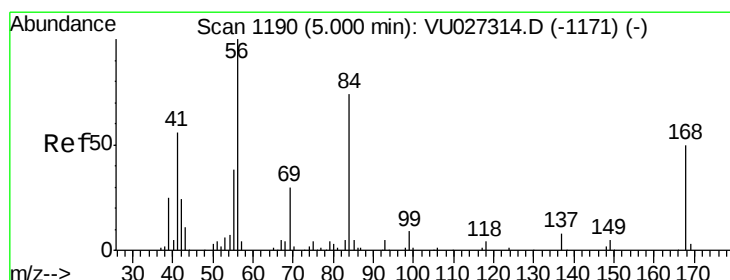
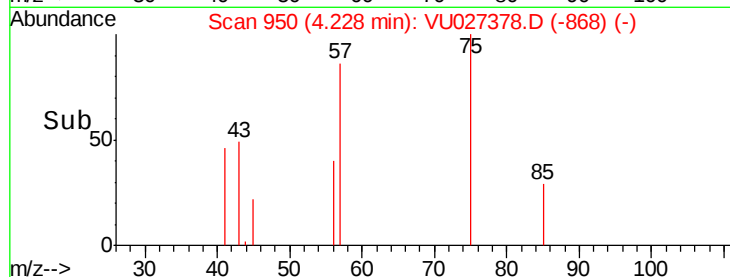
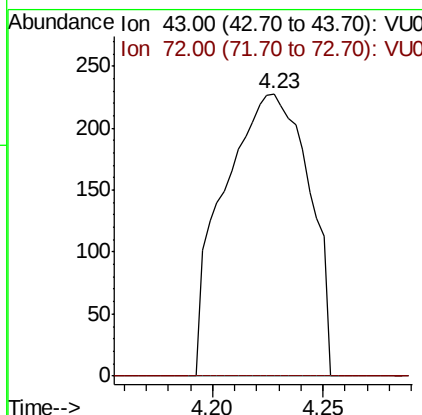
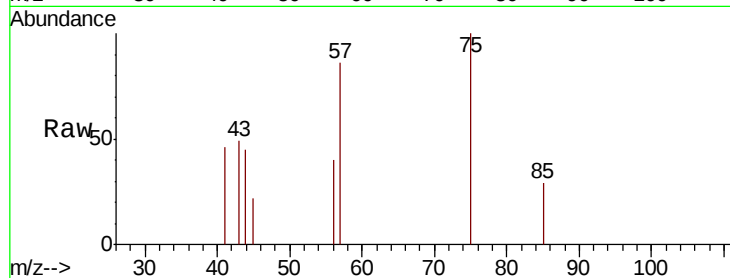




#25
 2-Butanone
 Concen: 0.505 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.04 min
 Lab File: VU027378.D
 Acq: 04 Oct 2018 00:12

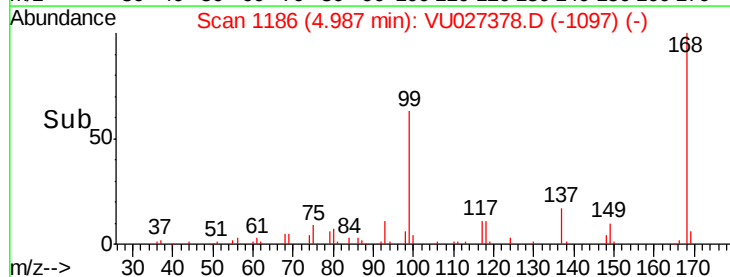
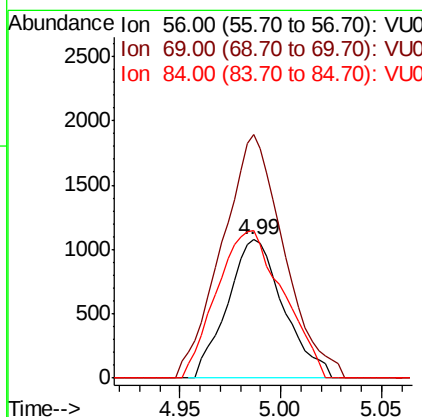
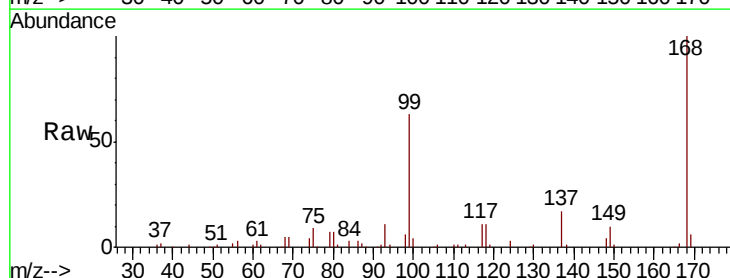
Instrument :
 MSVOA_U
 ClientSampled :
 MW-6

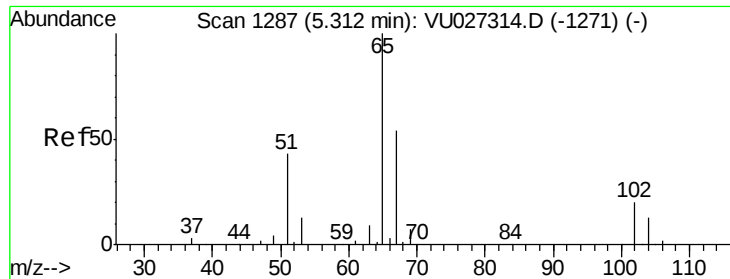
Tgt Ion: 43 Resp: 605
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.8 26.6#



#31
 Cyclohexane
 Concen: 0.641 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VU027378.D
 Acq: 04 Oct 2018 00:12

Tgt Ion: 56 Resp: 2089
 Ion Ratio Lower Upper
 56 100
 69 165.8 24.1 36.1#
 84 106.9 59.1 88.7#





#33

1,2-Dichloroethane-d4

Concen: 64.134 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampleId :

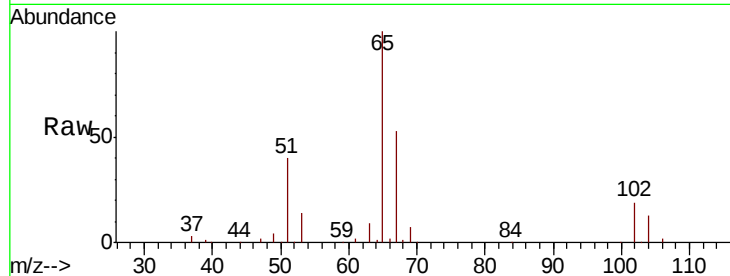
MW-6

Tgt Ion: 65 Resp: 95405

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

40000

30000

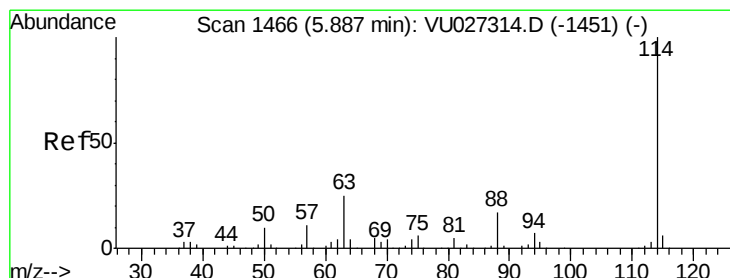
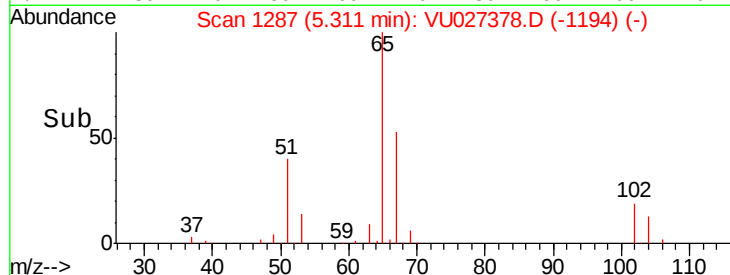
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10000

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Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

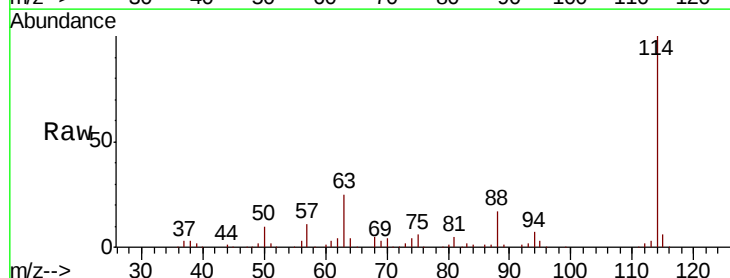
Tgt Ion: 114 Resp: 160535

Ion Ratio Lower Upper

114 100

63 24.7 0.0 50.2

88 17.2 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

5.89

100000

80000

60000

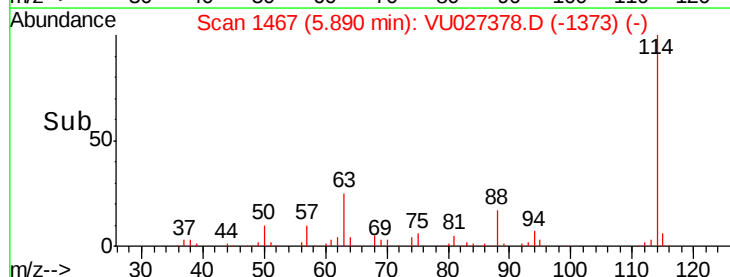
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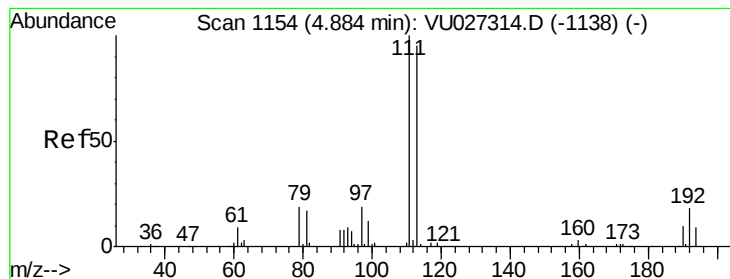
20000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 60.866 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampleId :

MW-6

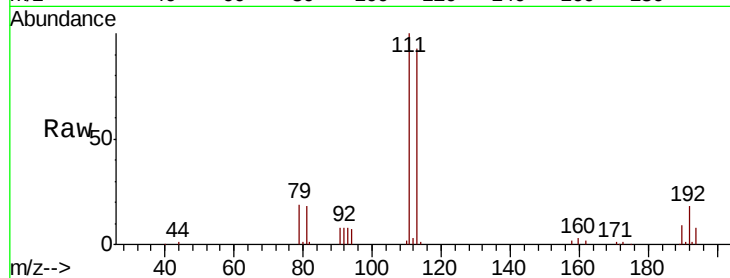
Tgt Ion:113 Resp: 66964

Ion Ratio Lower Upper

113 100

111 104.3 83.1 124.7

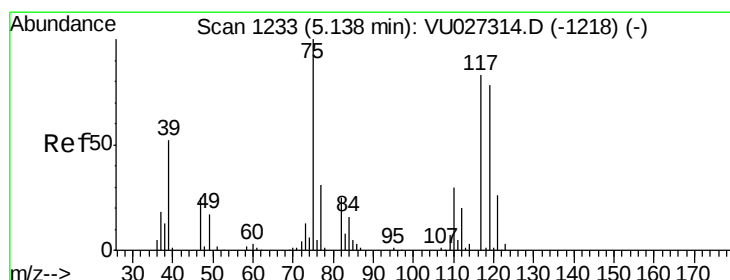
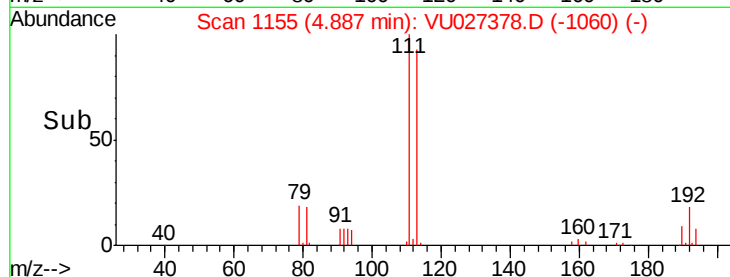
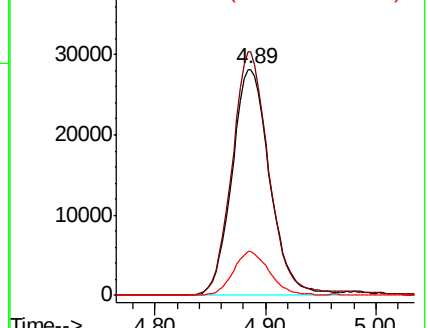
192 18.7 15.4 23.0



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: 4.641 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

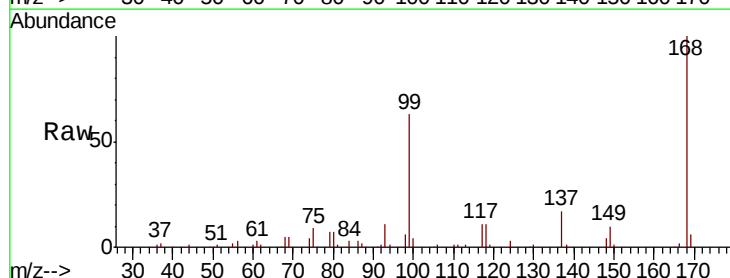
Tgt Ion: 75 Resp: 8089

Ion Ratio Lower Upper

75 100

110 7.2 15.5 46.5#

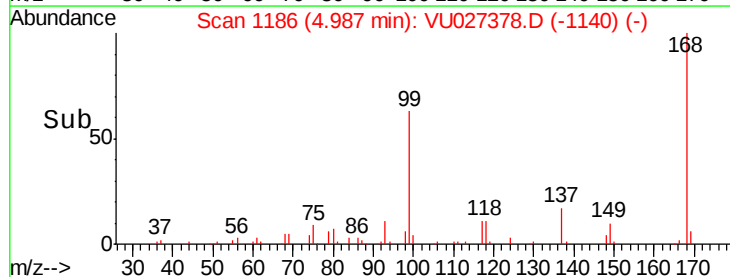
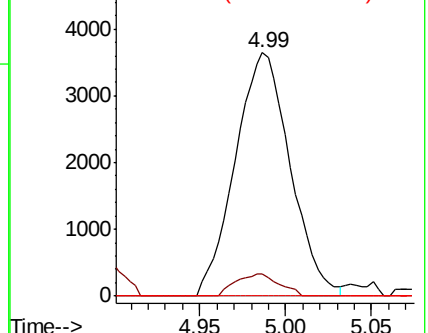
77 0.0 25.4 38.0#

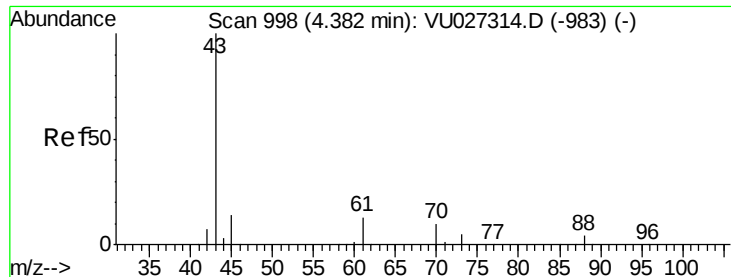


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

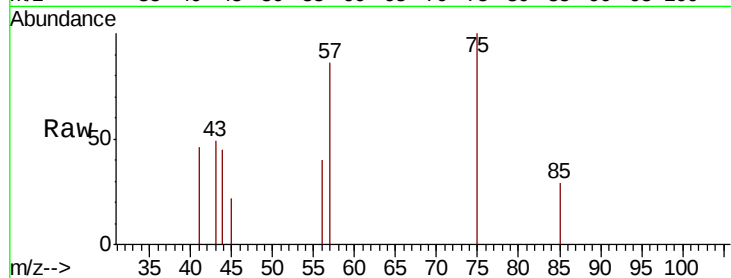




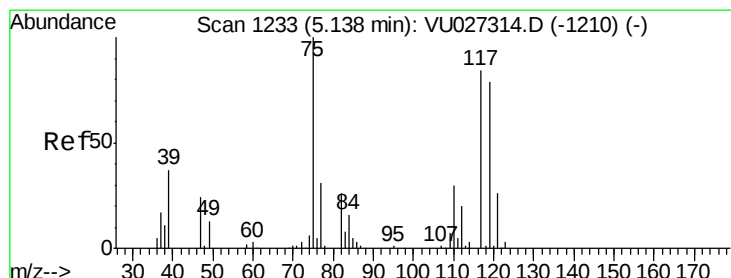
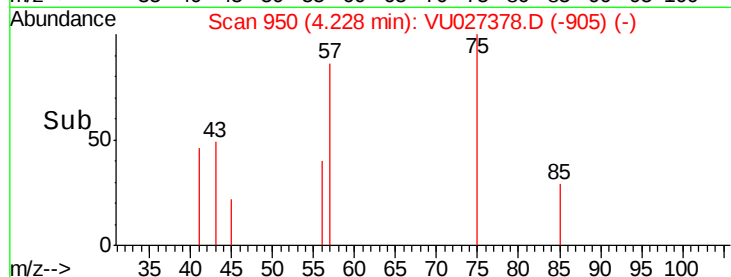
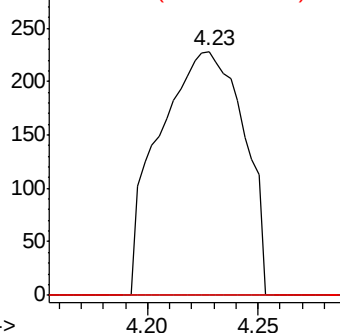
#37
Ethyl Acetate
Concen: 0.269 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.15 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Instrument :
MSVOA_U
ClientSampleId :
MW-6

Tgt Ion: 43 Resp: 605
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 7.4 11.2#

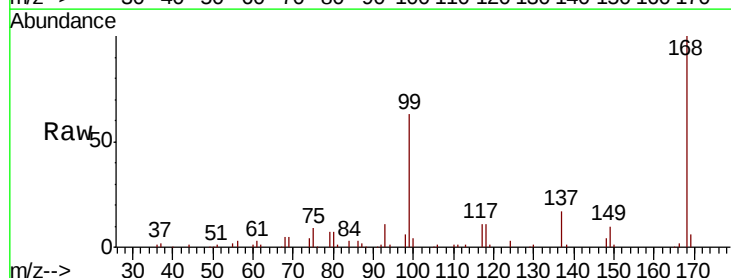


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

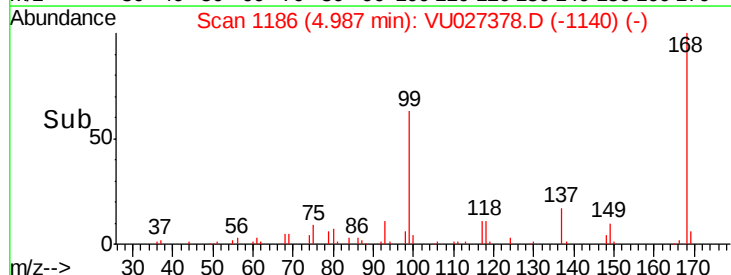
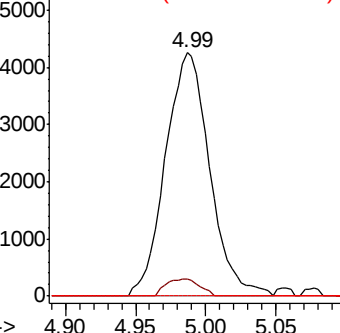


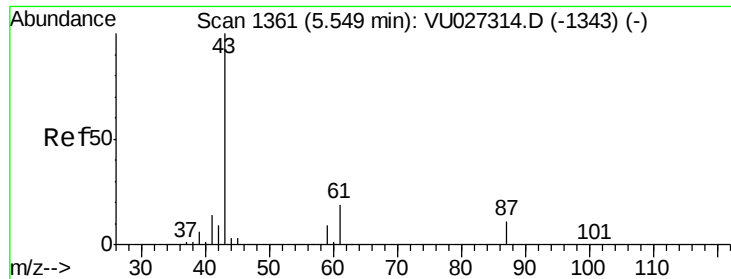
#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Tgt Ion: 117 Resp: 9351
Ion Ratio Lower Upper
117 100
119 7.2 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





#43

Isopropyl Acetate

Concen: 3.654 ug/l

RT: 5.54 min Scan# 1358

Delta R.T. -0.01 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampled :

MW-6

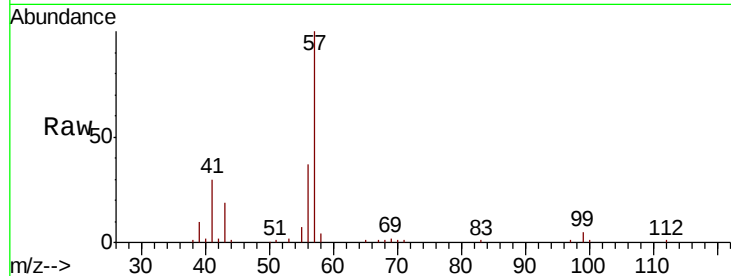
Tgt Ion: 43 Resp: 12785

Ion Ratio Lower Upper

43 100

61 0.0 15.3 22.9#

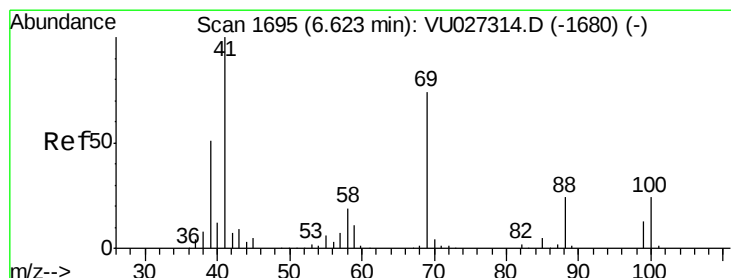
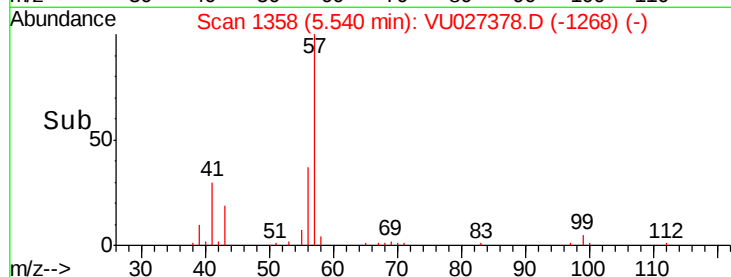
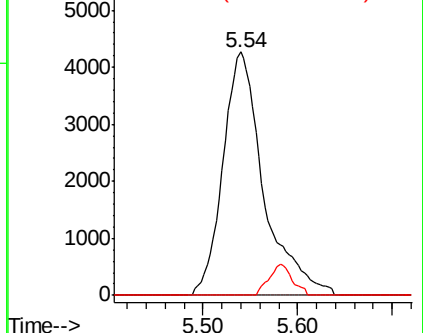
87 0.0 8.6 13.0#



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



#48

Methyl methacrylate

Concen: 0.393 ug/l

RT: 6.59 min Scan# 1684

Delta R.T. -0.04 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

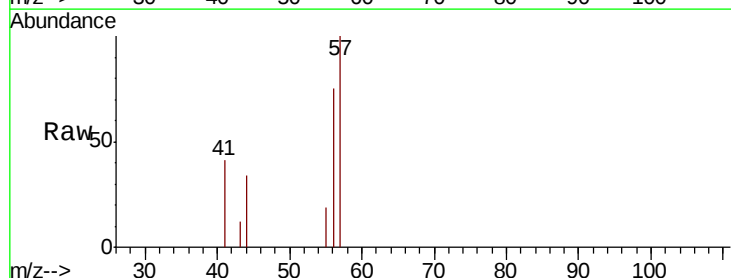
Tgt Ion: 41 Resp: 683

Ion Ratio Lower Upper

41 100

69 0.0 61.0 91.4#

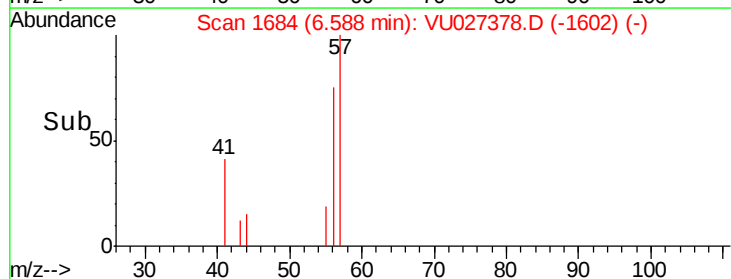
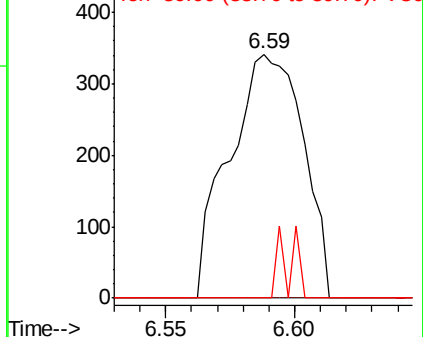
39 5.7 39.9 59.9#

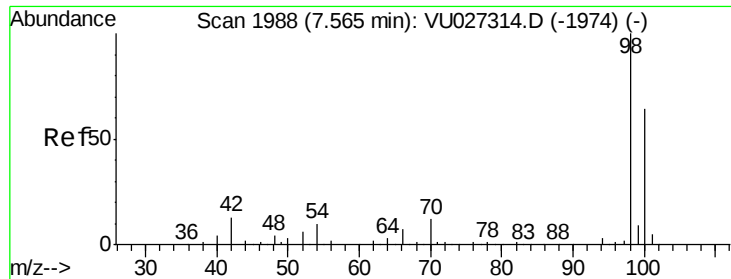


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

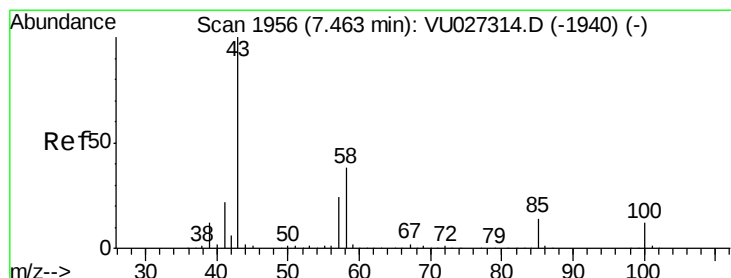
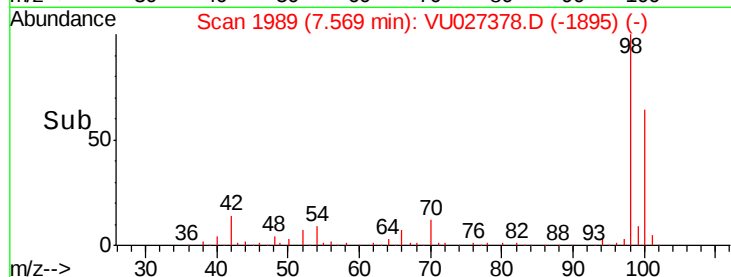
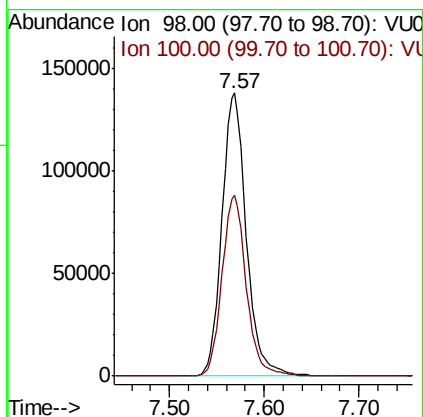
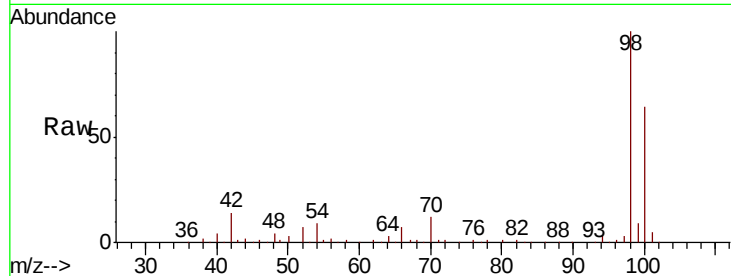




#50
Toluene-d8
Concen: 60.077 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

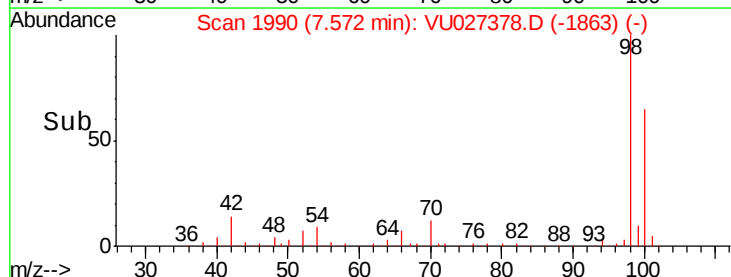
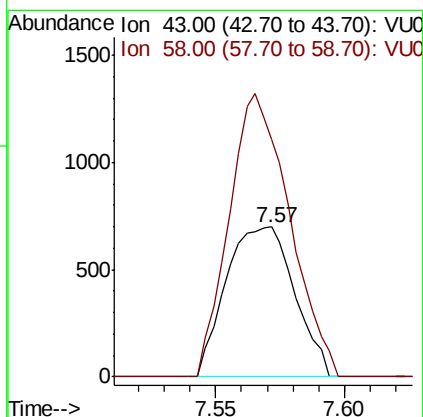
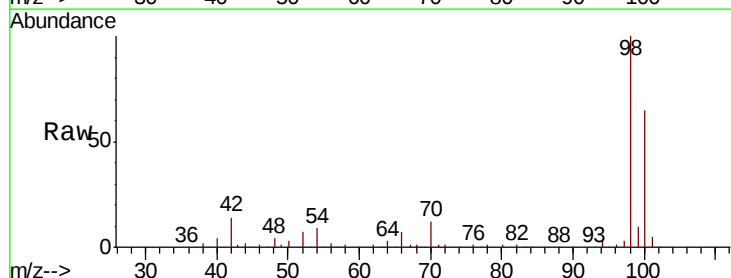
Instrument :
MSVOA_U
ClientSampled :
MW-6

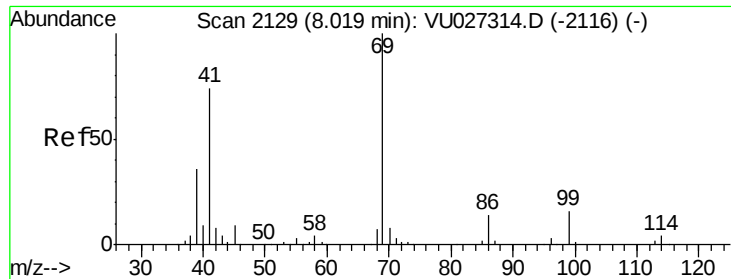
Tgt Ion: 98 Resp: 247378
Ion Ratio Lower Upper
98 100
100 63.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.567 ug/l
RT: 7.57 min Scan# 1990
Delta R.T. 0.11 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Tgt Ion: 43 Resp: 1290
Ion Ratio Lower Upper
43 100
58 167.3 29.8 44.8#

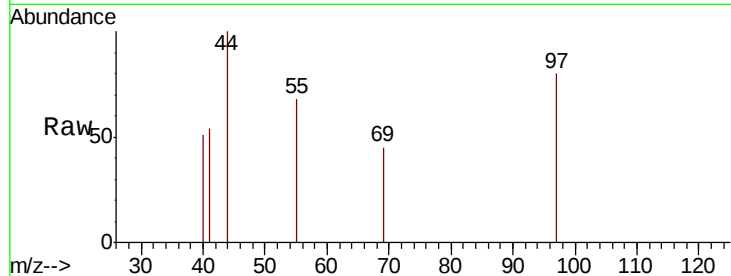




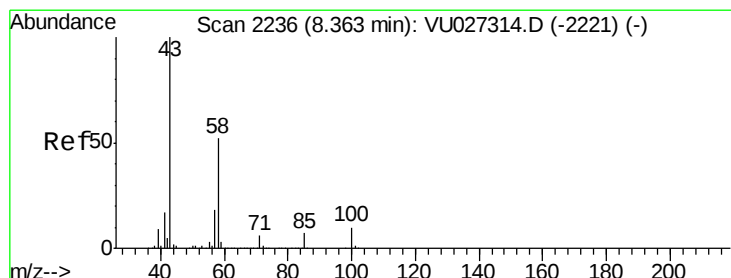
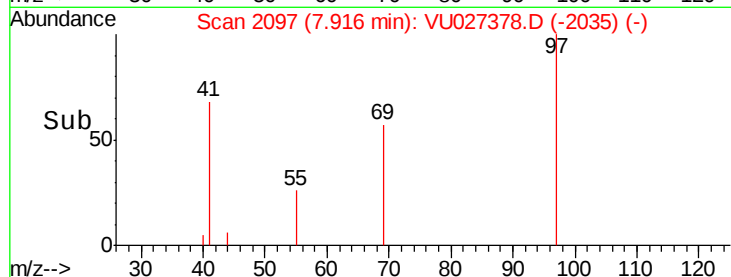
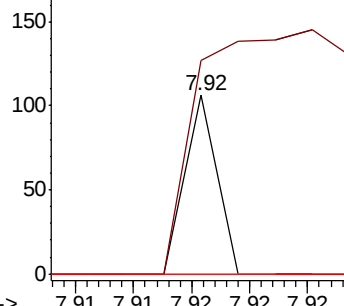
#56
Ethyl methacrylate
Concen: 2.280 ug/l
RT: 7.92 min Scan# 2097
Delta R.T. -0.10 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Instrument :
MSVOA_U
ClientSampleId :
MW-6

Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 655.0 60.0 90.0#
39 0.0 29.5 44.3#

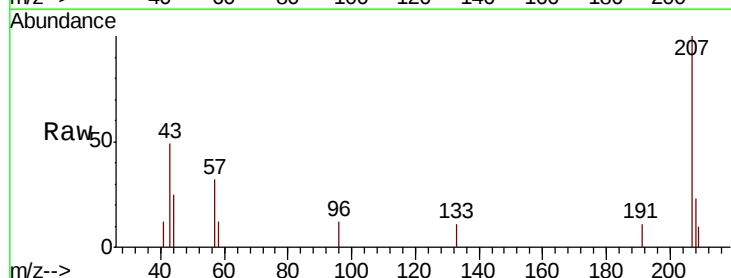


Abundance Ion 69.00 (68.70 to 69.70): VU0
Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

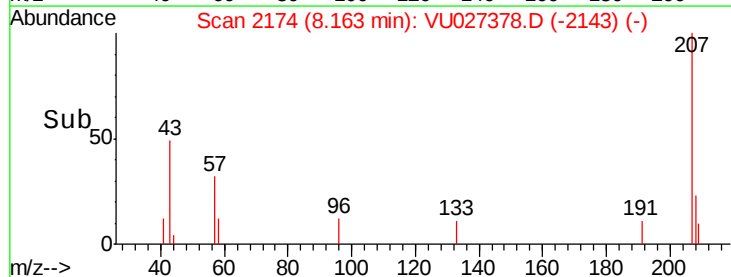
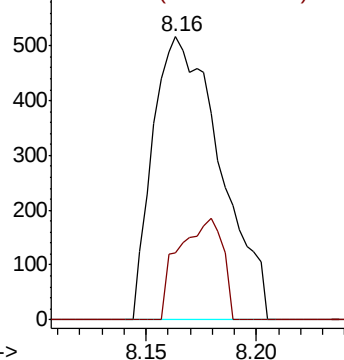


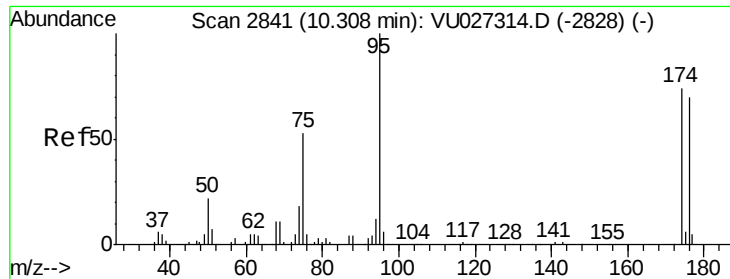
#59
2-Hexanone
Concen: 0.619 ug/l
RT: 8.16 min Scan# 2174
Delta R.T. -0.20 min
Lab File: VU027378.D
Acq: 04 Oct 2018 00:12

Tgt Ion: 43 Resp: 1091
Ion Ratio Lower Upper
43 100
58 23.5 26.1 78.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#62

4-Bromofluorobenzene

Concen: 51.086 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampled :

MW-6

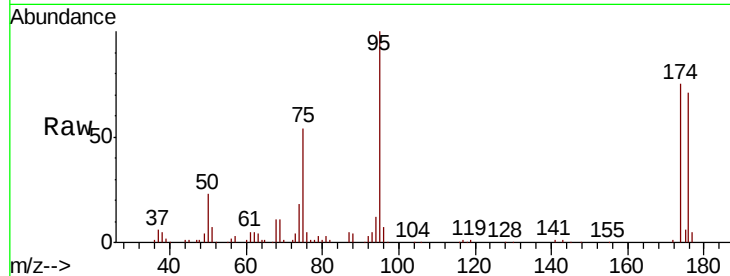
Tgt Ion: 95 Resp: 78176

Ion Ratio Lower Upper

95 100

174 75.8 0.0 147.8

176 71.8 0.0 140.8

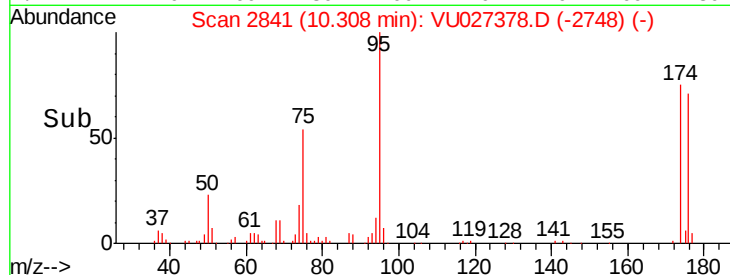


Abundance Ion 94.90 (94.60 to 95.60): VU027314.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU027314.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU027314.D (-2828) (-)

Time-->

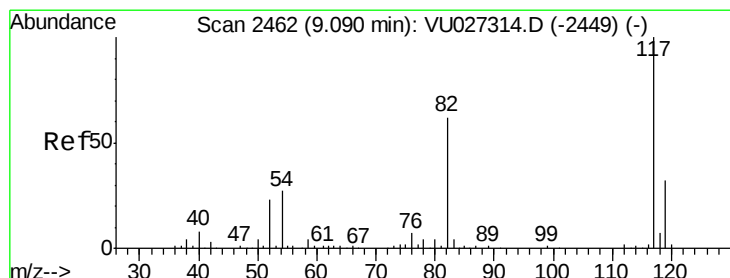


Abundance Ion 94.90 (94.60 to 95.60): VU027378.D (-2748) (-)

Ion 173.80 (173.50 to 174.50): VU027378.D (-2748) (-)

Ion 175.80 (175.50 to 176.50): VU027378.D (-2748) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

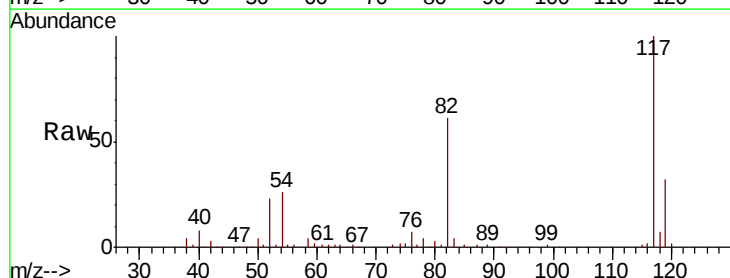
Tgt Ion: 117 Resp: 147711

Ion Ratio Lower Upper

117 100

82 61.4 49.2 73.8

119 31.7 25.7 38.5

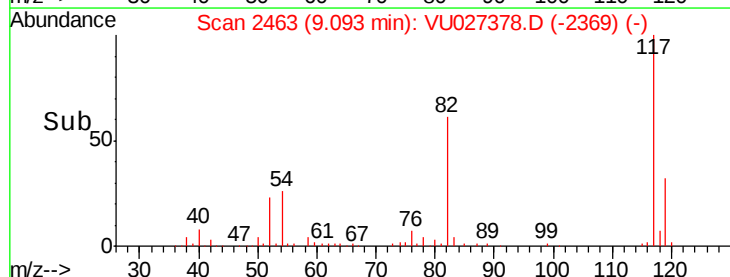


Abundance Ion 116.90 (116.60 to 117.60): VU027314.D (-2449) (-)

Ion 82.00 (81.70 to 82.70): VU027314.D (-2449) (-)

Ion 118.90 (118.60 to 119.60): VU027314.D (-2449) (-)

Time-->

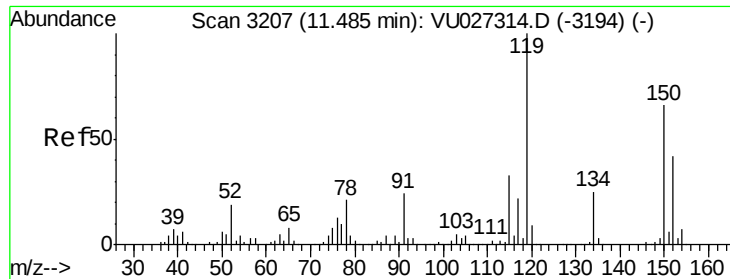


Abundance Ion 116.90 (116.60 to 117.60): VU027378.D (-2369) (-)

Ion 82.00 (81.70 to 82.70): VU027378.D (-2369) (-)

Ion 118.90 (118.60 to 119.60): VU027378.D (-2369) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampleId :

MW-6

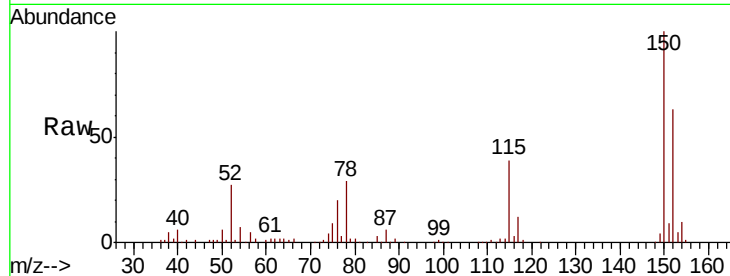
Tgt Ion:152 Resp: 68019

Ion Ratio Lower Upper

152 100

115 61.2 43.4 130.2

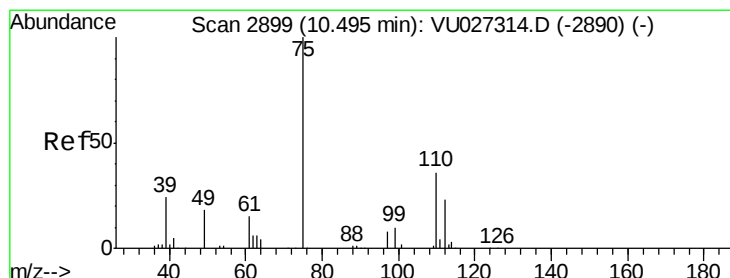
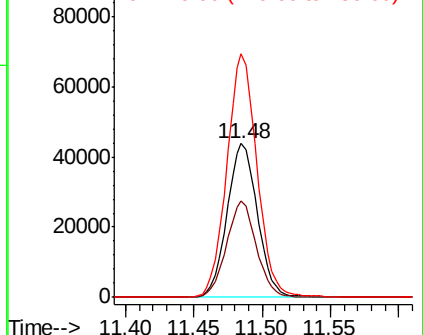
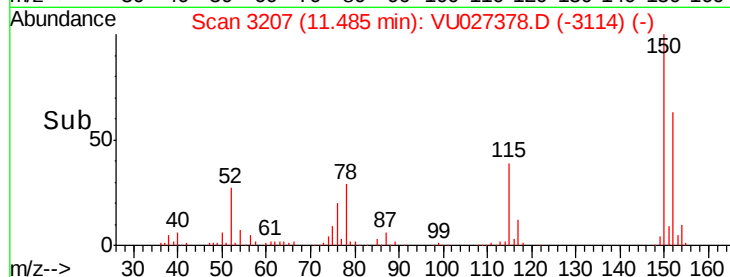
150 156.9 0.0 349.2



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



#76

1,2,3-Trichloropropane

Concen: 23.994 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027378.D

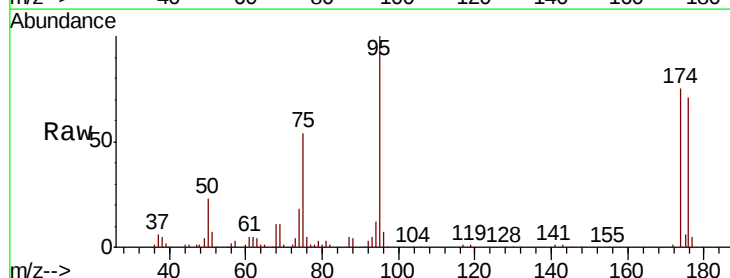
Acq: 04 Oct 2018 00:12

Tgt Ion: 75 Resp: 42307

Ion Ratio Lower Upper

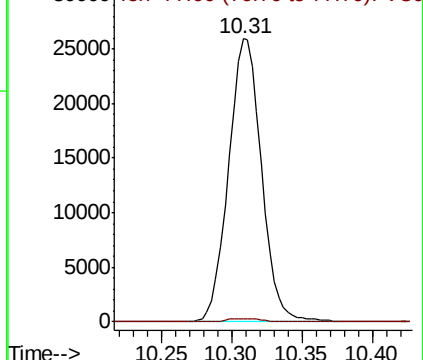
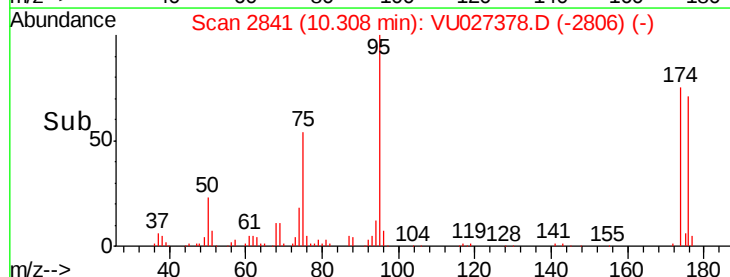
75 100

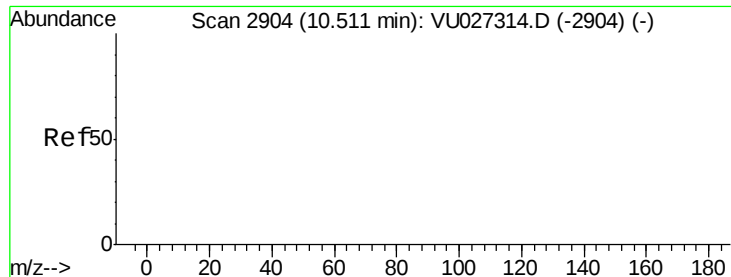
77 1.2 20.3 60.9#



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: 62.796 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

Instrument :

MSVOA_U

ClientSampleId :

MW-6

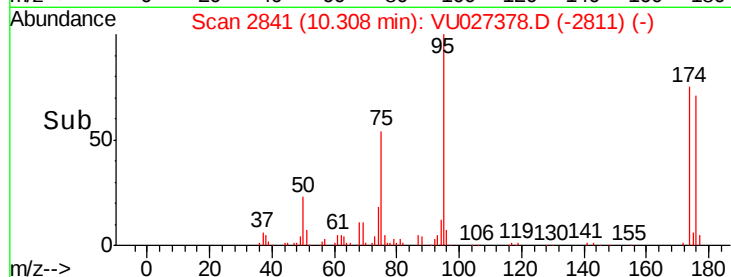
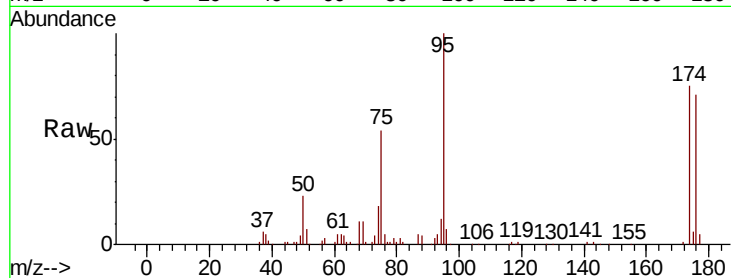
Tgt Ion: 75 Resp: 42307

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

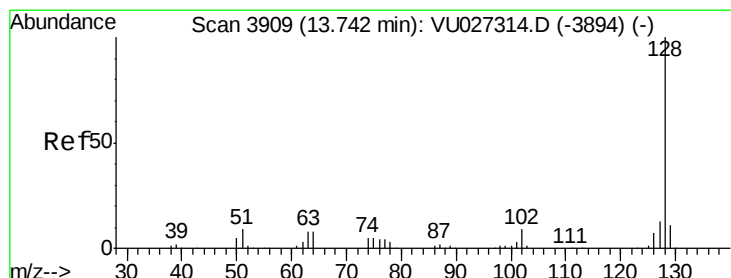
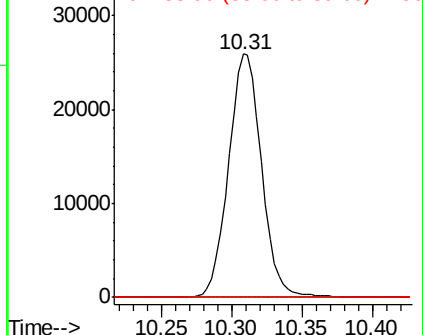
89 0.0 0.0 0.0



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



#95

Naphthalene

Concen: 1.672 ug/l

RT: 13.80 min Scan# 3927

Delta R.T. 0.06 min

Lab File: VU027378.D

Acq: 04 Oct 2018 00:12

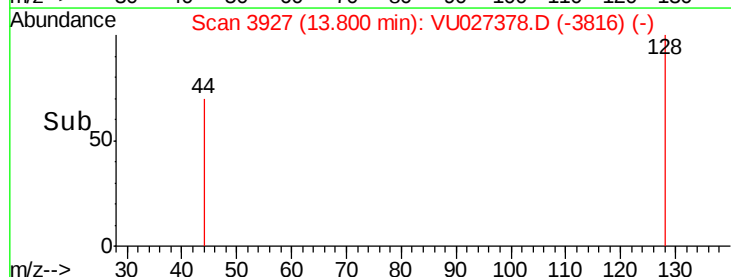
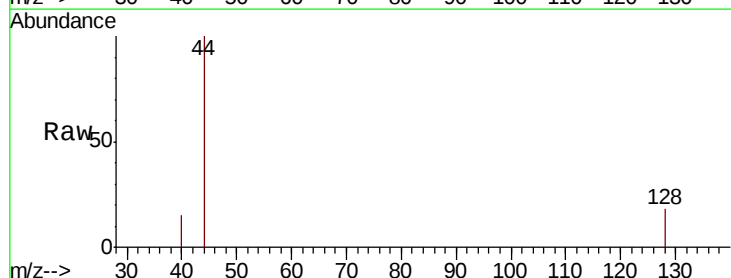
Tgt Ion: 128 Resp: 66

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

