

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU110918\
 Data File : VU028047.D
 Acq On : 09 Nov 2018 16:09
 Operator : MD/SY
 Sample : J5885-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

Quant Time: Nov 12 06:16:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	205696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	399906	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	390680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	184163	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	172829	56.51	ug/l	0.00
Spiked Amount			Recovery	=	113.02%	
35) Dibromofluoromethane	4.89	113	127555	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	7.57	98	533572	54.78	ug/l	0.00
Spiked Amount			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	10.31	95	195320	54.37	ug/l	0.00
Spiked Amount			Recovery	=	108.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.41	50	5468	1.730	ug/l #	47
4) Vinyl Chloride	1.41	62	950797	303.052	ug/l	99
6) Chloroethane	1.41	64	258036	142.719	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.30	101	6779	3.148	ug/l	98
11) Tert butyl alcohol	2.83	59	568	0.702	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	9414	4.367	ug/l	99
13) Acrolein	2.20	56	21	Below Cal	#	1
15) Acrylonitrile	3.01	53	1527	0.768	ug/l #	17
16) Acetone	2.32	43	3367	1.775	ug/l #	84
18) Methyl Acetate	2.44	43	18745	3.591	ug/l #	58
19) Methyl tert-butyl Ether	3.01	73	130200	14.976	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	38784	15.589	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	8040627	2882.059	ug/l	90
30) Chloroform	4.68	83	3256	0.655	ug/l	94
31) Cyclohexane	4.99	56	6157	Below Cal	#	1
32) 1,1,1-Trichloroethane	4.91	97	1391	0.352	ug/l #	37
36) 1,1-Dichloropropene	4.99	75	18014	4.301	ug/l #	49
38) Carbon Tetrachloride	4.99	117	21572	5.812	ug/l #	16
39) Methylcyclohexane	6.42	83	1053	0.208	ug/l	88
43) Isopropyl Acetate	5.58	43	3688	0.384	ug/l #	28
44) Trichloroethene	6.19	130	1278478	464.468	ug/l	100
45) 1,2-Dichloropropane	6.19	63	4788	1.297	ug/l #	1
52) Toluene	7.64	92	6360	0.845	ug/l	96
55) 1,1,2-Trichloroethane	8.29	97	1170733	382.242	ug/l #	8
65) Chlorobenzene	9.13	112	5430	0.658	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.21	131	6736	2.389	ug/l	99
69) o-Xylene	9.78	106	3907	0.702	ug/l	87
73) Isopropylbenzene	10.17	105	9861	0.691	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	102242	20.297	ug/l #	35
80) 1,3,5-Trimethylbenzene	10.97	105	5357	0.453	ug/l	75
81) trans-1,4-Dichloro-2-buten	10.31	75	102242	50.673	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	1248	0.207	ug/l	89
88) 1,4-Dichlorobenzene	11.42	146	1248	0.201	ug/l	89
90) Hexachloroethane	12.36	117	750	0.351	ug/l #	11

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QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

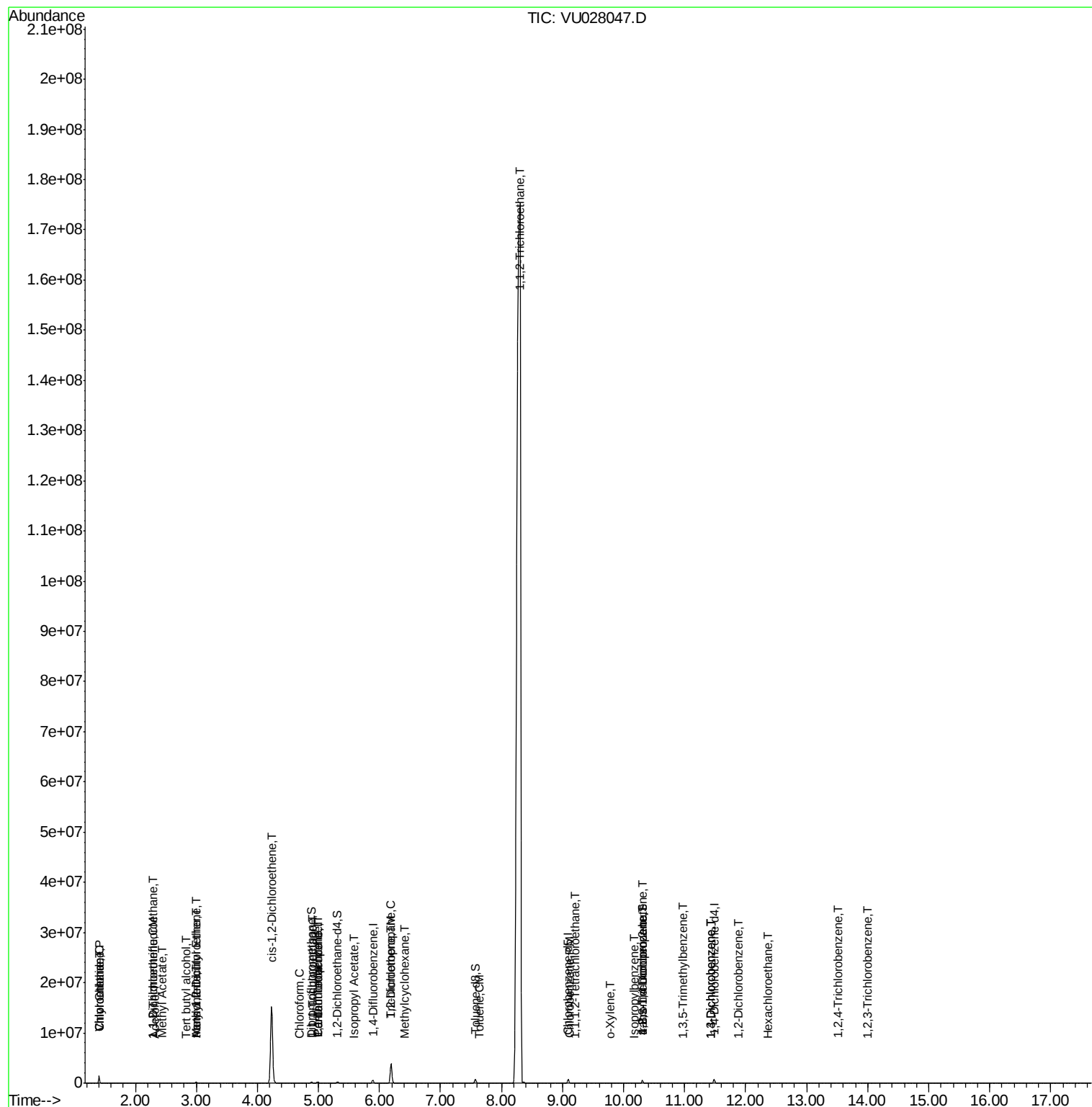
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	11.88	146	7696	1.266	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	17228	4.671	ug/l	94
95) Naphthalene	13.75	128	1010	Below Cal	#	72
96) 1,2,3-Trichlorobenzene	13.99	180	6298	1.544	ug/l	93

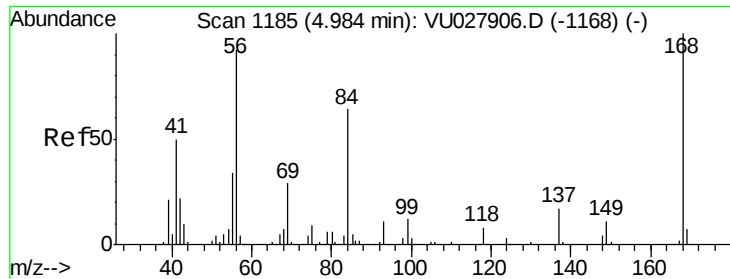
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

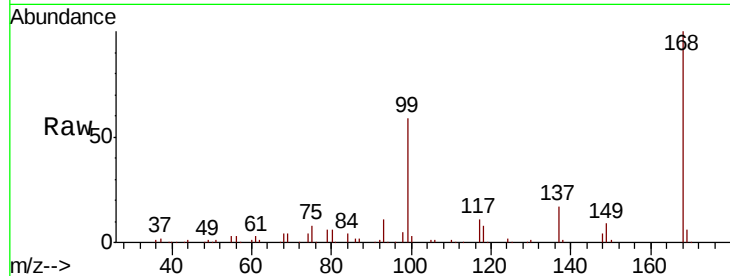
MW-5

Tot Ion:168 Resp: 205696

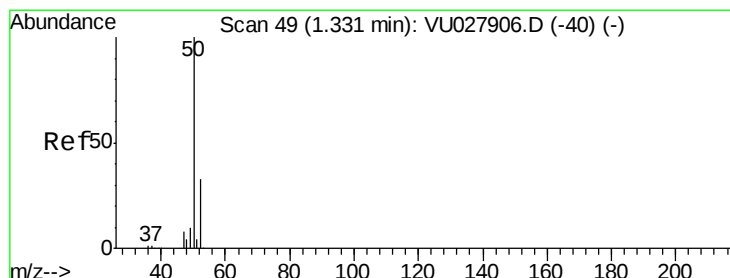
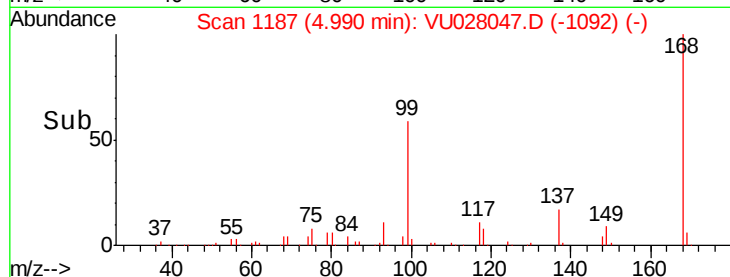
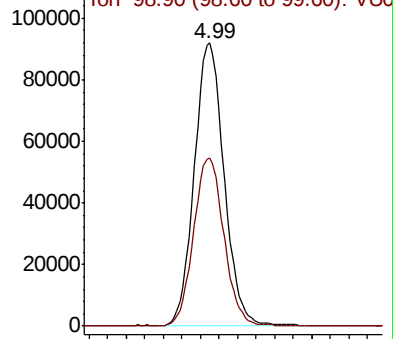
Ion Ratio Lower Upper

168 100

99 59.3 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)



#3

Chloromethane

Concen: 1.730 ug/l

RT: 1.41 min Scan# 72

Delta R.T. 0.07 min

Lab File: VU028047.D

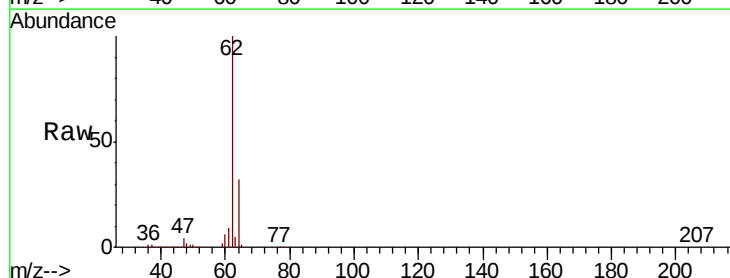
Acq: 09 Nov 2018 16:09

Tgt Ion: 50 Resp: 5468

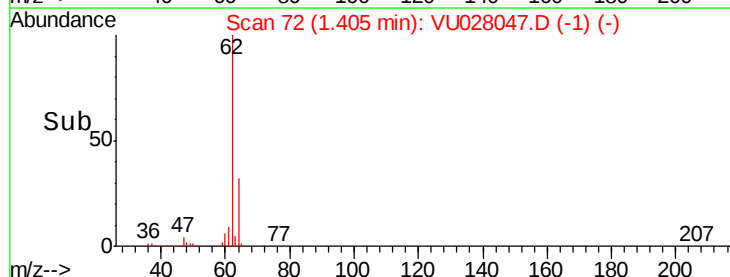
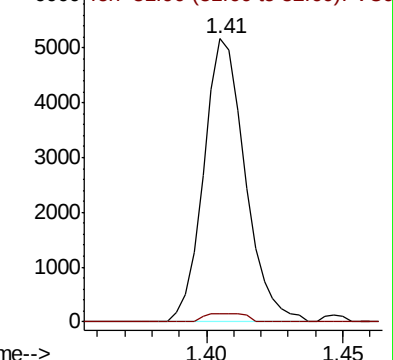
Ion Ratio Lower Upper

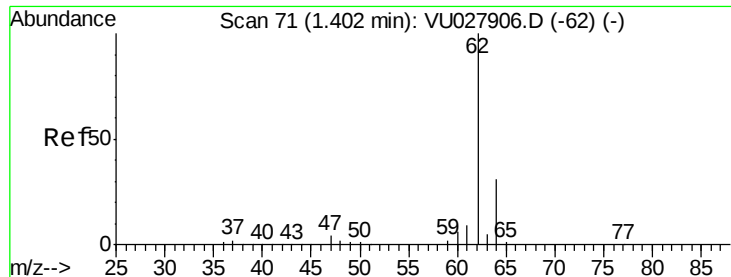
50 100

52 3.0 26.2 39.4#



Abundance Ion 49.90 (49.60 to 50.60): VU027906.D (-40) (-)





#4

Vinyl Chloride

Concen: 303.052 ug/l

RT: 1.41 min Scan# 73

Delta R.T. 0.01 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

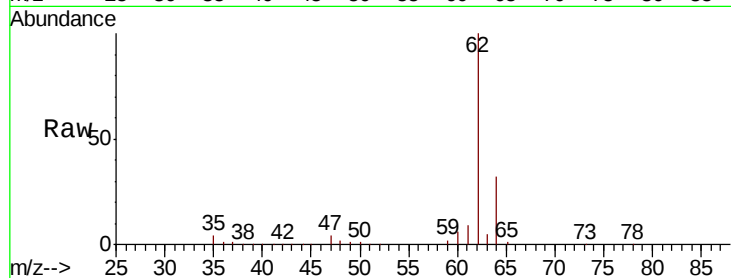
MW-5

Tot Ion: 62 Resp: 950797

Ion Ratio Lower Upper

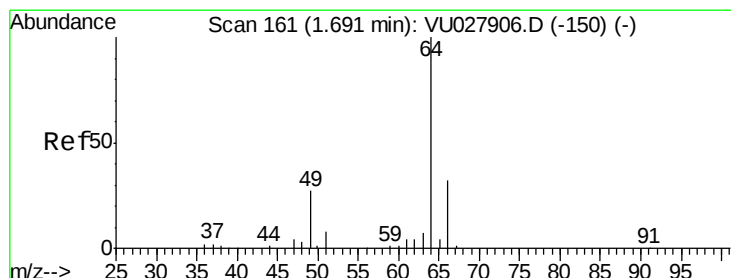
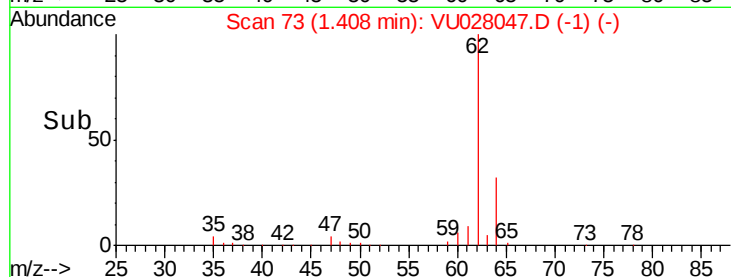
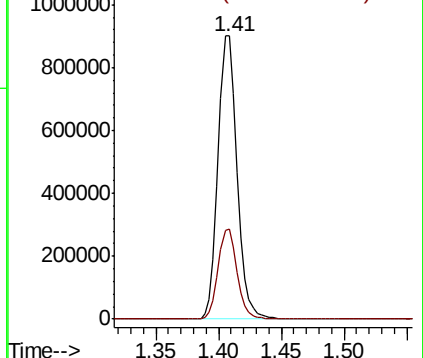
62 100

64 31.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#6

Chloroethane

Concen: 142.719 ug/l

RT: 1.41 min Scan# 73

Delta R.T. -0.28 min

Lab File: VU028047.D

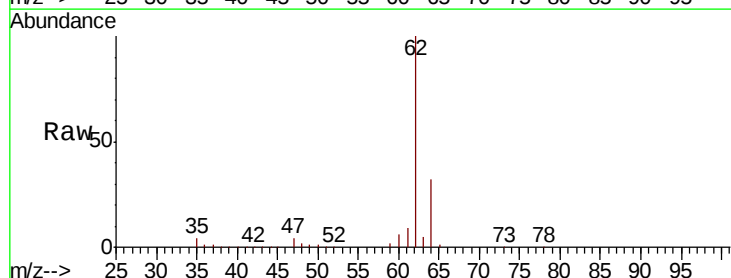
Acq: 09 Nov 2018 16:09

Tgt Ion: 64 Resp: 258036

Ion Ratio Lower Upper

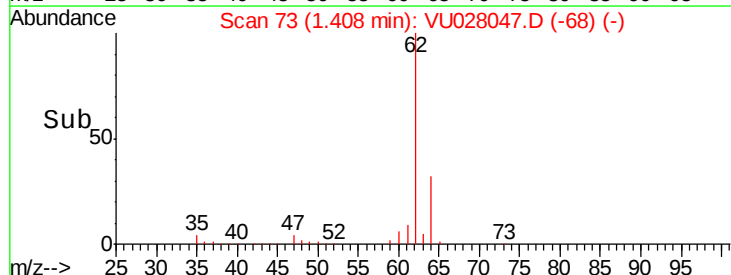
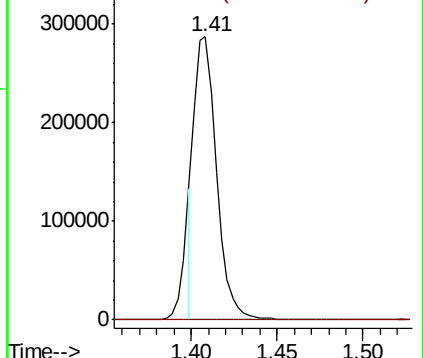
64 100

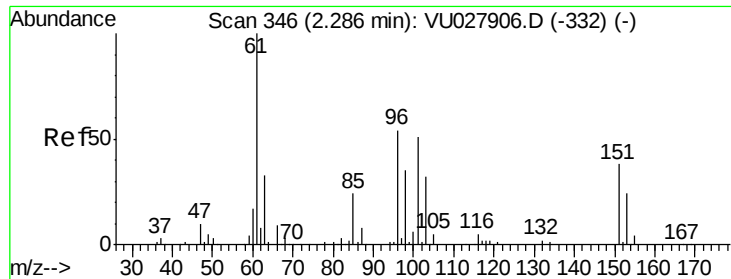
66 0.0 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.148 ug/l

RT: 2.30 min Scan# 349

Delta R.T. 0.01 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

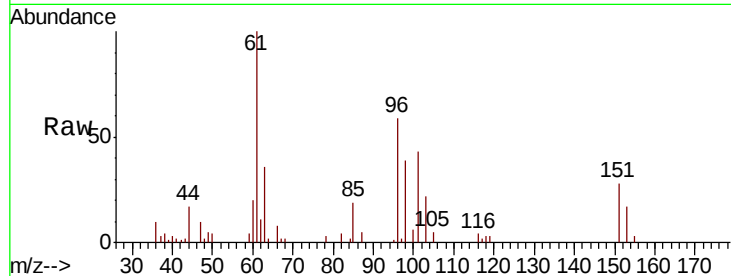
Tot Ion:101 Resp: 6779

Ion Ratio Lower Upper

101 100

85 44.5 36.9 55.3

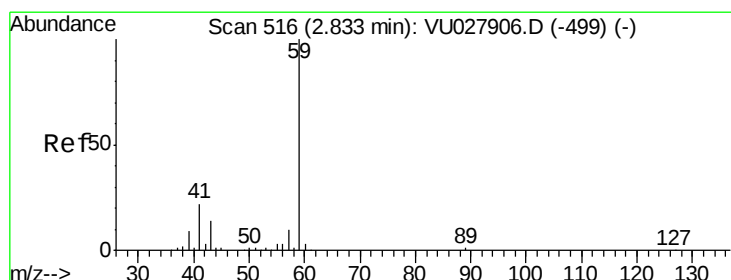
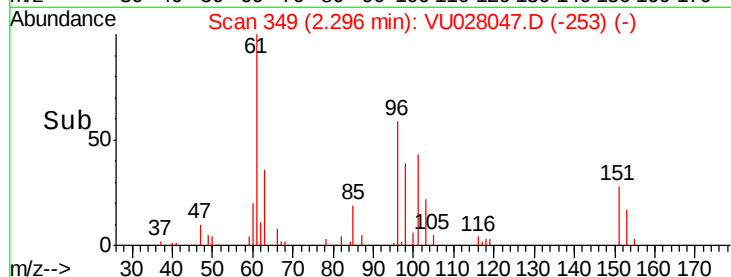
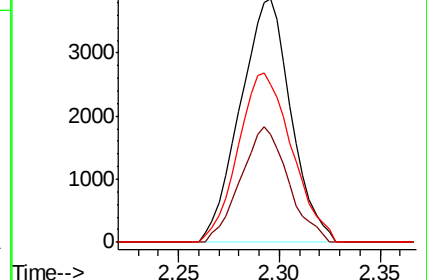
151 73.8 58.0 87.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VU0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.702 ug/l

RT: 2.83 min Scan# 515

Delta R.T. -0.00 min

Lab File: VU028047.D

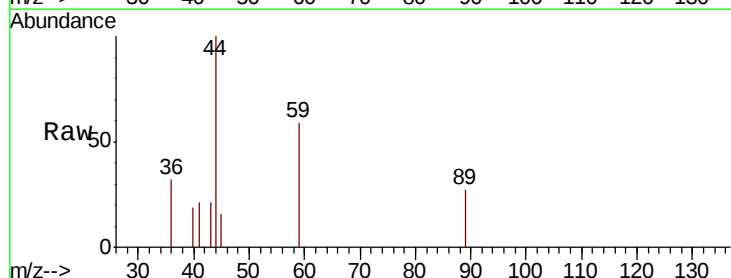
Acq: 09 Nov 2018 16:09

Tgt Ion: 59 Resp: 568

Ion Ratio Lower Upper

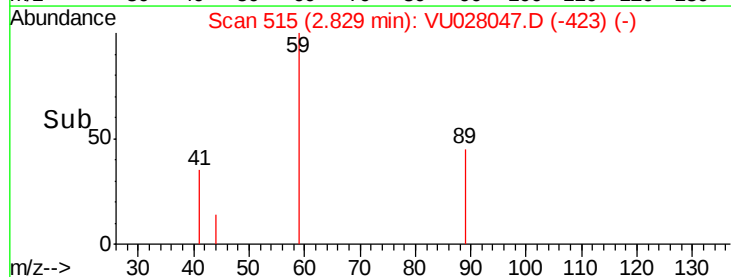
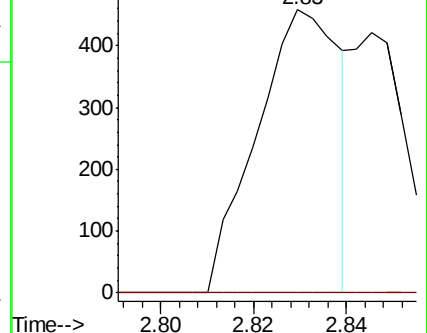
59 100

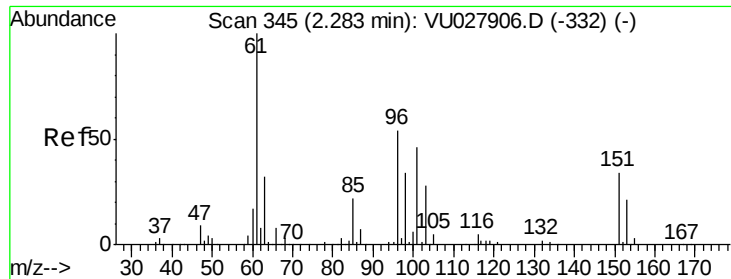
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

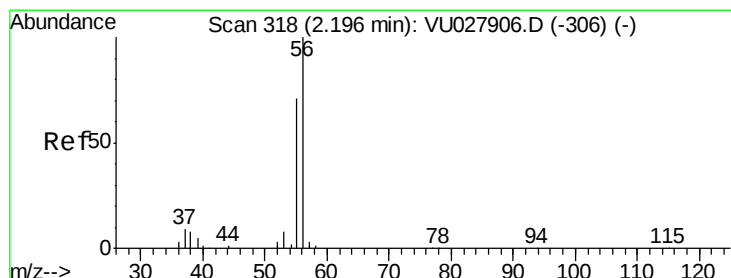
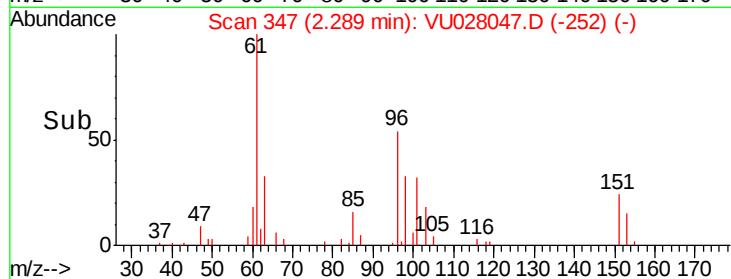
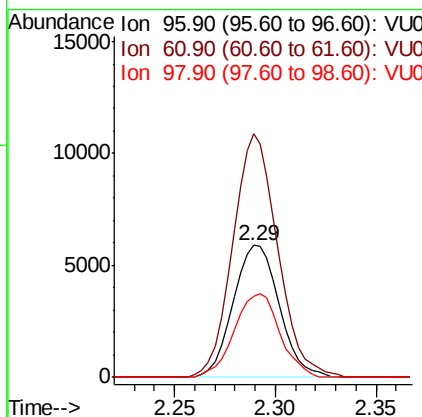
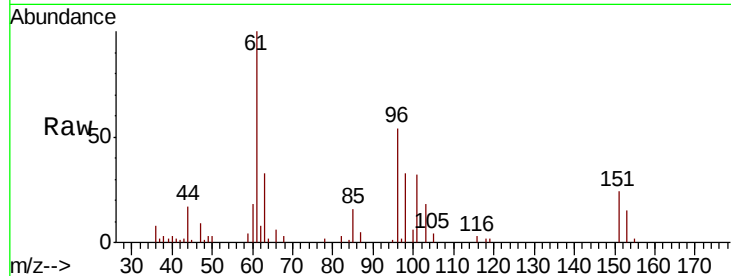




#12
 1,1-Dichloroethene
 Concen: 4.367 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. 0.01 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

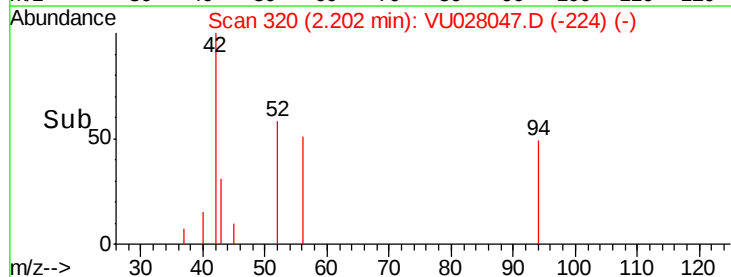
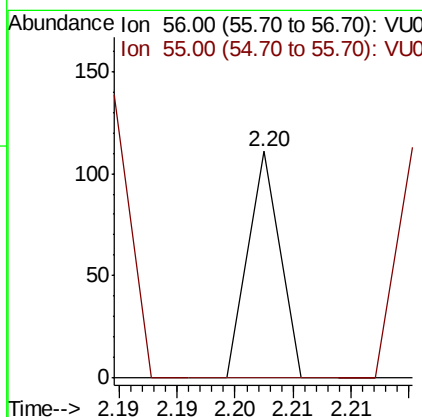
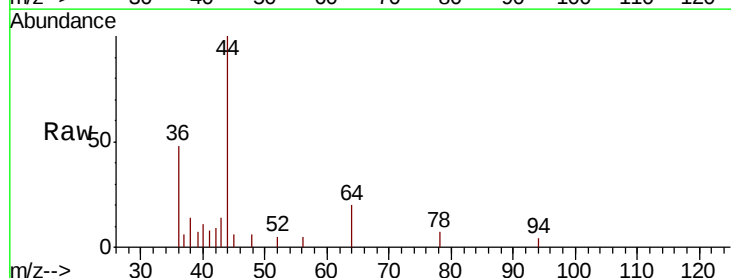
Instrument :
 MSVOA_U
 ClientSampleID :
 MW-5

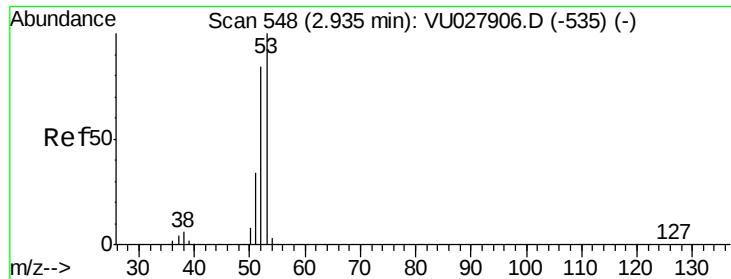
Tot Ion: 96 Resp: 9414
 Ion Ratio Lower Upper
 96 100
 61 184.9 149.3 223.9
 98 61.9 50.6 75.8



#13
 Acrolein
 Concen: Below Cal
 RT: 2.20 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

Tgt Ion: 56 Resp: 21
 Ion Ratio Lower Upper
 56 100
 55 895.2 56.2 84.4#





#15

Acrylonitrile

Concen: 0.768 ug/l

RT: 3.01 min Scan# 570

Delta R.T. 0.07 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

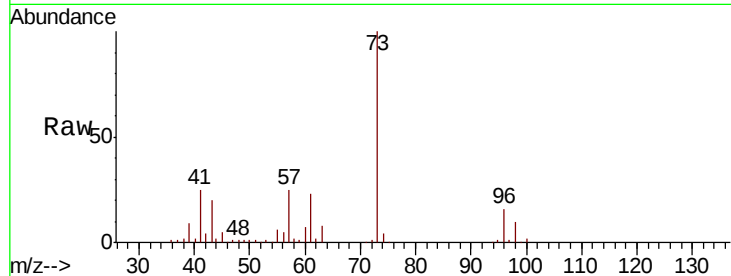
Tot Ion: 53 Resp: 1527

Ion Ratio Lower Upper

53 100

52 6.1 66.2 99.2#

51 78.0 27.0 40.4#



Abundance Ion 53.00 (52.70 to 53.70): VU028047.D (-535) (-)

Ion 52.00 (51.70 to 52.70): VU028047.D (-535) (-)

Ion 51.00 (50.70 to 51.70): VU028047.D (-535) (-)

3.01

600

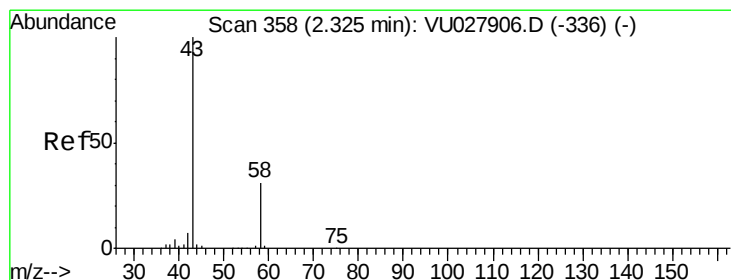
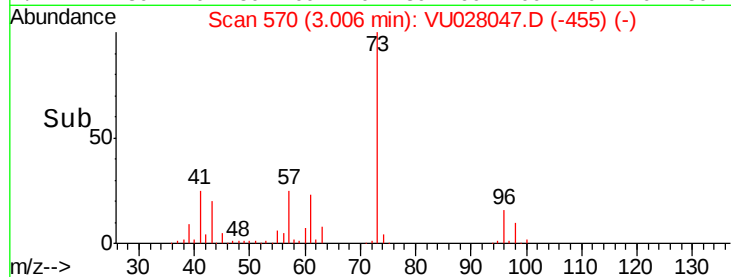
400

200

0

2.95 3.00 3.05

Time-->



#16

Acetone

Concen: 1.775 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028047.D

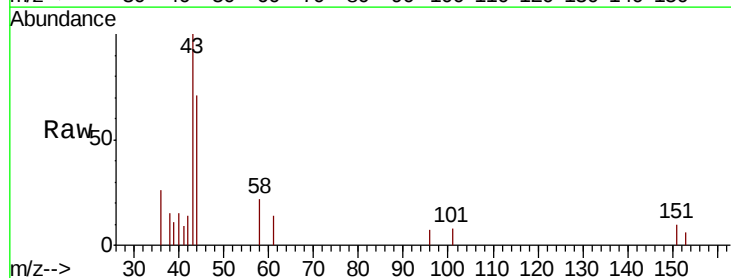
Acq: 09 Nov 2018 16:09

Tgt Ion: 43 Resp: 3367

Ion Ratio Lower Upper

43 100

58 22.2 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU028047.D (-265) (-)

Ion 58.00 (57.70 to 58.70): VU028047.D (-265) (-)

2.32

2000

1500

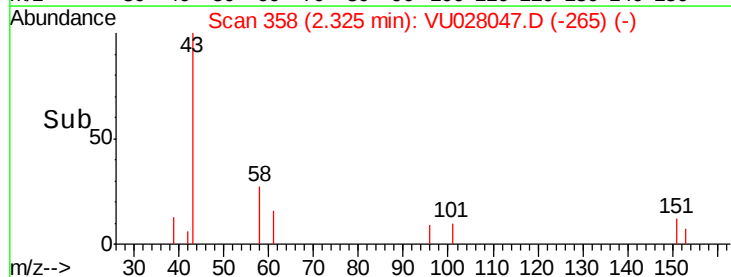
1000

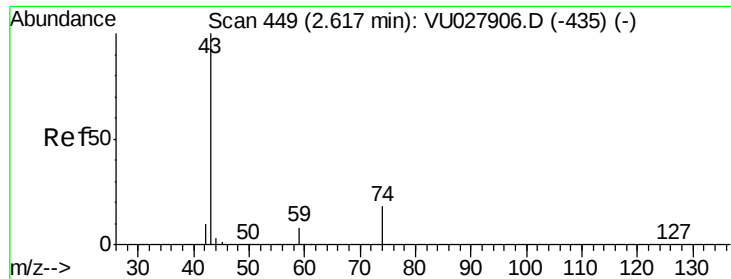
500

0

2.30 2.35 2.40

Time-->

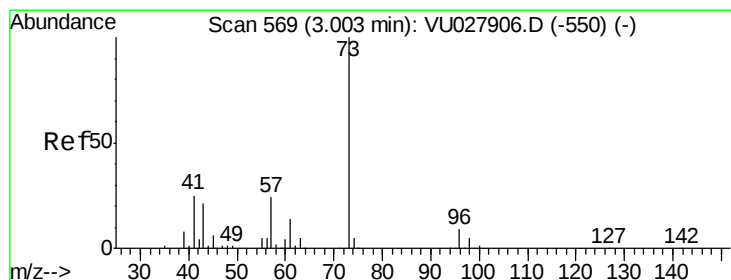
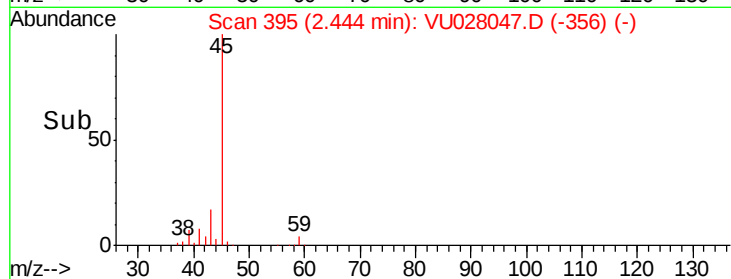
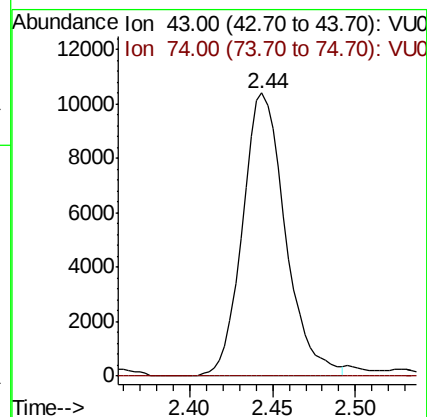
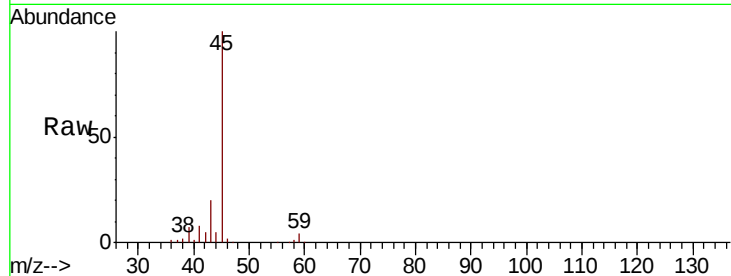




#18
Methyl Acetate
Concen: 3.591 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

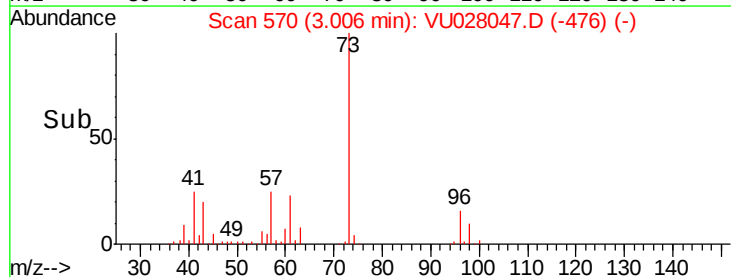
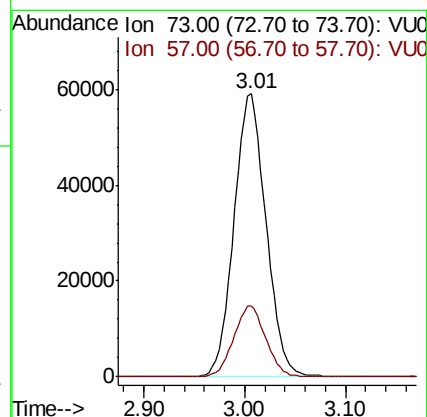
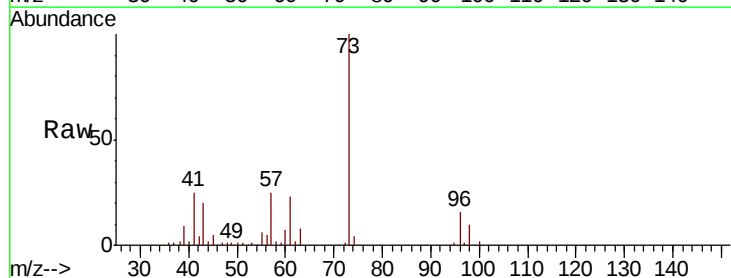
Instrument :
MSVOA_U
ClientSampled :
MW-5

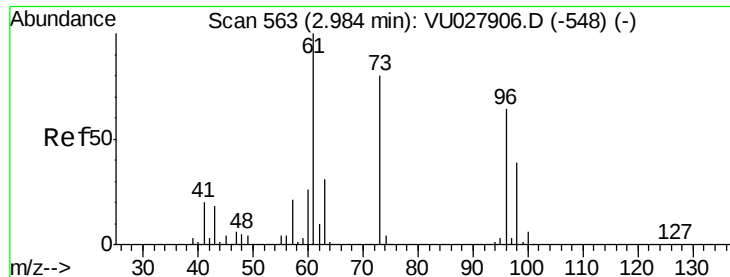
Tot Ion: 43 Resp: 18745
Ion Ratio Lower Upper
43 100
74 0.0 14.9 22.3#



#19
Methyl tert-butyl Ether
Concen: 14.976 ug/l
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Tgt Ion: 73 Resp: 130200
Ion Ratio Lower Upper
73 100
57 25.3 19.3 28.9





#21

trans-1,2-Dichloroethene

Concen: 15.589 ug/l

RT: 2.99 min Scan# 565

Delta R.T. 0.01 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

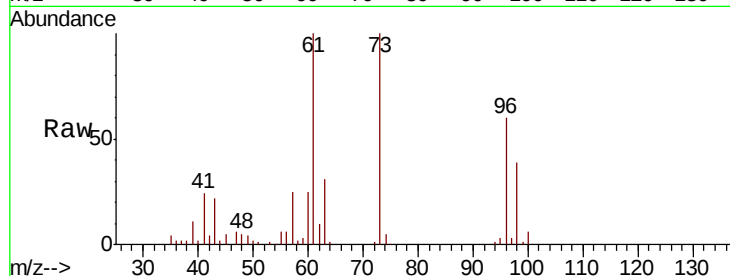
Tot Ion: 96 Resp: 38784

Ion Ratio Lower Upper

96 100

61 166.6 125.0 187.6

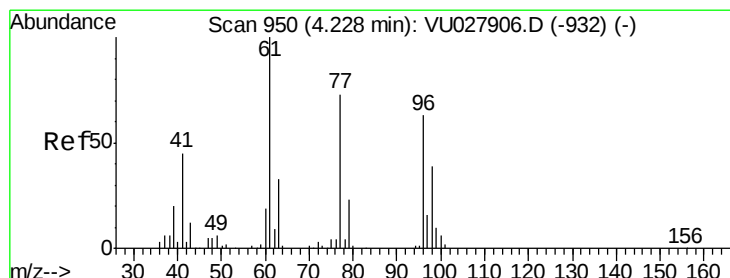
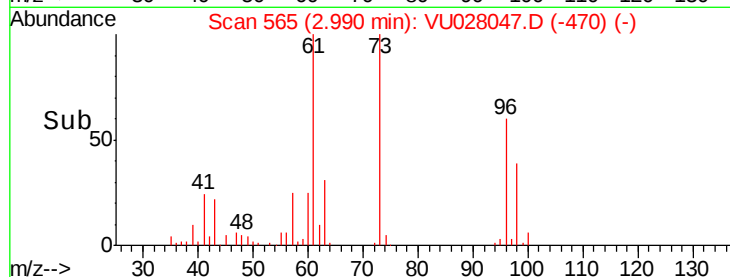
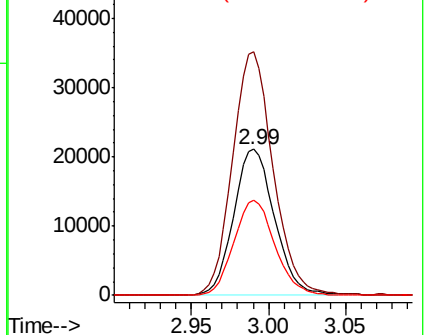
98 65.2 48.2 72.4



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



#27

cis-1,2-Dichloroethene

Concen: 2882.059 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

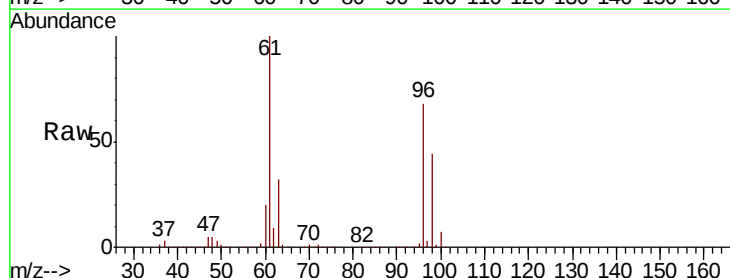
Tgt Ion: 96 Resp: 8040627

Ion Ratio Lower Upper

96 100

61 146.5 0.0 329.6

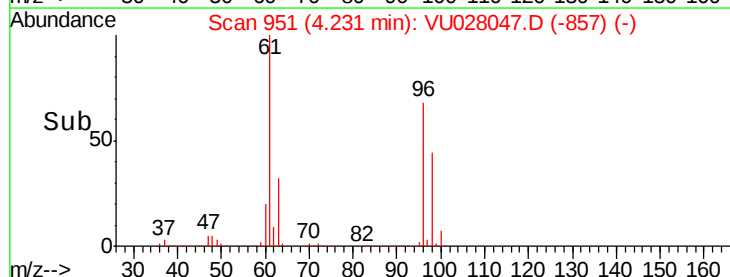
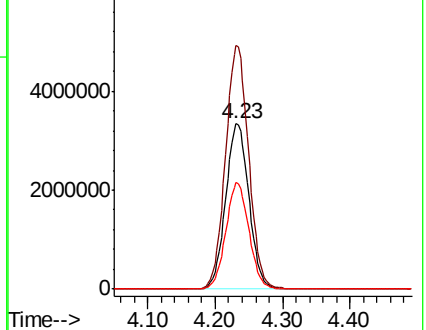
98 63.8 0.0 127.2

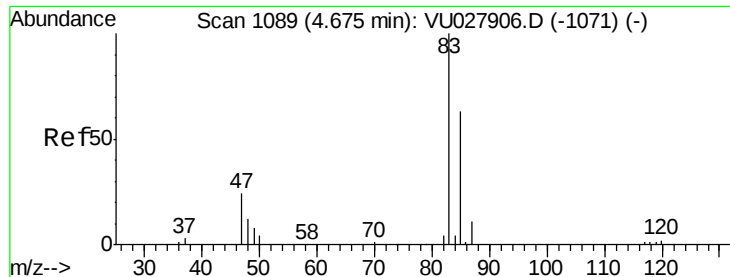


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

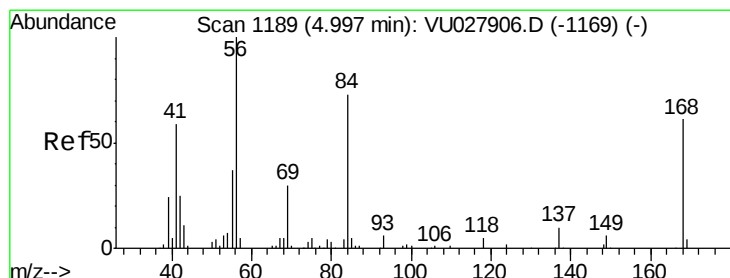
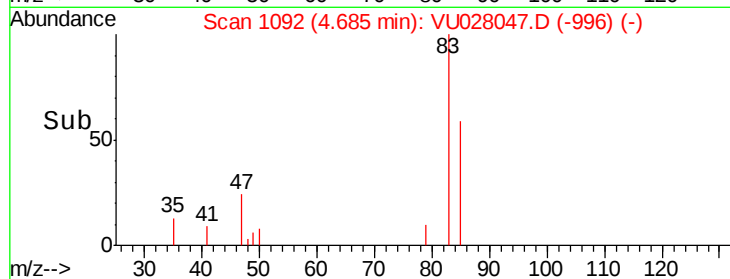
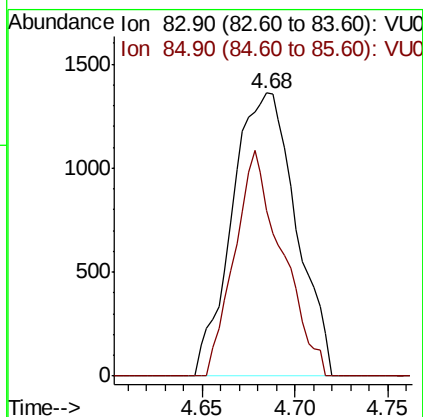
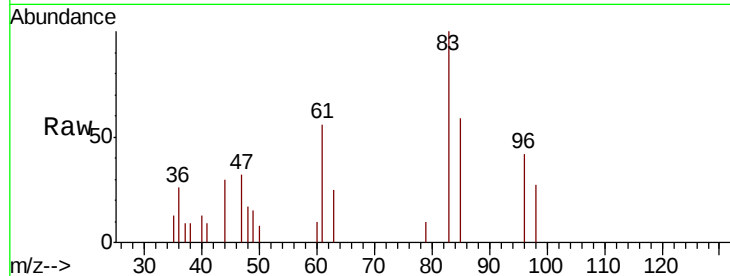




#30
Chloroform
Concen: 0.655 ug/l
RT: 4.68 min Scan# 1092
Delta R.T. 0.01 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

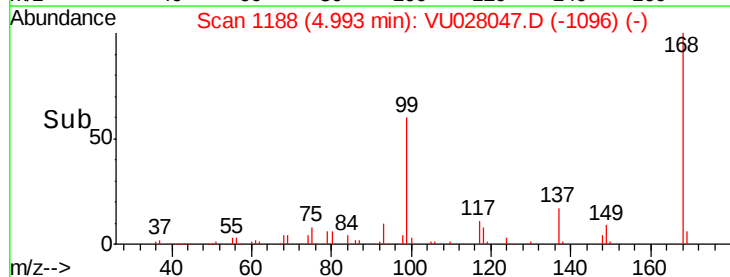
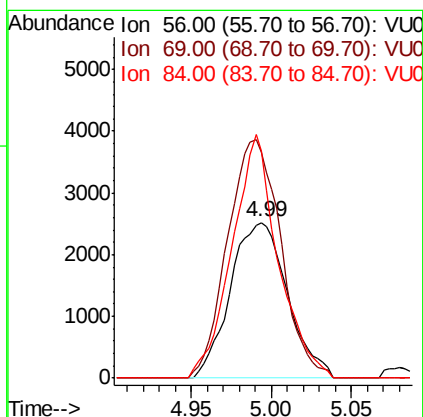
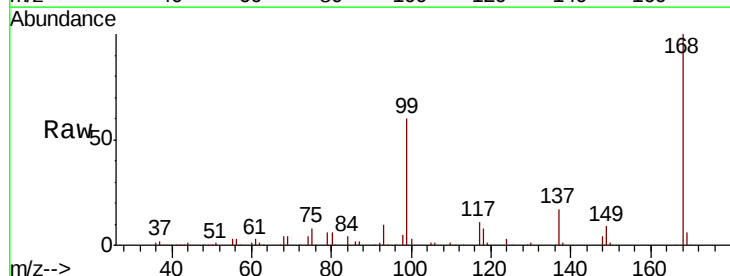
Instrument :
MSVOA_U
ClientSampleId :
MW-5

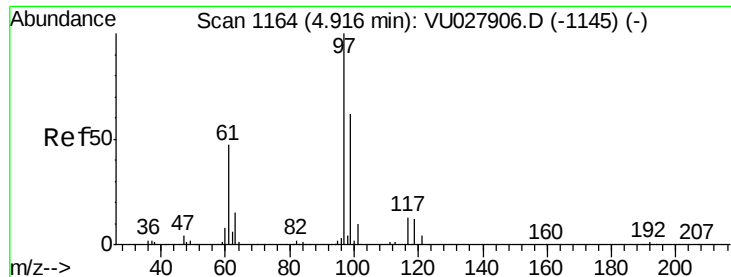
Tot Ion: 83 Resp: 3256
Ion Ratio Lower Upper
83 100
85 58.6 50.6 76.0



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Tgt Ion: 56 Resp: 6157
Ion Ratio Lower Upper
56 100
69 144.9 23.7 35.5#
84 145.7 58.2 87.4#





#32

1,1,1-Trichloroethane

Concen: 0.352 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

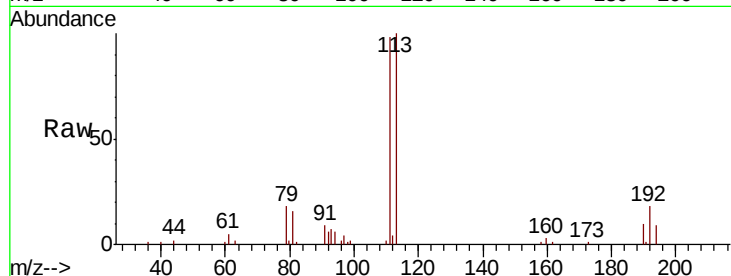
Tot Ion: 97 Resp: 1391

Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

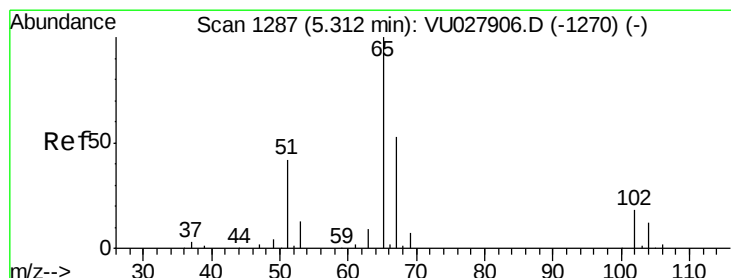
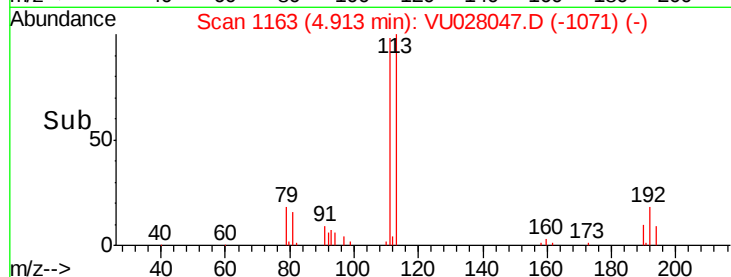
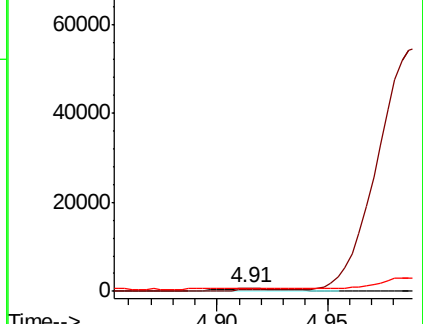
61 21.6 38.3 57.5#



Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0



#33

1,2-Dichloroethane-d4

Concen: 56.514 ug/l

RT: 5.31 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VU028047.D

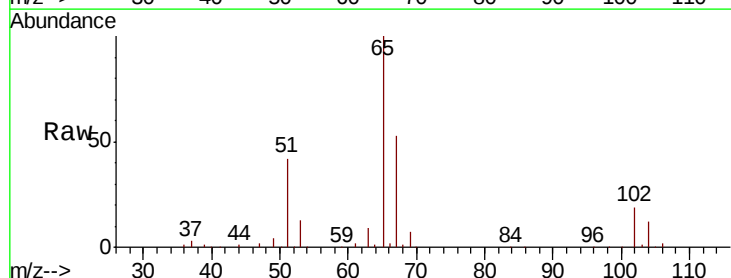
Acq: 09 Nov 2018 16:09

Tgt Ion: 65 Resp: 172829

Ion Ratio Lower Upper

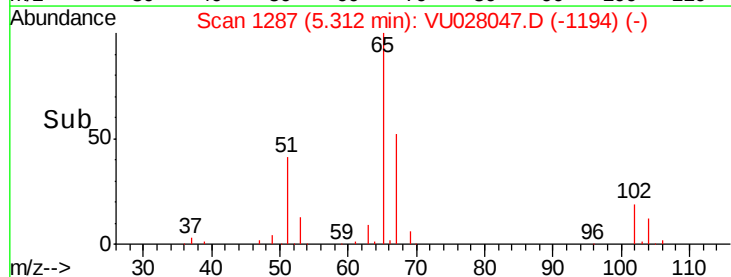
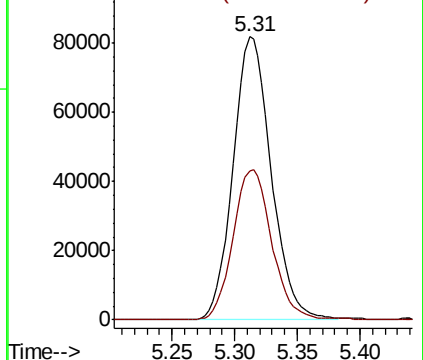
65 100

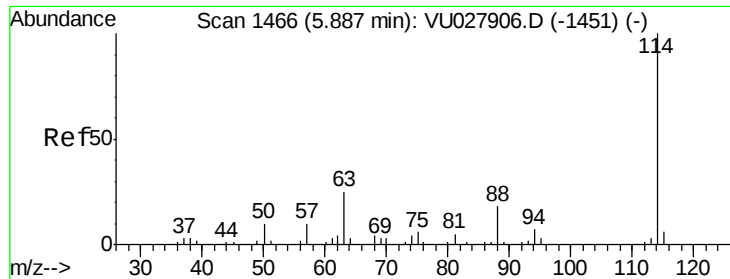
67 54.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

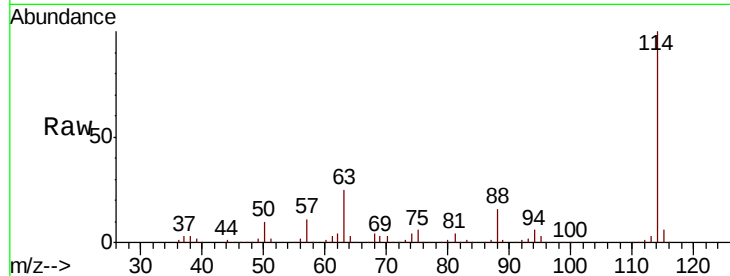




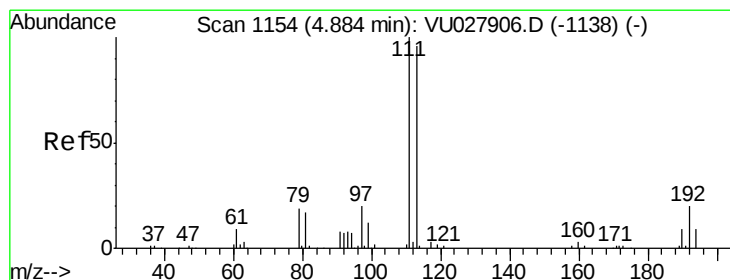
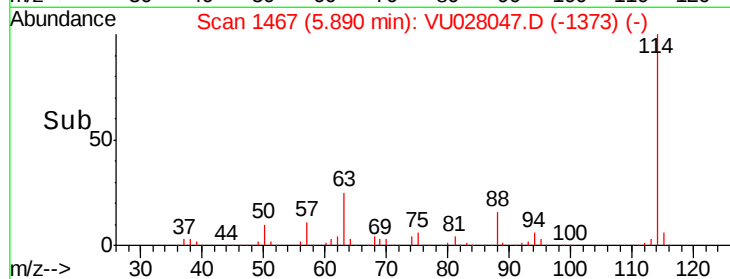
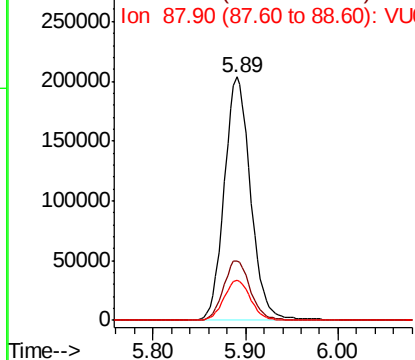
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1467
Delta R.T. 0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Instrument :
MSVOA_U
ClientSampled :
MW-5

Tot Ion:114 Resp: 399906
Ion Ratio Lower Upper
114 100
63 24.6 0.0 50.8
88 16.5 0.0 35.8

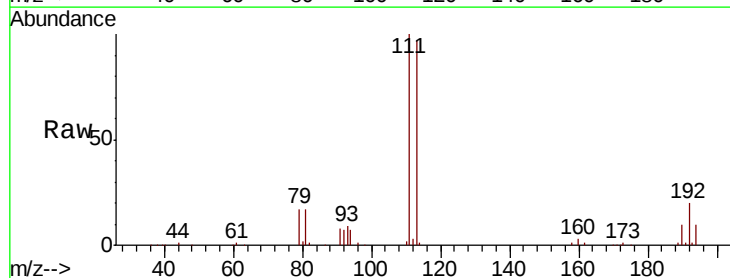


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

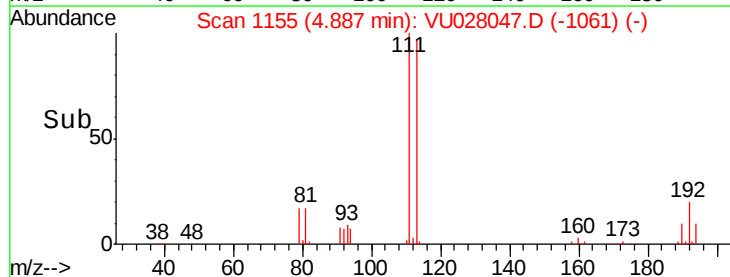
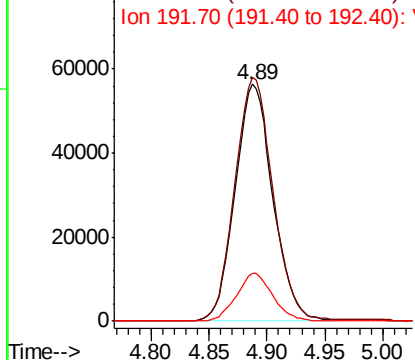


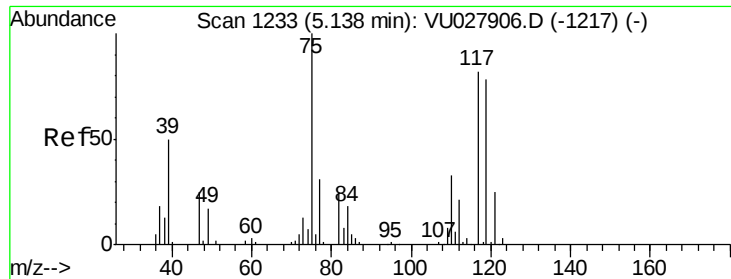
#35
Dibromofluoromethane
Concen: 50.588 ug/l
RT: 4.89 min Scan# 1155
Delta R.T. 0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Tgt Ion:113 Resp: 127555
Ion Ratio Lower Upper
113 100
111 103.9 83.0 124.6
192 19.4 15.6 23.4



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

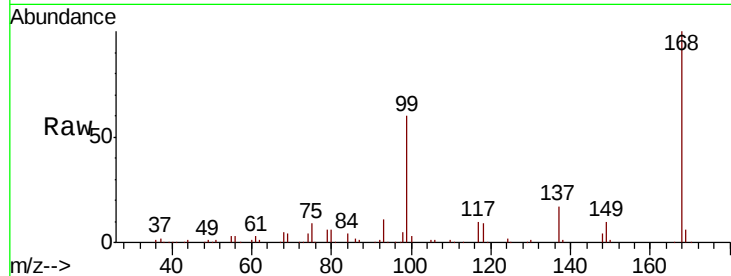




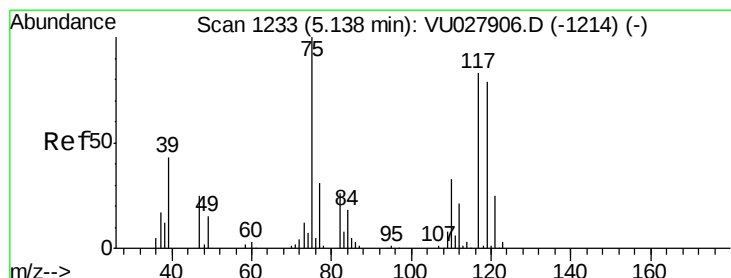
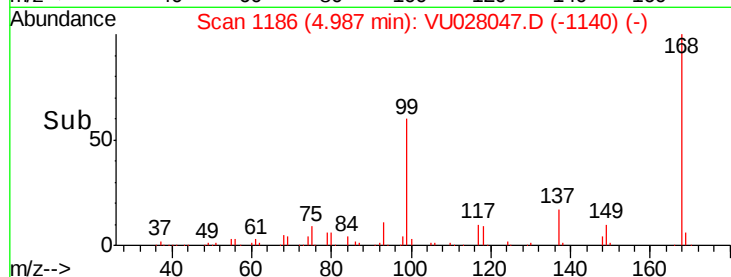
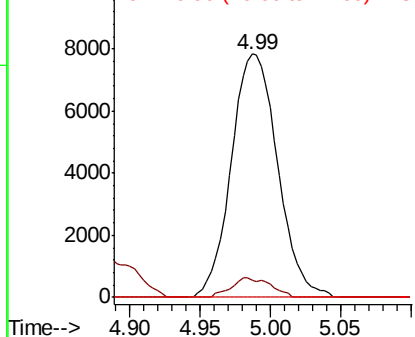
#36
 1,1-Dichloropropene
 Concen: 4.301 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

Instrument :
 MSVOA_U
 ClientSampled :
 MW-5

Tot Ion: 75 Resp: 18014
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.5 49.5#
 77 0.0 24.9 37.3#

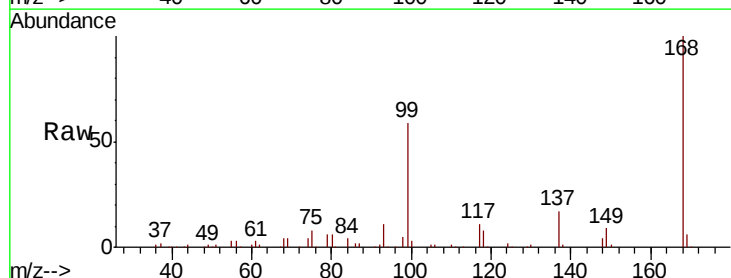


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

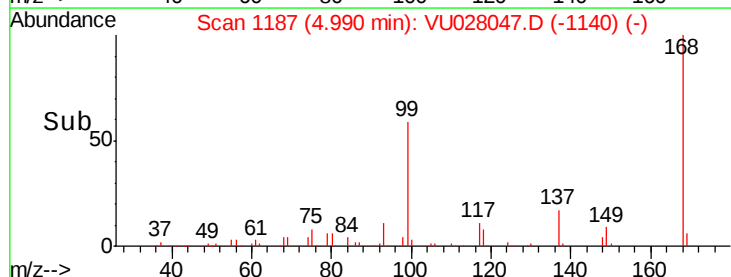
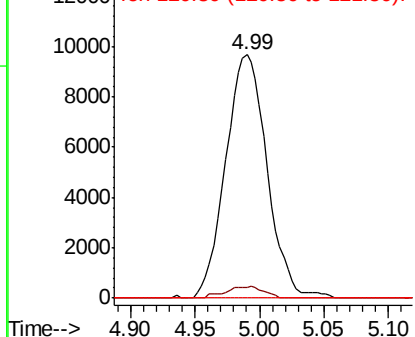


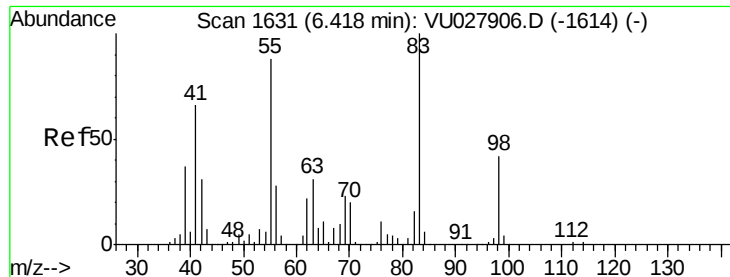
#38
 Carbon Tetrachloride
 Concen: 5.812 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

Tgt Ion: 117 Resp: 21572
 Ion Ratio Lower Upper
 117 100
 119 4.3 76.0 114.0#
 121 0.0 24.5 36.7#



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

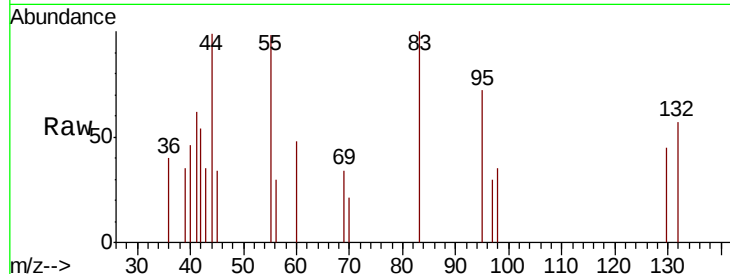




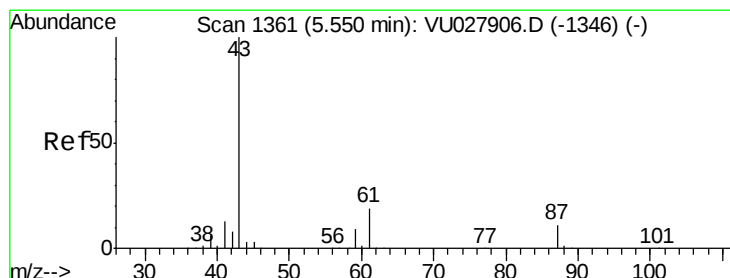
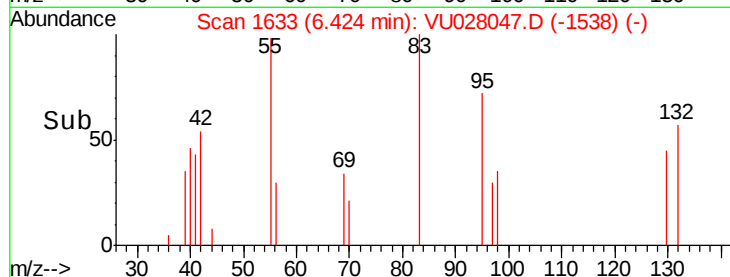
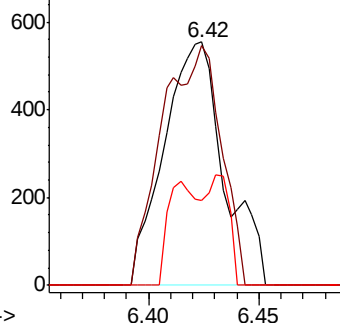
#39
Methylcyclohexane
Concen: 0.208 ug/l
RT: 6.42 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Instrument :
MSVOA_U
ClientSampled :
MW-5

Tot Ion: 83 Resp: 1053
Ion Ratio Lower Upper
83 100
55 98.4 70.3 105.5
98 34.8 34.0 51.0

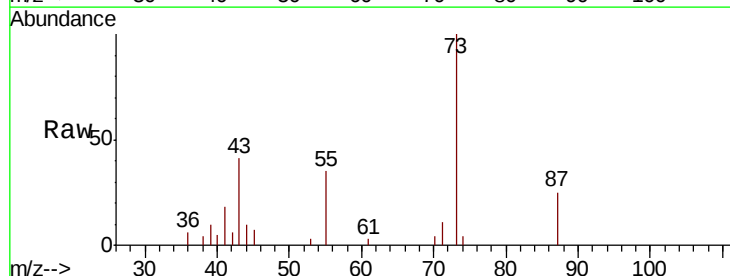


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

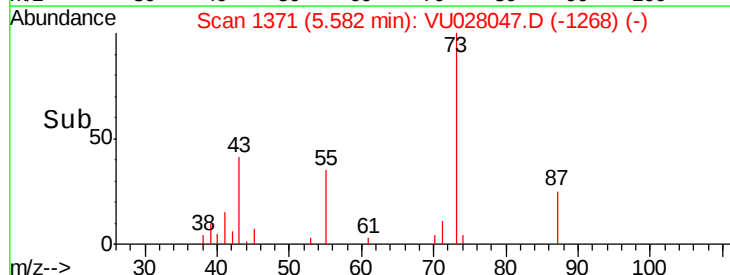
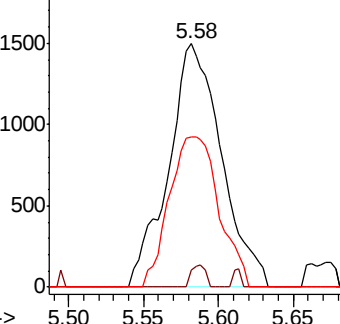


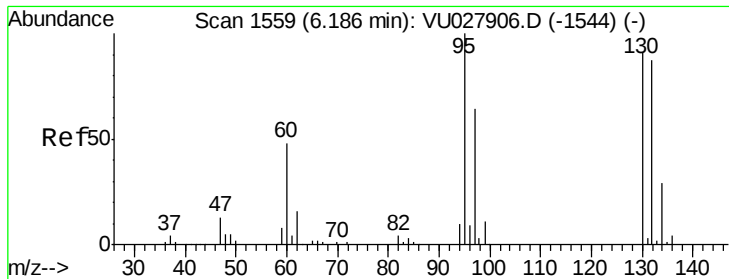
#43
Isopropyl Acetate
Concen: 0.384 ug/l
RT: 5.58 min Scan# 1371
Delta R.T. 0.03 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Tgt Ion: 43 Resp: 3688
Ion Ratio Lower Upper
43 100
61 0.0 15.0 22.4#
87 57.8 8.6 12.8#



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





#44

Trichloroethene

Concen: 464.468 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

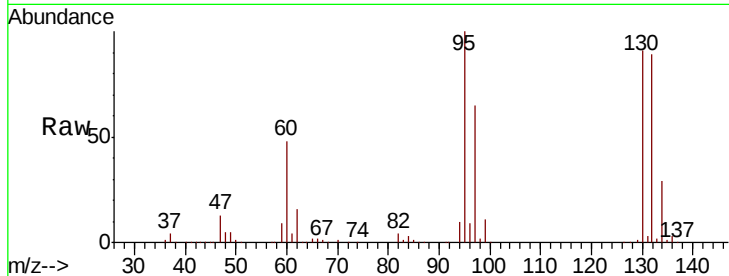
MW-5

Tot Ion:130 Resp: 1278478

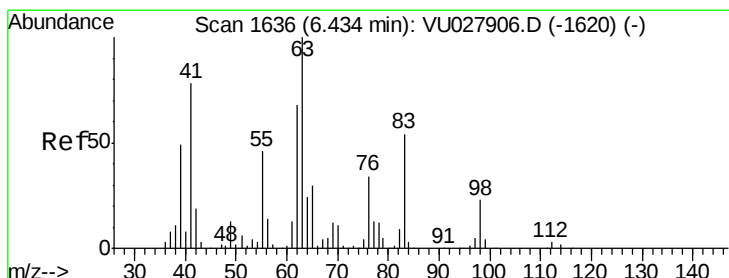
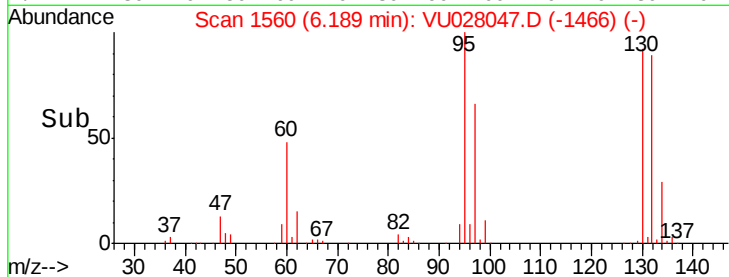
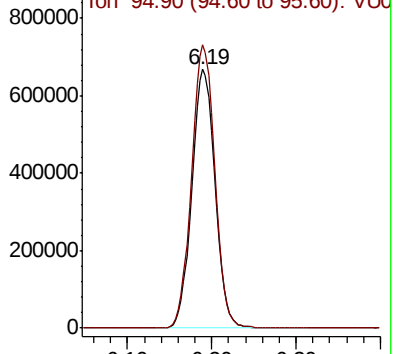
Ion Ratio Lower Upper

130 100

95 109.5 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): VU027906.D (-1544) (-)



#45

1,2-Dichloropropane

Concen: 1.297 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.25 min

Lab File: VU028047.D

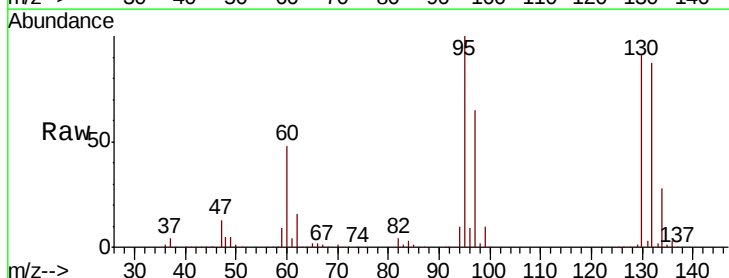
Acq: 09 Nov 2018 16:09

Tgt Ion: 63 Resp: 4788

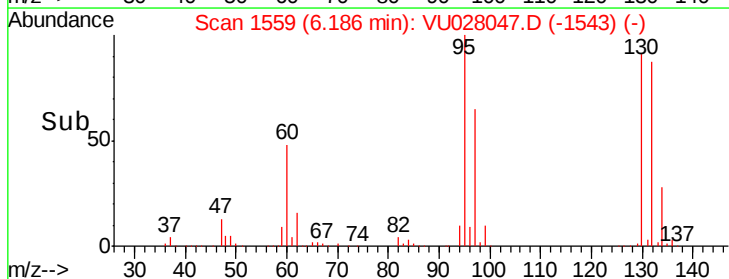
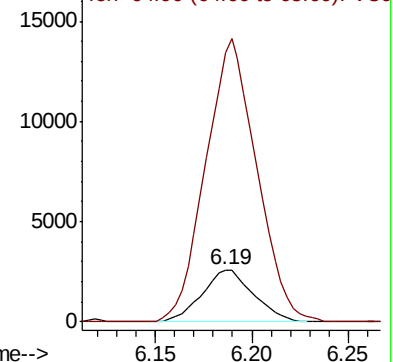
Ion Ratio Lower Upper

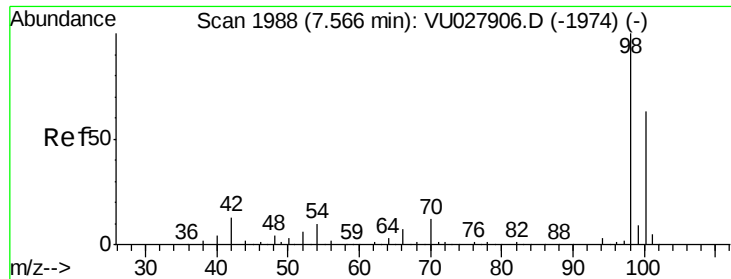
63 100

65 520.2 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1620) (-)





#50

Toluene-d8

Concen: 54.780 ug/l

RT: 7.57 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

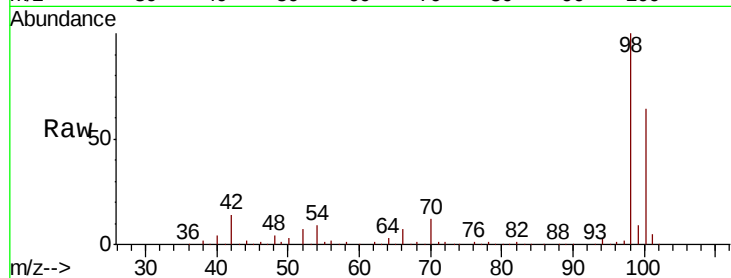
MW-5

Tot Ion: 98 Resp: 533572

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



Abundance Ion 98.00 (97.70 to 98.70): VU027906.D (-1974) (-)

Ion 100.00 (99.70 to 100.70): VU027906.D (-1974) (-)

7.57

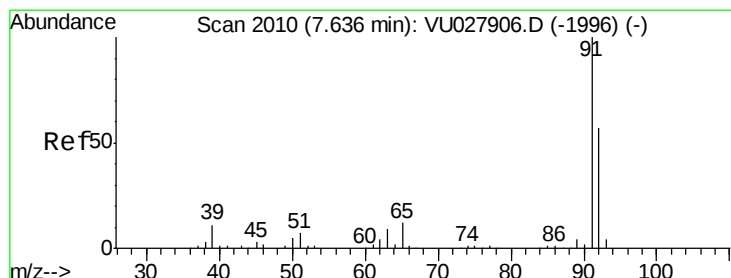
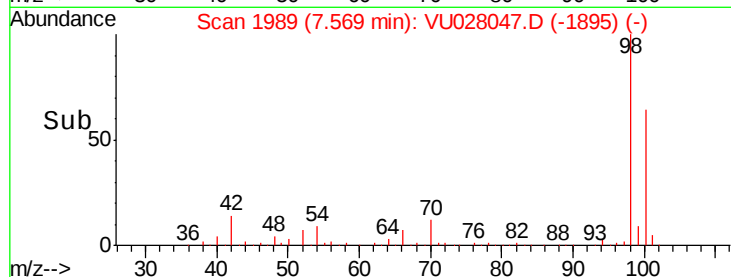
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 0.845 ug/l

RT: 7.64 min Scan# 2012

Delta R.T. 0.01 min

Lab File: VU028047.D

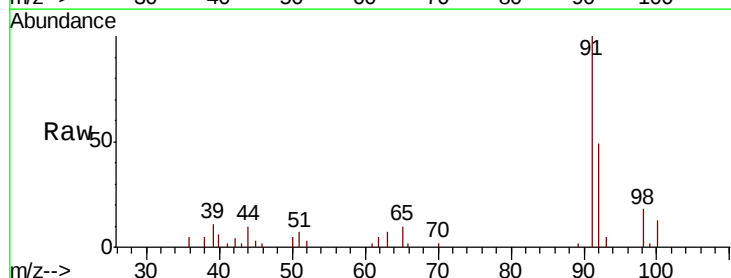
Acq: 09 Nov 2018 16:09

Tgt Ion: 92 Resp: 6360

Ion Ratio Lower Upper

92 100

91 170.6 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU027906.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027906.D (-1996) (-)

7.64

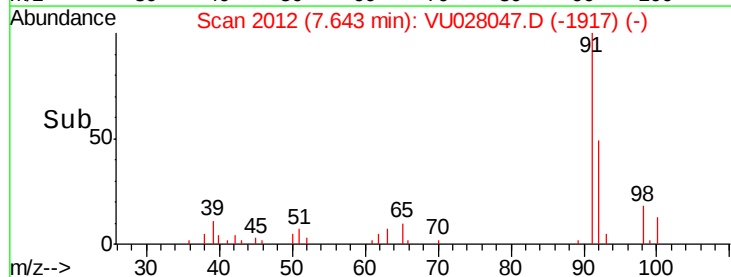
6000

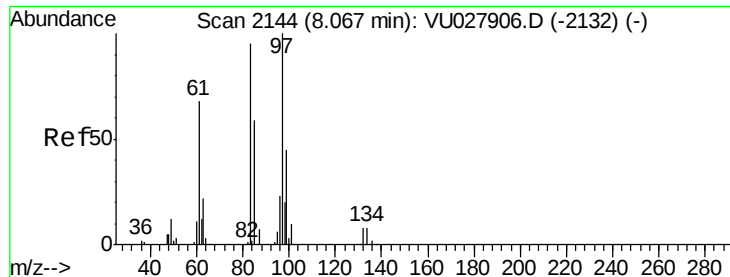
4000

2000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 382.242 ug/l

RT: 8.29 min Scan# 2214

Delta R.T. 0.23 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

Tot Ion: 97 Resp: 1170733

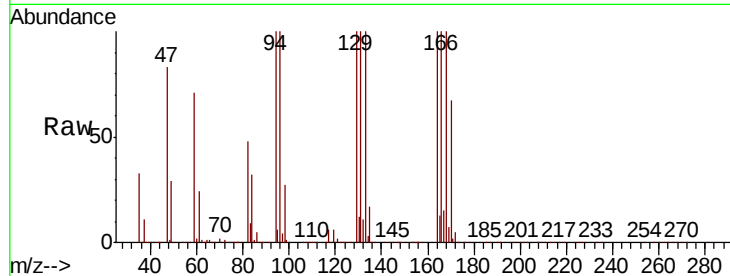
Ion Ratio Lower Upper

97 100

83 238.4 76.1 114.1#

85 32.5 48.9 73.3#

99 16.5 52.0 78.0#

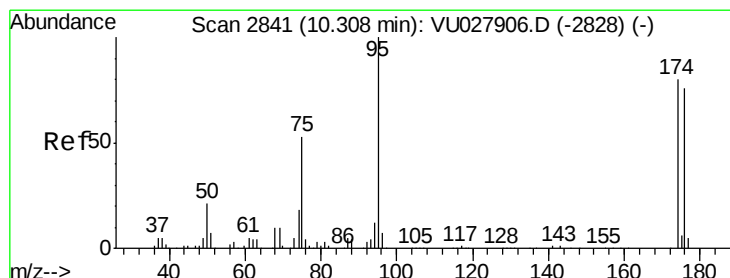
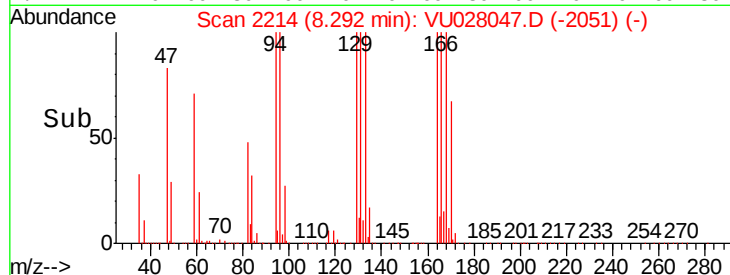
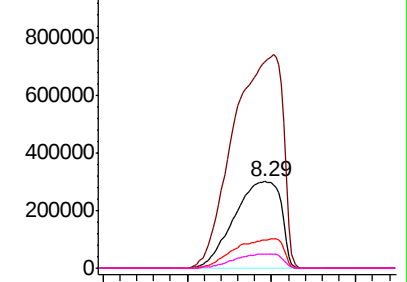


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#62

4-Bromofluorobenzene

Concen: 54.367 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

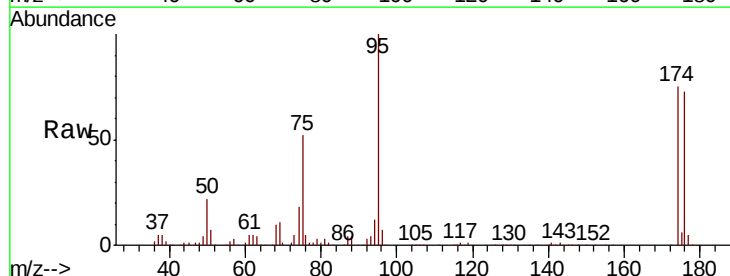
Tgt Ion: 95 Resp: 195320

Ion Ratio Lower Upper

95 100

174 76.6 0.0 156.4

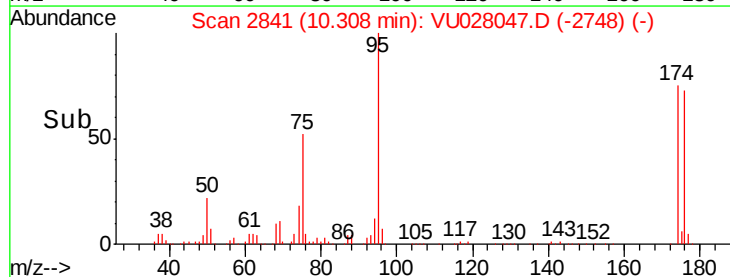
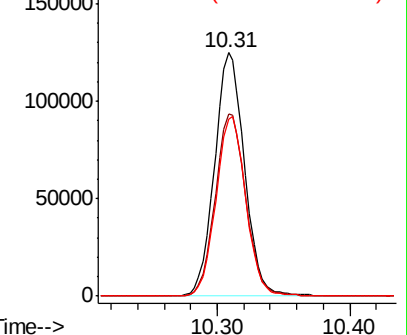
176 73.7 0.0 150.8

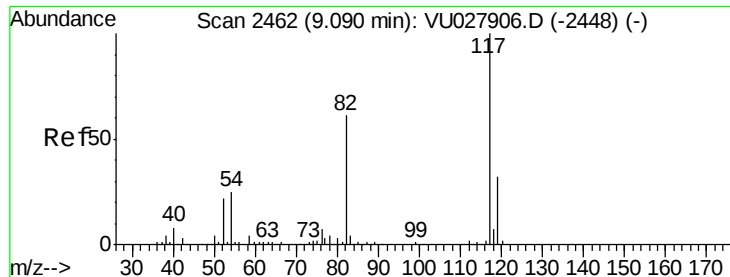


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

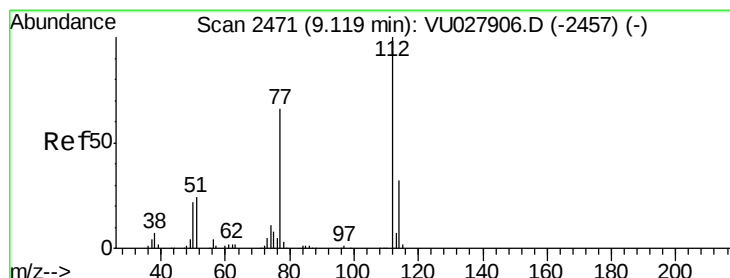
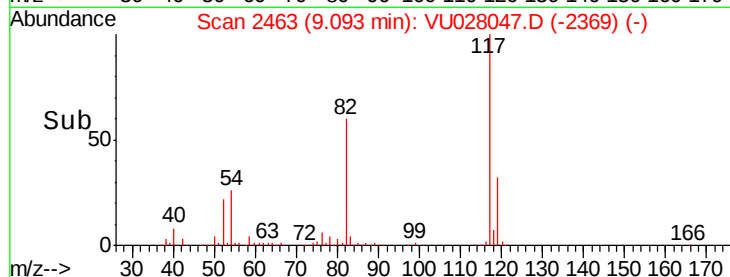
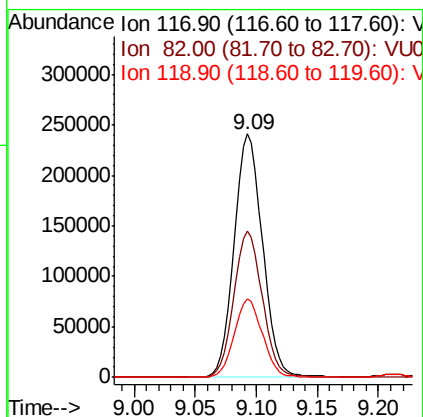
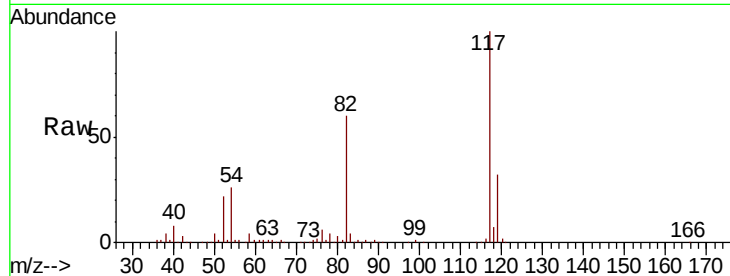




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

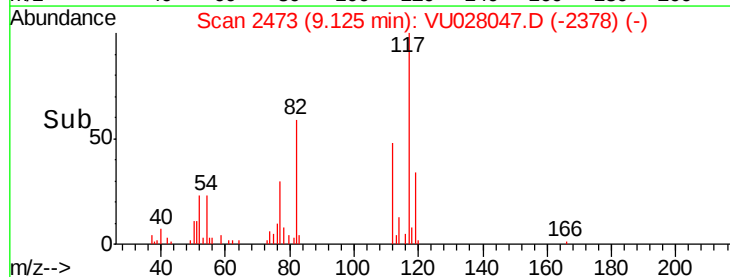
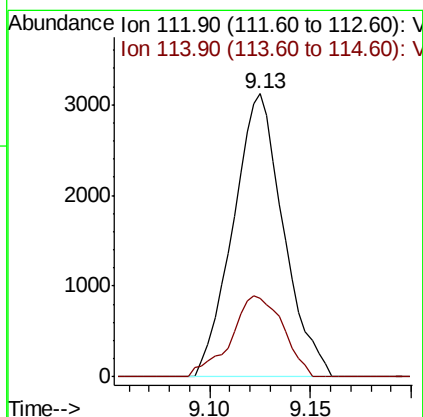
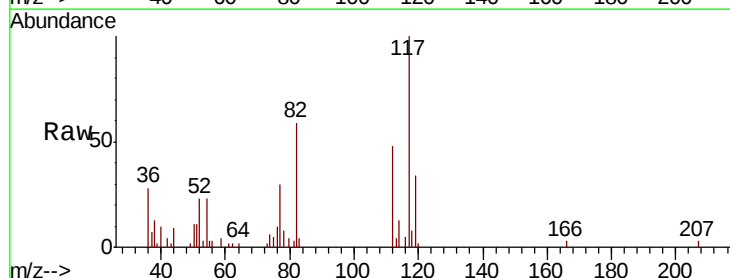
Instrument :
MSVOA_U
ClientSampleId :
MW-5

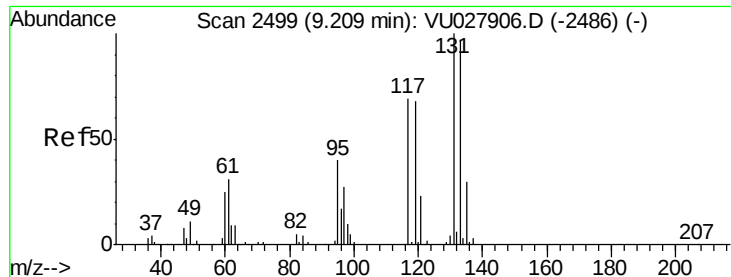
Tot Ion:117 Resp: 390680
Ion Ratio Lower Upper
117 100
82 60.0 48.6 73.0
119 32.3 25.8 38.8



#65
Chlorobenzene
Concen: 0.658 ug/l
RT: 9.13 min Scan# 2473
Delta R.T. 0.01 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Tgt Ion:112 Resp: 5430
Ion Ratio Lower Upper
112 100
114 27.8 25.2 37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 2.389 ug/l

RT: 9.21 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

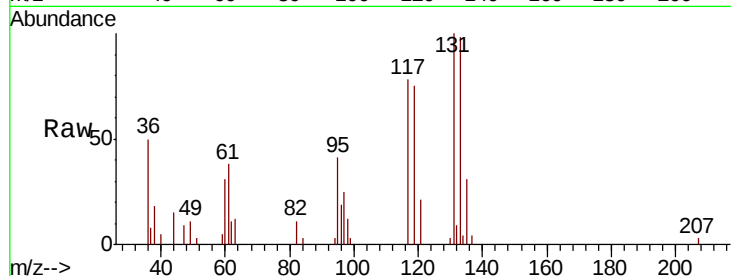
Tot Ion:131 Resp: 6736

Ion Ratio Lower Upper

131 100

133 96.9 48.1 144.4

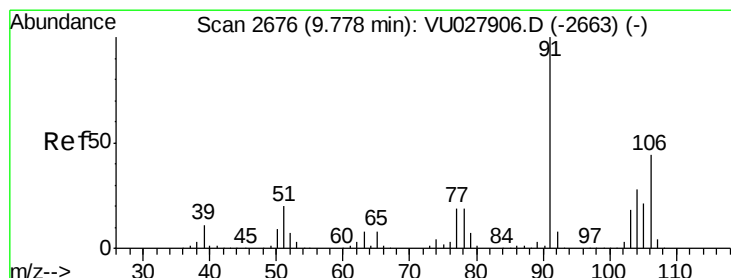
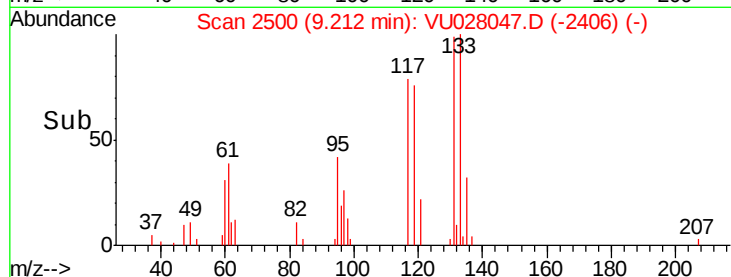
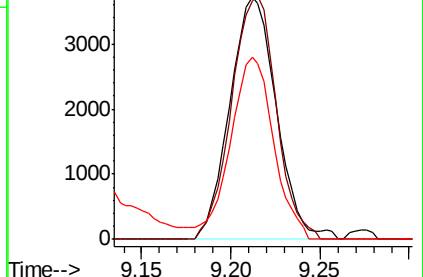
119 69.9 34.0 101.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#69

o-Xylene

Concen: 0.702 ug/l

RT: 9.78 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VU028047.D

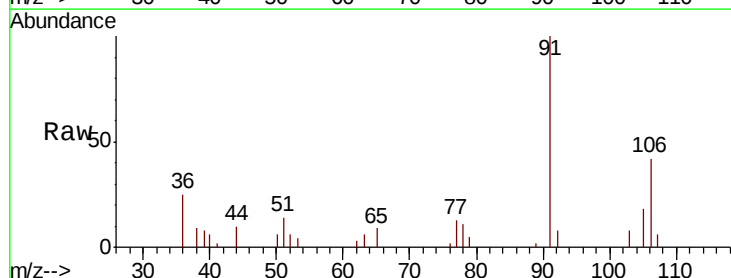
Acq: 09 Nov 2018 16:09

Tgt Ion:106 Resp: 3907

Ion Ratio Lower Upper

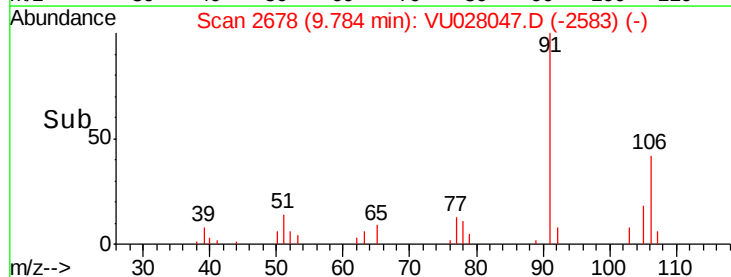
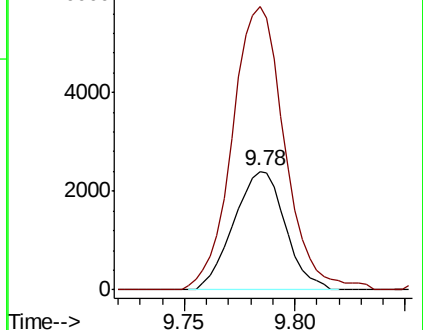
106 100

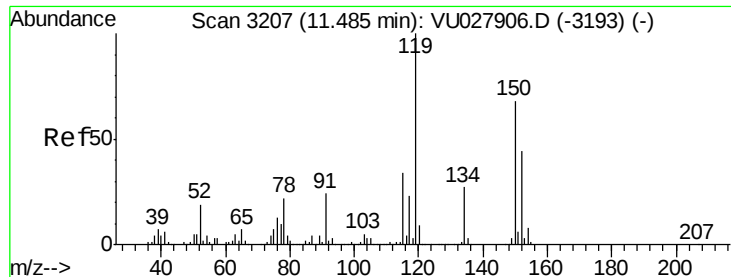
91 243.2 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



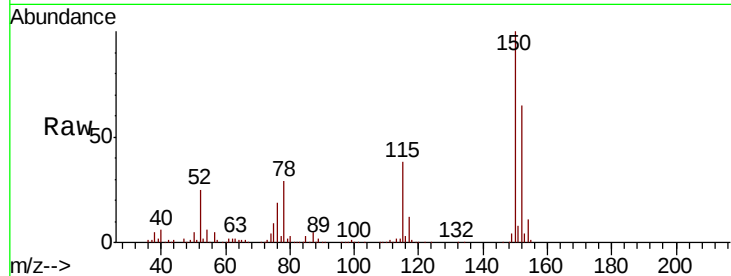


#72

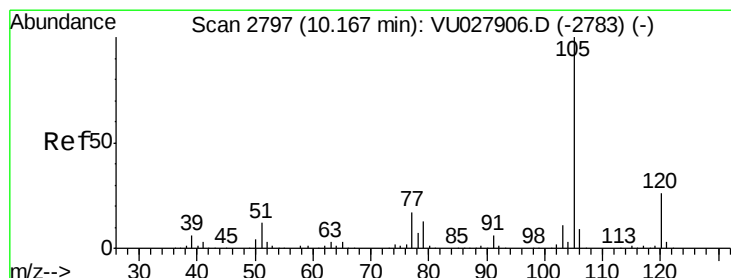
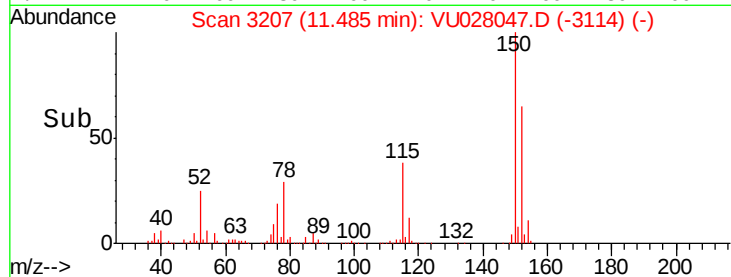
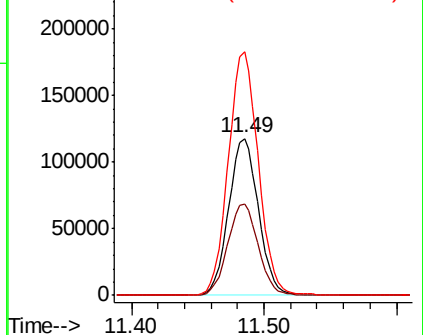
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :
MW-5

Tot Ion:152 Resp: 184163
Ion Ratio Lower Upper
152 100
115 59.5 43.0 129.0
150 156.5 0.0 349.4



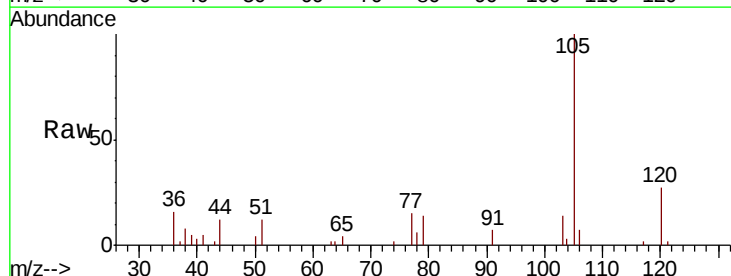
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



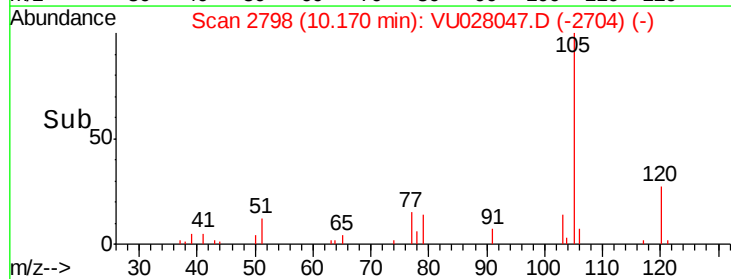
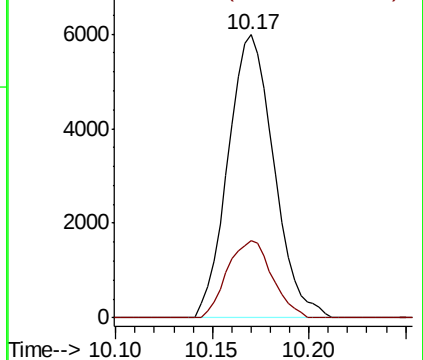
#73

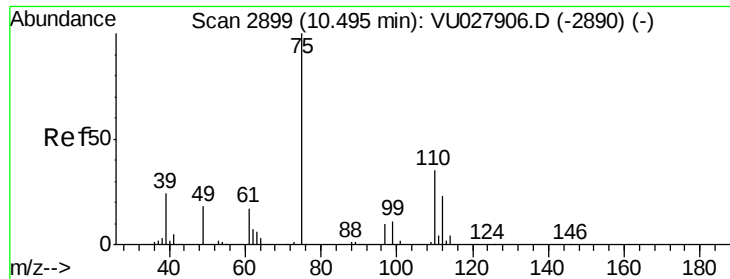
Isopropylbenzene
Concen: 0.691 ug/l
RT: 10.17 min Scan# 2798
Delta R.T. 0.00 min
Lab File: VU028047.D
Acq: 09 Nov 2018 16:09

Tgt Ion:105 Resp: 9861
Ion Ratio Lower Upper
105 100
120 26.5 12.7 38.0



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: 20.297 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

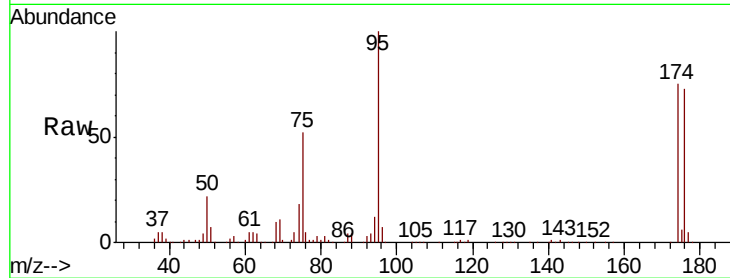
MW-5

Tot Ion: 75 Resp: 102242

Ion Ratio Lower Upper

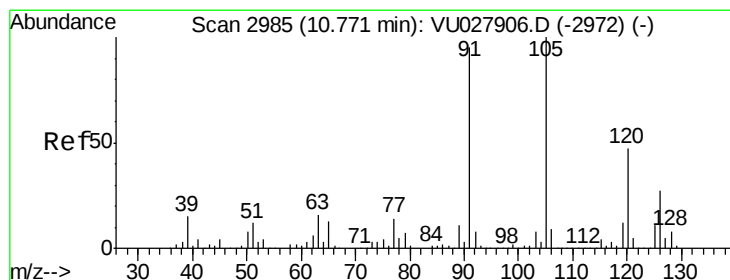
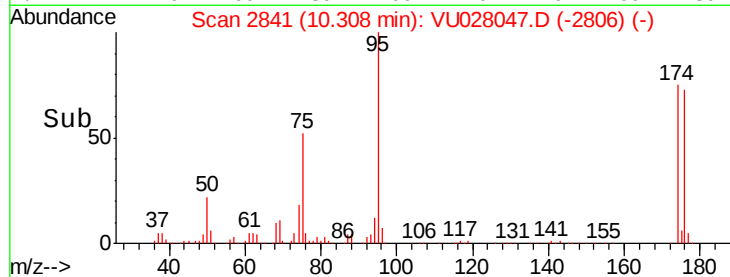
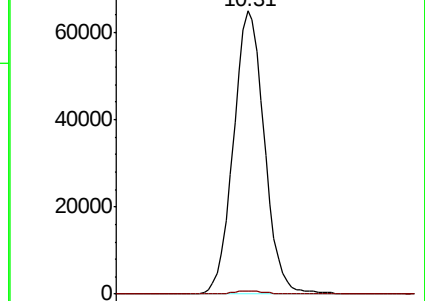
75 100

77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU027906.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027906.D (-2890) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.453 ug/l

RT: 10.97 min Scan# 3048

Delta R.T. 0.20 min

Lab File: VU028047.D

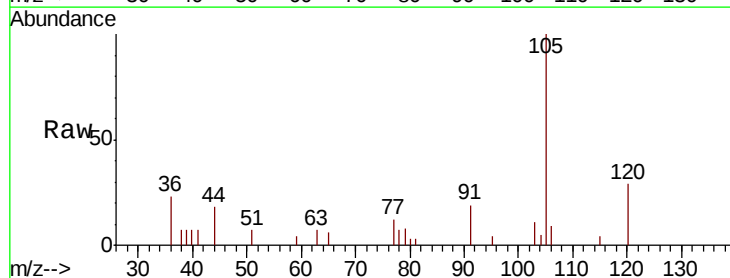
Acq: 09 Nov 2018 16:09

Tgt Ion: 105 Resp: 5357

Ion Ratio Lower Upper

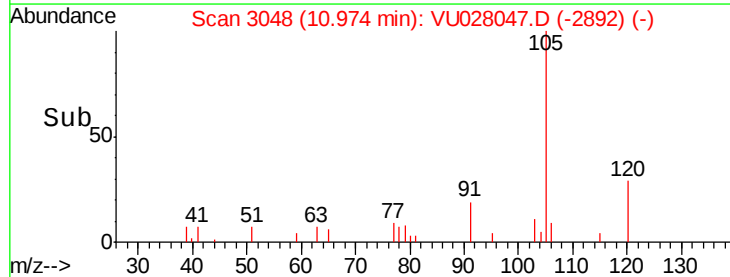
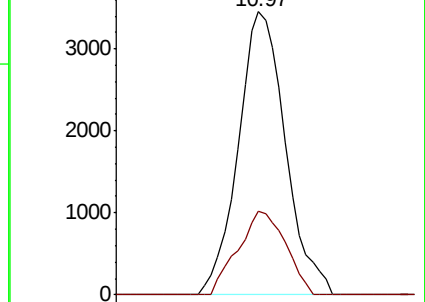
105 100

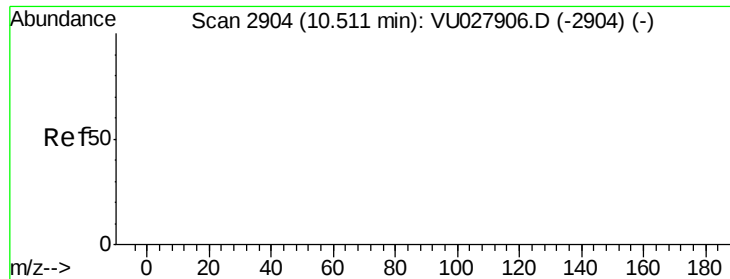
120 29.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.673 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

MW-5

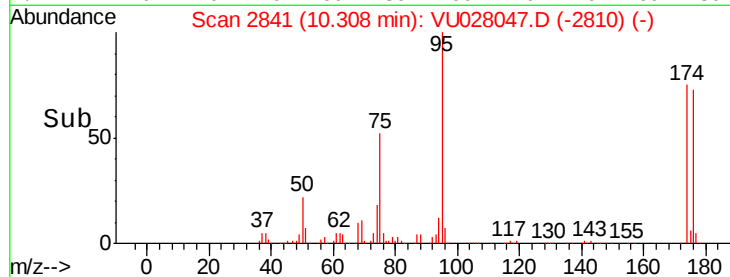
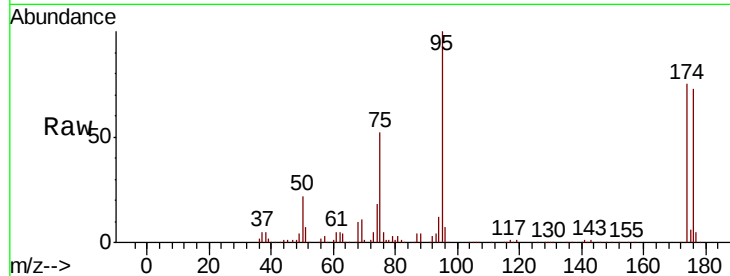
Tot Ion: 75 Resp: 102242

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

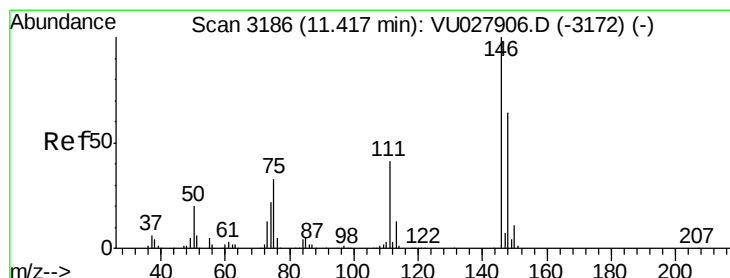
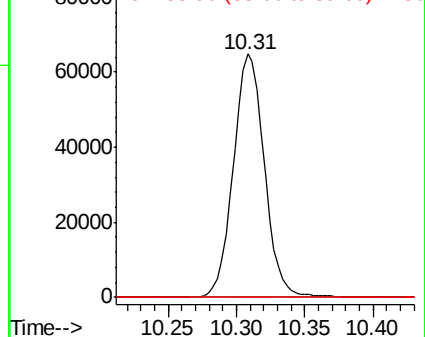
89 0.0 0.0 0.0



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: 0.207 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

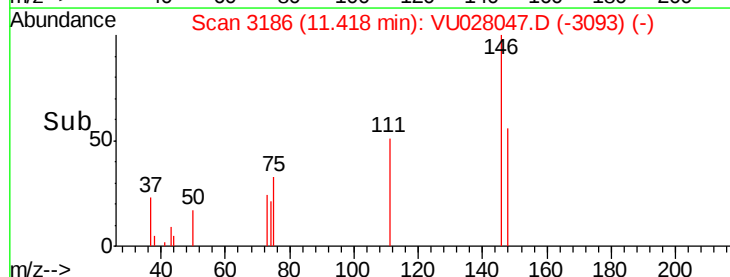
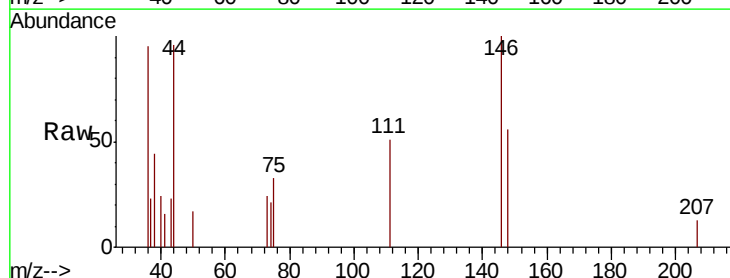
Tgt Ion:146 Resp: 1248

Ion Ratio Lower Upper

146 100

111 34.5 20.3 61.0

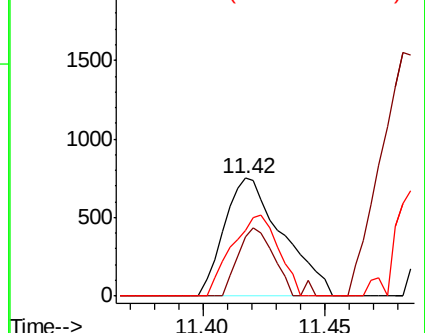
148 54.9 31.8 95.4

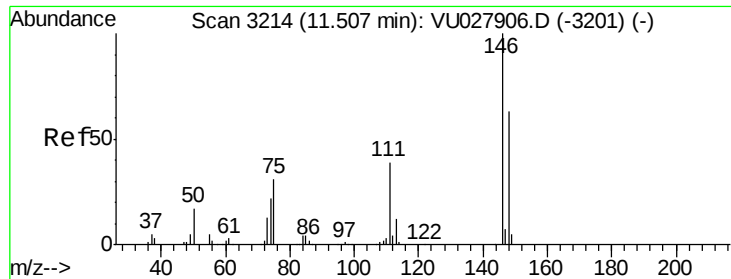


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.201 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.09 min

Lab File: VU028047.D

Acq: 09 Nov 2018 16:09

Instrument :

MSVOA_U

ClientSampled :

MW-5

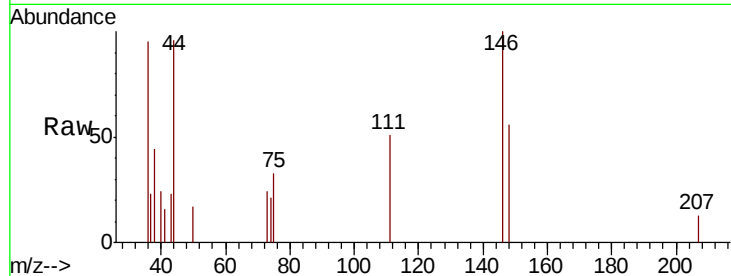
Tot Ion:146 Resp: 1248

Ion Ratio Lower Upper

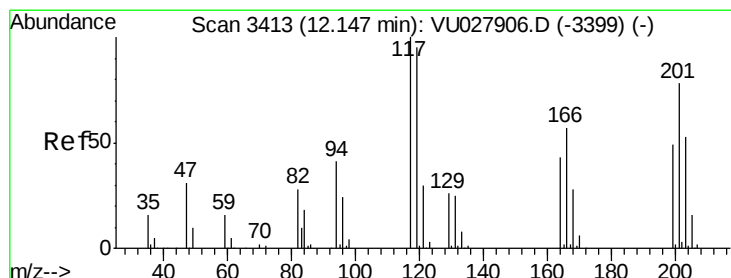
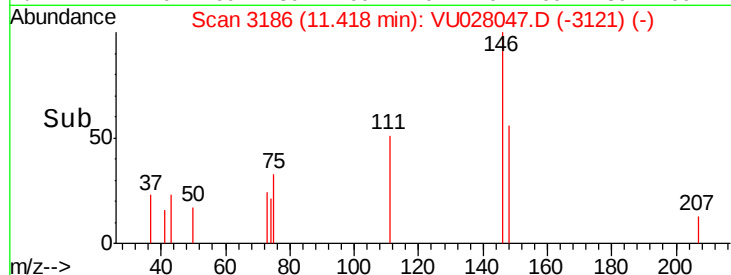
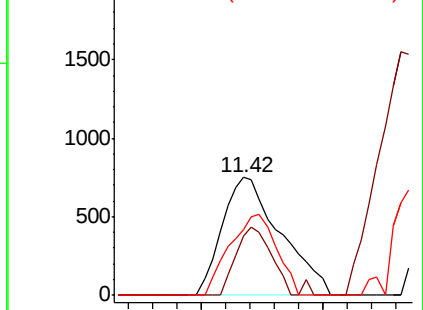
146 100

111 34.5 20.3 60.9

148 54.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.351 ug/l

RT: 12.36 min Scan# 3478

Delta R.T. 0.21 min

Lab File: VU028047.D

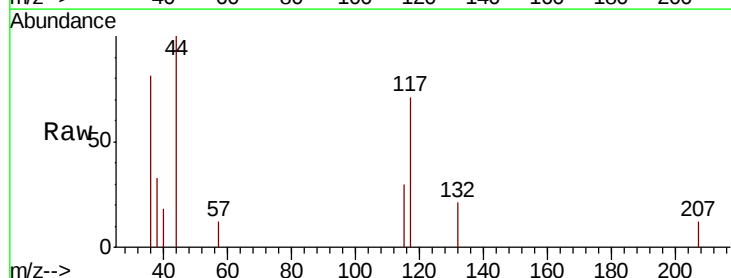
Acq: 09 Nov 2018 16:09

Tgt Ion:117 Resp: 750

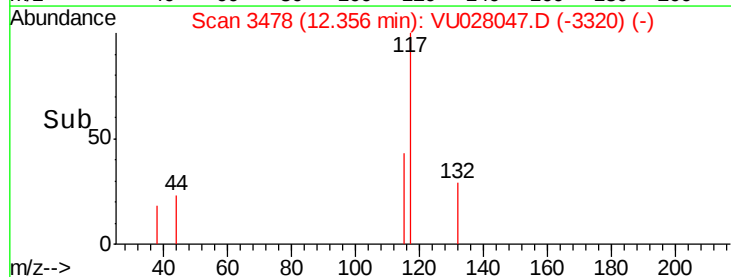
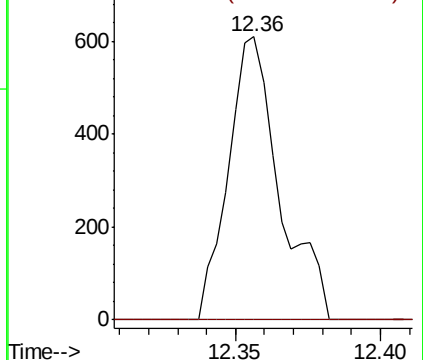
Ion Ratio Lower Upper

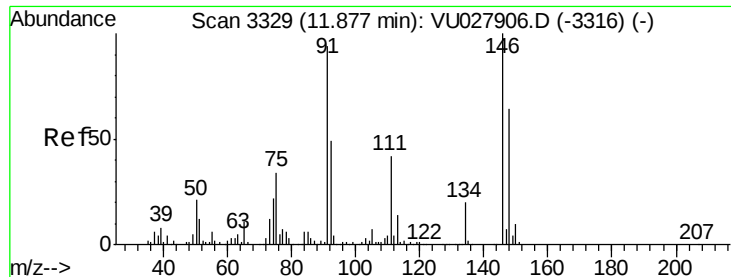
117 100

201 0.0 38.5 115.5#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

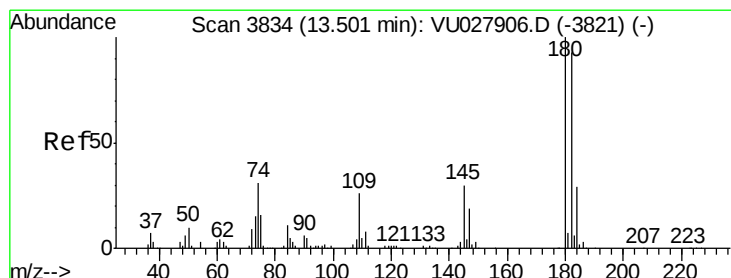
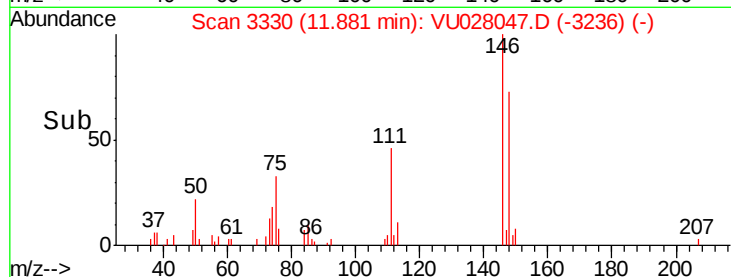
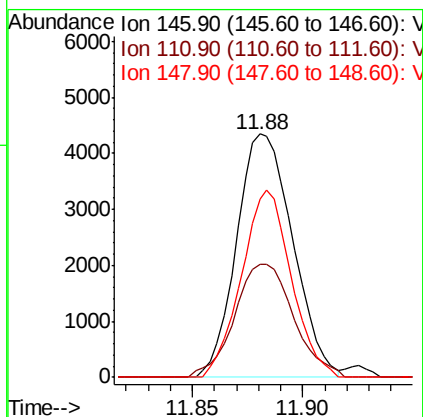
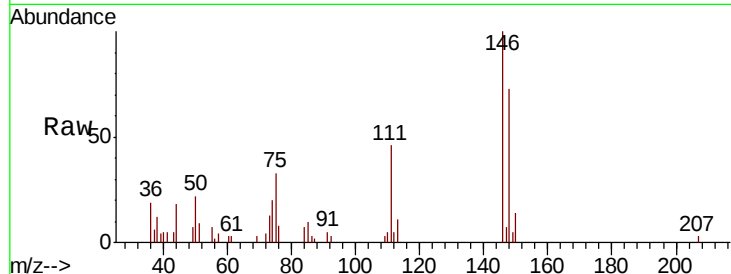




#91
 1,2-Dichlorobenzene
 Concen: 1.266 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

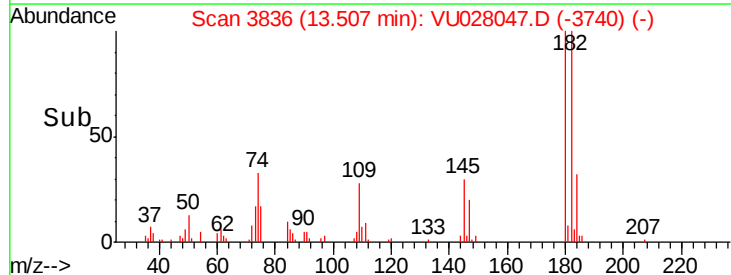
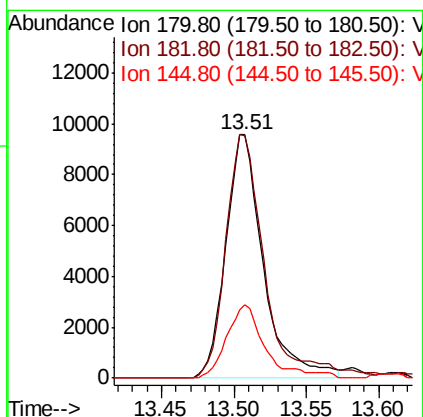
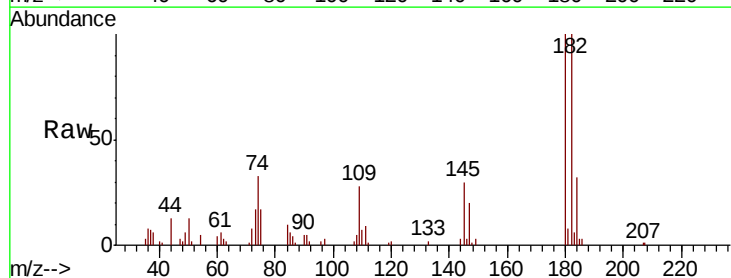
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

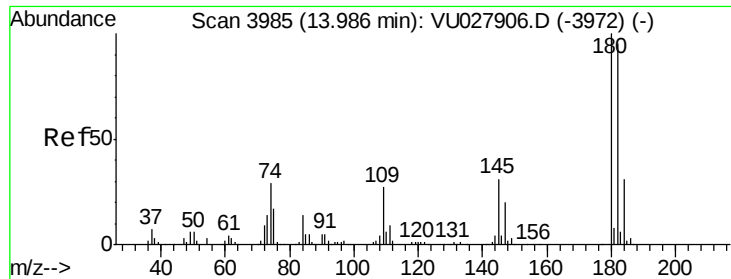
Tot Ion:146 Resp: 7696
 Ion Ratio Lower Upper
 146 100
 111 48.8 21.3 64.0
 148 68.1 31.8 95.3



#93
 1,2,4-Trichlorobenzene
 Concen: 4.671 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

Tgt Ion:180 Resp: 17228
 Ion Ratio Lower Upper
 180 100
 182 104.5 48.4 145.2
 145 29.6 14.9 44.5

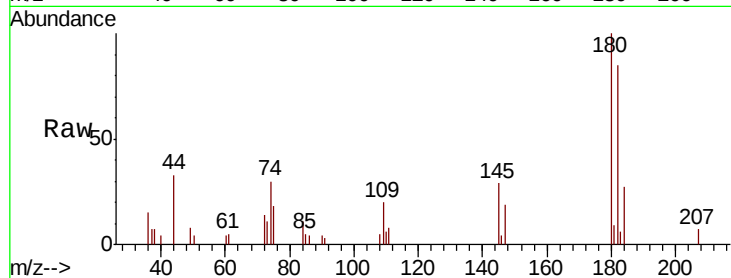




#96
 1,2,3-Trichlorobenzene
 Concen: 1.544 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU028047.D
 Acq: 09 Nov 2018 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.9	47.4	142.3
145	31.7	16.0	47.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

