

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028048.D
 Acq On : 09 Nov 2018 16:33
 Operator : MD/SY
 Sample : J5885-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Nov 12 06:16:53 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	198849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	383478	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	387739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	188247	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	165278	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
35) Dibromofluoromethane	4.89	113	124234	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
50) Toluene-d8	7.57	98	522462	55.94	ug/l	0.00
Spiked Amount			Recovery	=	111.88%	
62) 4-Bromofluorobenzene	10.31	95	199720	57.97	ug/l	0.00
Spiked Amount			Recovery	=	115.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	376181	124.031	ug/l	98
6) Chloroethane	1.40	64	90678	51.881	ug/l #	42
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21113	10.141	ug/l	100
11) Tert butyl alcohol	2.83	59	905	1.156	ug/l #	73
12) 1,1-Dichloroethene	2.29	96	12858	6.170	ug/l	94
13) Acrolein	2.22	56	162	Below Cal	#	15
15) Acrylonitrile	3.00	53	668	0.347	ug/l #	34
16) Acetone	2.32	43	14859	8.101	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	41734	4.966	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	23561	9.796	ug/l	96
25) 2-Butanone	4.27	43	1020	0.350	ug/l #	1
27) cis-1,2-Dichloroethene	4.23	96	6818890	2528.302	ug/l	90
30) Chloroform	4.68	83	4900	1.020	ug/l #	77
31) Cyclohexane	4.99	56	5352	Below Cal	#	1
32) 1,1,1-Trichloroethane	4.92	97	5784	1.513	ug/l	96
36) 1,1-Dichloropropene	4.99	75	17128	4.265	ug/l #	49
38) Carbon Tetrachloride	4.99	117	18220	5.119	ug/l #	16
44) Trichloroethene	6.19	130	1262232	478.210	ug/l	99
45) 1,2-Dichloropropane	6.19	63	4816	1.360	ug/l #	1
52) Toluene	7.65	92	42359	5.868	ug/l	99
53) t-1,3-Dichloropropene	7.65	75	419	1.202	ug/l #	1
55) 1,1,2-Trichloroethane	8.31	97	1993661	678.812	ug/l #	5
65) Chlorobenzene	9.13	112	16472	2.011	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.21	131	18348	6.557	ug/l	96
67) Ethyl Benzene	9.26	91	18592	1.233	ug/l	97
68) m/p-Xylenes	9.38	106	10317	1.886	ug/l	93
69) o-Xylene	9.78	106	54037	9.781	ug/l	98
70) Styrene	9.78	104	2691	0.305	ug/l #	1
73) Isopropylbenzene	10.17	105	73788	5.060	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	103407	20.083	ug/l #	35
78) n-propylbenzene	10.59	91	105325	6.034	ug/l	98
79) 2-Chlorotoluene	10.68	91	20925	2.000	ug/l #	58
80) 1,3,5-Trimethylbenzene	10.77	105	27446	2.272	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.31	75	103407	50.141	ug/l #	100

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Quant Title : SW846 8260
QLast Update : Fri Nov 02 02:28:20 2018
Response via : Initial Calibration

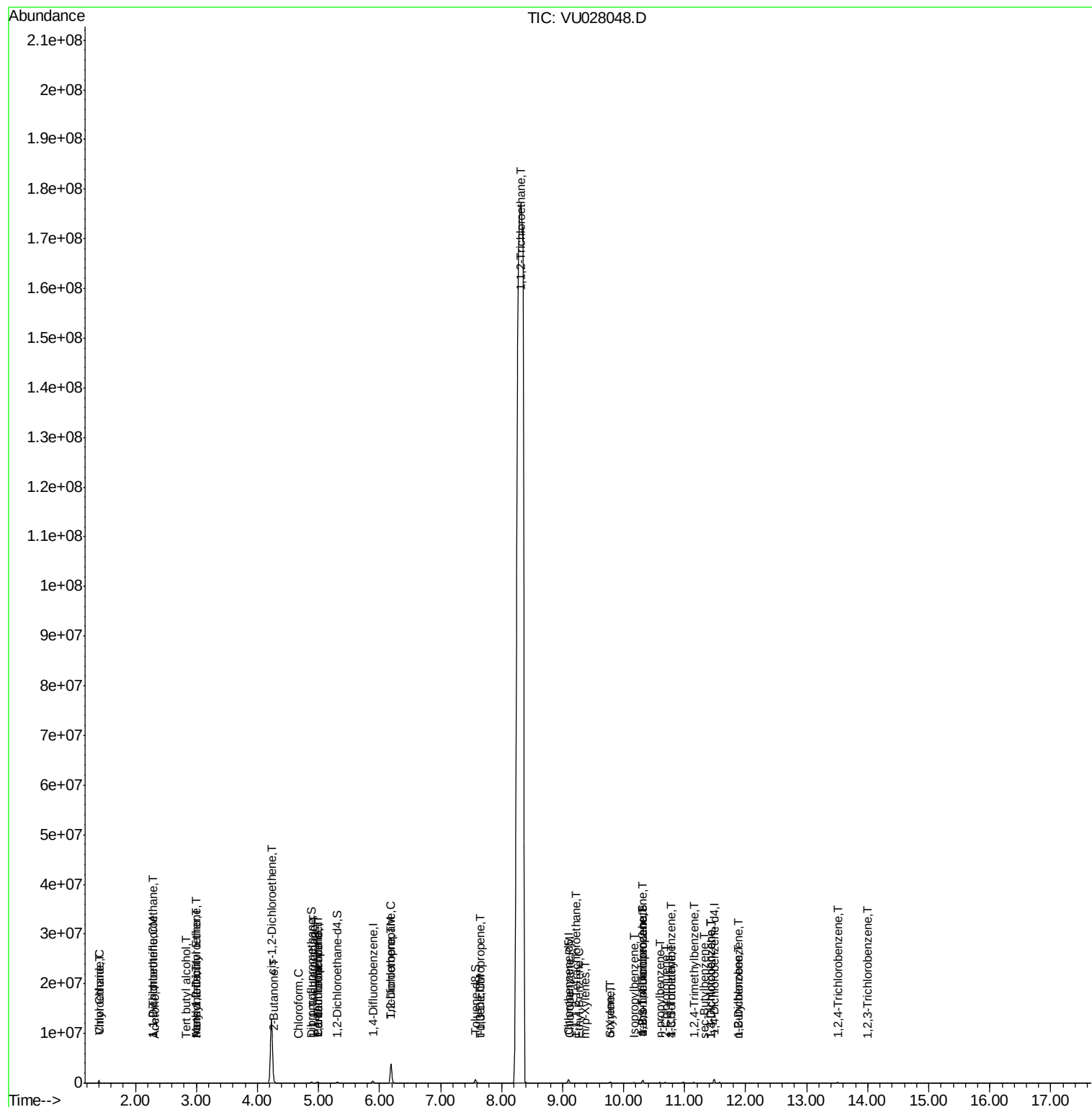
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	10.77	91	3696	0.311	ug/l #	52
84) 1,2,4-Trimethylbenzene	11.15	105	73967	6.080	ug/l	98
85) sec-Butylbenzene	11.33	105	3958	0.269	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	2008	0.325	ug/l	99
88) 1,4-Dichlorobenzene	11.42	146	2008	0.317	ug/l	100
89) n-Butylbenzene	11.90	91	3241	0.278	ug/l #	68
91) 1,2-Dichlorobenzene	11.88	146	15601	2.511	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	40145	9.773	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	13332	3.198	ug/l	96

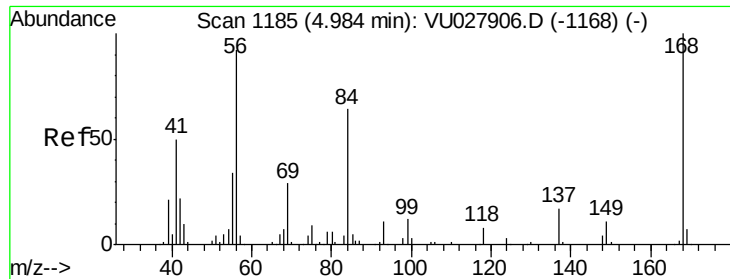
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

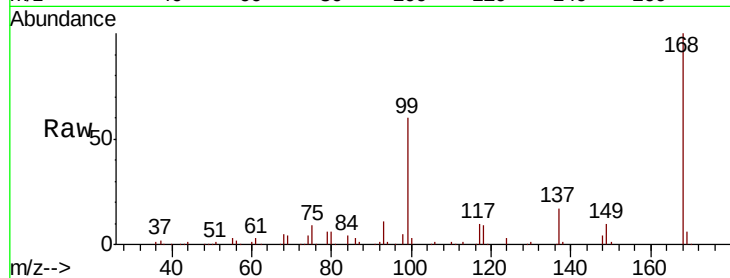
MW-4

Tot Ion:168 Resp: 198849

Ion Ratio Lower Upper

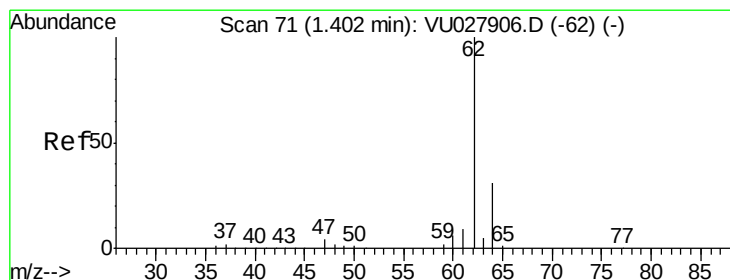
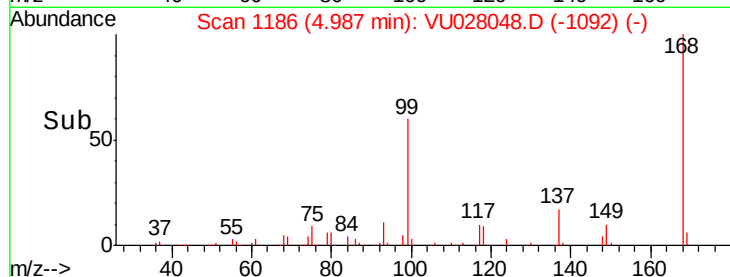
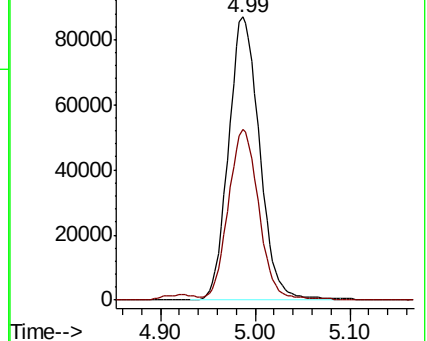
168 100

99 60.1 47.9 71.9



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

Ion 98.90 (98.60 to 99.60): VU028048.D (-1092) (-)



#4

Vinyl Chloride

Concen: 124.031 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028048.D

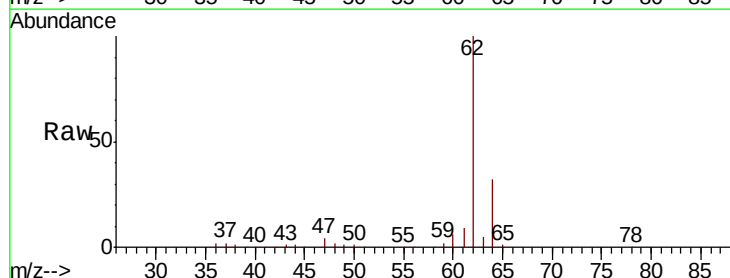
Acq: 09 Nov 2018 16:33

Tgt Ion: 62 Resp: 376181

Ion Ratio Lower Upper

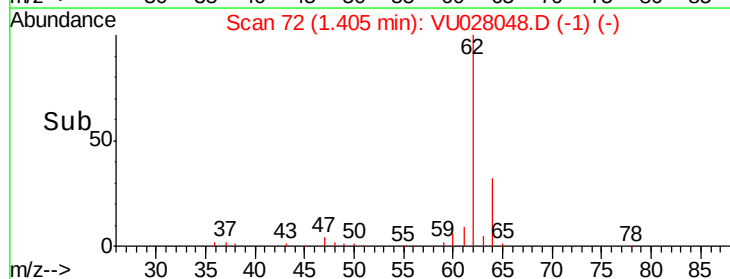
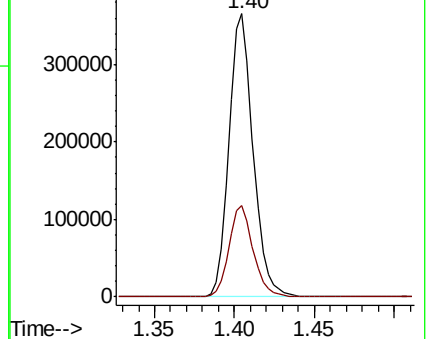
62 100

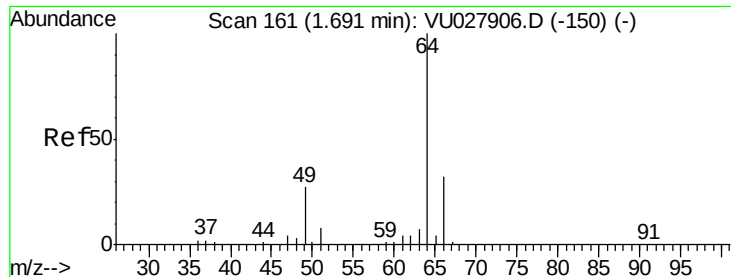
64 32.4 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU027906.D (-62) (-)

Ion 63.90 (63.60 to 64.60): VU028048.D (-1) (-)





#6

Chloroethane

Concen: 51.881 ug/l

RT: 1.40 min Scan# 72

Delta R.T. -0.29 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

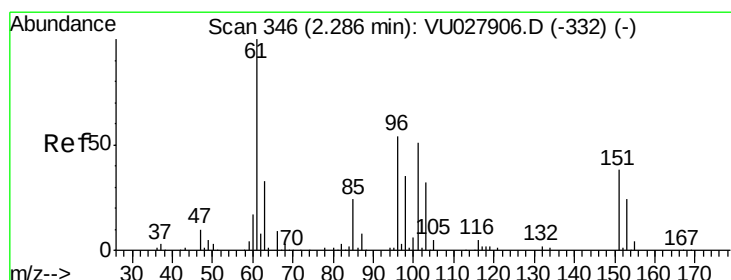
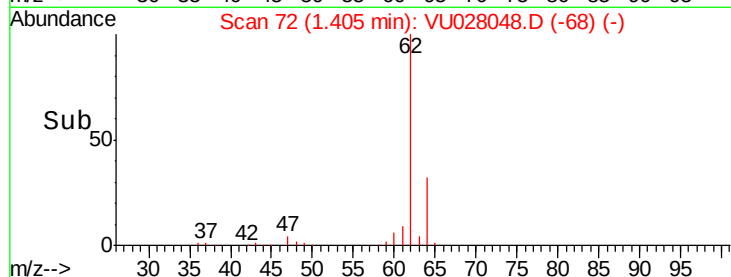
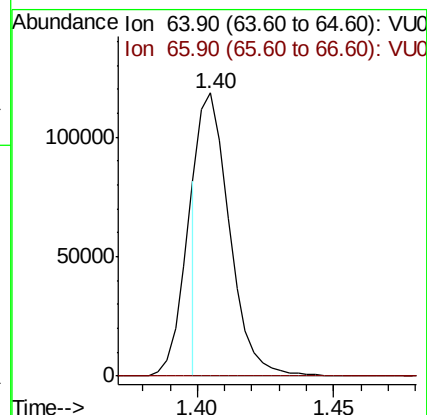
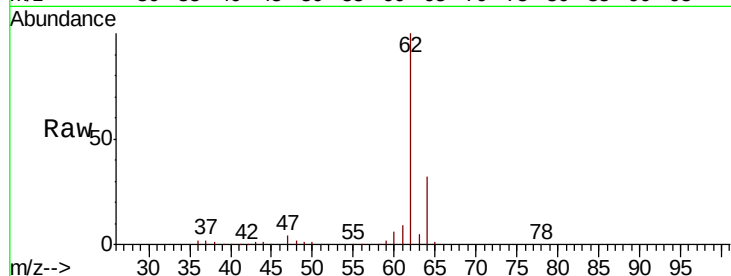
MW-4

Tot Ion: 64 Resp: 90678

Ion Ratio Lower Upper

64 100

66 0.0 25.9 38.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.141 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

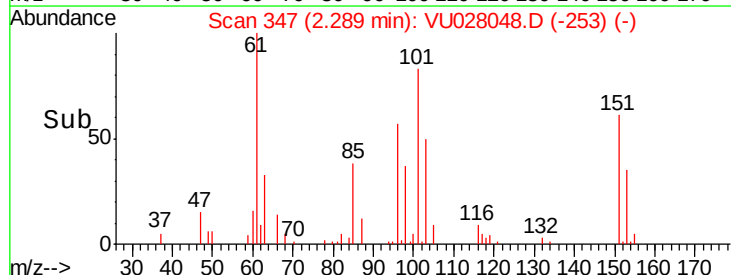
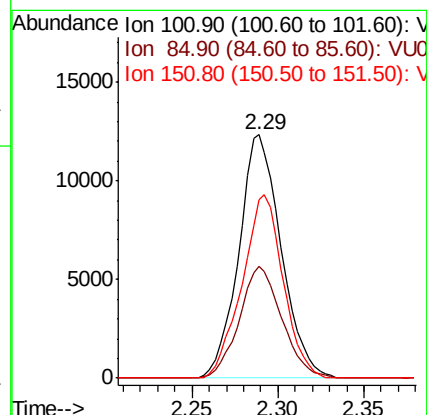
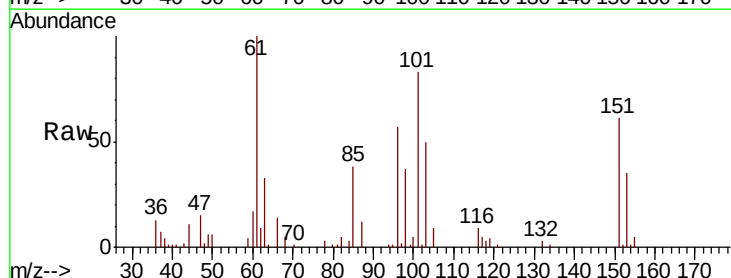
Tgt Ion: 101 Resp: 21113

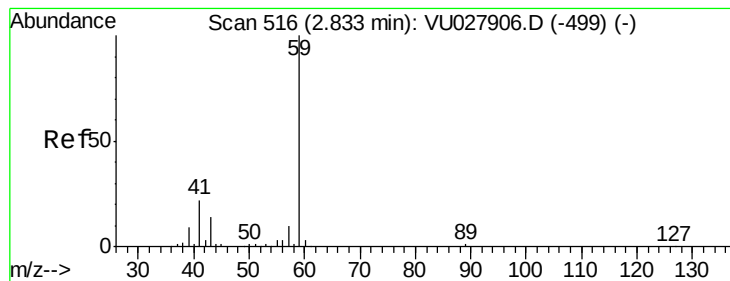
Ion Ratio Lower Upper

101 100

85 46.3 36.9 55.3

151 72.9 58.0 87.0



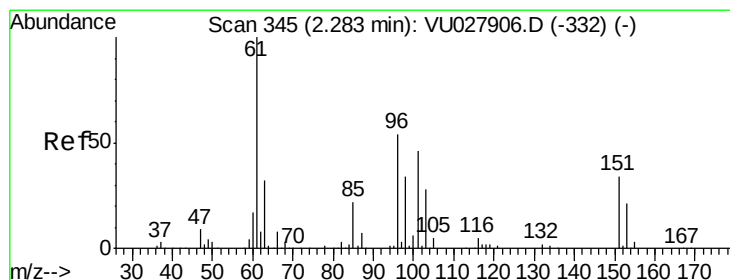
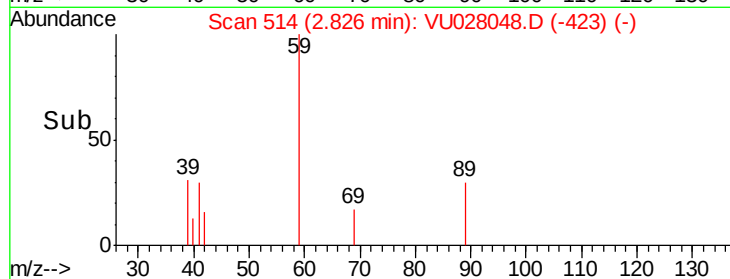
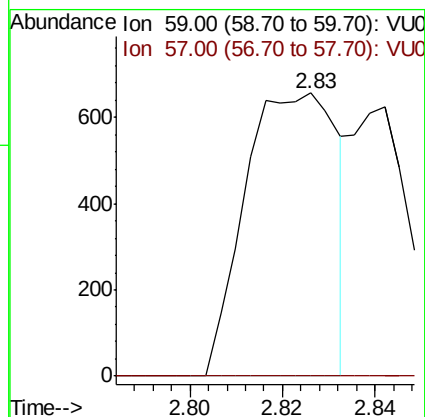
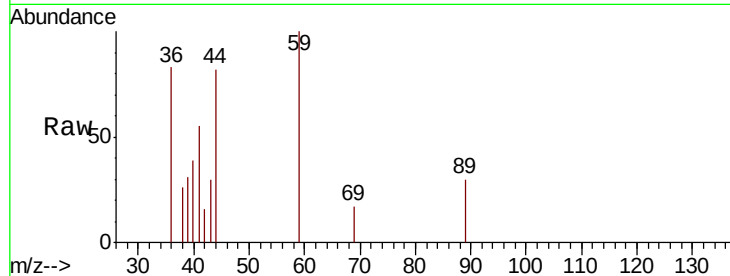


#11

Tert butyl alcohol
Concen: 1.156 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampled :
MW-4

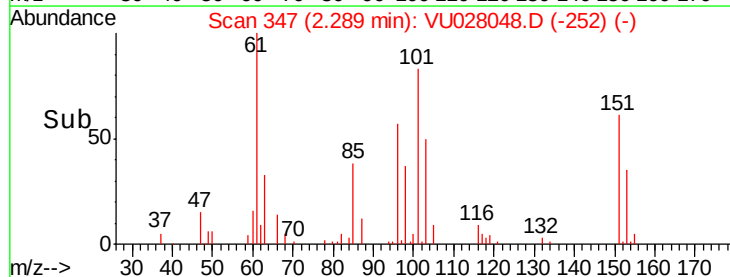
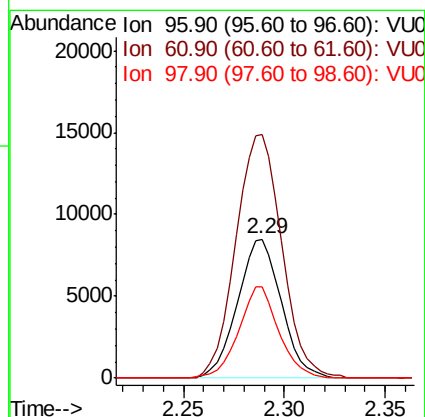
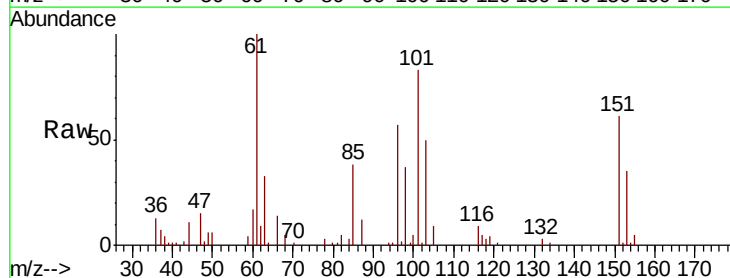
Tot Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

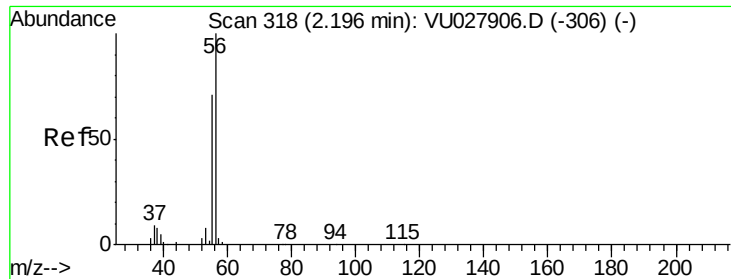


#12

1,1-Dichloroethene
Concen: 6.170 ug/l
RT: 2.29 min Scan# 347
Delta R.T. 0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Tgt Ion: 96 Resp: 12858
Ion Ratio Lower Upper
96 100
61 175.5 149.3 223.9
98 65.6 50.6 75.8





#13

Acrolein

Concen: Below Cal

RT: 2.22 min Scan# 324

Delta R.T. 0.02 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

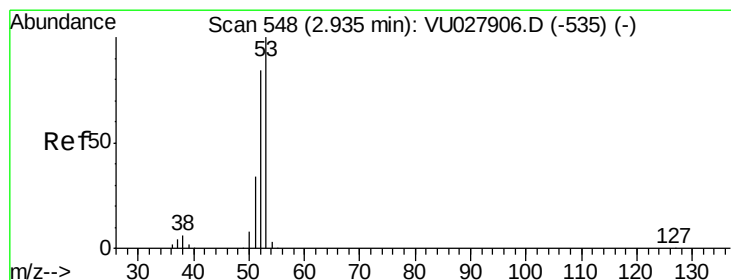
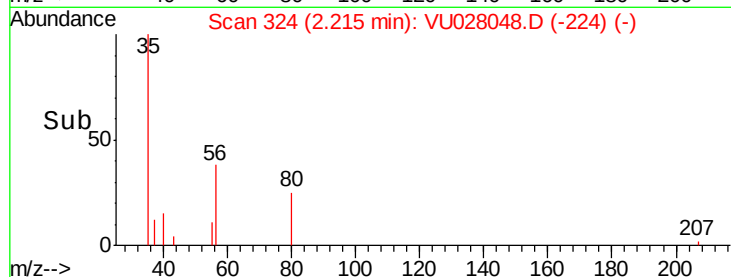
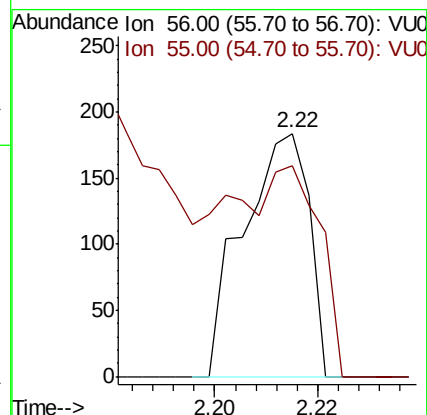
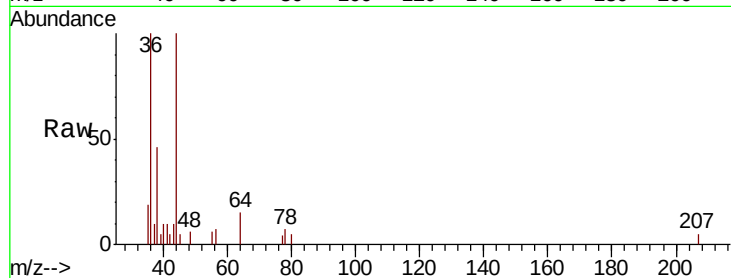
MW-4

Tot Ion: 56 Resp: 162

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#15

Acrylonitrile

Concen: 0.347 ug/l

RT: 3.00 min Scan# 567

Delta R.T. 0.06 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

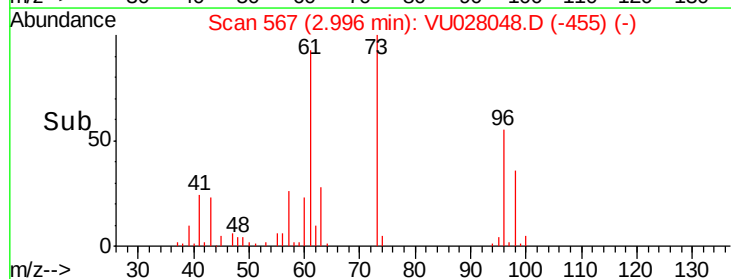
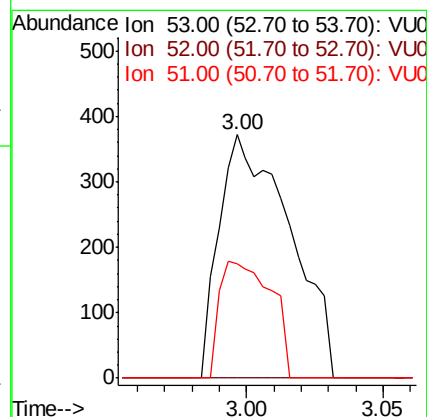
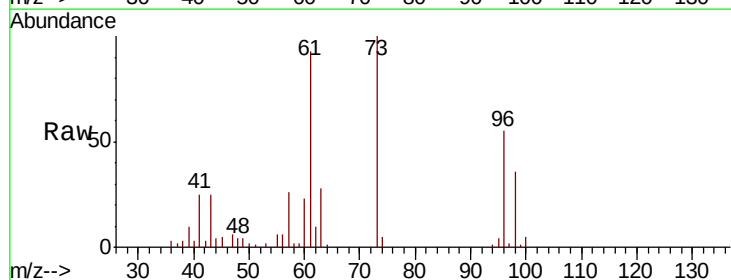
Tgt Ion: 53 Resp: 668

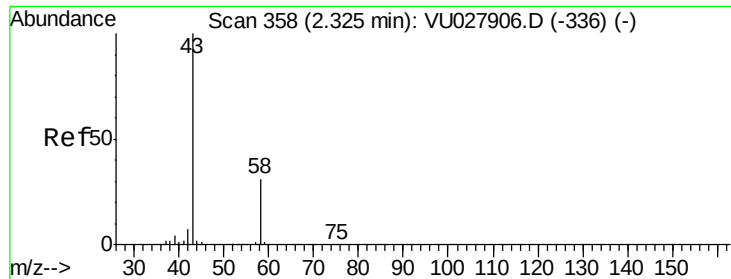
Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 35.0 27.0 40.4





#16

Acetone

Concen: 8.101 ug/l

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

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ClientSampleId :

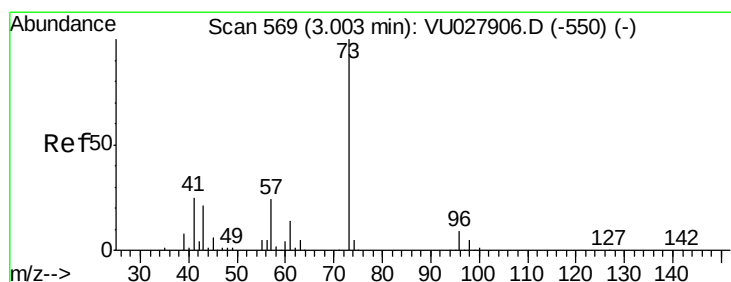
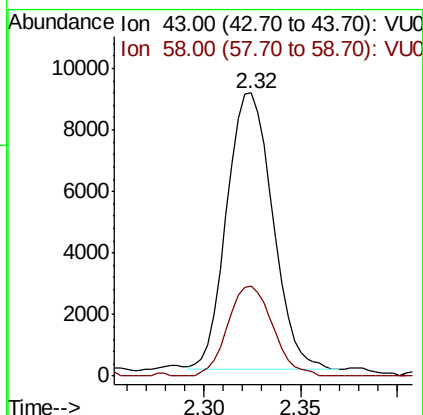
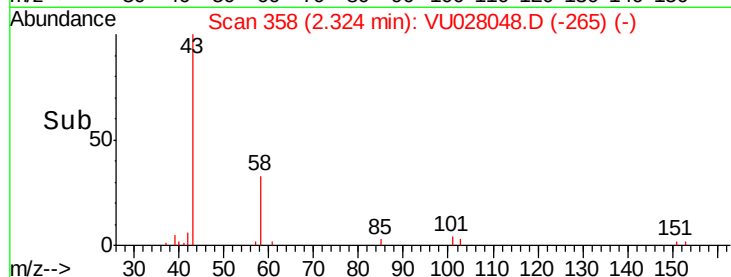
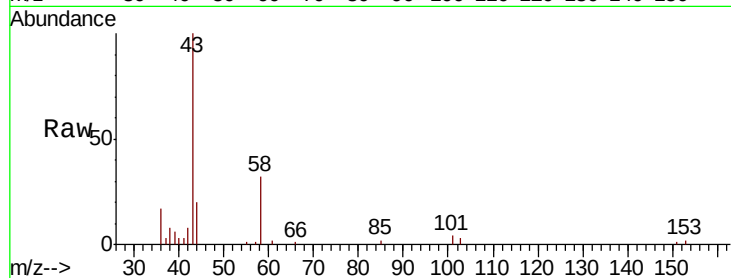
MW-4

Tot Ion: 43 Resp: 14859

Ion Ratio Lower Upper

43 100

58 32.6 24.6 37.0



#19

Methyl tert-butyl Ether

Concen: 4.966 ug/l

RT: 3.00 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU028048.D

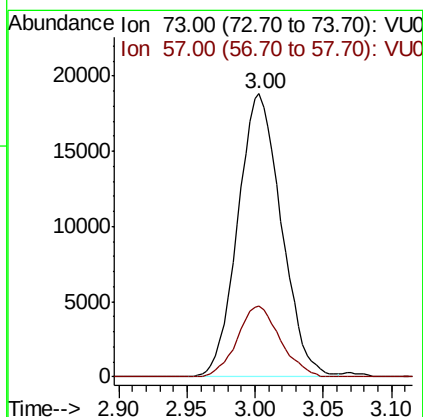
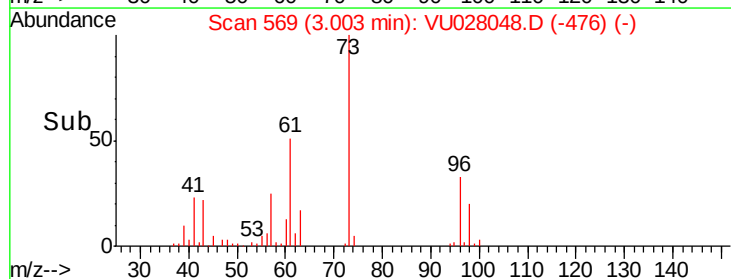
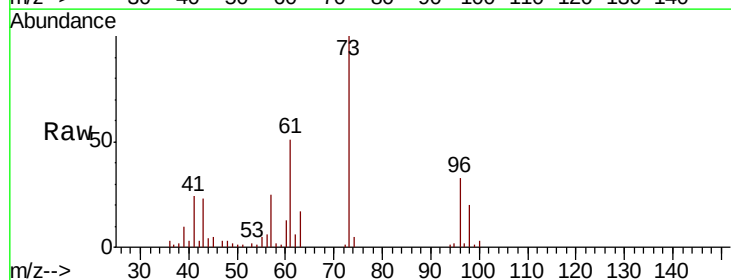
Acq: 09 Nov 2018 16:33

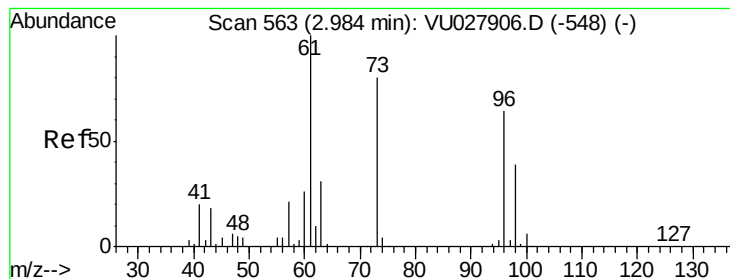
Tgt Ion: 73 Resp: 41734

Ion Ratio Lower Upper

73 100

57 25.1 19.3 28.9





#21

trans-1,2-Dichloroethene

Concen: 9.796 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MW-4

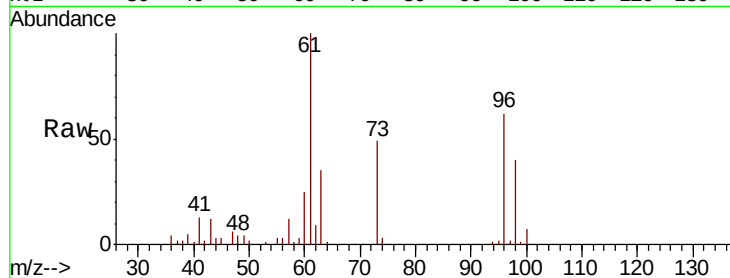
Tot Ion: 96 Resp: 23561

Ion Ratio Lower Upper

96 100

61 160.8 125.0 187.6

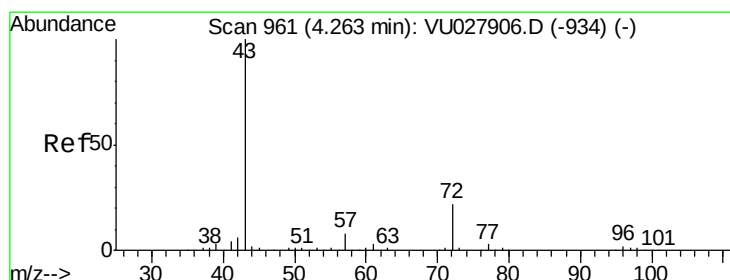
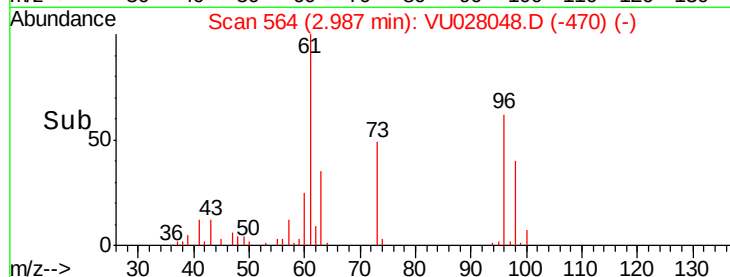
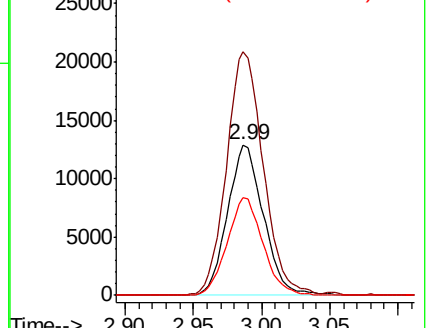
98 64.8 48.2 72.4



Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)



#25

2-Butanone

Concen: 0.350 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU028048.D

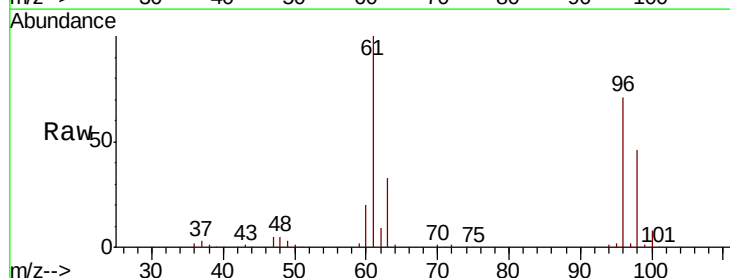
Acq: 09 Nov 2018 16:33

Tgt Ion: 43 Resp: 1020

Ion Ratio Lower Upper

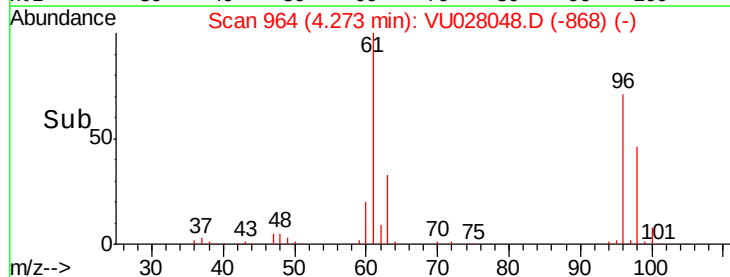
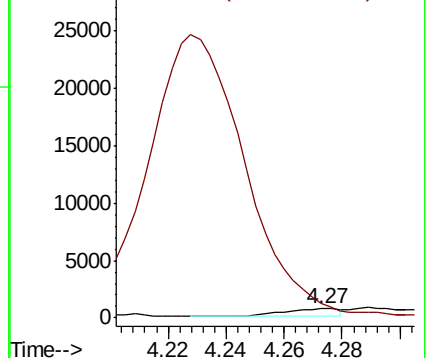
43 100

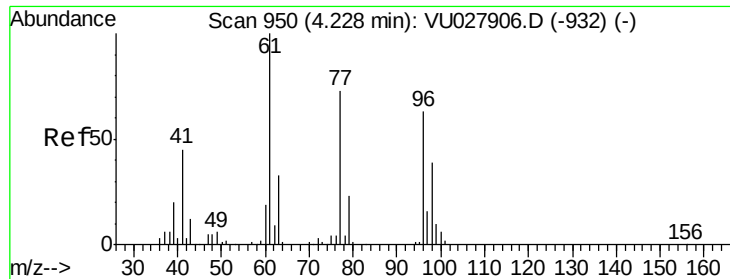
72 94.1 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-934) (-)



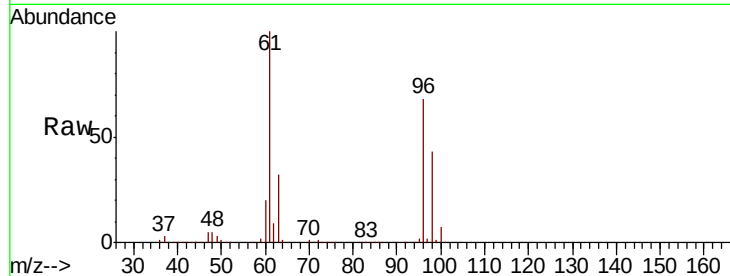


#27

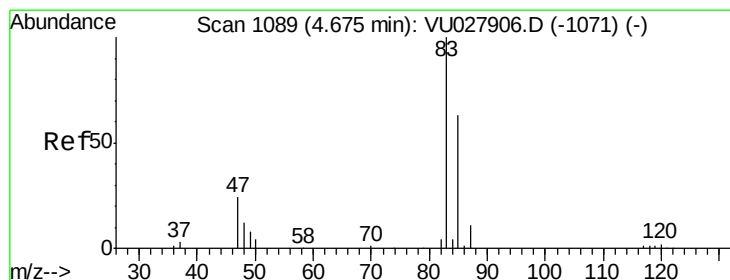
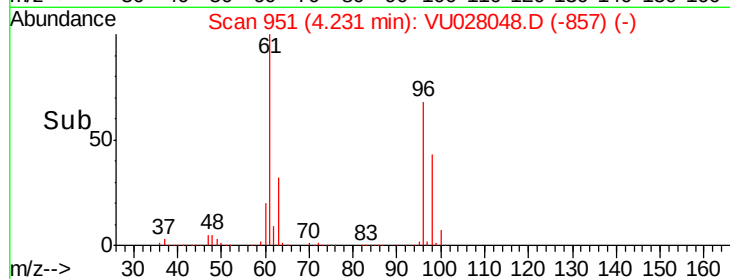
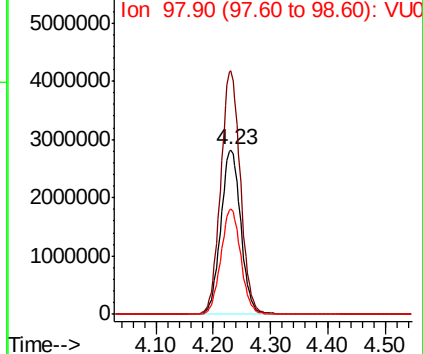
cis-1,2-Dichloroethene
 Concen: 2528.302 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Tot Ion: 96 Resp: 6818890
 Ion Ratio Lower Upper
 96 100
 61 146.4 0.0 329.6
 98 63.8 0.0 127.2



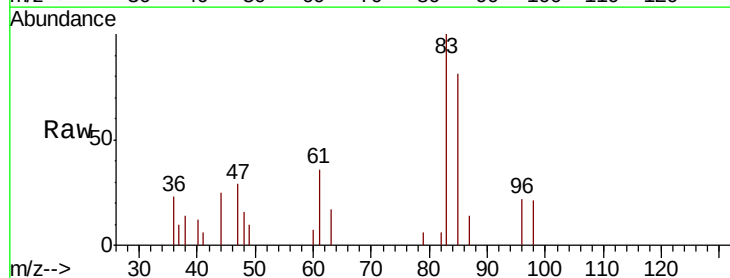
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



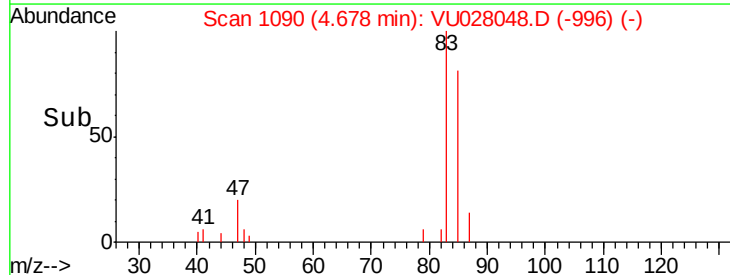
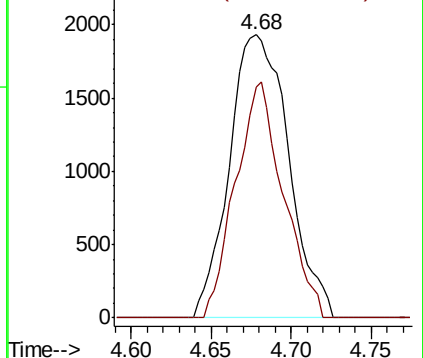
#30

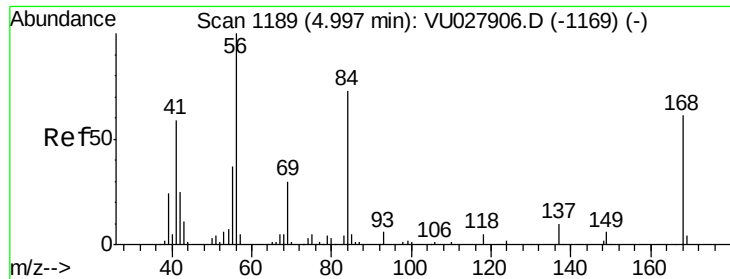
Chloroform
 Concen: 1.020 ug/l
 RT: 4.68 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Tgt Ion: 83 Resp: 4900
 Ion Ratio Lower Upper
 83 100
 85 81.4 50.6 76.0#



Abundance Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0

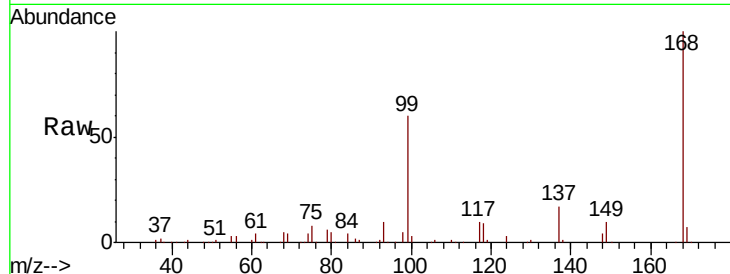




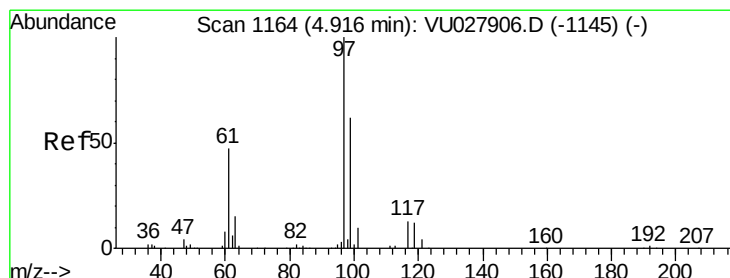
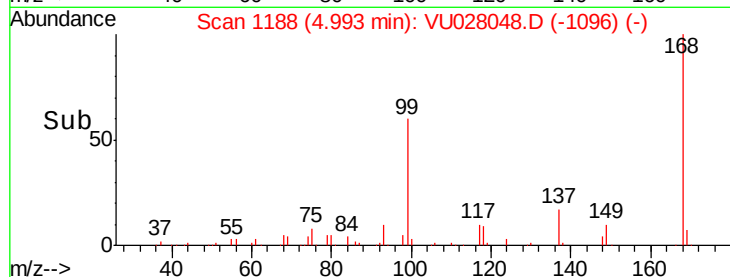
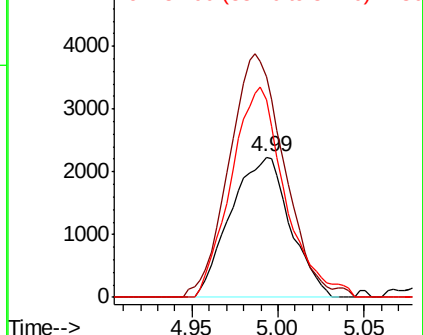
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampled :
MW-4

Tot Ion: 56 Resp: 5352
Ion Ratio Lower Upper
56 100
69 151.9 23.7 35.5#
84 141.4 58.2 87.4#

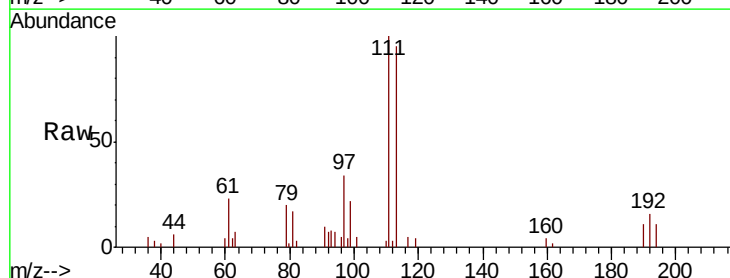


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

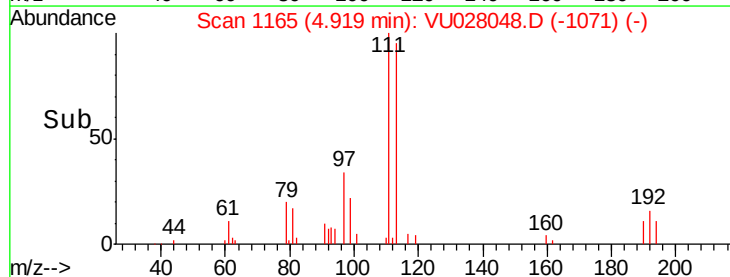
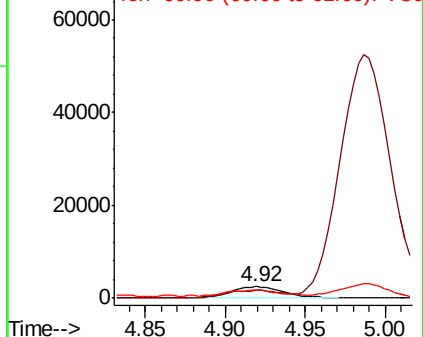


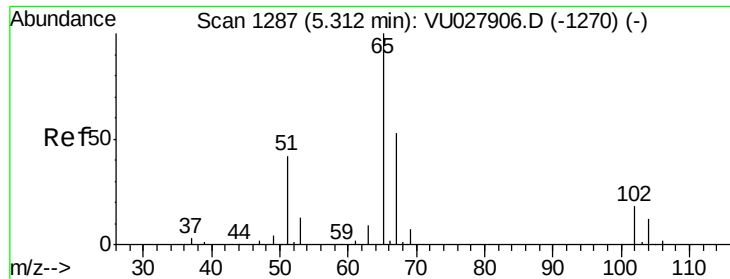
#32
1,1,1-Trichloroethane
Concen: 1.513 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Tgt Ion: 97 Resp: 5784
Ion Ratio Lower Upper
97 100
99 66.4 50.5 75.7
61 50.3 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

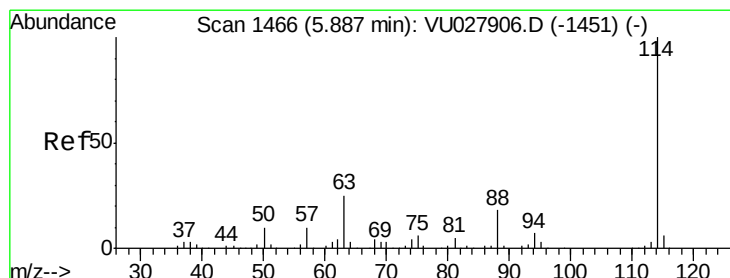
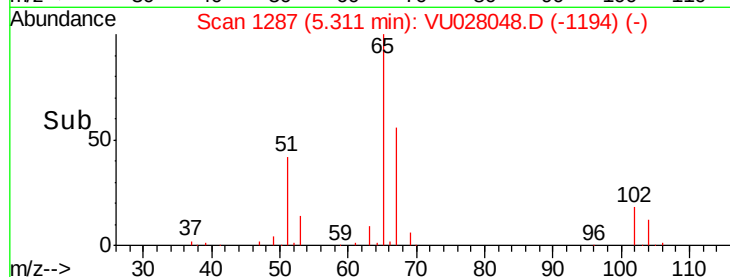
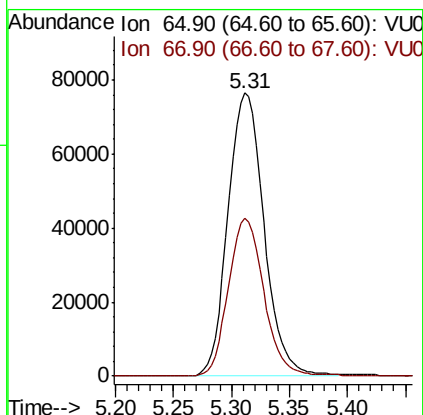
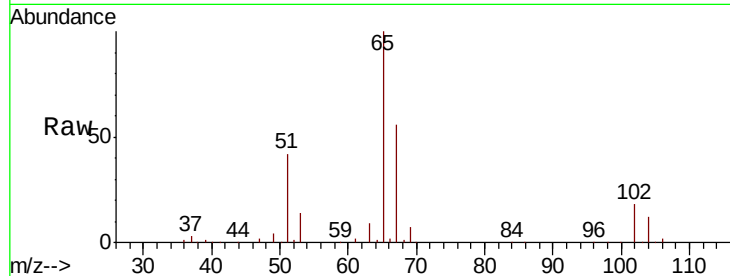




#33
 1,2-Dichloroethane-d4
 Concen: 55.905 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

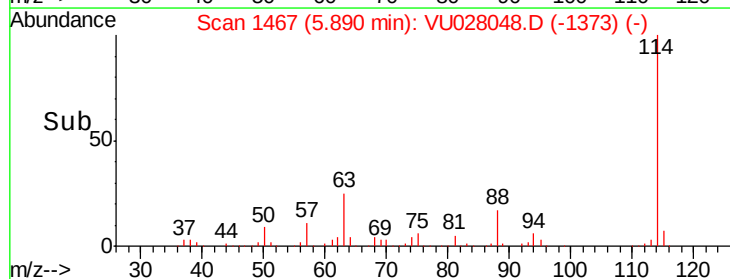
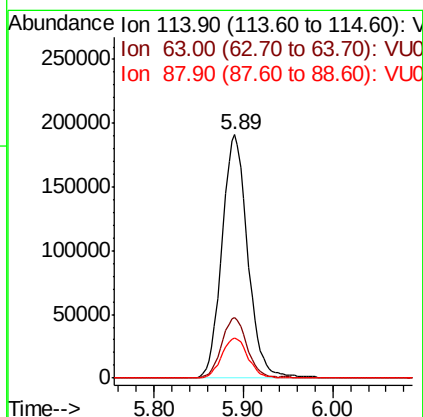
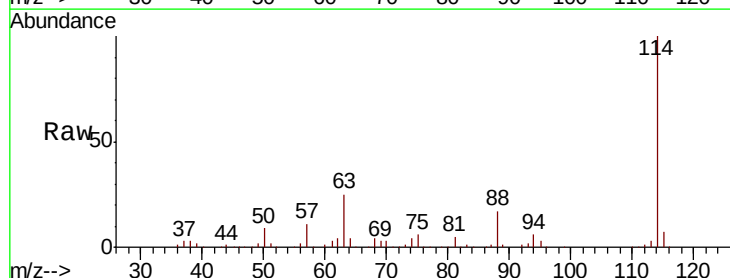
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

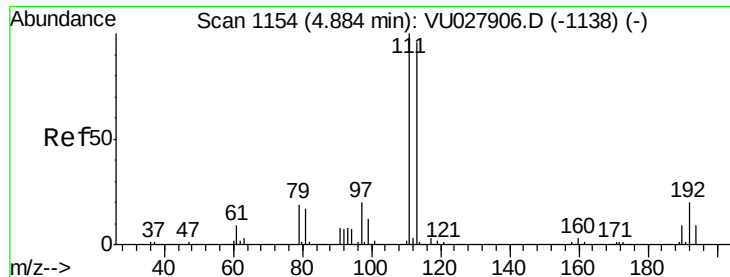
Tot Ion: 65 Resp: 165278
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Tgt Ion: 114 Resp: 383478
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.8
 88 16.5 0.0 35.8





#35

Dibromofluoromethane

Concen: 51.381 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

MW-4

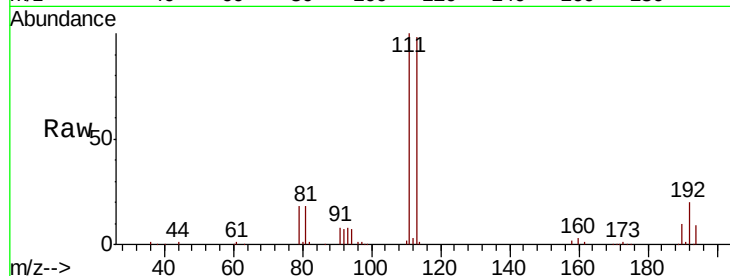
Tot Ion:113 Resp: 124234

Ion Ratio Lower Upper

113 100

111 102.9 83.0 124.6

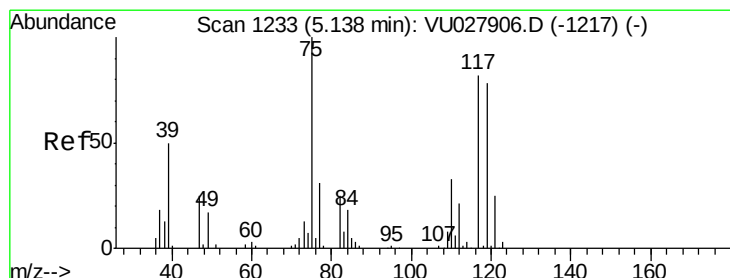
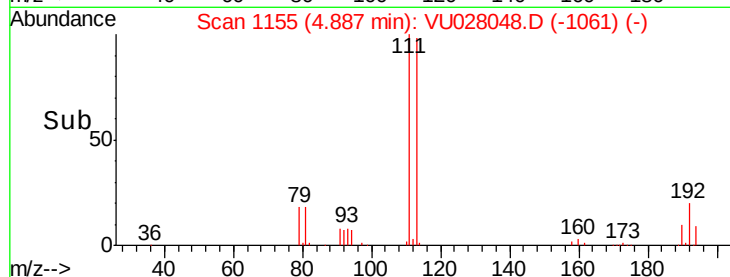
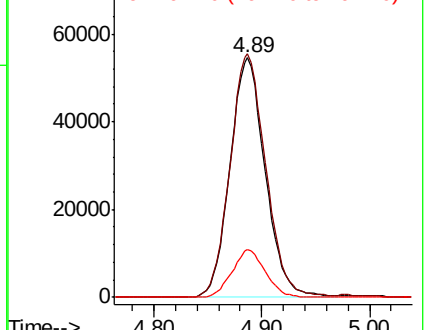
192 18.7 15.6 23.4



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: 4.265 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

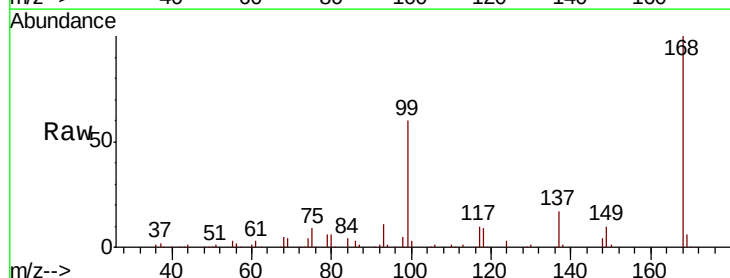
Tgt Ion: 75 Resp: 17128

Ion Ratio Lower Upper

75 100

110 7.6 16.5 49.5#

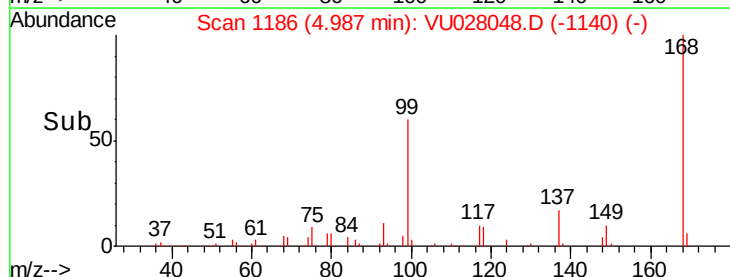
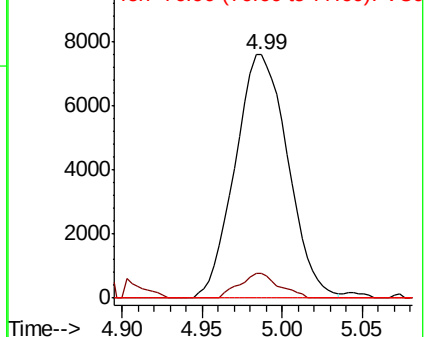
77 0.0 24.9 37.3#

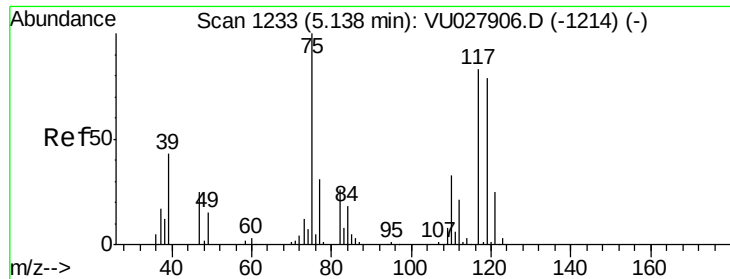


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.119 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MW-4

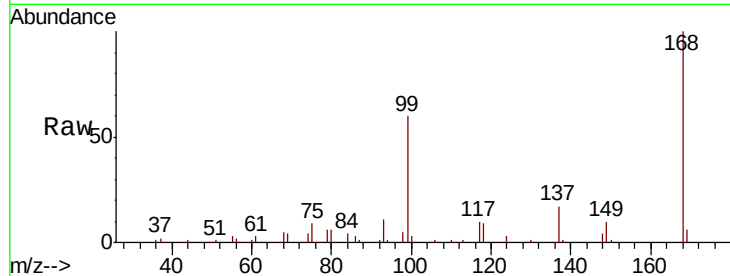
Tot Ion:117 Resp: 18220

Ion Ratio Lower Upper

117 100

119 5.0 76.0 114.0#

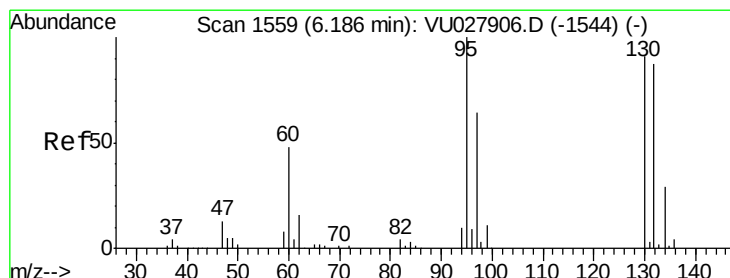
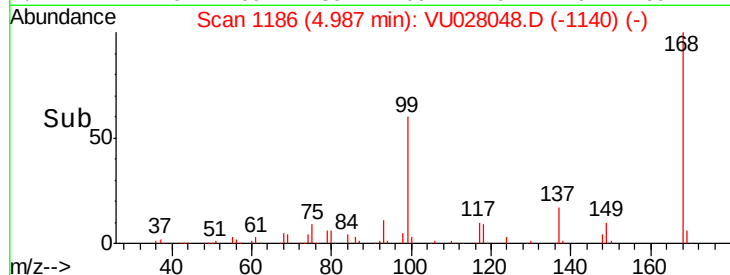
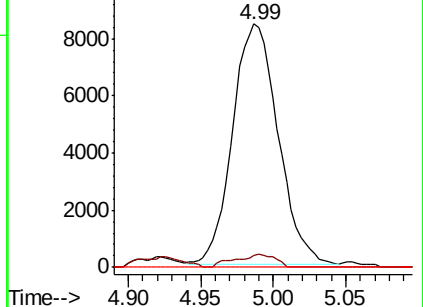
121 0.0 24.5 36.7#



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



#44

Trichloroethene

Concen: 478.210 ug/l

RT: 6.19 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VU028048.D

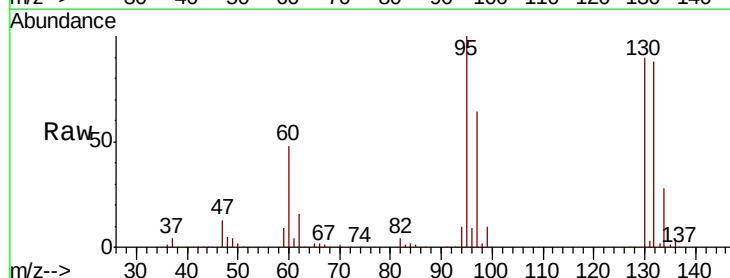
Acq: 09 Nov 2018 16:33

Tgt Ion:130 Resp: 1262232

Ion Ratio Lower Upper

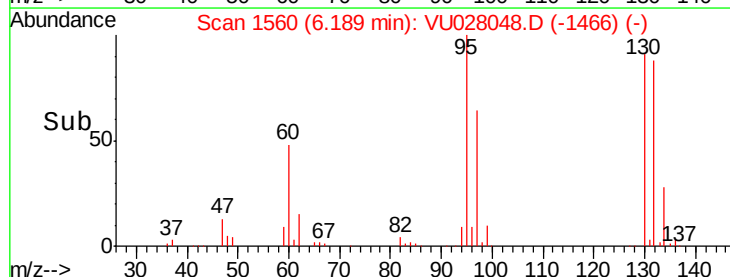
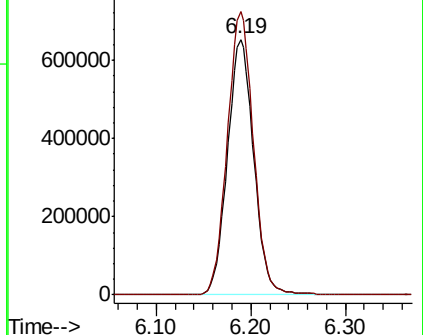
130 100

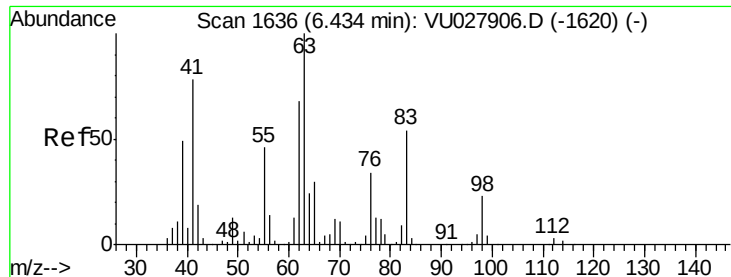
95 110.7 0.0 219.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

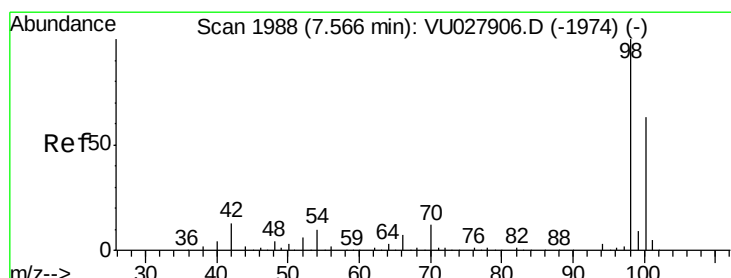
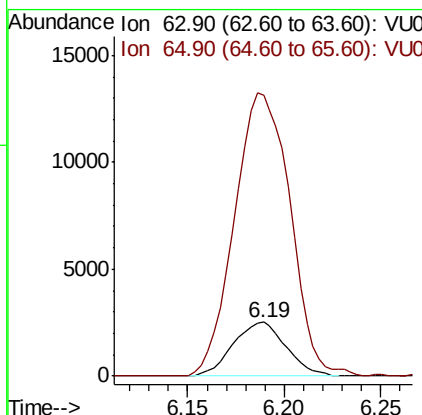
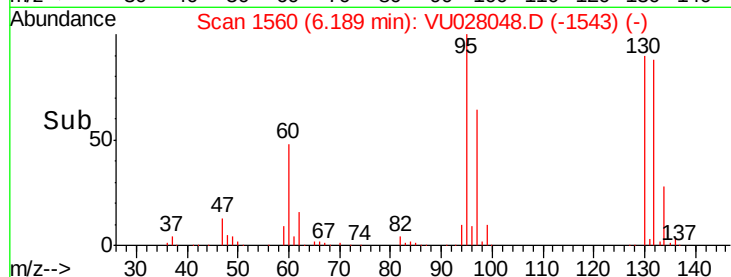
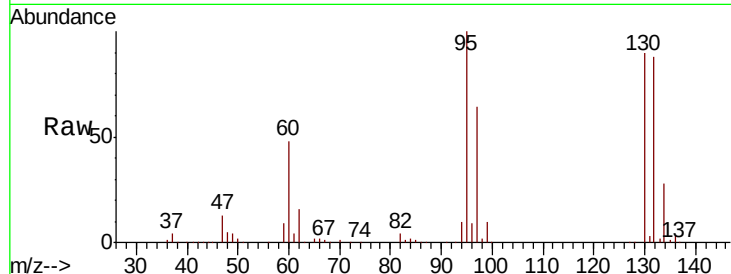




#45
 1,2-Dichloropropane
 Concen: 1.360 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. -0.24 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

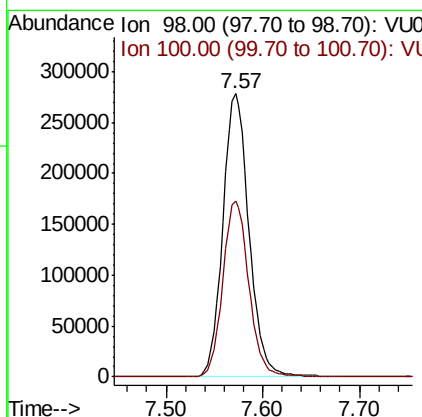
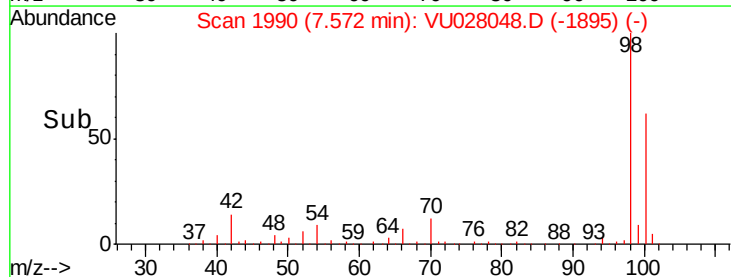
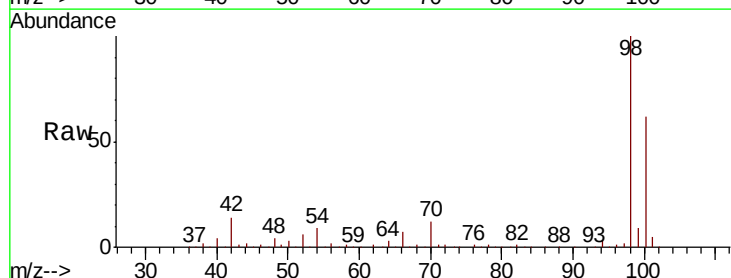
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

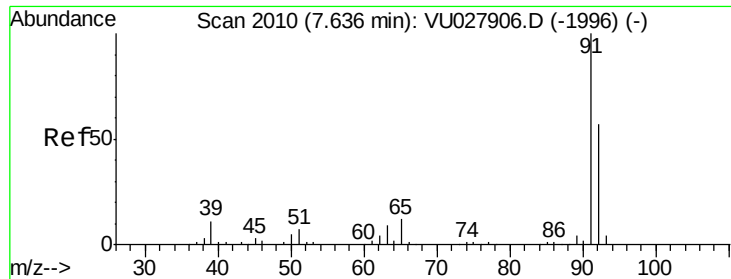
Tot Ion: 63 Resp: 4816
 Ion Ratio Lower Upper
 63 100
 65 517.9 24.4 36.6#



#50
 Toluene-d8
 Concen: 55.938 ug/l
 RT: 7.57 min Scan# 1990
 Delta R.T. 0.01 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Tgt Ion: 98 Resp: 522462
 Ion Ratio Lower Upper
 98 100
 100 62.2 50.1 75.1





#52

Toluene

Concen: 5.868 ug/l

RT: 7.65 min Scan# 2013

Delta R.T. 0.01 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

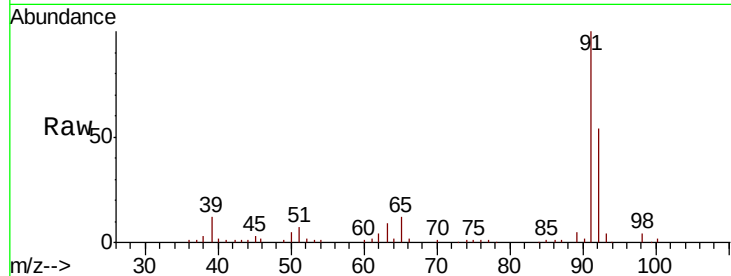
MW-4

Tot Ion: 92 Resp: 42359

Ion Ratio Lower Upper

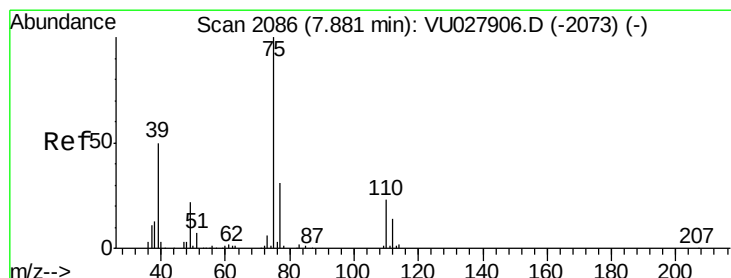
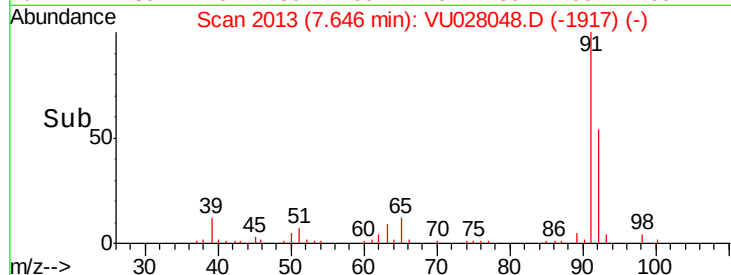
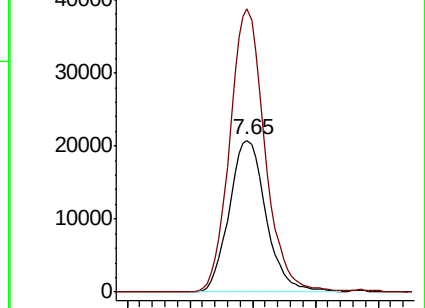
92 100

91 178.1 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 1.202 ug/l

RT: 7.65 min Scan# 2014

Delta R.T. -0.23 min

Lab File: VU028048.D

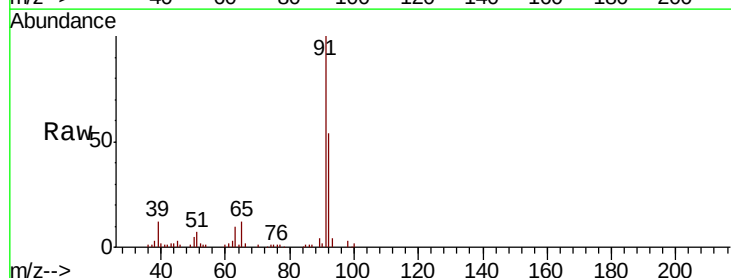
Acq: 09 Nov 2018 16:33

Tgt Ion: 75 Resp: 419

Ion Ratio Lower Upper

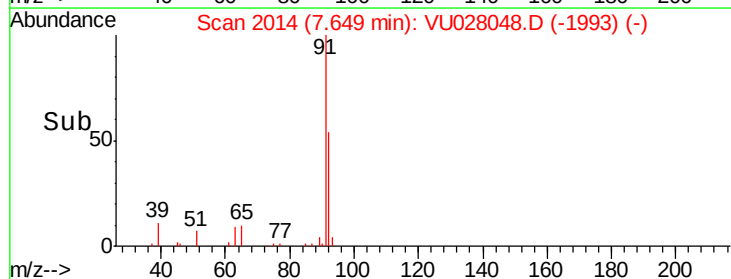
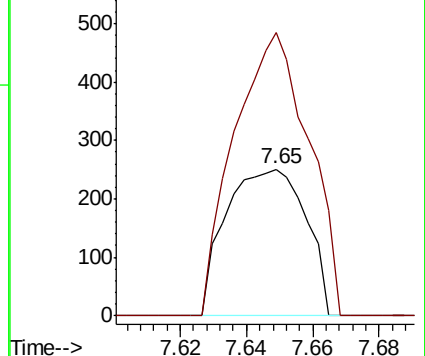
75 100

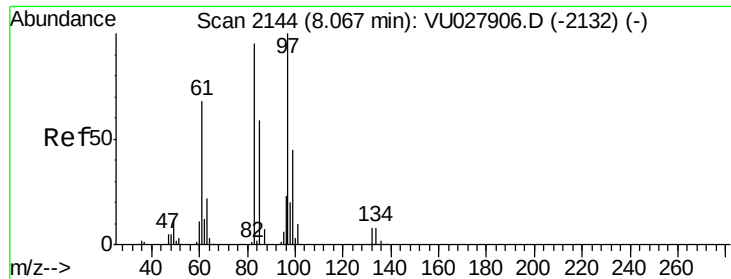
77 192.8 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#55

1,1,2-Trichloroethane

Concen: 678.812 ug/l

RT: 8.31 min Scan# 2219

Delta R.T. 0.24 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

MW-4

Tot Ion: 97 Resp: 1993661

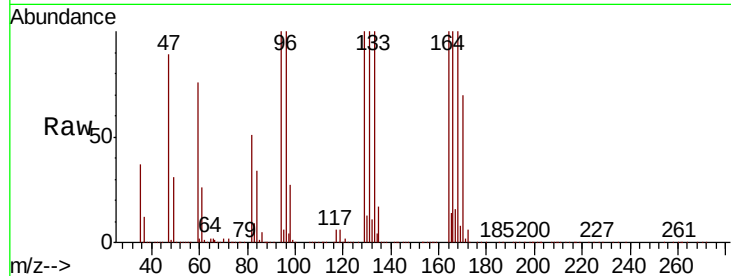
Ion Ratio Lower Upper

97 100

83 246.0 76.1 114.1#

85 33.9 48.9 73.3#

99 16.0 52.0 78.0#



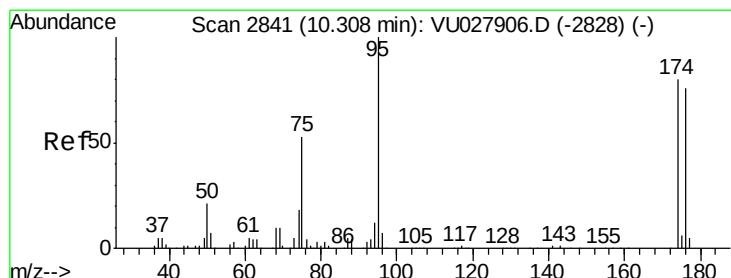
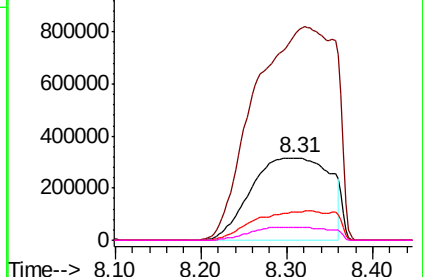
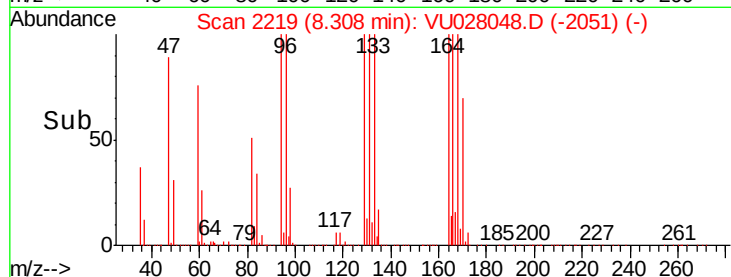
Abundance Ion 96.90 (96.60 to 97.60): VU0

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

Time--> 8.10 8.20 8.30 8.40



#62

4-Bromofluorobenzene

Concen: 57.973 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

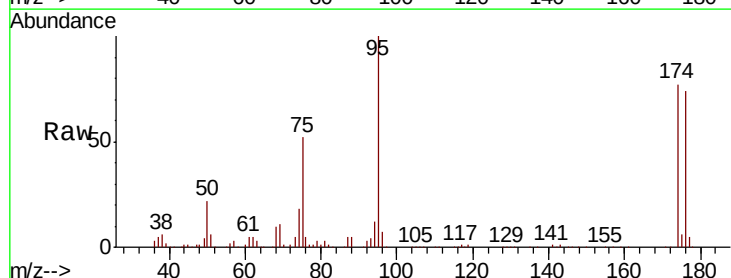
Tgt Ion: 95 Resp: 199720

Ion Ratio Lower Upper

95 100

174 76.5 0.0 156.4

176 73.7 0.0 150.8

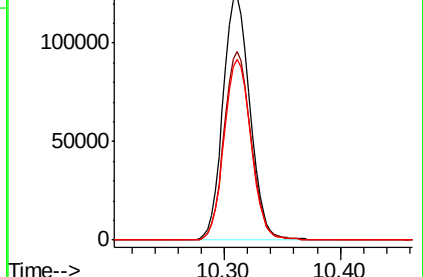
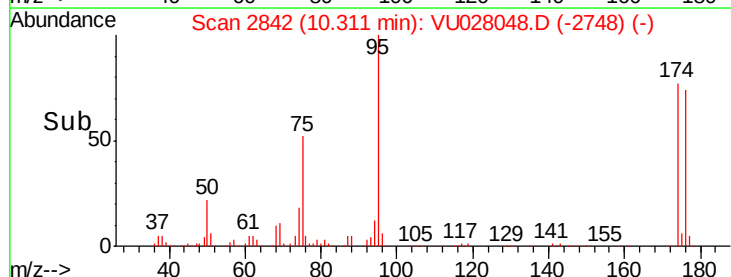


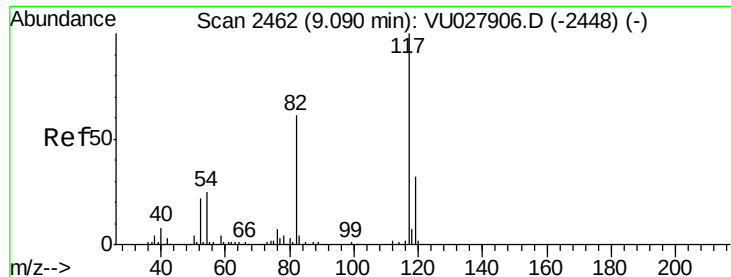
Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

Time--> 10.30 10.40

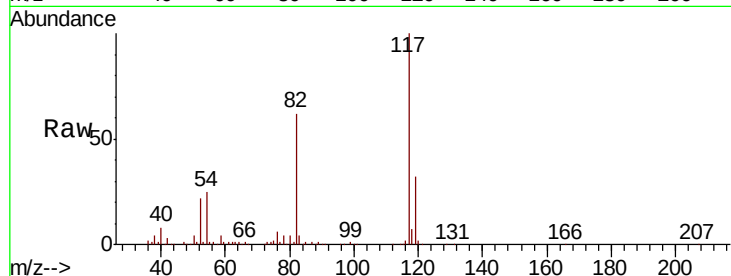




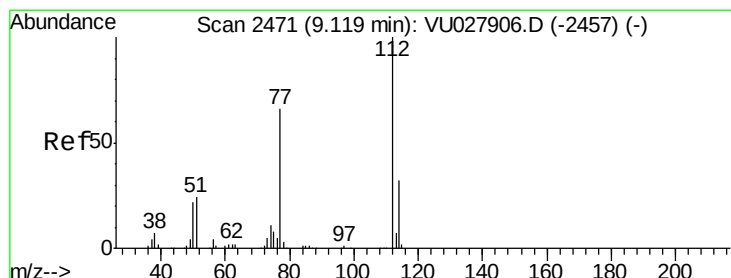
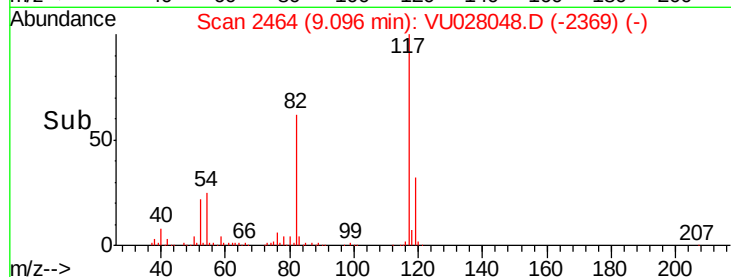
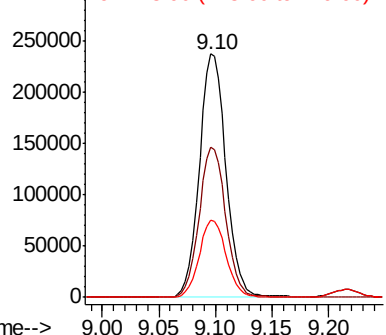
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2464
Delta R.T. 0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :
MW-4

Tot Ion:117 Resp: 387739
Ion Ratio Lower Upper
117 100
82 61.6 48.6 73.0
119 31.7 25.8 38.8

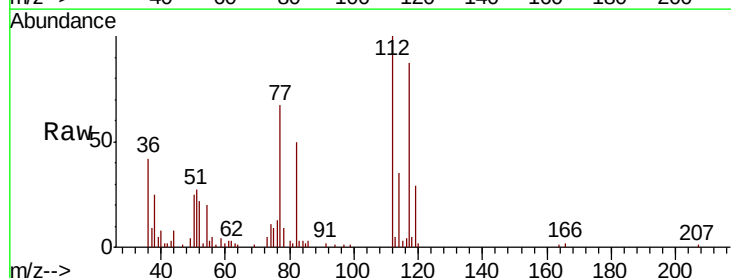


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

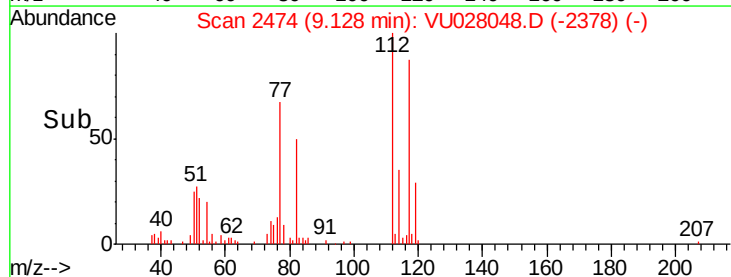
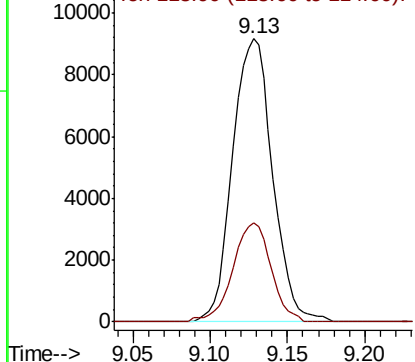


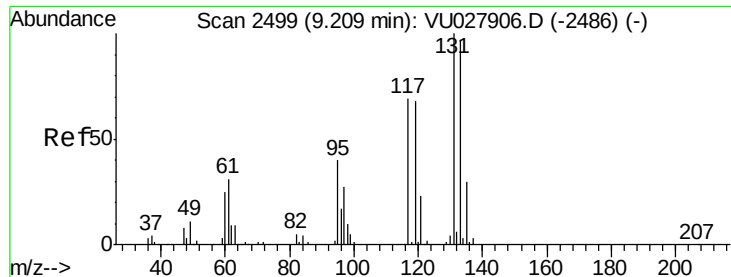
#65
Chlorobenzene
Concen: 2.011 ug/l
RT: 9.13 min Scan# 2474
Delta R.T. 0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Tgt Ion:112 Resp: 16472
Ion Ratio Lower Upper
112 100
114 34.9 25.2 37.8



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





#66

1,1,1,2-Tetrachloroethane

Concen: 6.557 ug/l

RT: 9.21 min Scan# 2501

Delta R.T. 0.01 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

MW-4

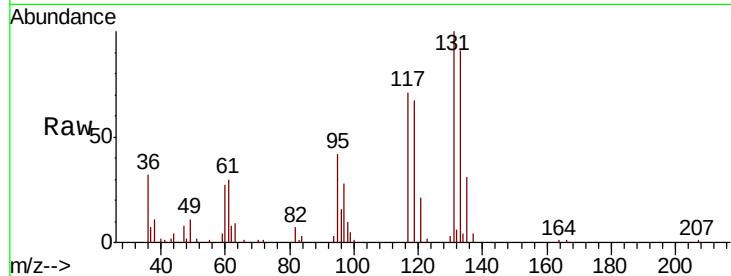
Tot Ion:131 Resp: 18348

Ion Ratio Lower Upper

131 100

133 92.0 48.1 144.4

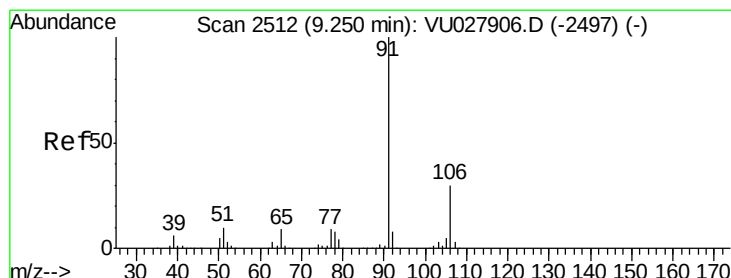
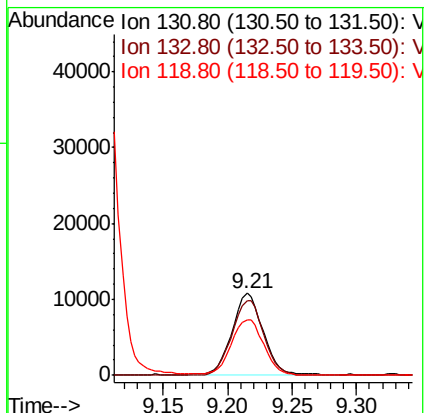
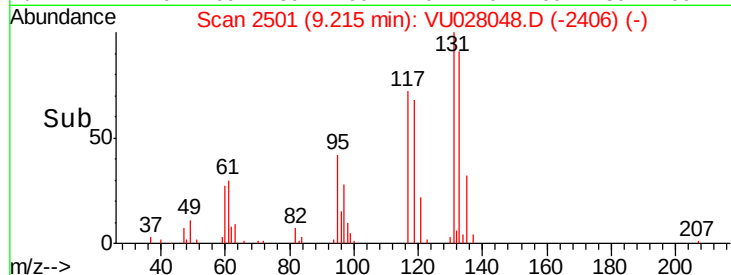
119 70.6 34.0 101.8



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



#67

Ethyl Benzene

Concen: 1.233 ug/l

RT: 9.26 min Scan# 2514

Delta R.T. 0.01 min

Lab File: VU028048.D

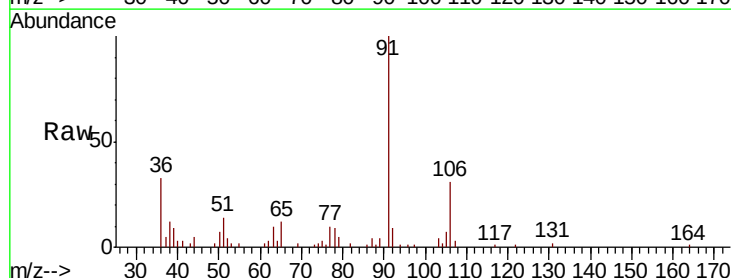
Acq: 09 Nov 2018 16:33

Tgt Ion: 91 Resp: 18592

Ion Ratio Lower Upper

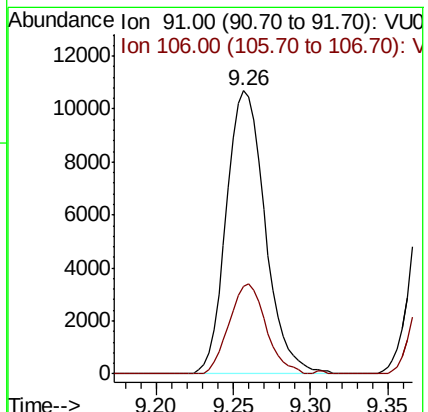
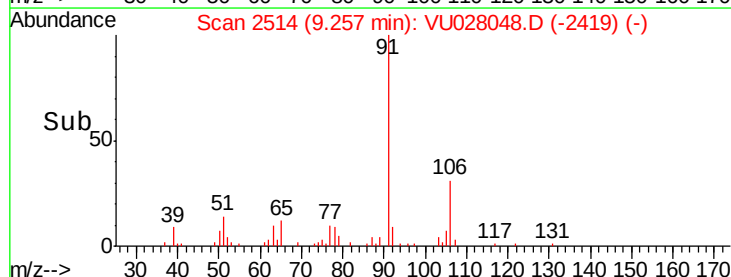
91 100

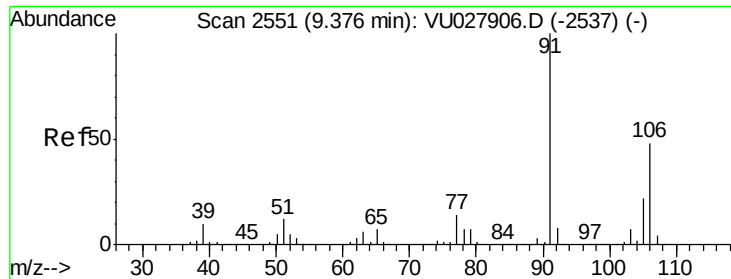
106 31.1 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

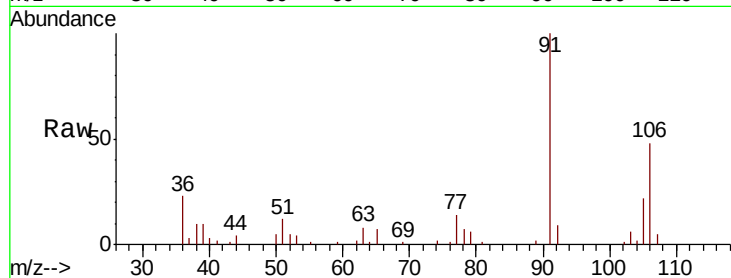




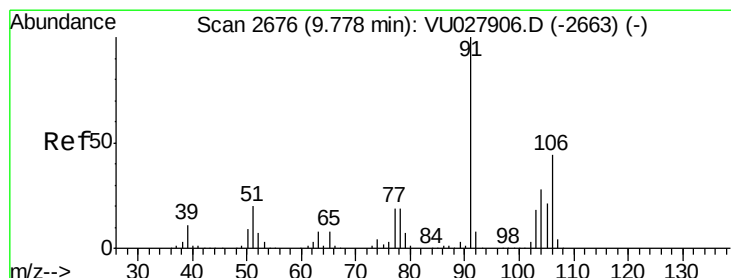
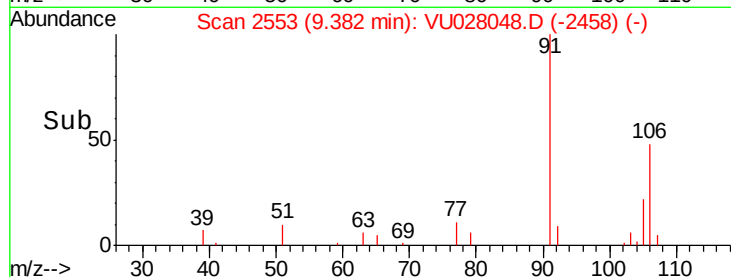
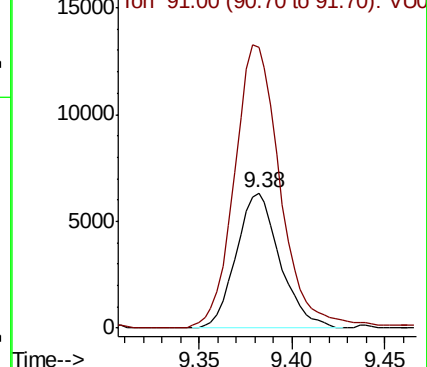
#68
m/p-Xylenes
Concen: 1.886 ug/l
RT: 9.38 min Scan# 2553
Delta R.T. 0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampled :
MW-4

Tot Ion:106 Resp: 10317
Ion Ratio Lower Upper
106 100
91 221.6 168.2 252.4

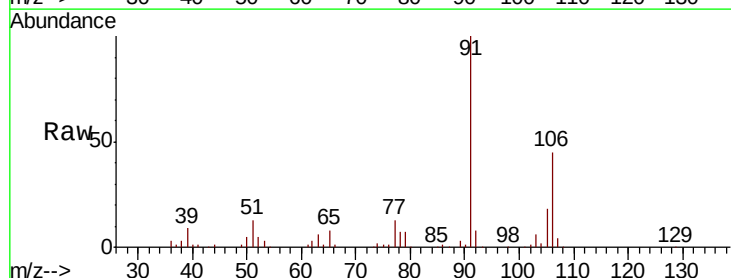


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

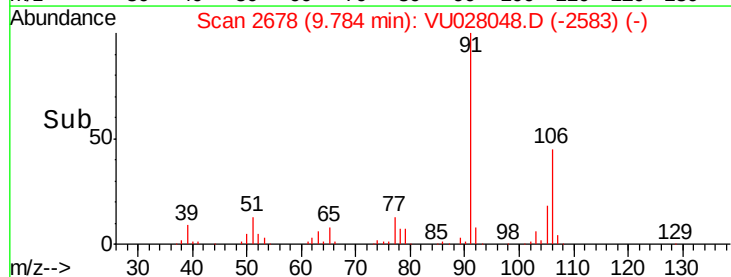
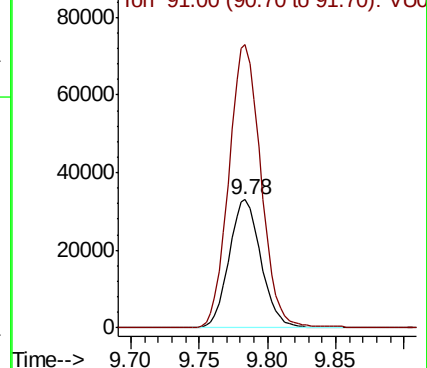


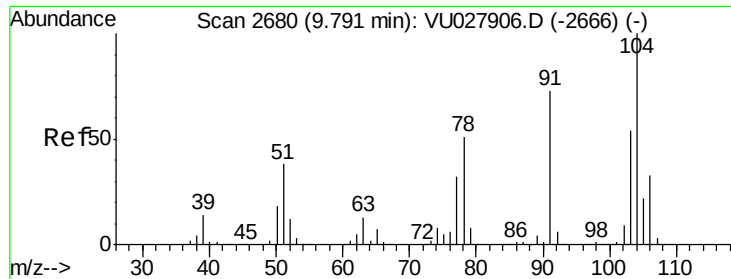
#69
o-Xylene
Concen: 9.781 ug/l
RT: 9.78 min Scan# 2678
Delta R.T. 0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Tgt Ion:106 Resp: 54037
Ion Ratio Lower Upper
106 100
91 219.9 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

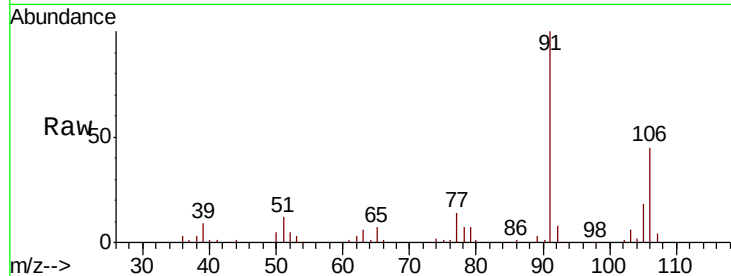




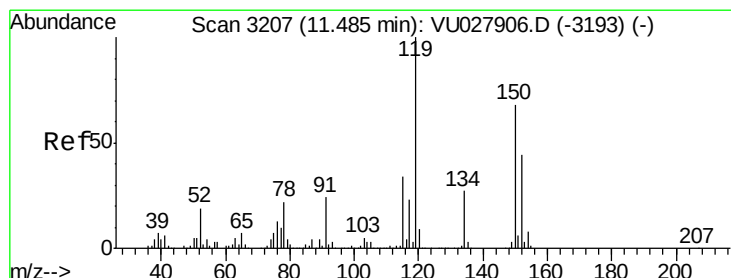
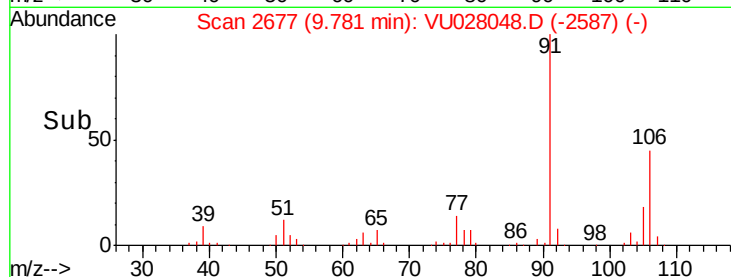
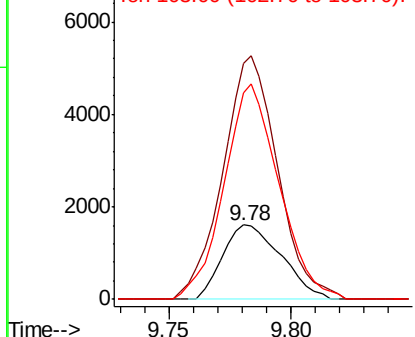
#70
Stvrene
Concen: 0.305 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.01 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Instrument :
MSVOA_U
ClientSampleId :
MW-4

Tot Ion:104 Resp: 2691
Ion Ratio Lower Upper
104 100
78 305.2 43.0 64.4#
103 270.6 45.1 67.7#

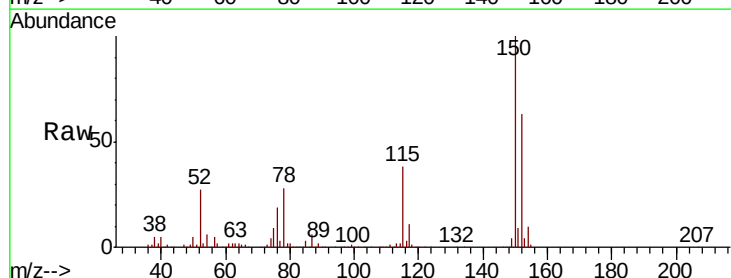


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V

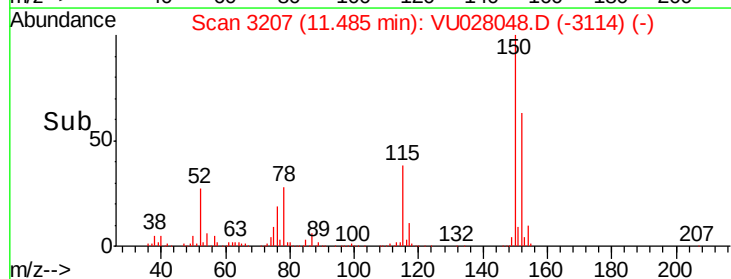
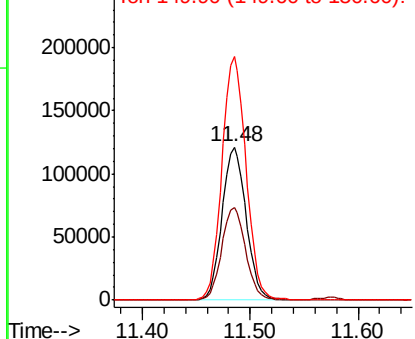


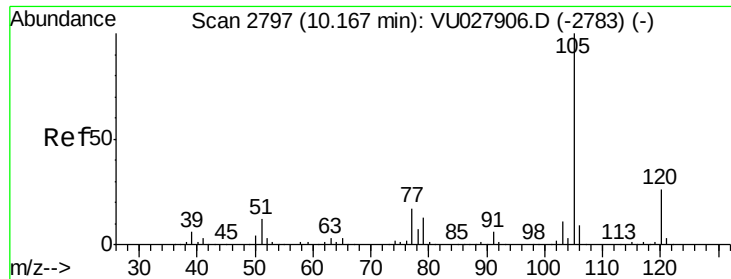
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. -0.00 min
Lab File: VU028048.D
Acq: 09 Nov 2018 16:33

Tgt Ion:152 Resp: 188247
Ion Ratio Lower Upper
152 100
115 59.9 43.0 129.0
150 159.0 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: 5.060 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

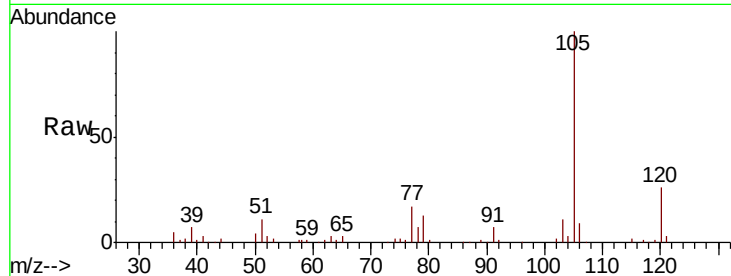
MW-4

Tot Ion:105 Resp: 73788

Ion Ratio Lower Upper

105 100

120 25.0 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

40000

30000

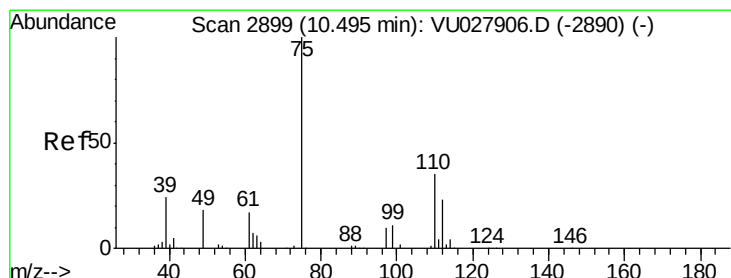
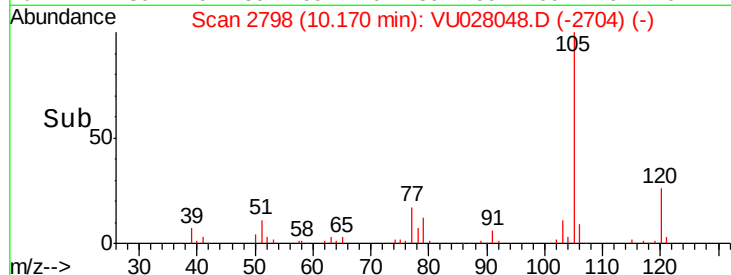
20000

10000

0

Time-->

10.10 10.15 10.20 10.25



#76

1,2,3-Trichloropropane

Concen: 20.083 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU028048.D

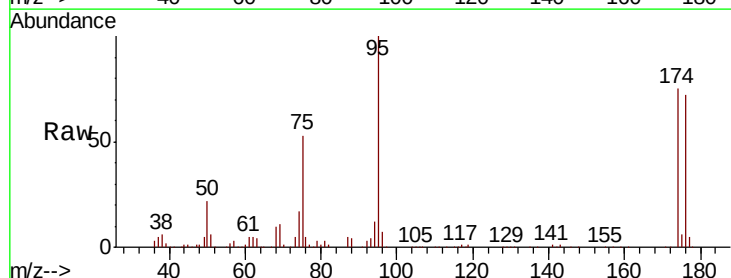
Acq: 09 Nov 2018 16:33

Tgt Ion: 75 Resp: 103407

Ion Ratio Lower Upper

75 100

77 1.2 21.6 64.6#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

60000

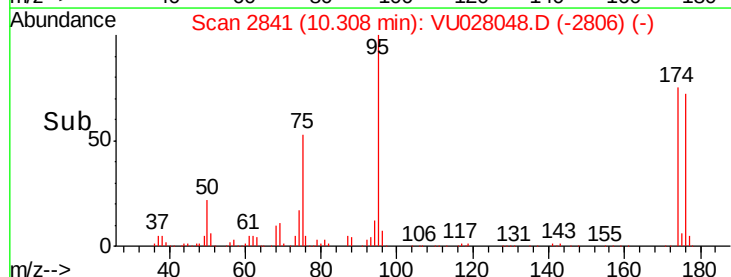
40000

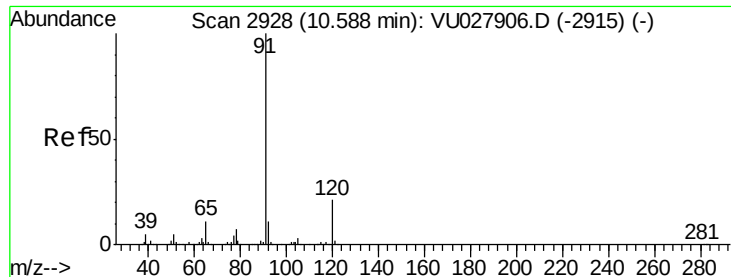
20000

0

Time-->

10.30 10.40





#78

n-propylbenzene

Concen: 6.034 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

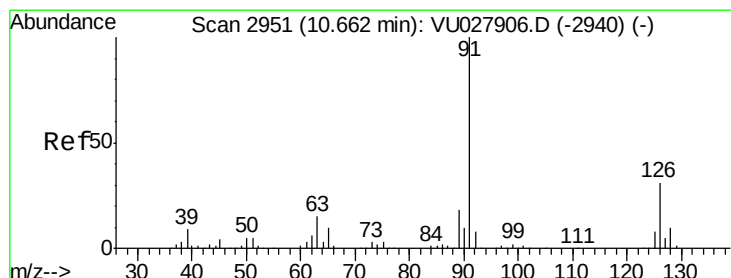
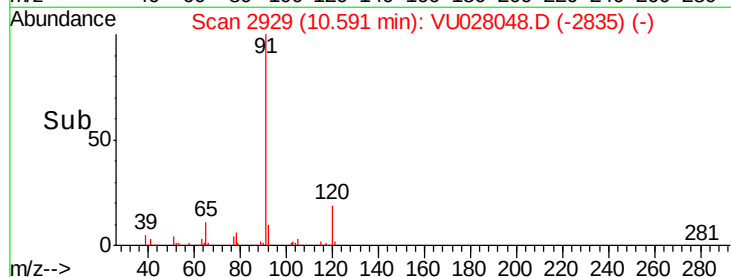
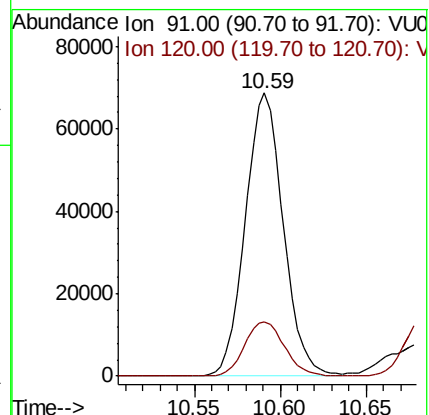
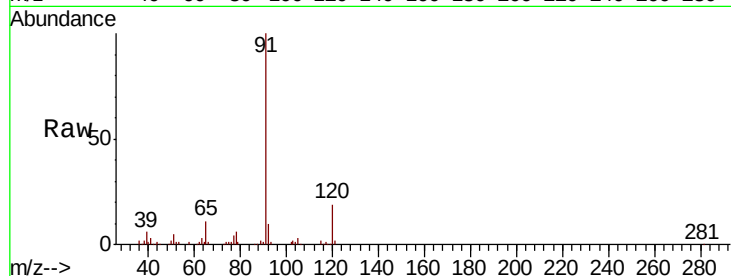
MW-4

Tot Ion: 91 Resp: 105325

Ion Ratio Lower Upper

91 100

120 20.3 10.6 31.8



#79

2-Chlorotoluene

Concen: 2.000 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU028048.D

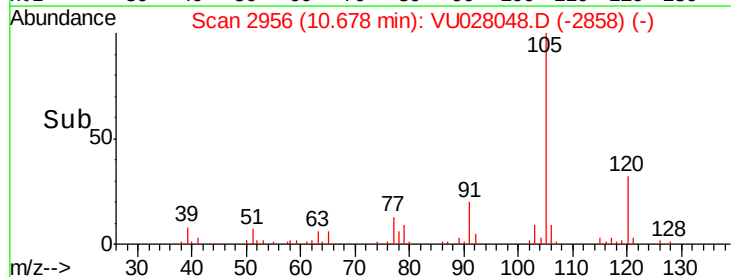
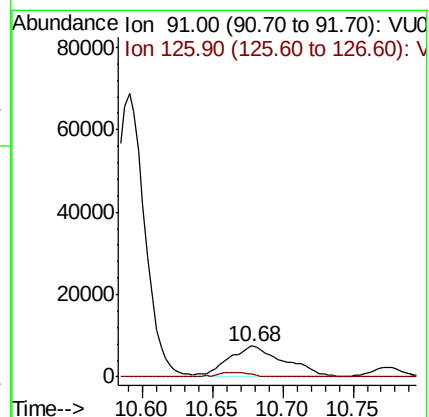
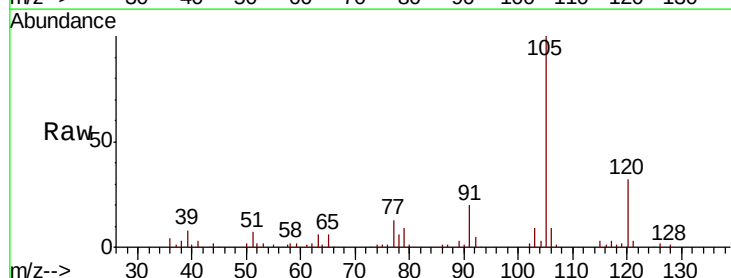
Acq: 09 Nov 2018 16:33

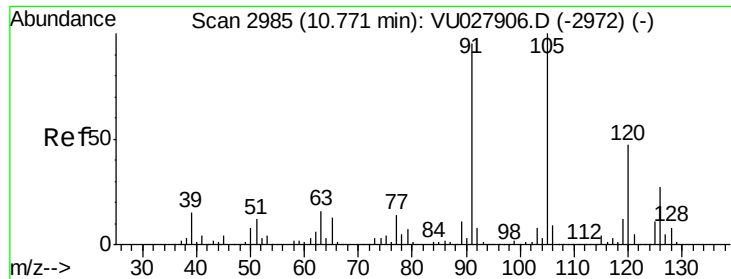
Tgt Ion: 91 Resp: 20925

Ion Ratio Lower Upper

91 100

126 8.3 16.0 47.9#





#80

1,3,5-Trimethylbenzene

Concen: 2.272 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

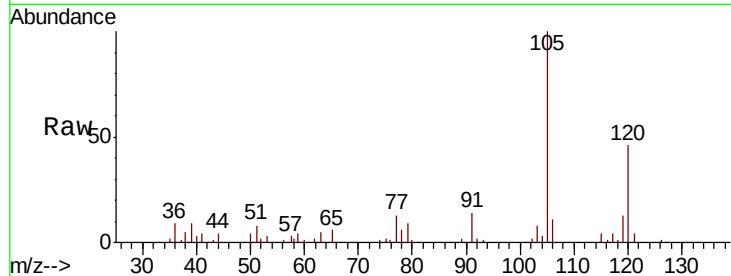
MW-4

Tot Ion:105 Resp: 27446

Ion Ratio Lower Upper

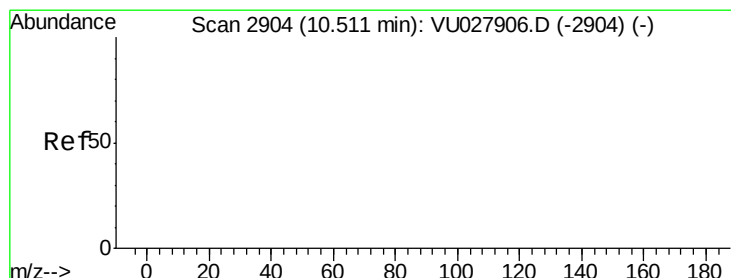
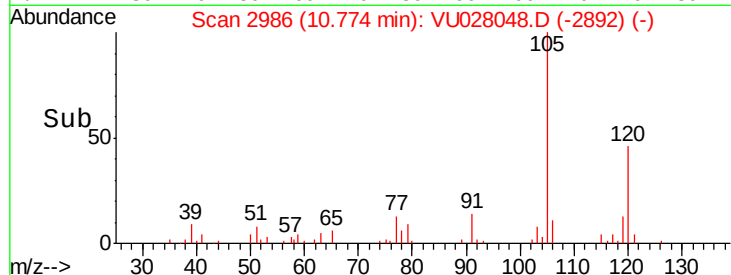
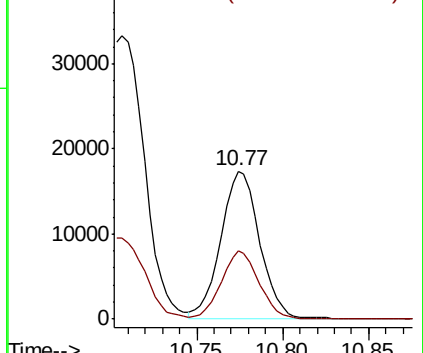
105 100

120 44.1 23.3 69.9



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: 50.141 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

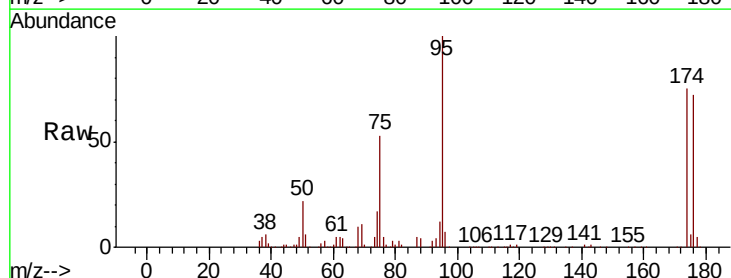
Tgt Ion: 75 Resp: 103407

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

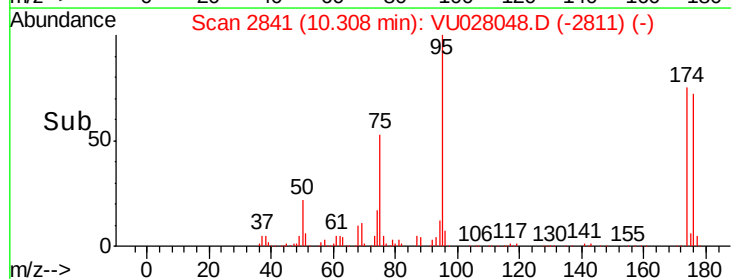
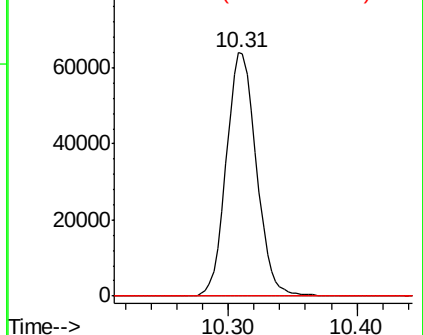
89 0.0 0.0 0.0

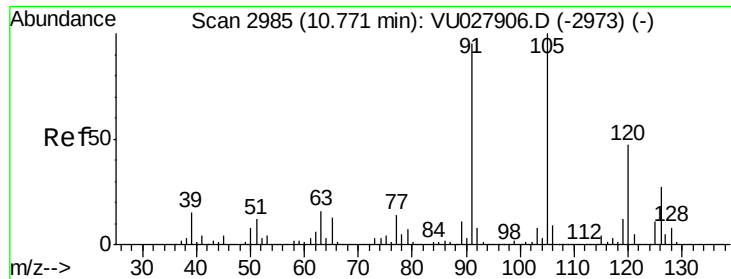


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#82

4-Chlorotoluene

Concen: 0.311 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampleId :

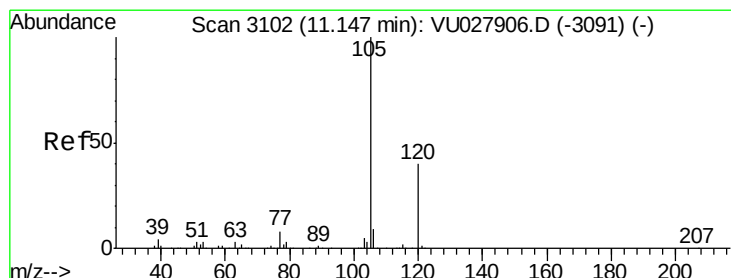
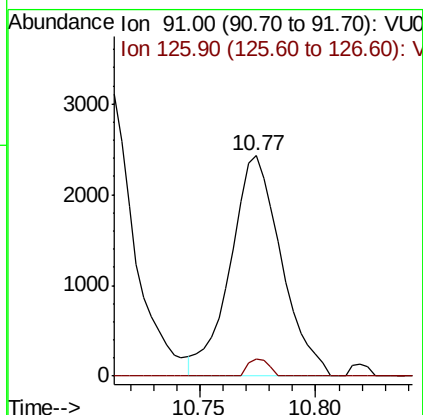
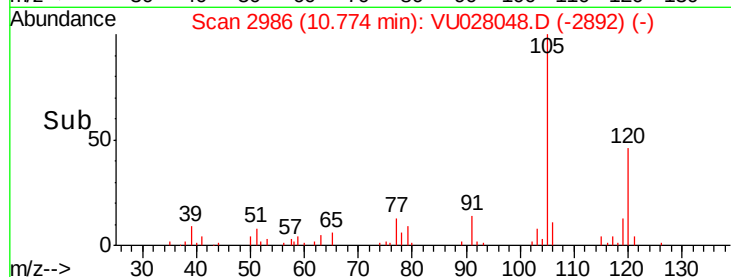
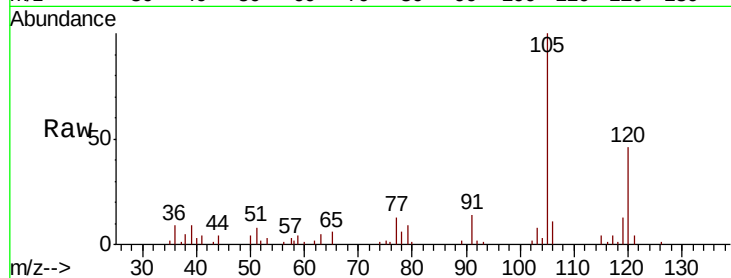
MW-4

Tot Ion: 91 Resp: 3696

Ion Ratio Lower Upper

91 100

126 3.2 14.2 42.6#



#84

1,2,4-Trimethylbenzene

Concen: 6.080 ug/l

RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU028048.D

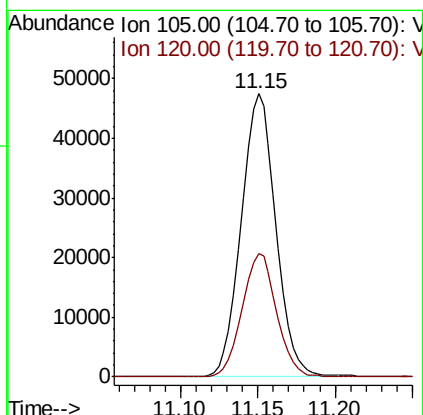
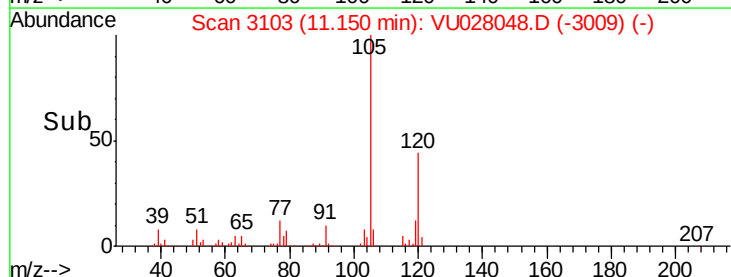
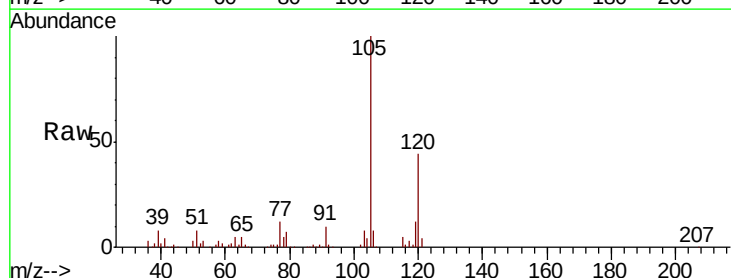
Acq: 09 Nov 2018 16:33

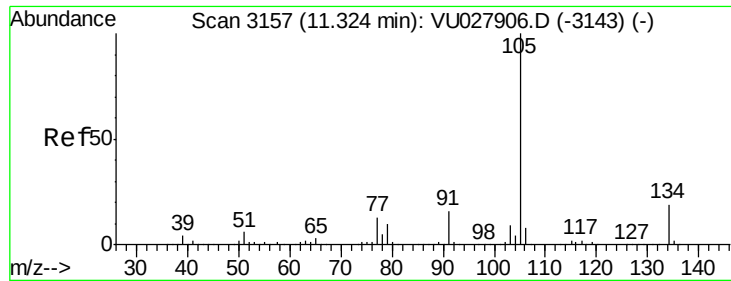
Tgt Ion: 105 Resp: 73967

Ion Ratio Lower Upper

105 100

120 43.1 22.1 66.1





#85

sec-Butylbenzene

Concen: 0.269 ug/l

RT: 11.33 min Scan# 3158

Delta R.T. 0.00 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

Instrument :

MSVOA_U

ClientSampled :

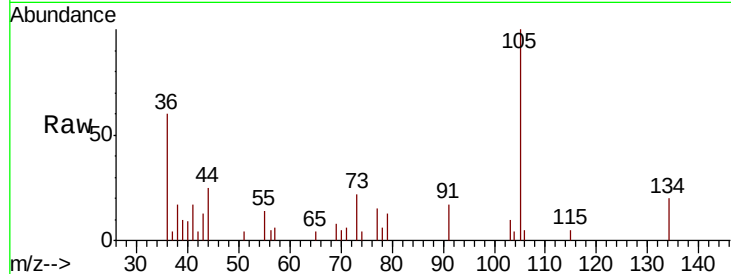
MW-4

Tot Ion:105 Resp: 3958

Ion Ratio Lower Upper

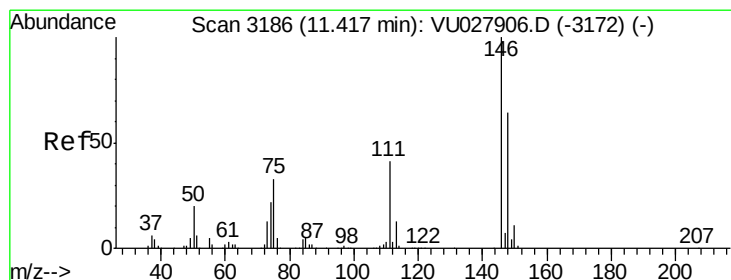
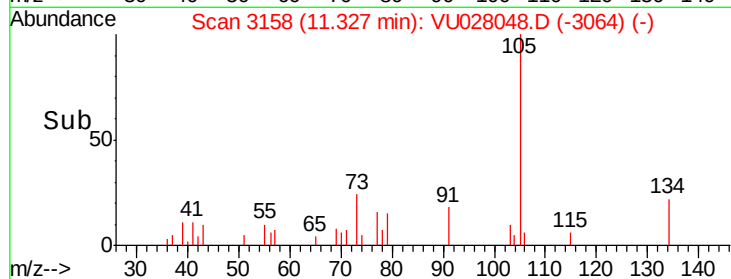
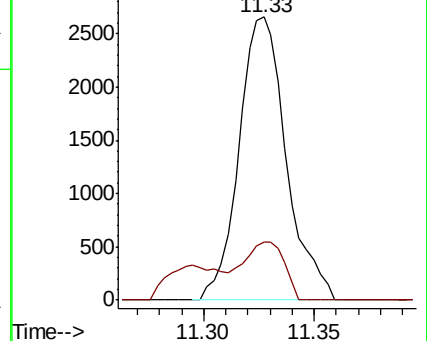
105 100

134 17.9 9.2 27.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.325 ug/l

RT: 11.42 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VU028048.D

Acq: 09 Nov 2018 16:33

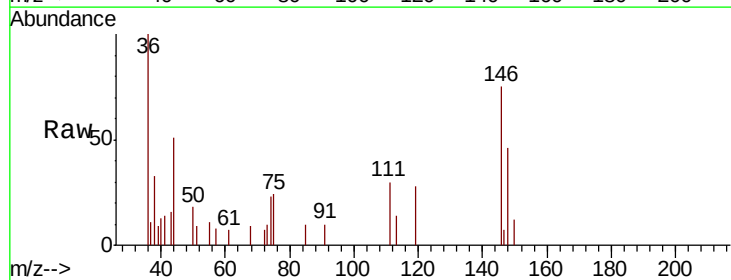
Tgt Ion:146 Resp: 2008

Ion Ratio Lower Upper

146 100

111 40.9 20.3 61.0

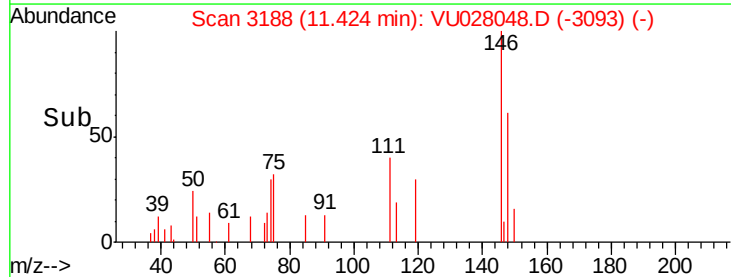
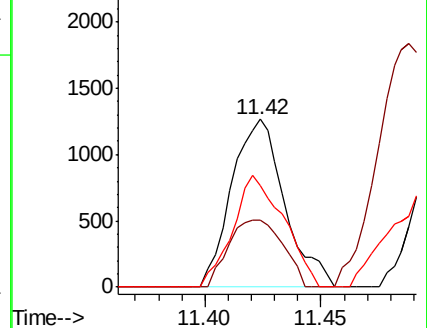
148 64.1 31.8 95.4

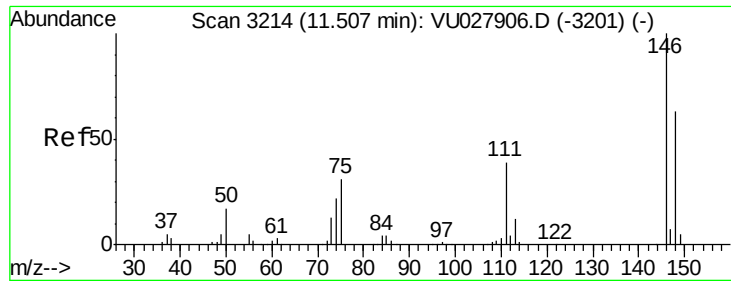


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

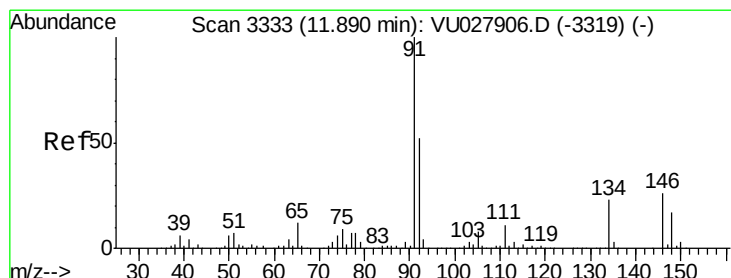
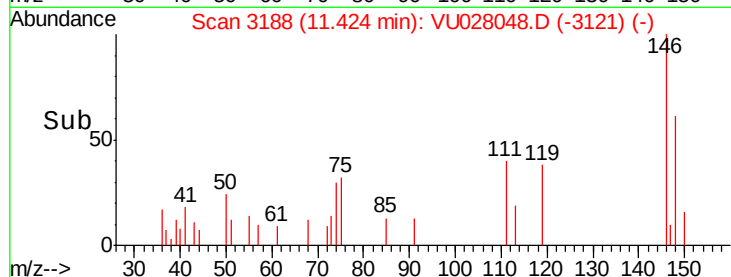
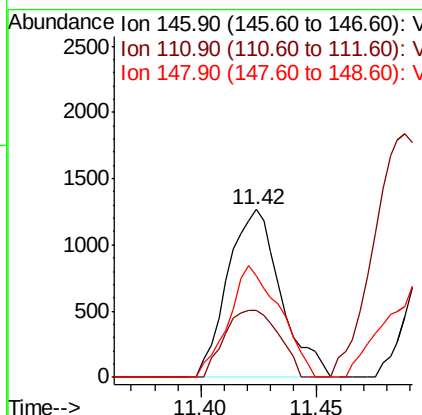
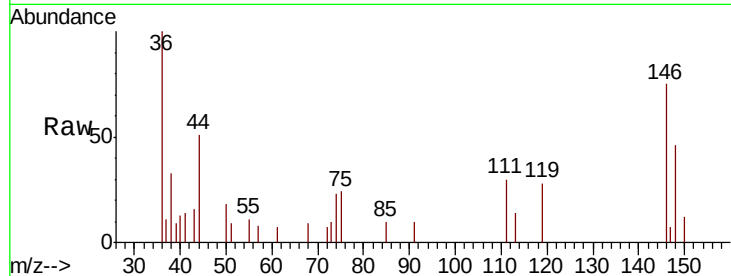




#88
 1,4-Dichlorobenzene
 Concen: 0.317 ug/l
 RT: 11.42 min Scan# 3188
 Delta R.T. -0.08 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

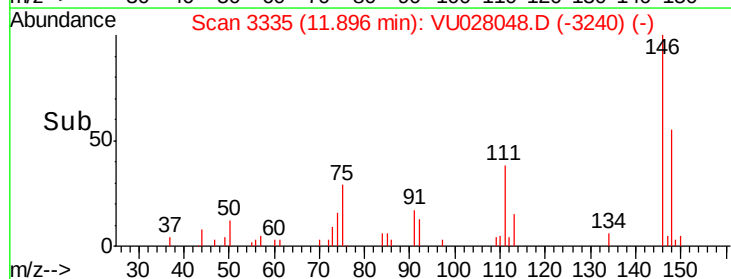
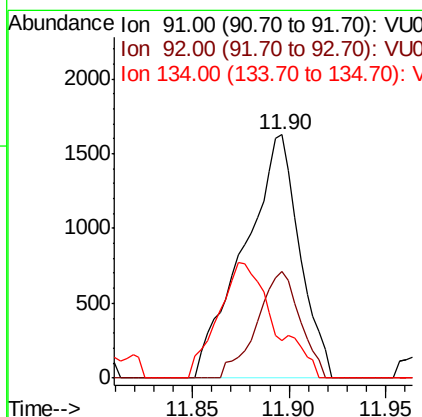
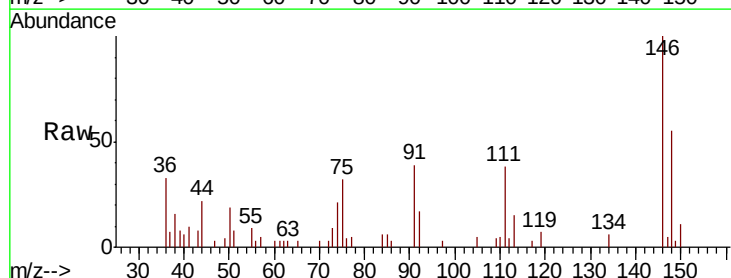
Instrument :
 MSVOA_U
 ClientSampled :
 MW-4

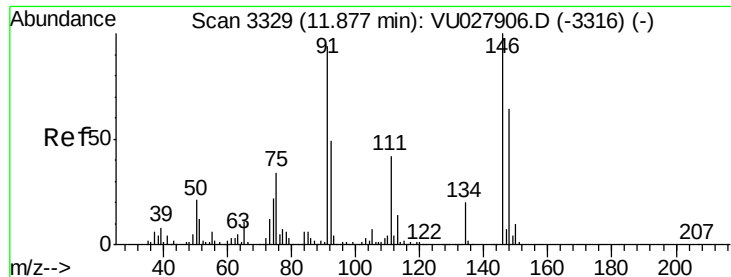
Tot Ion:146 Resp: 2008
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.3 60.9
 148 64.1 32.0 96.2



#89
 n-Butylbenzene
 Concen: 0.278 ug/l
 RT: 11.90 min Scan# 3335
 Delta R.T. 0.01 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Tgt Ion: 91 Resp: 3241
 Ion Ratio Lower Upper
 91 100
 92 34.1 26.2 78.5
 134 0.0 11.5 34.5#

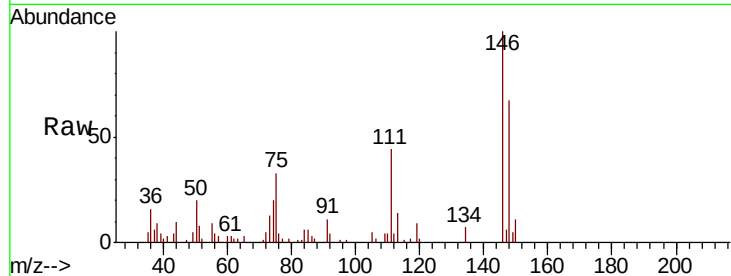




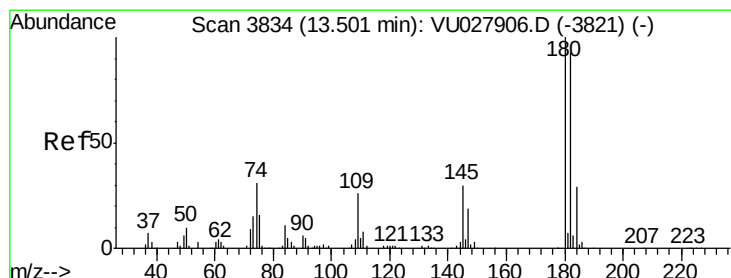
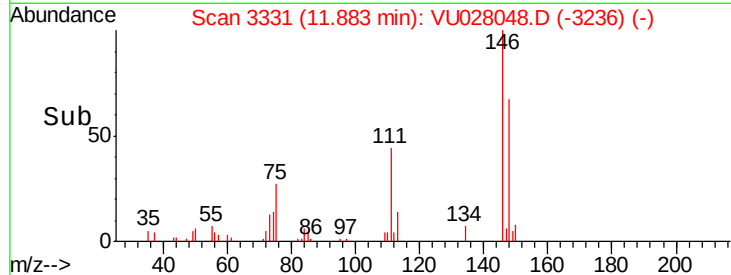
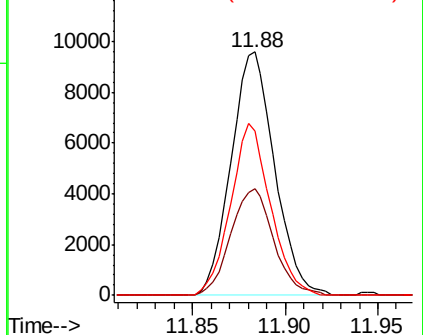
#91
 1,2-Dichlorobenzene
 Concen: 2.511 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.01 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Tot Ion:146 Resp: 15601
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.3 64.0
 148 64.4 31.8 95.3

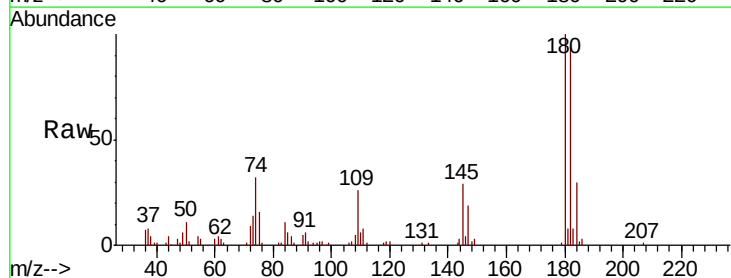


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

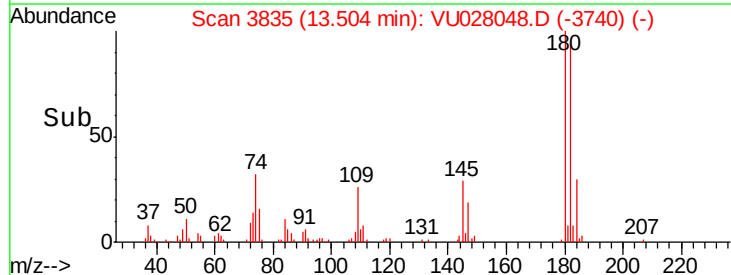
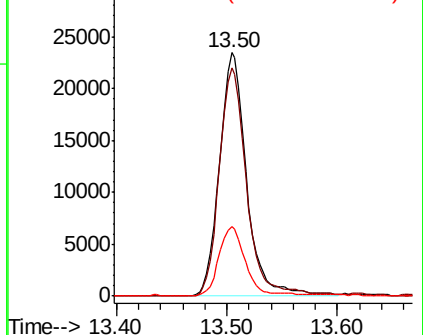


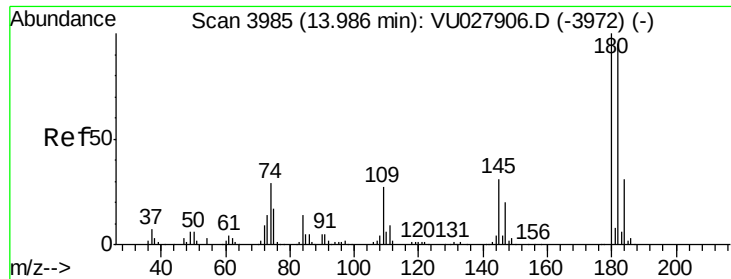
#93
 1,2,4-Trichlorobenzene
 Concen: 9.773 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Tgt Ion:180 Resp: 40145
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.4 145.2
 145 27.9 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

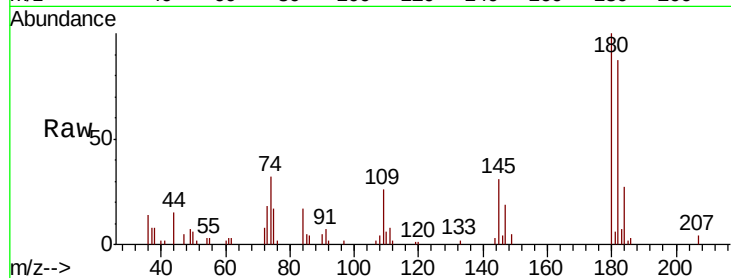




#96
 1,2,3-Trichlorobenzene
 Concen: 3.198 ug/l
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU028048.D
 Acq: 09 Nov 2018 16:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.2	47.4	142.3
145	33.3	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

