

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025220.D
 Acq On : 05 Jul 2018 17:03
 Operator : MD/SY
 Sample : J3808-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628

Quant Time: Jul 06 05:14:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	244733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.90	114	372446	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	357994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	193758	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	180154	45.09	ug/l	0.00
Spiked Amount			Recovery	=	90.18%	
35) Dibromofluoromethane	4.90	113	137870	44.60	ug/l	0.00
Spiked Amount			Recovery	=	89.20%	
50) Toluene-d8	7.57	98	542169	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	10.31	95	207601	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.40	50	117347	37.50	ug/l	# 42
5) Bromomethane	1.64	94	691	0.44	ug/l	82
8) Diethyl Ether	2.28	74	507	Below	Cal	# 8
9) 1,1,2-Trichlorotrifluoroet	2.29	101	4102	1.34	ug/l	# 52
10) Methyl Iodide	2.42	142	260	5.38	ug/l	# 40
11) Tert butyl alcohol	2.82	59	24312	25.02	ug/l	99
12) 1,1-Dichloroethene	2.29	96	1250269	448.66	ug/l	97
14) Allyl chloride	2.71	41	8992	1.74	ug/l	# 51
15) Acrylonitrile	2.81	53	647	0.34	ug/l	# 27
16) Acetone	2.32	43	12773	5.95	ug/l	98
17) Carbon Disulfide	2.48	76	2253	0.25	ug/l	# 75
20) Methylene Chloride	2.71	84	11738	3.48	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	1431577	466.43	ug/l	98
24) 1,1-Dichloroethane	3.46	63	99257	16.82	ug/l	99
29) Tetrahydrofuran	4.66	42	10730	6.01	ug/l	95
30) Chloroform	4.69	83	213910	35.82	ug/l	98
31) Cyclohexane	5.01	56	66284	11.12	ug/l	# 91
36) 1,1-Dichloropropene	4.99	75	17908	4.09	ug/l	# 50
37) Ethyl Acetate	4.33	43	7264	1.52	ug/l	# 70
38) Carbon Tetrachloride	4.99	117	23889	4.96	ug/l	# 16
39) Methylcyclohexane	6.44	83	40469	7.41	ug/l	95
40) Benzene	5.40	78	1068127	85.65	ug/l	99
42) 1,2-Dichloroethane	5.41	62	32257	6.79	ug/l	93
45) 1,2-Dichloropropane	6.24	63	304630	91.55	ug/l	# 1
46) Dibromomethane	6.29	93	3637	1.56	ug/l	# 4
48) Methyl methacrylate	6.65	41	935	0.23	ug/l	# 82
51) 4-Methyl-2-Pentanone	7.47	43	11997	2.32	ug/l	94
52) Toluene	7.64	92	1812363	225.89	ug/l	98
53) t-1,3-Dichloropropene	7.64	75	22736	4.35	ug/l	# 1
55) 1,1,2-Trichloroethane	8.07	97	180646	55.39	ug/l	99
59) 2-Hexanone	8.17	43	161980	38.30	ug/l	76
60) Dibromochloromethane	8.23	129	11119	2.73	ug/l	# 11
64) Tetrachloroethene	8.23	164	11181	3.29	ug/l	94
65) Chlorobenzene	9.12	112	357254	39.06	ug/l	98

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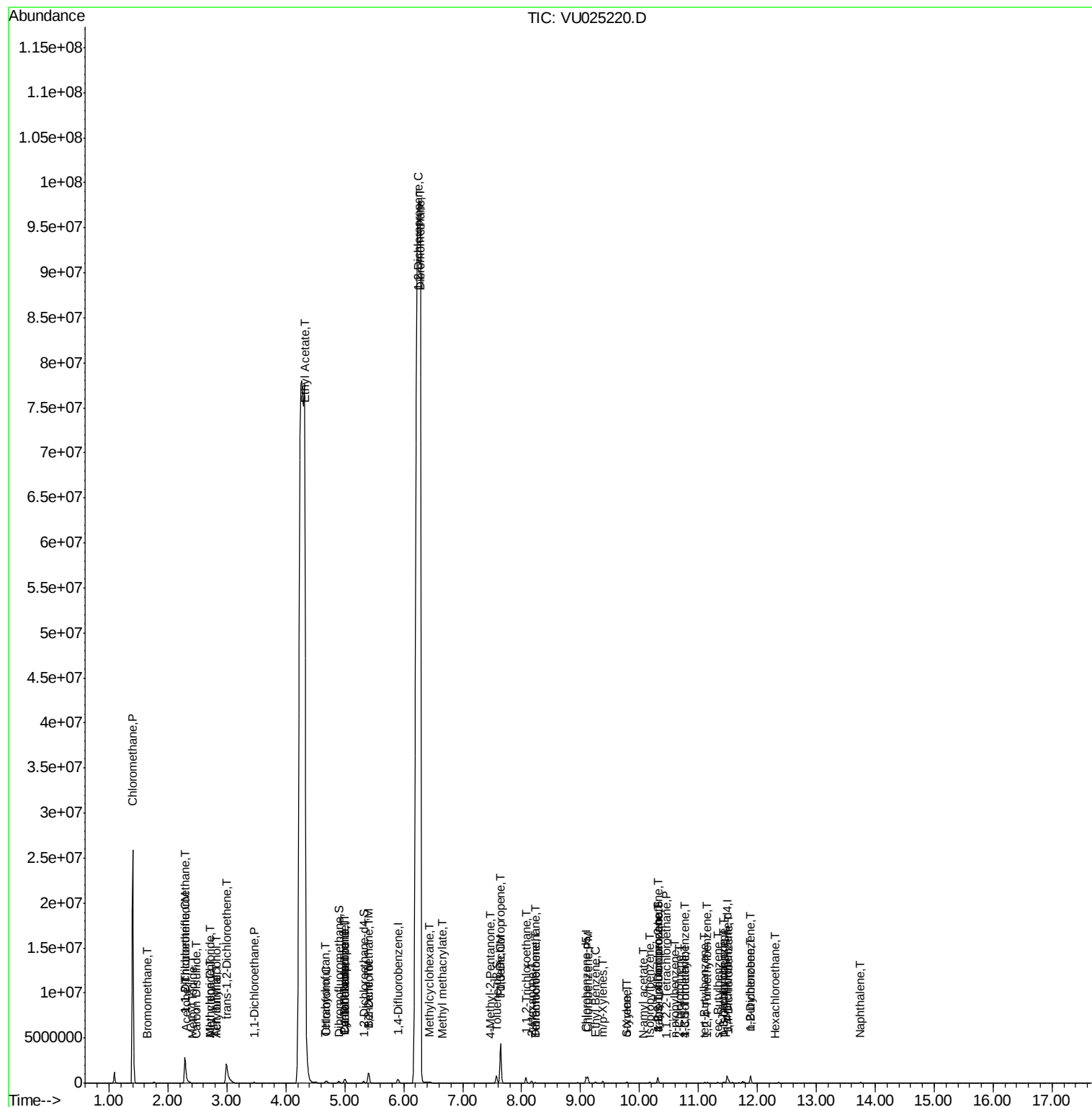
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Ethyl Benzene	9.26	91	93419	5.83	ug/l	100
68) m/p-Xylenes	9.38	106	60540	9.83	ug/l	99
69) o-Xylene	9.78	106	37675	6.18	ug/l	94
70) Styrene	9.80	104	19218	1.92	ug/l #	79
73) Isopropylbenzene	10.17	105	64836	4.36	ug/l	99
74) N-amyl acetate	10.08	43	5803	0.82	ug/l #	44
75) 1,1,2,2-Tetrachloroethane	10.46	83	2928	0.59	ug/l	77
76) 1,2,3-Trichloropropane	10.31	75	105683	24.77	ug/l #	36
78) n-propylbenzene	10.59	91	19530	1.11	ug/l	96
79) 2-Chlorotoluene	10.68	91	2613	0.25	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.78	105	20823	1.61	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	105683	57.34	ug/l #	100
82) 4-Chlorotoluene	10.78	91	2663	0.22	ug/l #	45
83) tert-Butylbenzene	11.10	119	29767	2.40	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	46634	3.55	ug/l	98
85) sec-Butylbenzene	11.33	105	34561	2.23	ug/l	100
86) p-Isopropyltoluene	11.43	119	4690	0.34	ug/l	90
87) 1,3-Dichlorobenzene	11.42	146	52747	7.58	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	111711	15.95	ug/l	98
89) n-Butylbenzene	11.89	91	4706	0.38	ug/l #	41
90) Hexachloroethane	12.29	117	2910	1.07	ug/l #	8
91) 1,2-Dichlorobenzene	11.88	146	306279	43.95	ug/l	99
95) Naphthalene	13.75	128	89552	6.88	ug/l	99

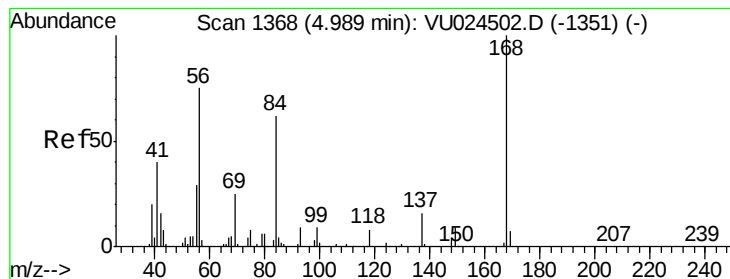
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

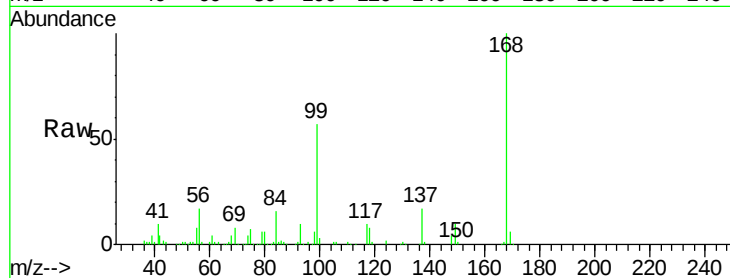
WP021IW465-180628

Tot Ion:168 Resp: 244733

Ion Ratio Lower Upper

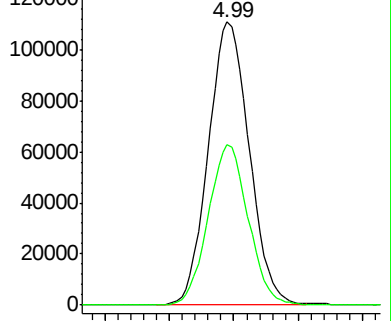
168 100

99 56.5 43.2 64.8

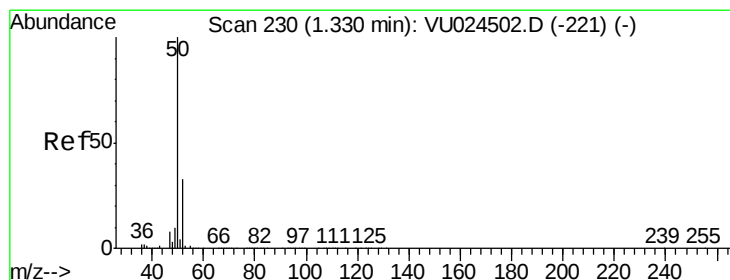
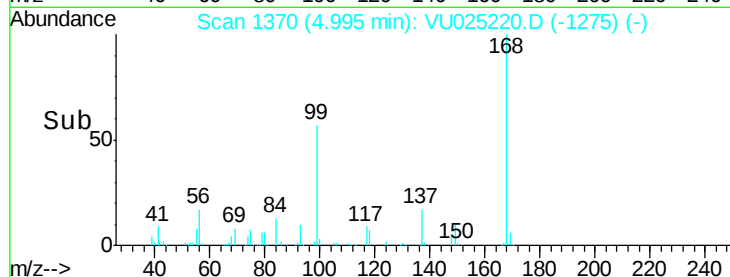


Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



Time-->



#3

Chloromethane

Concen: 37.50 ug/l

RT: 1.40 min Scan# 252

Delta R.T. 0.07 min

Lab File: VU025220.D

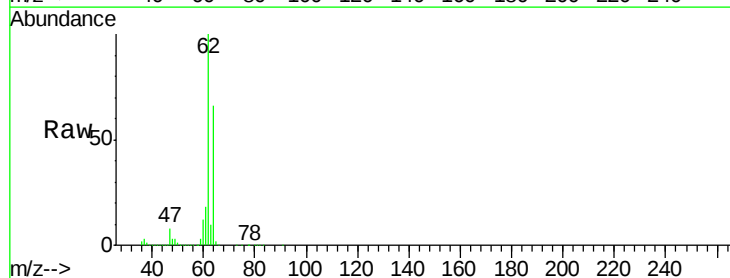
Acq: 05 Jul 2018 17:03

Tgt Ion: 50 Resp: 117347

Ion Ratio Lower Upper

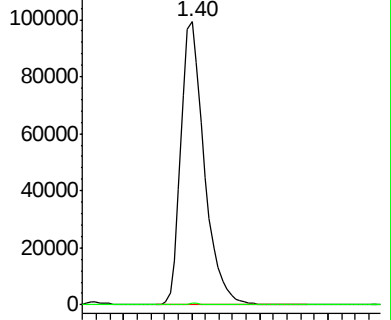
50 100

52 0.5 26.4 39.6#

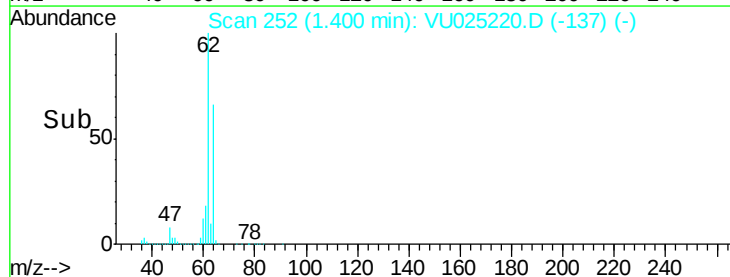


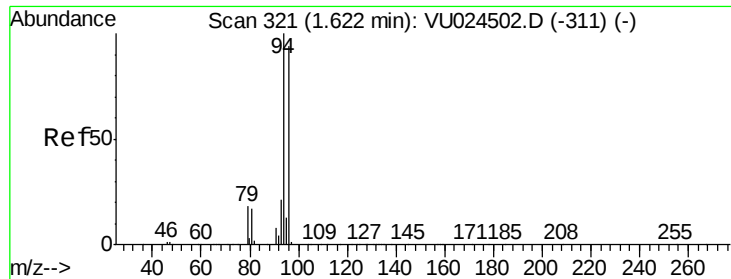
Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)



Time-->





#5

Bromomethane

Concen: 0.44 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

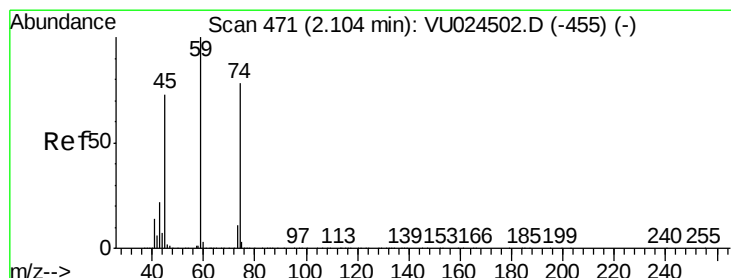
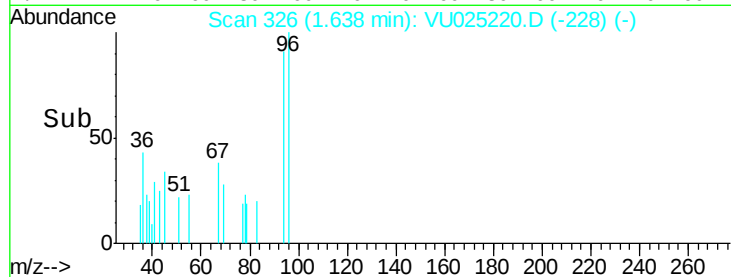
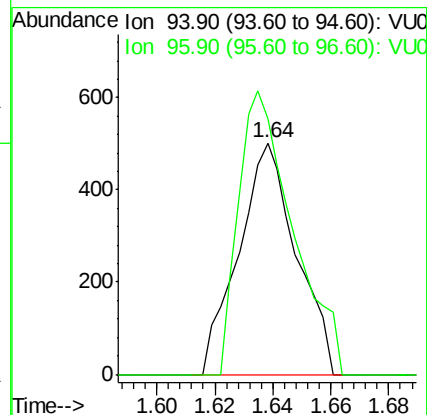
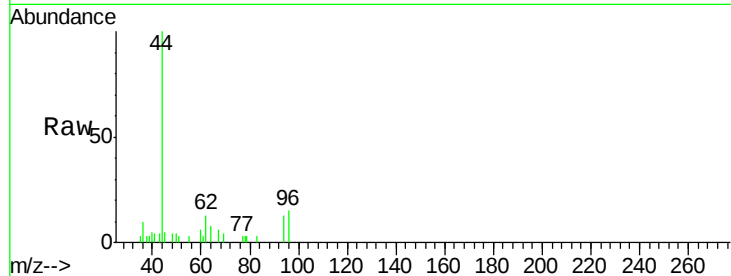
WP021IW465-180628

Tot Ion: 94 Resp: 691

Ion Ratio Lower Upper

94 100

96 110.4 74.5 111.7



#8

Diethyl Ether

Concen: Below Cal

RT: 2.28 min Scan# 527

Delta R.T. 0.18 min

Lab File: VU025220.D

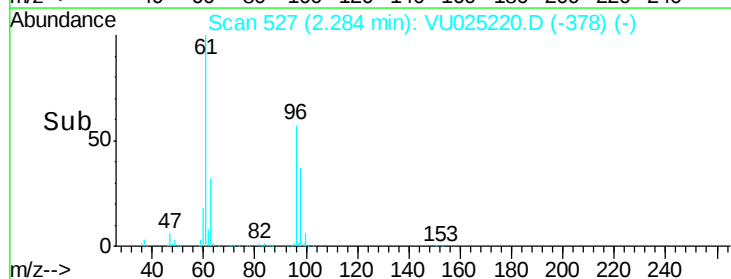
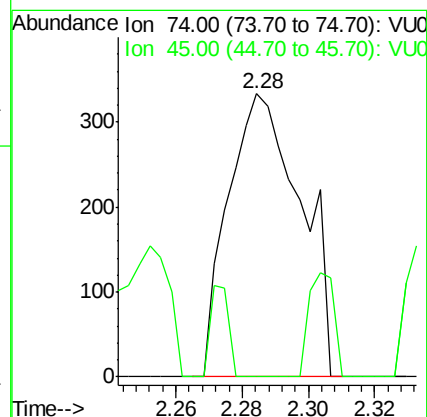
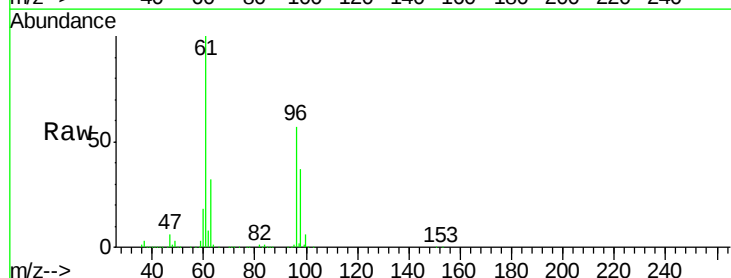
Acq: 05 Jul 2018 17:03

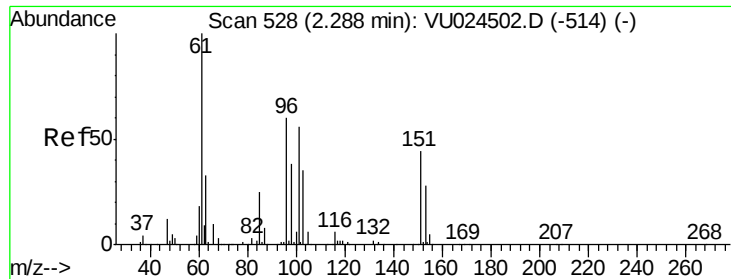
Tgt Ion: 74 Resp: 507

Ion Ratio Lower Upper

74 100

45 13.0 55.0 165.0#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.34 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

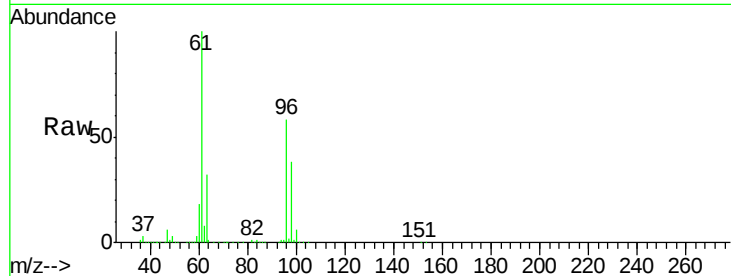
Tot Ion:101 Resp: 4102

Ion Ratio Lower Upper

101 100

85 24.9 36.0 54.0#

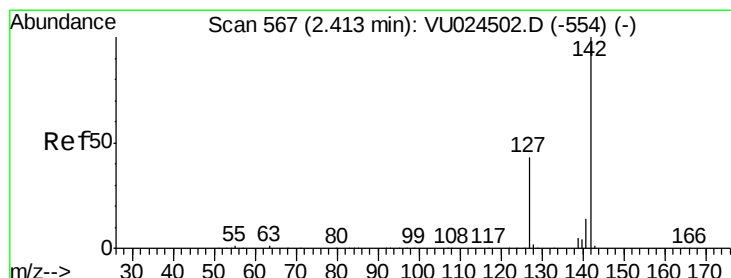
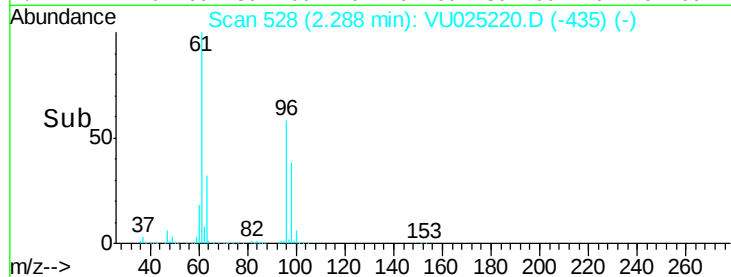
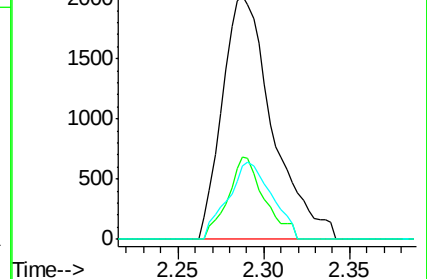
151 27.9 62.3 93.5#



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



#10

Methyl Iodide

Concen: 5.38 ug/l

RT: 2.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

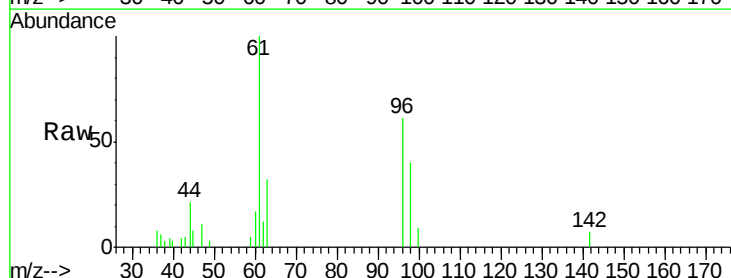
Tgt Ion:142 Resp: 260

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

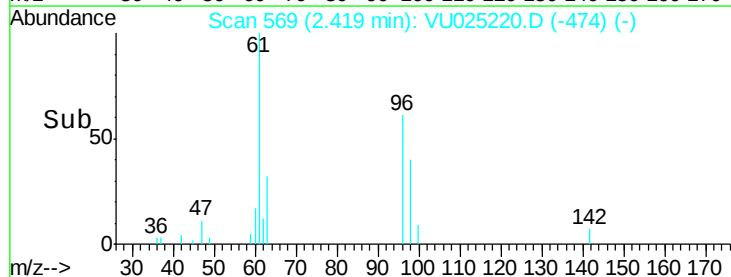
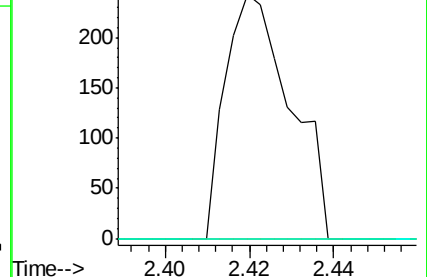
141 0.0 11.7 17.5#

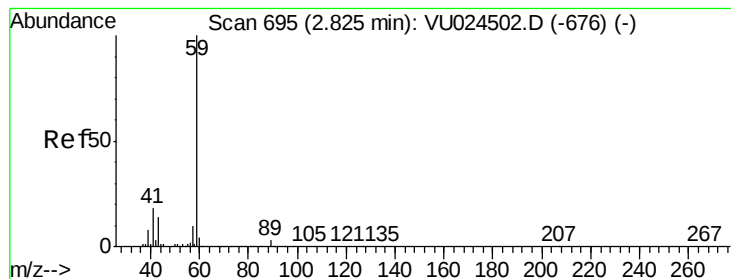


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



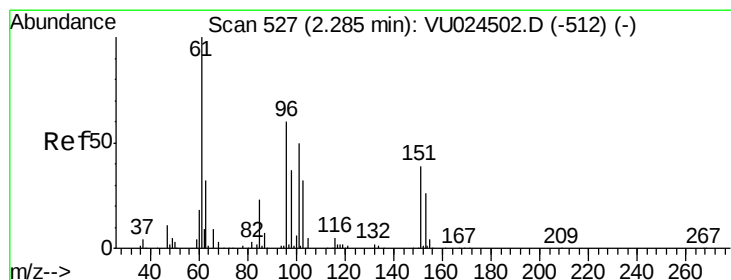
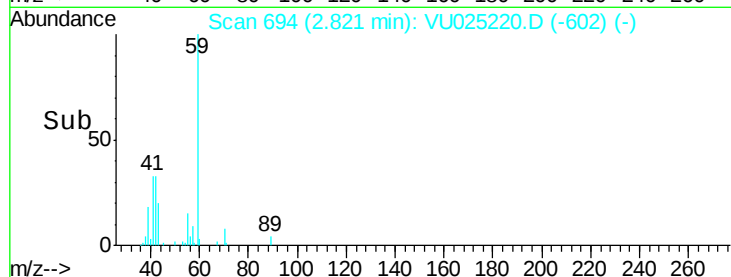
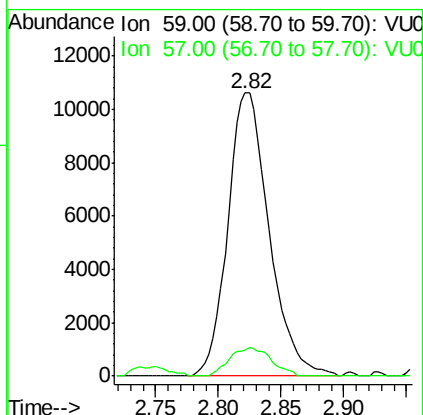
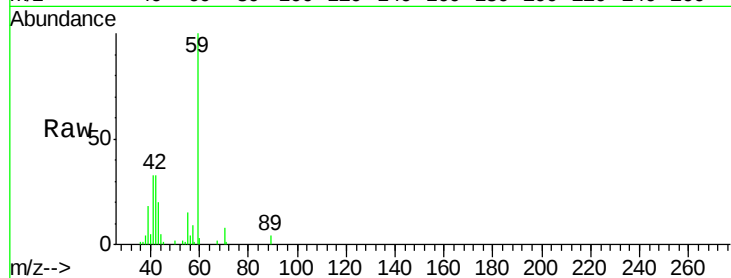


#11

Tert butyl alcohol
 Concen: 25.02 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

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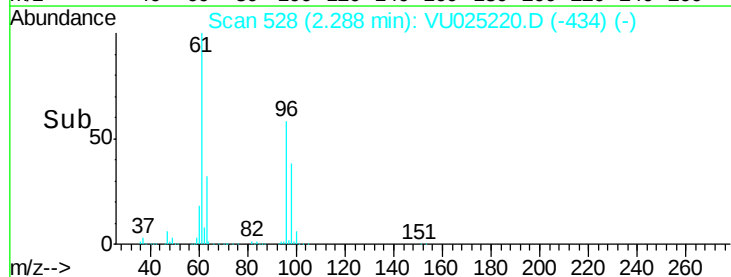
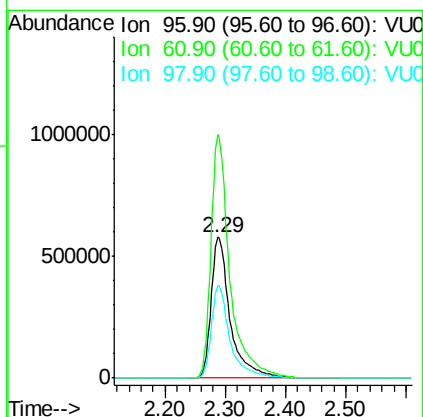
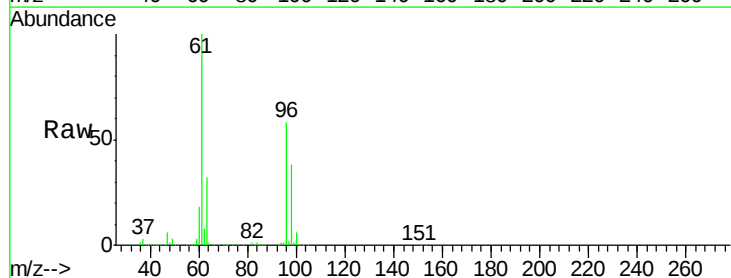
Tot Ion: 59 Resp: 24312
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

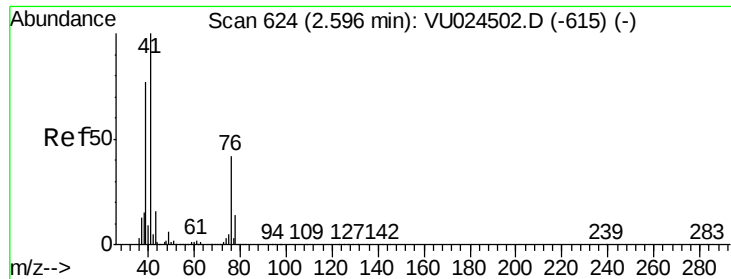


#12

1,1-Dichloroethene
 Concen: 448.66 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 96 Resp: 1250269
 Ion Ratio Lower Upper
 96 100
 61 172.6 141.7 212.5
 98 65.3 51.6 77.4

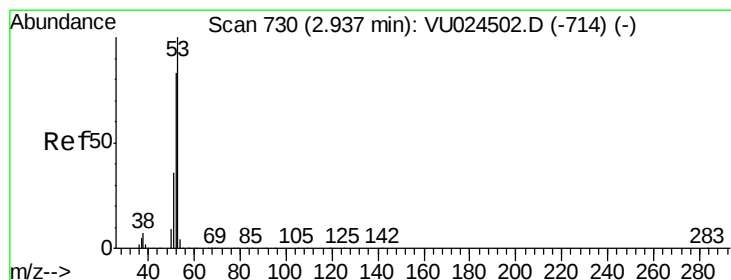
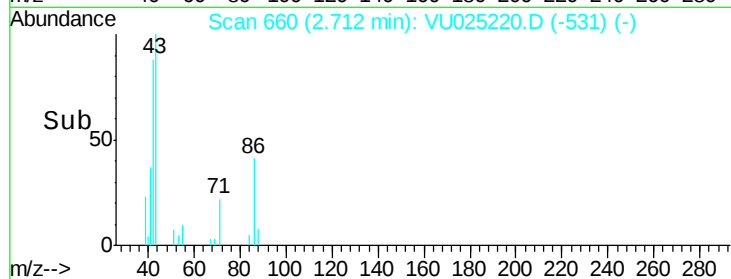
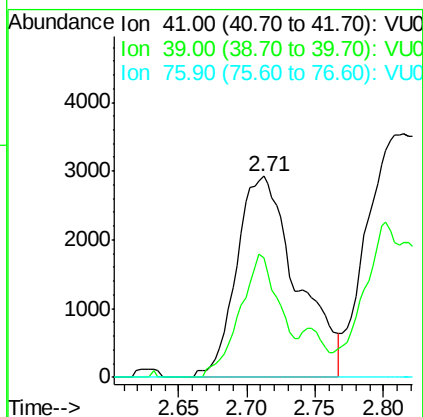
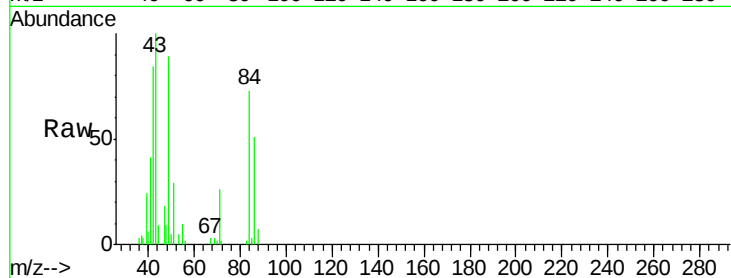




#14
Allvl chloride
Concen: 1.74 ug/l
RT: 2.71 min Scan# 660
Delta R.T. 0.12 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

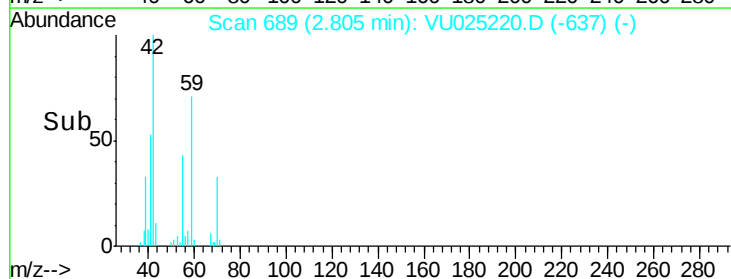
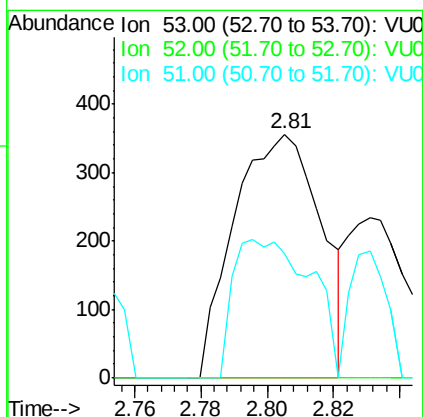
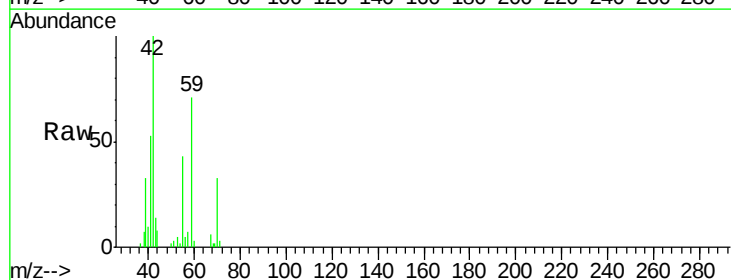
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

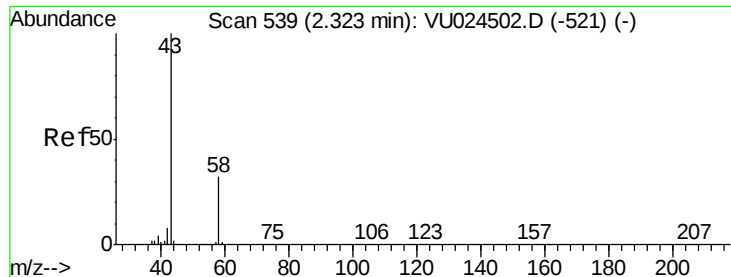
Tot Ion: 41 Resp: 8992
Ion Ratio Lower Upper
41 100
39 40.5 61.6 92.4#
76 0.0 29.7 44.5#



#15
Acrylonitrile
Concen: 0.34 ug/l
RT: 2.81 min Scan# 689
Delta R.T. -0.13 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 53 Resp: 647
Ion Ratio Lower Upper
53 100
52 0.0 67.1 100.7#
51 50.7 28.4 42.6#





#16

Acetone

Concen: 5.95 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

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ClientSampleId :

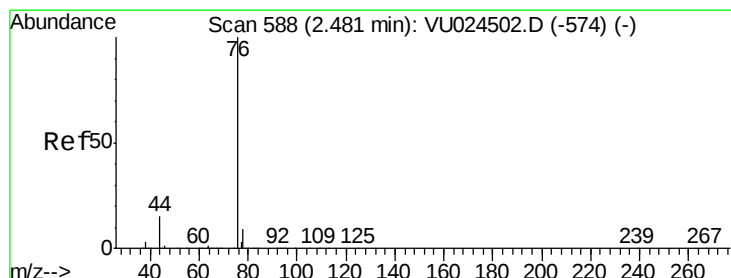
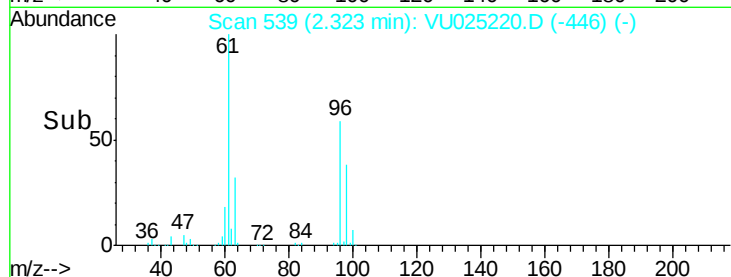
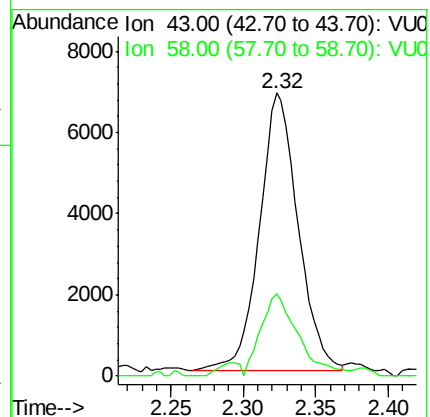
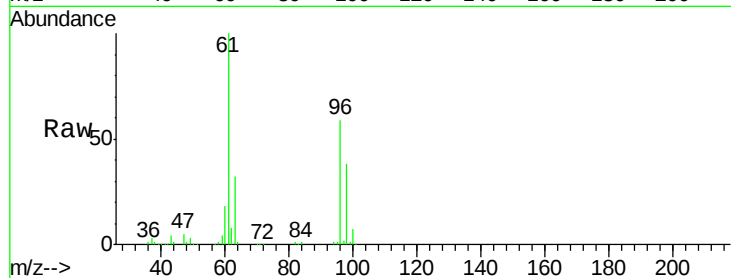
WP021IW465-180628

Tot Ion: 43 Resp: 12773

Ion Ratio Lower Upper

43 100

58 29.7 24.4 36.6



#17

Carbon Disulfide

Concen: 0.25 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025220.D

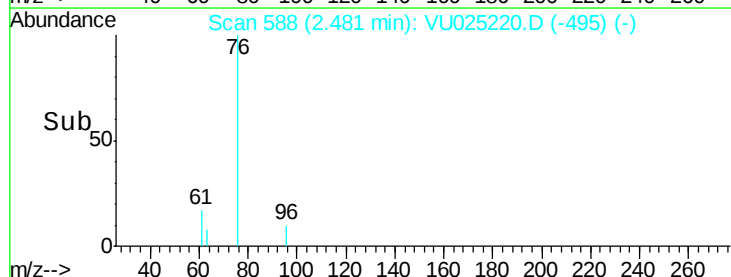
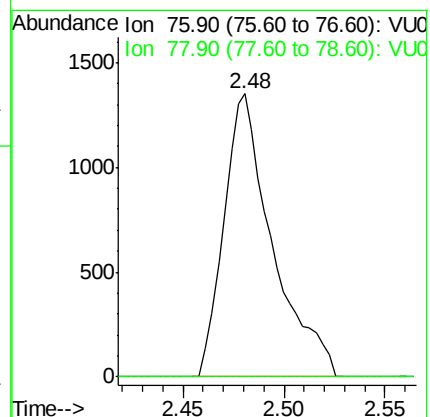
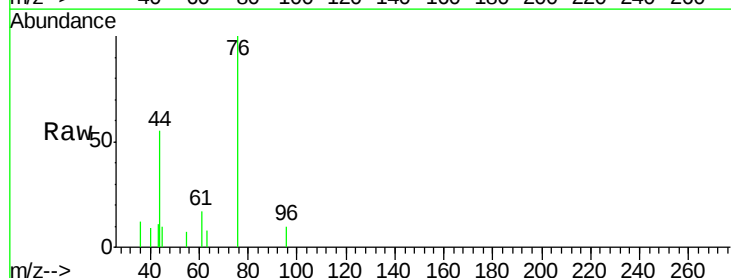
Acq: 05 Jul 2018 17:03

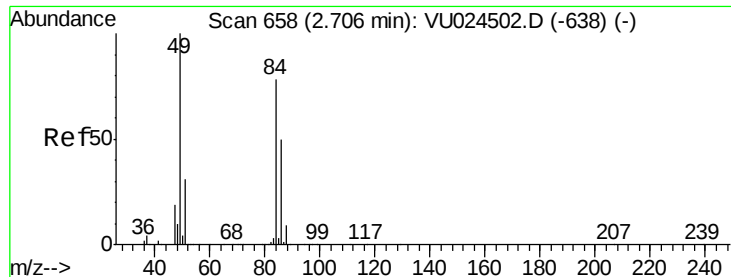
Tgt Ion: 76 Resp: 2253

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

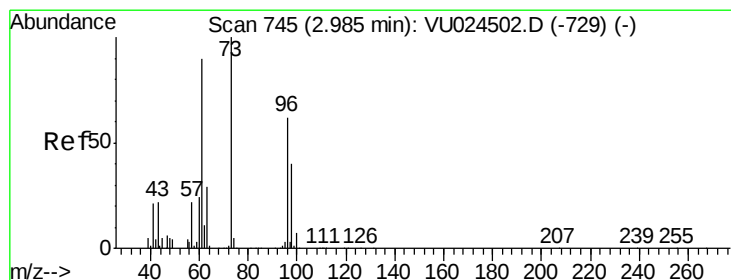
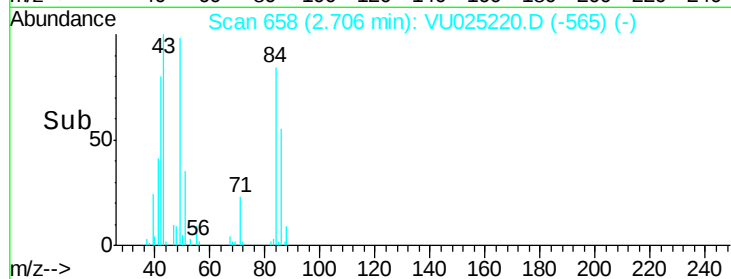
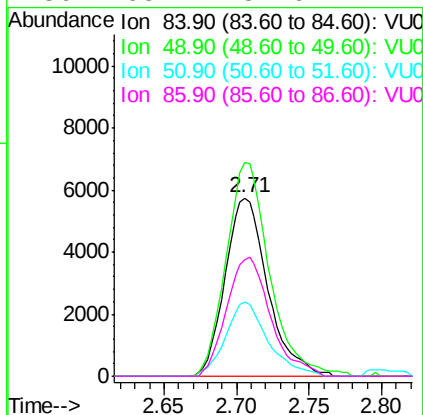
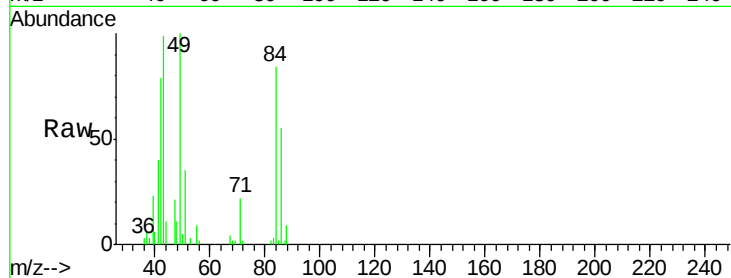




#20
Methvlene Chloride
Concen: 3.48 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

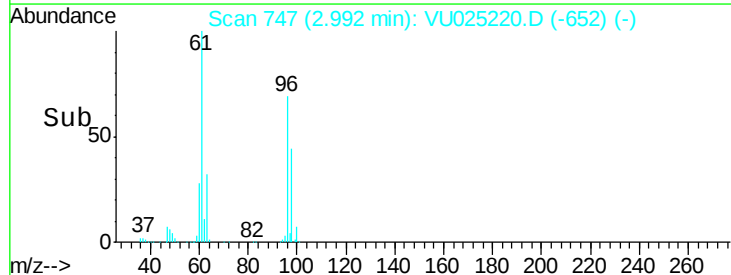
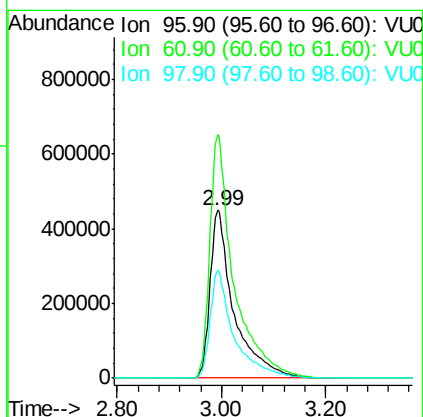
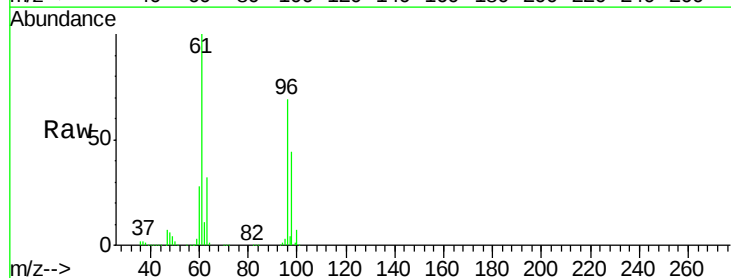
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

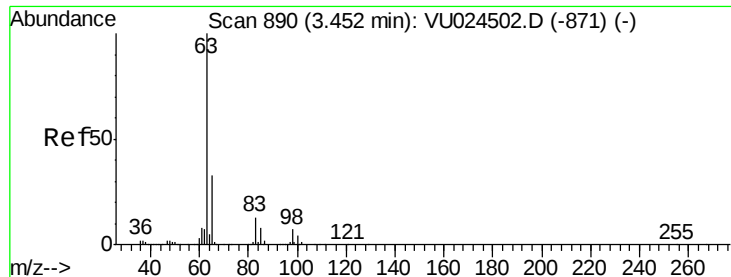
Tot Ion:	84	Resp:	11738
Ion	Ratio	Lower	Upper
84	100		
49	119.7	103.8	155.8
51	41.8	32.0	48.0
86	65.4	51.6	77.4



#21
trans-1,2-Dichloroethene
Concen: 466.43 ug/l
RT: 2.99 min Scan# 747
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion:	96	Resp:	1431577
Ion	Ratio	Lower	Upper
96	100		
61	145.3	119.4	179.0
98	64.0	51.1	76.7





#24

1,1-Dichloroethane

Concen: 16.82 ug/l

RT: 3.46 min Scan# 893

Delta R.T. 0.01 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

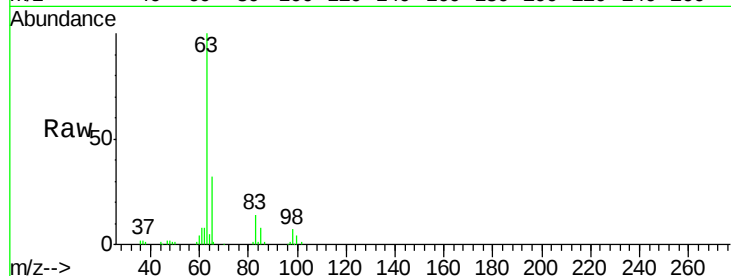
Instrument :

MSVOA_U

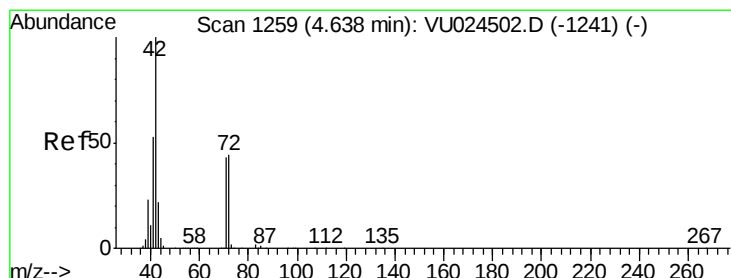
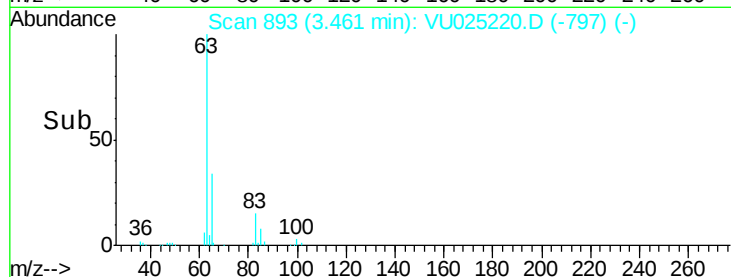
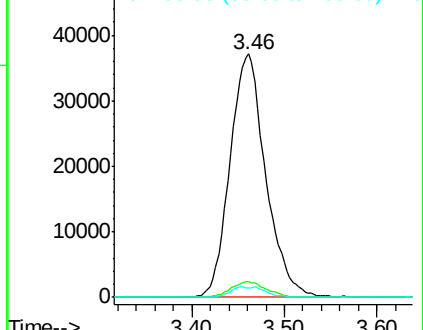
ClientSampleId :

WP021IW465-180628

Tot Ion:	63	Resp:	99257
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	3.6	1.8	5.5



Abundance Ion 62.90 (62.60 to 63.60): VU025220.D (-1166) (-)



#29

Tetrahydrofuran

Concen: 6.01 ug/l

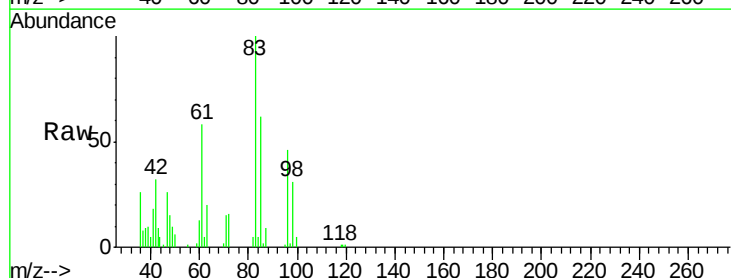
RT: 4.66 min Scan# 1266

Delta R.T. 0.02 min

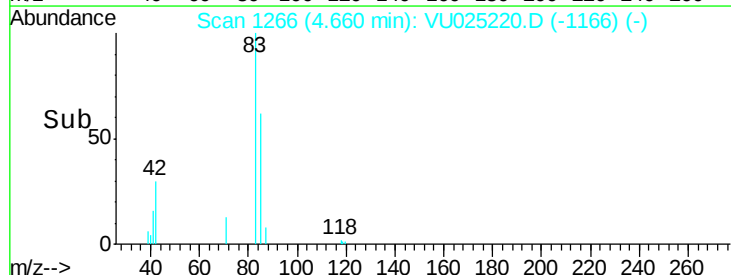
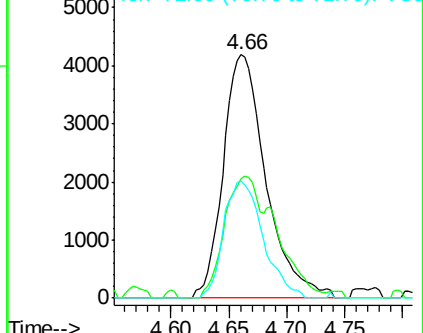
Lab File: VU025220.D

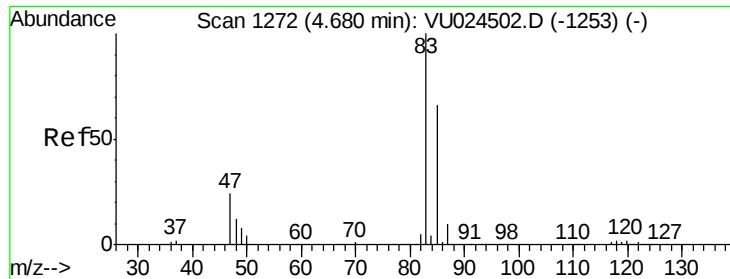
Acq: 05 Jul 2018 17:03

Tgt Ion:	42	Resp:	10730
Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.5	51.7
71	44.4	32.2	48.4



Abundance Ion 42.00 (41.70 to 42.70): VU025220.D (-1166) (-)

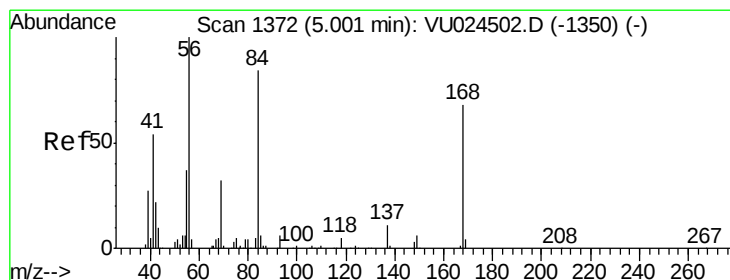
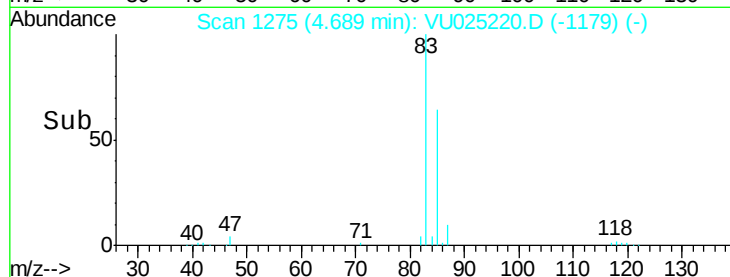
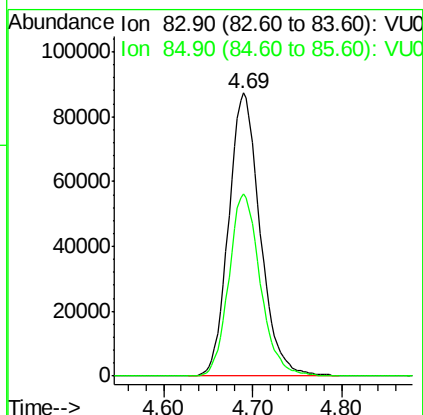
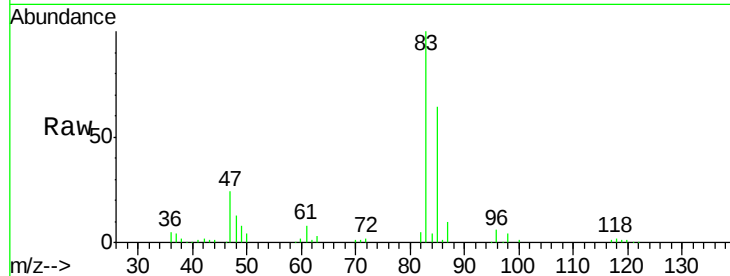




#30
Chloroform
Concen: 35.82 ug/l
RT: 4.69 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

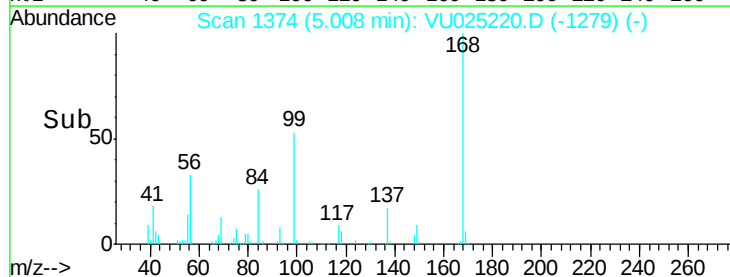
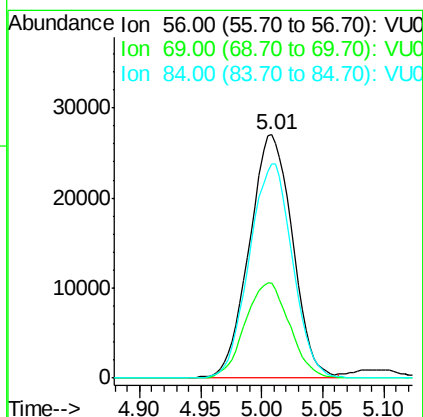
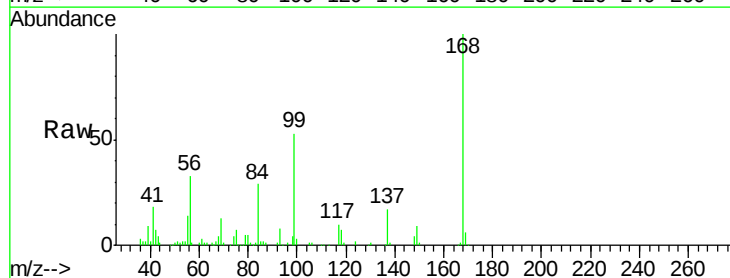
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

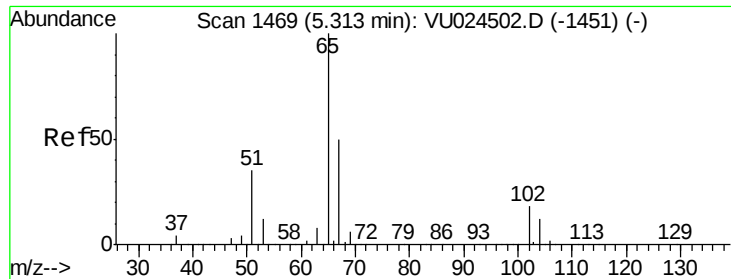
Tot Ion: 83 Resp: 213910
Ion Ratio Lower Upper
83 100
85 64.2 52.4 78.6



#31
Cyclohexane
Concen: 11.12 ug/l
RT: 5.01 min Scan# 1374
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 56 Resp: 66284
Ion Ratio Lower Upper
56 100
69 38.9 24.8 37.2#
84 87.9 65.2 97.8

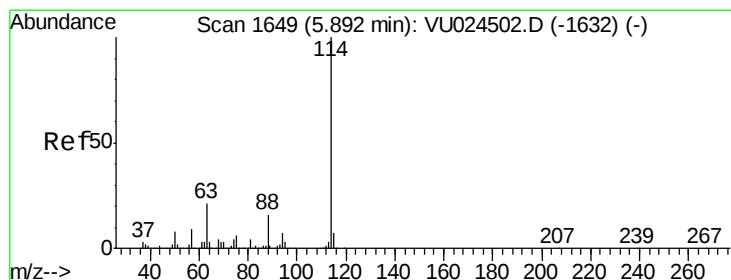
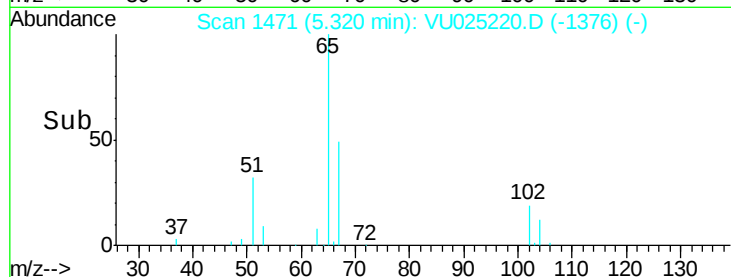
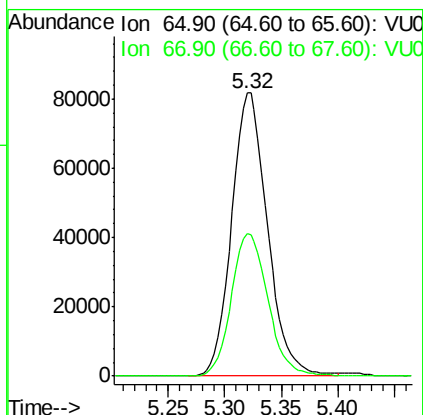
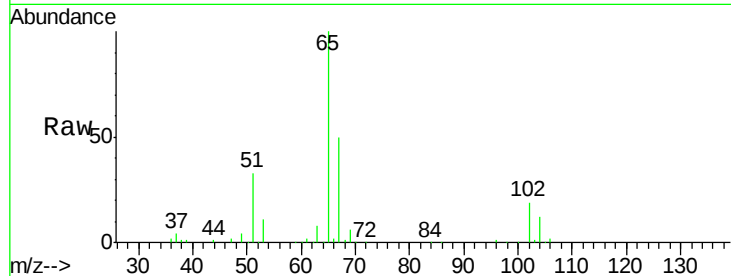




#33
 1,2-Dichloroethane-d4
 Concen: 45.09 ug/l
 RT: 5.32 min Scan# 1471
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

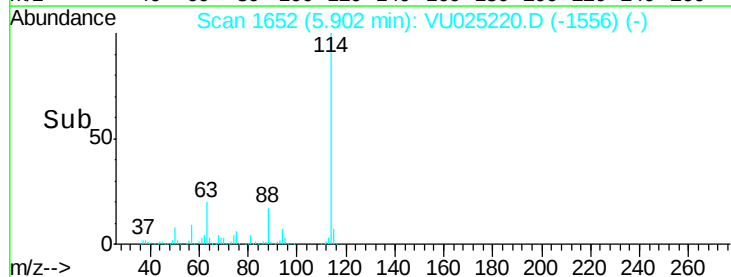
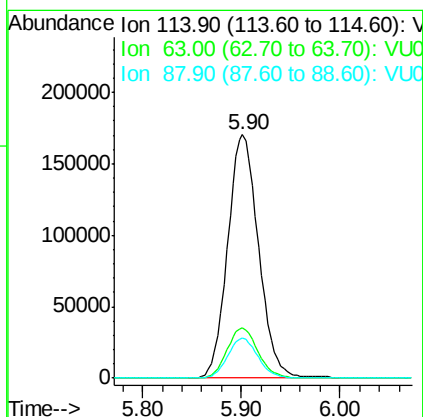
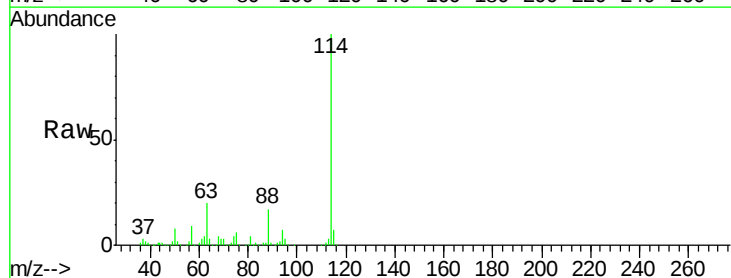
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628

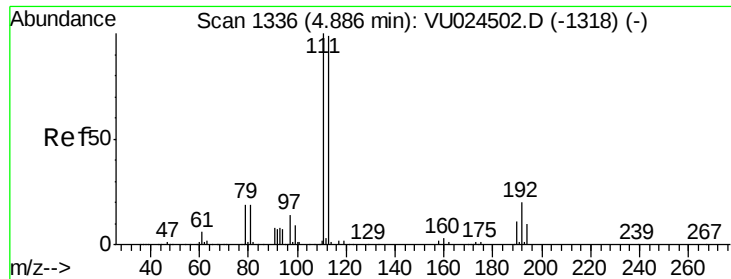
Tot Ion: 65 Resp: 180154
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.90 min Scan# 1652
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 114 Resp: 372446
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 45.4
 88 16.5 0.0 31.0

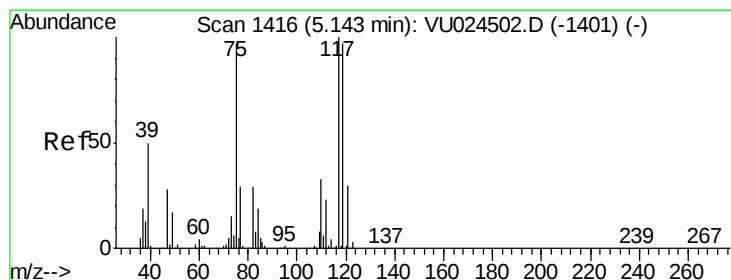
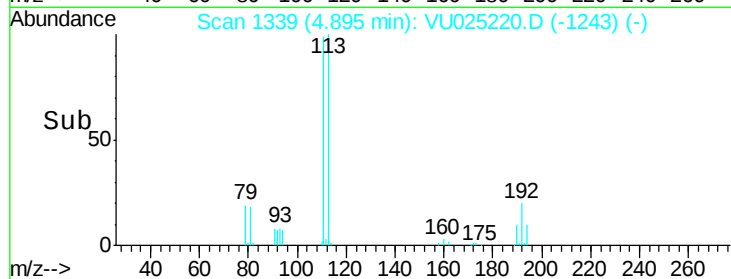
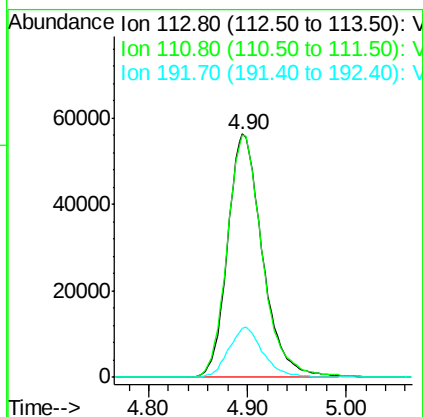
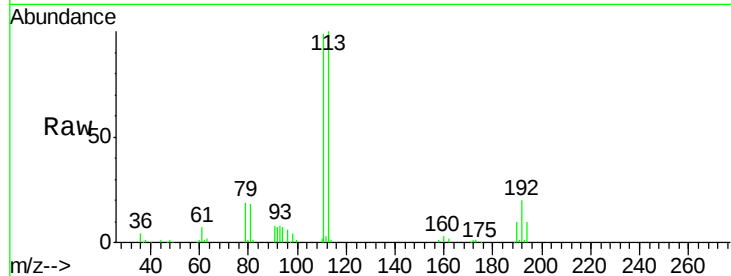




#35
 Dibromofluoromethane
 Concen: 44.60 ug/l
 RT: 4.90 min Scan# 1339
 Delta R.T. 0.01 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

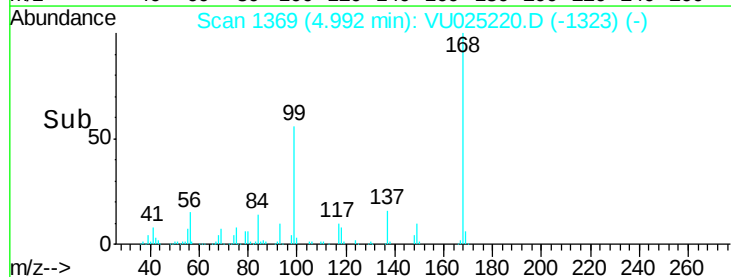
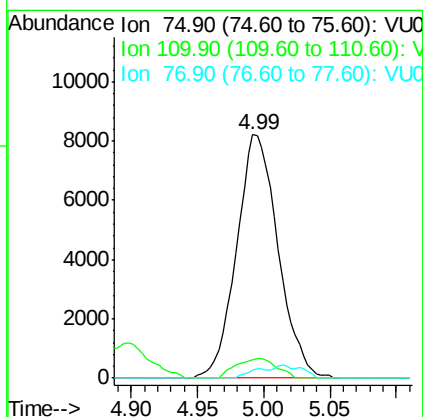
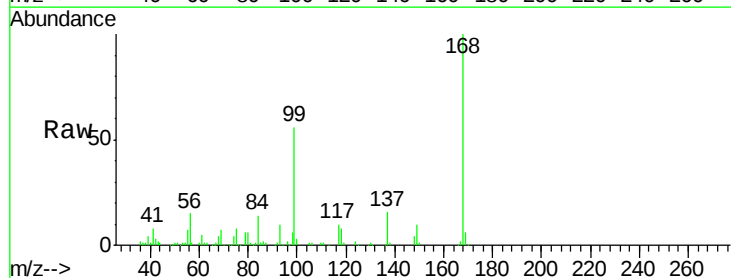
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628

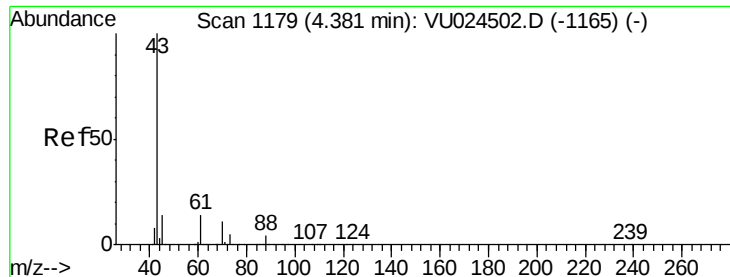
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.2	123.4
192	20.4	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.09 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.0	50.9#
77	0.0	24.2	36.4#

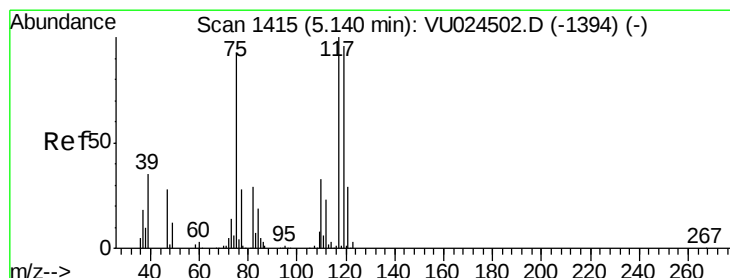
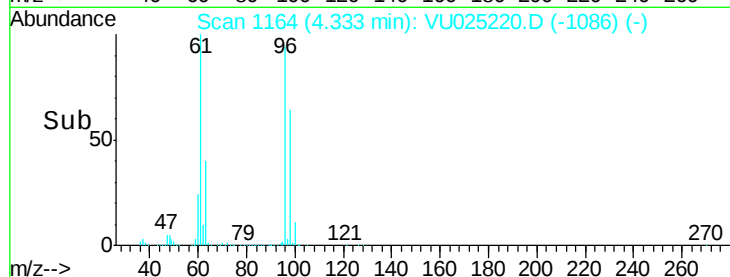
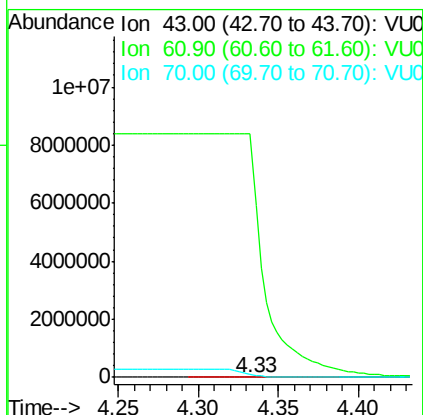
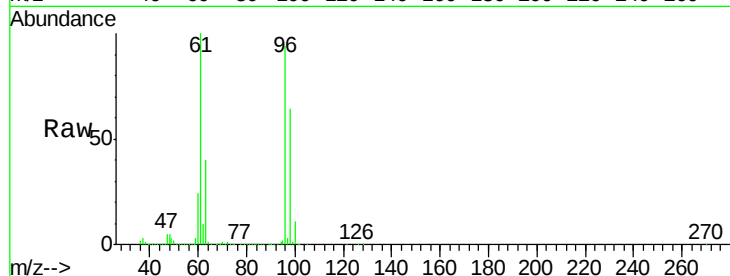




#37
Ethyl Acetate
Concen: 1.52 ug/l
RT: 4.33 min Scan# 1164
Delta R.T. -0.05 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

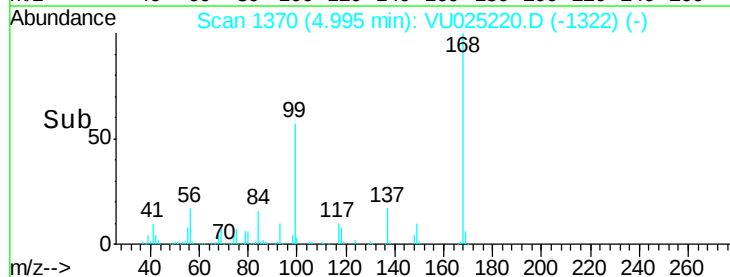
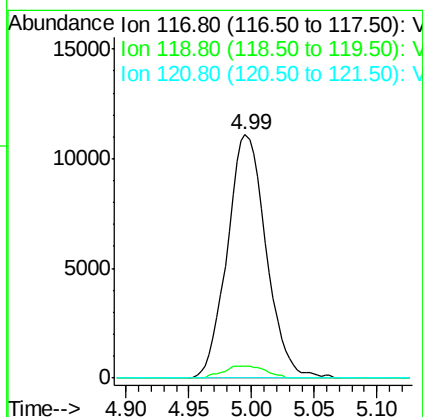
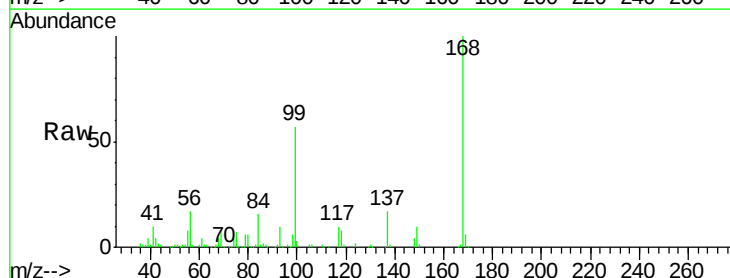
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

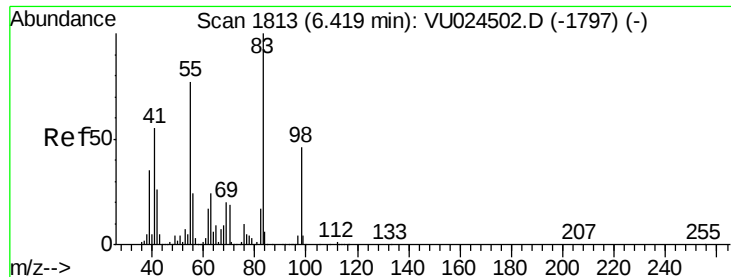
Tot Ion: 43 Resp: 7264
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.4 11.2#



#38
Carbon Tetrachloride
Concen: 4.96 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. -0.14 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 117 Resp: 23889
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 23.7 35.5#

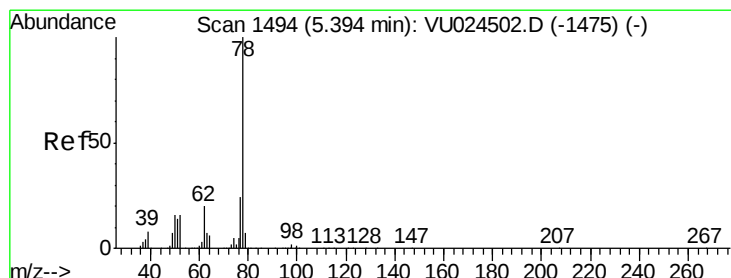
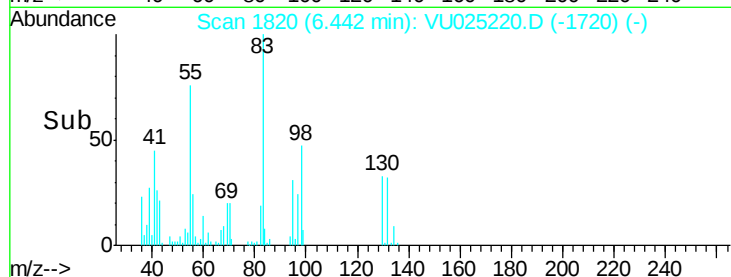
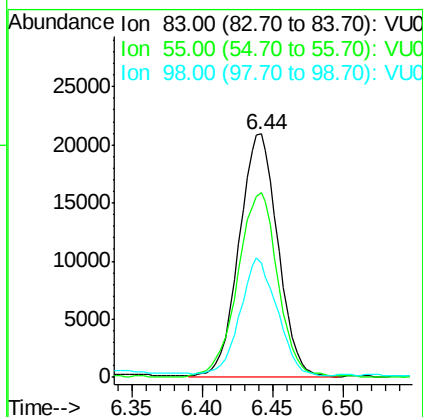
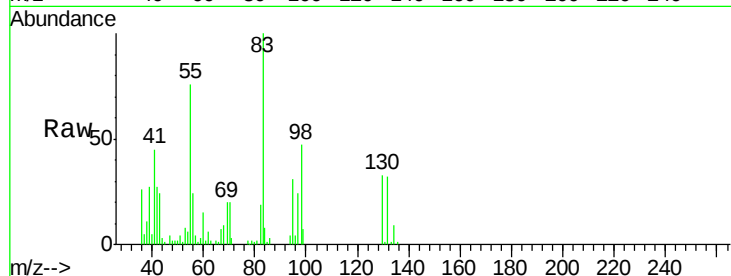




#39
Methvlcvclohexane
Concen: 7.41 ug/l
RT: 6.44 min Scan# 1820
Delta R.T. 0.02 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

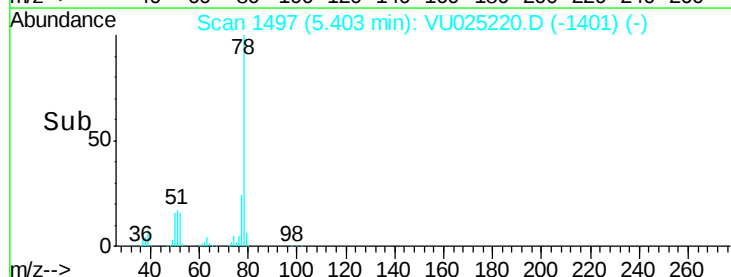
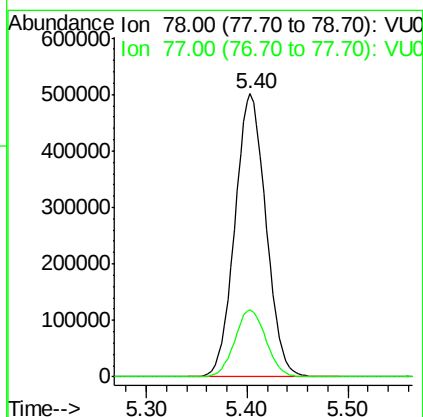
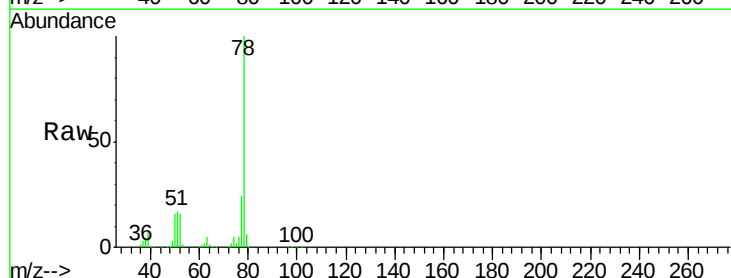
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

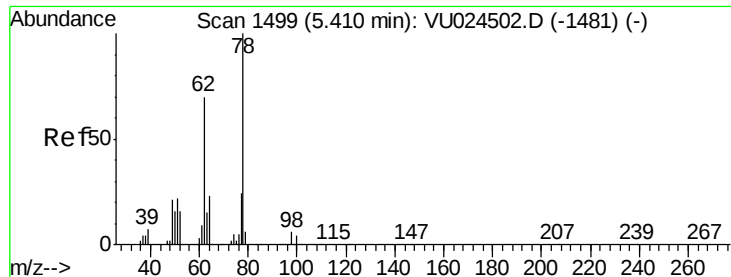
Tot Ion: 83 Resp: 40469
Ion Ratio Lower Upper
83 100
55 75.7 65.8 98.6
98 46.2 36.7 55.1



#40
Benzene
Concen: 85.65 ug/l
RT: 5.40 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 78 Resp: 1068127
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#42

1,2-Dichloroethane

Concen: 6.79 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

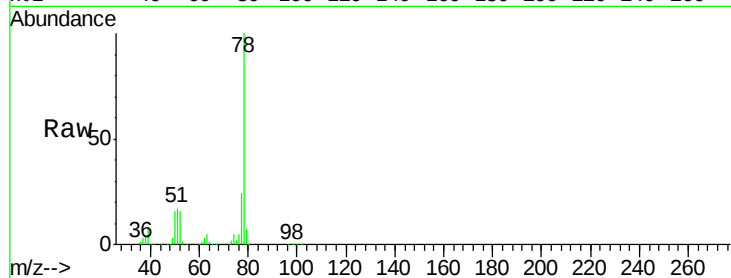
WP021IW465-180628

Tot Ion: 62 Resp: 32257

Ion Ratio Lower Upper

62 100

98 5.8 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

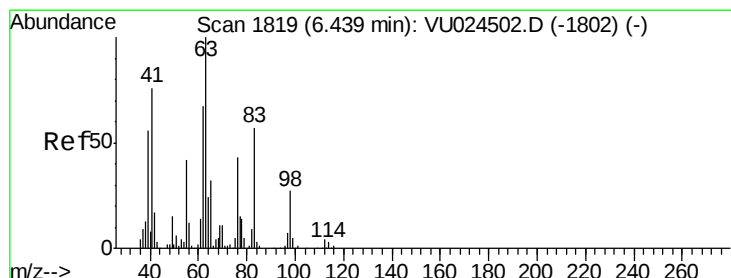
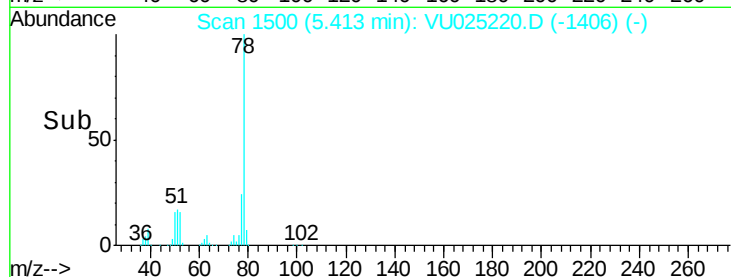
15000

10000

5000

0

Time-->



#45

1,2-Dichloropropane

Concen: 91.55 ug/l

RT: 6.24 min Scan# 1756

Delta R.T. -0.20 min

Lab File: VU025220.D

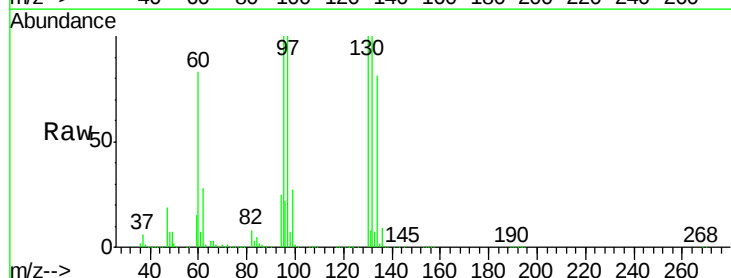
Acq: 05 Jul 2018 17:03

Tgt Ion: 63 Resp: 304630

Ion Ratio Lower Upper

63 100

65 430.5 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

250000

200000

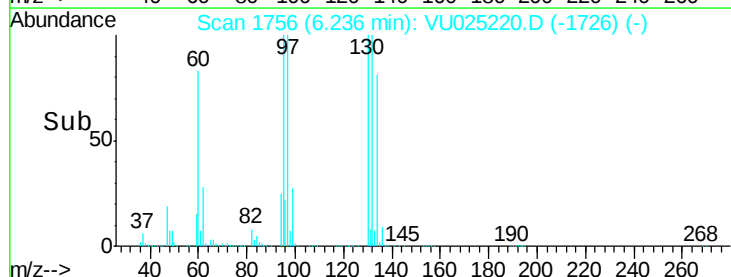
150000

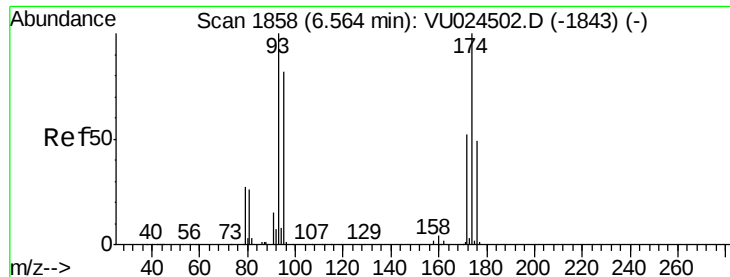
100000

50000

0

Time-->





#46

Dibromomethane

Concen: 1.56 ug/l

RT: 6.29 min Scan# 1772

Delta R.T. -0.28 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

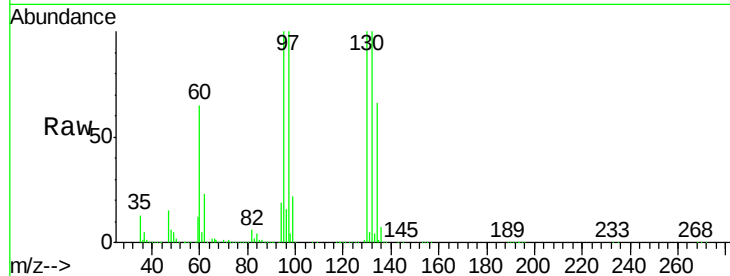
Tot Ion: 93 Resp: 3637

Ion Ratio Lower Upper

93 100

95 0.0 65.5 98.3#

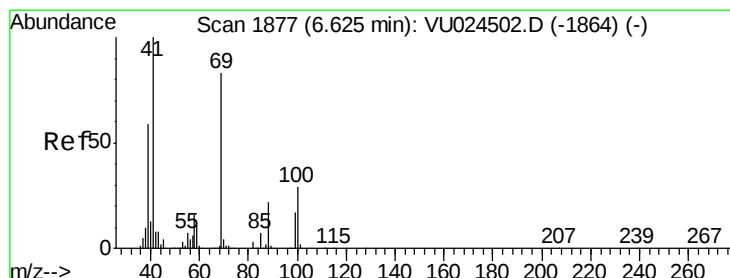
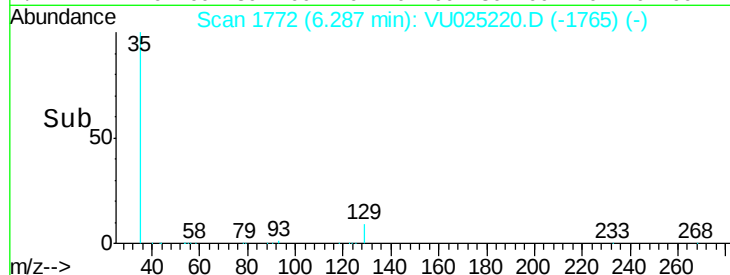
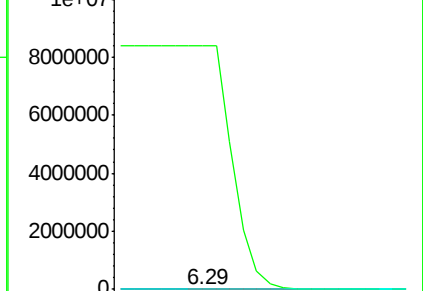
174 0.0 78.7 118.1#



Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V



#48

Methyl methacrylate

Concen: 0.23 ug/l

RT: 6.65 min Scan# 1885

Delta R.T. 0.03 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

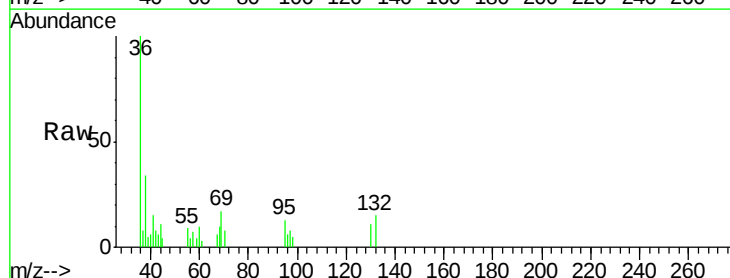
Tgt Ion: 41 Resp: 935

Ion Ratio Lower Upper

41 100

69 99.6 67.3 100.9

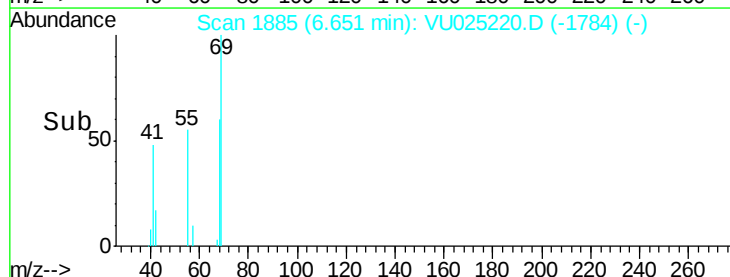
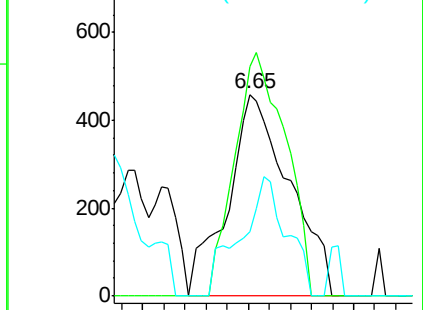
39 44.3 46.5 69.7#

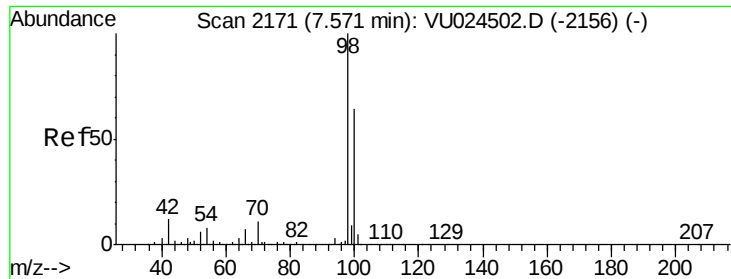


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

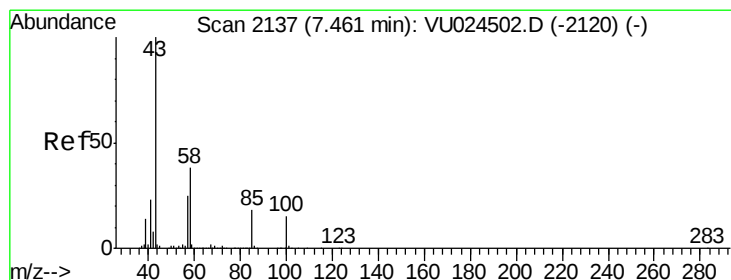
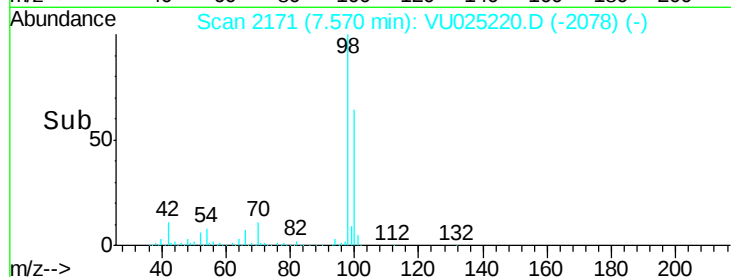
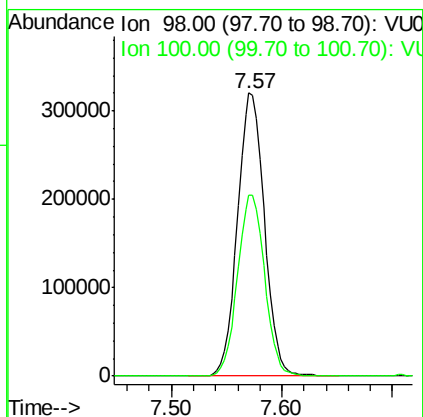
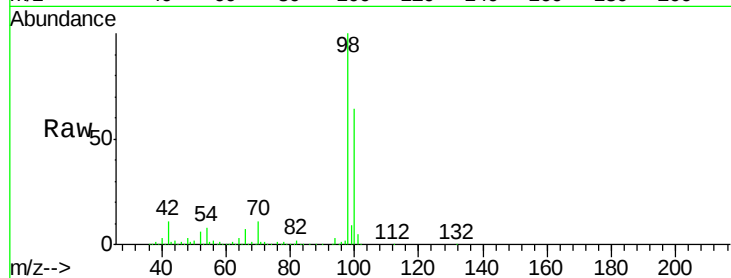




#50
Toluene-d8
Concen: 48.09 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

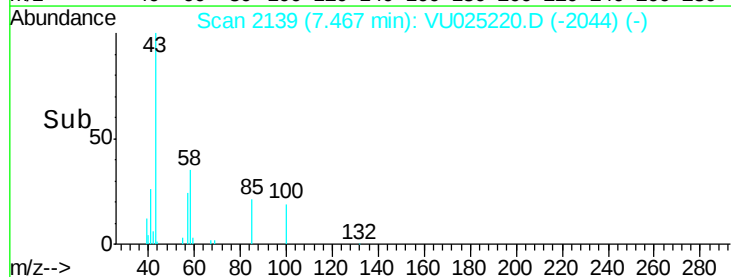
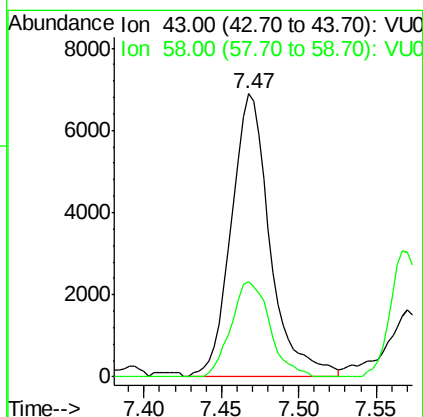
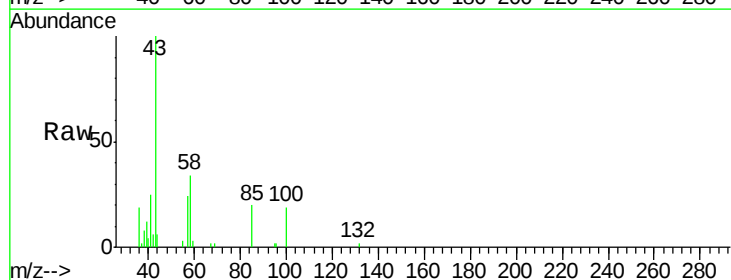
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

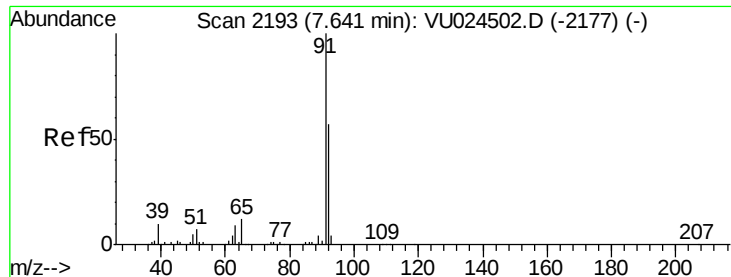
Tot Ion: 98 Resp: 542169
Ion Ratio Lower Upper
98 100
100 64.5 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 2.32 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.01 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 43 Resp: 11997
Ion Ratio Lower Upper
43 100
58 33.7 30.0 45.0





#52

Toluene

Concen: 225.89 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

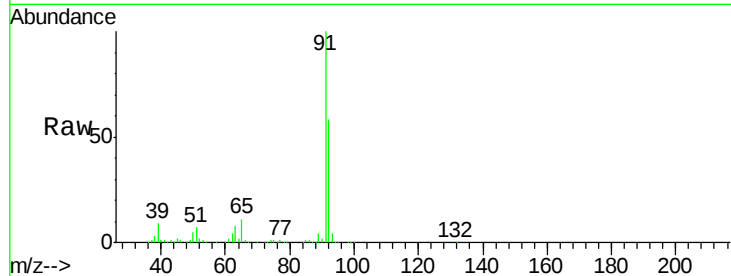
WP021IW465-180628

Tot Ion: 92 Resp: 1812363

Ion Ratio Lower Upper

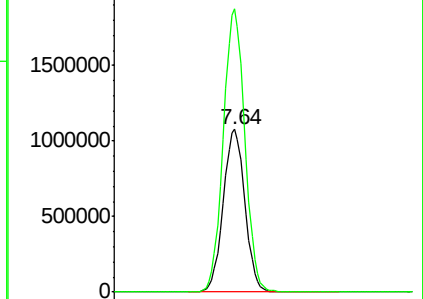
92 100

91 173.2 140.5 210.7

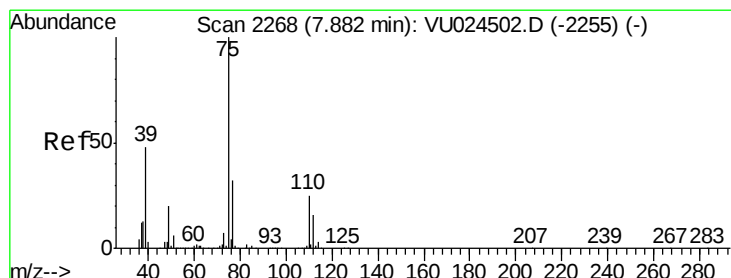
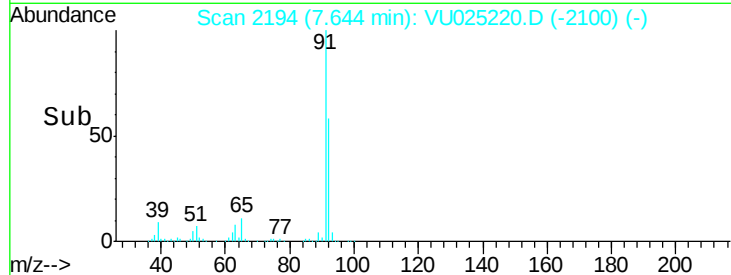


Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#53

t-1,3-Dichloropropene

Concen: 4.35 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VU025220.D

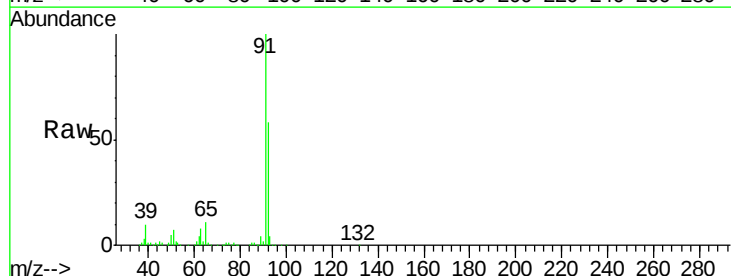
Acq: 05 Jul 2018 17:03

Tgt Ion: 75 Resp: 22736

Ion Ratio Lower Upper

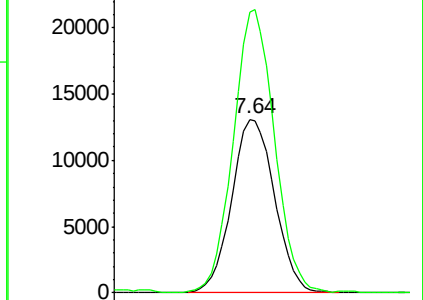
75 100

77 160.5 24.8 37.2#

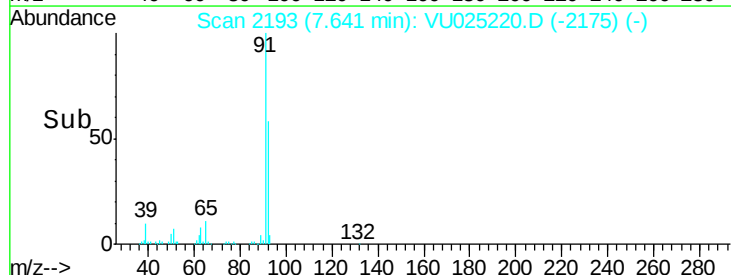


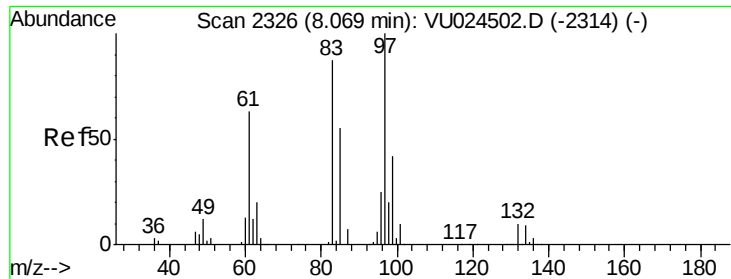
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



Time-->





#55

1,1,2-Trichloroethane

Concen: 55.39 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

Tot Ion: 97 Resp: 180646

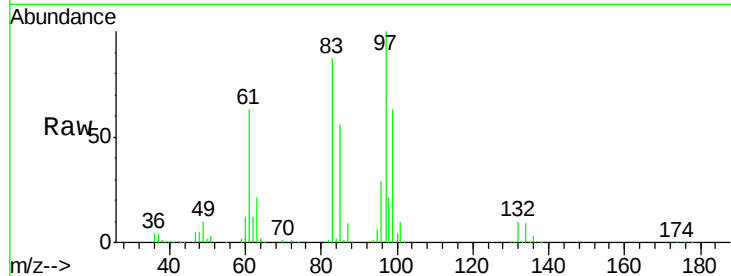
Ion Ratio Lower Upper

97 100

83 87.2 70.5 105.7

85 56.0 46.4 69.6

99 63.5 50.2 75.2

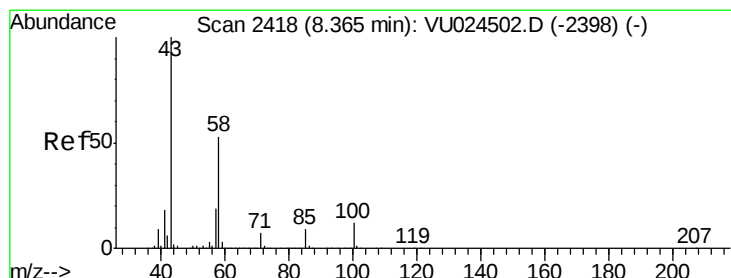
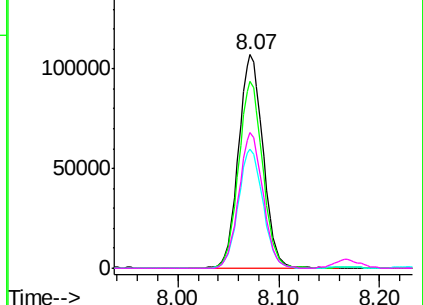
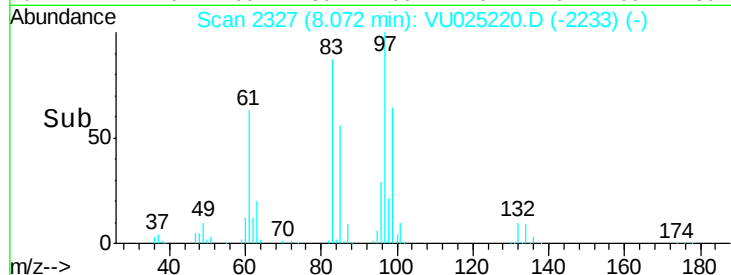


Abundance Ion 96.90 (96.60 to 97.60): VU0

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



#59

2-Hexanone

Concen: 38.30 ug/l

RT: 8.17 min Scan# 2356

Delta R.T. -0.20 min

Lab File: VU025220.D

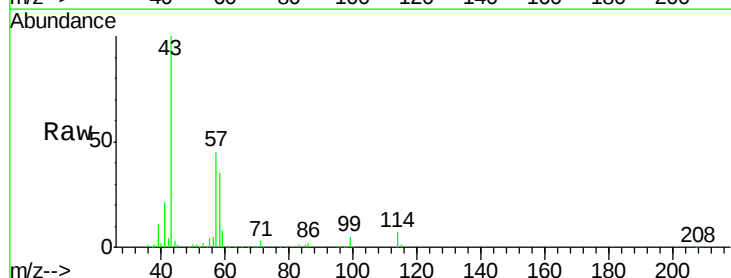
Acq: 05 Jul 2018 17:03

Tgt Ion: 43 Resp: 161980

Ion Ratio Lower Upper

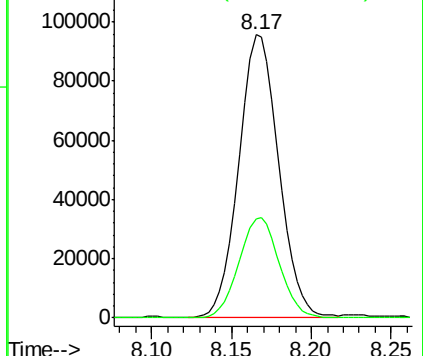
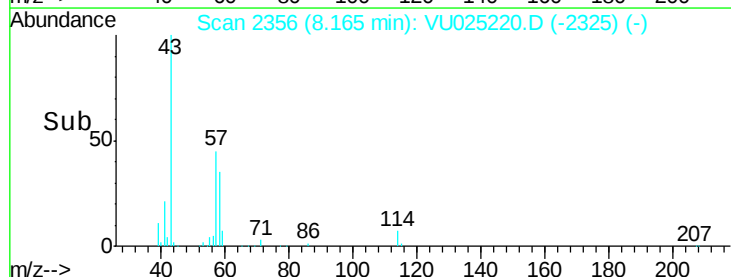
43 100

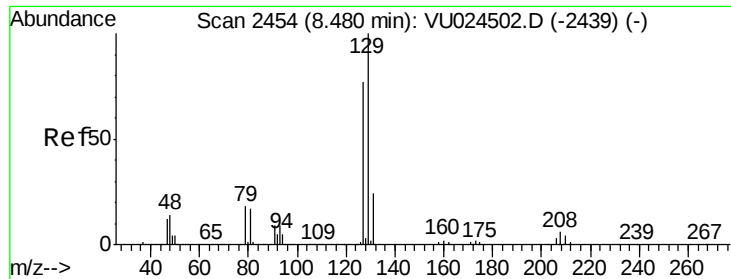
58 36.0 26.4 79.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#60

Dibromochloromethane

Concen: 2.73 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. -0.25 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

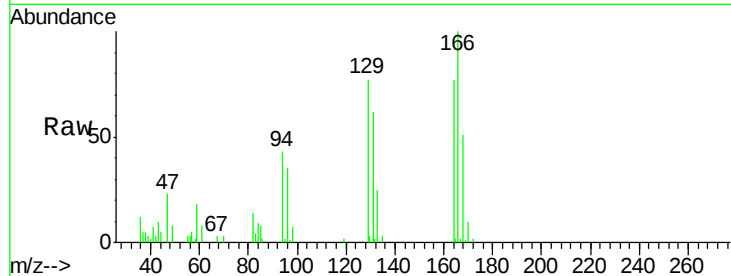
WP021IW465-180628

Tot Ion:129 Resp: 11119

Ion Ratio Lower Upper

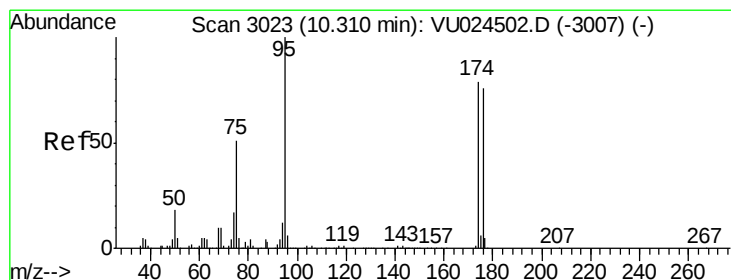
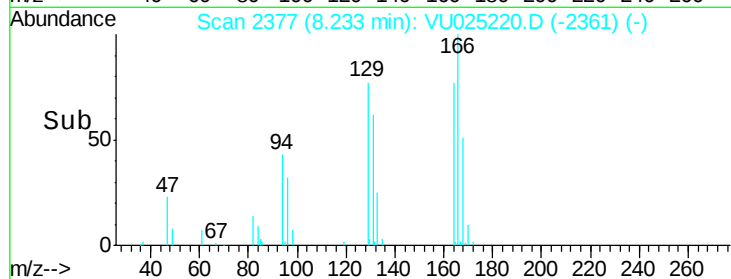
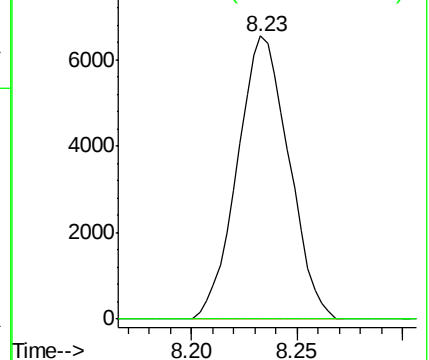
129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

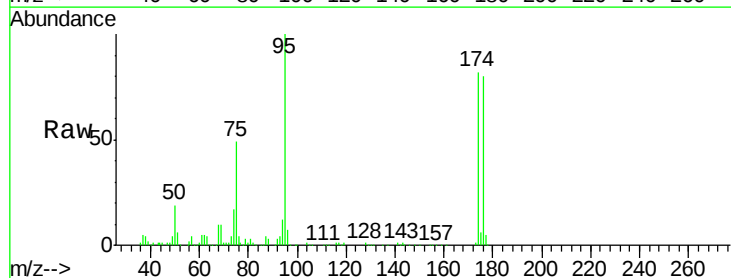
Tgt Ion: 95 Resp: 207601

Ion Ratio Lower Upper

95 100

174 84.0 0.0 165.8

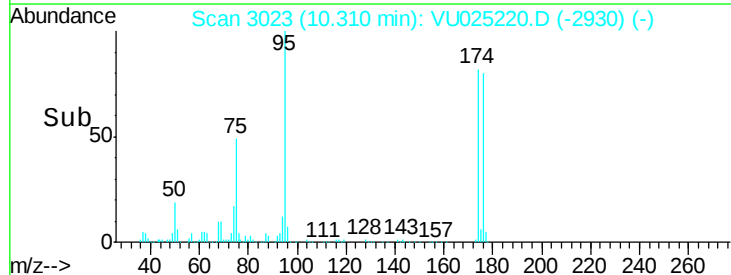
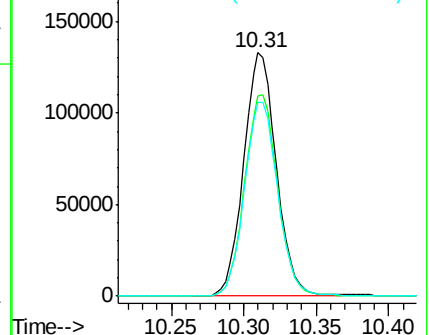
176 81.3 0.0 159.4

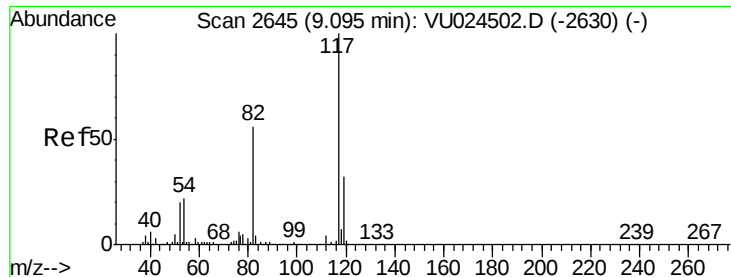


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

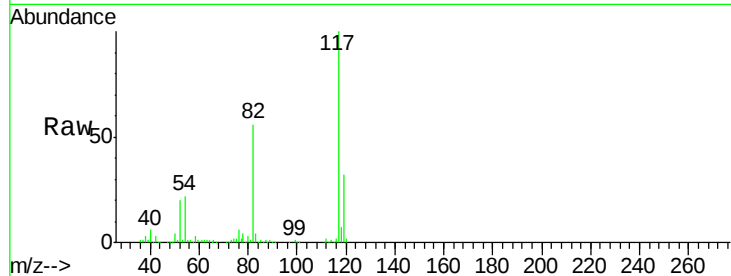




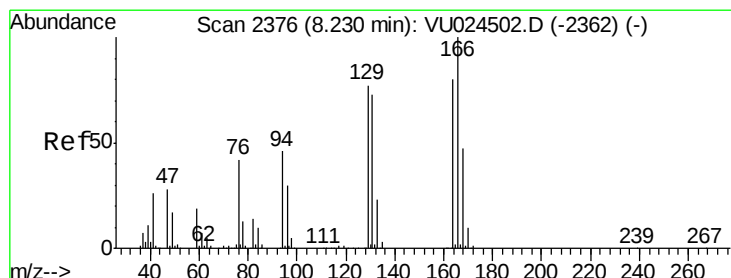
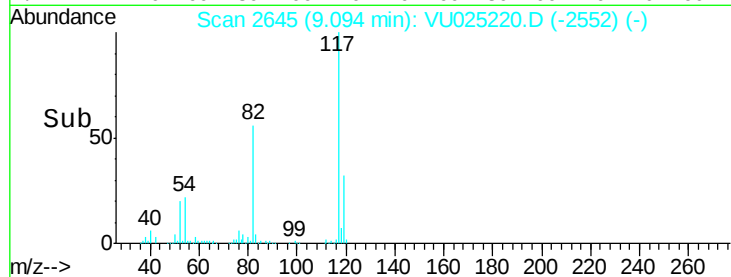
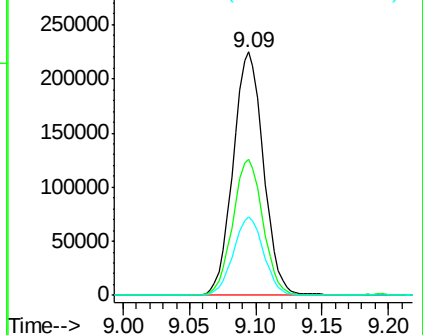
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

Tot Ion:117 Resp: 357994
Ion Ratio Lower Upper
117 100
82 55.9 44.3 66.5
119 32.3 25.4 38.2

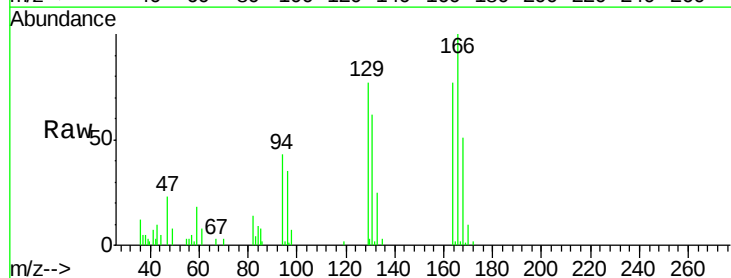


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

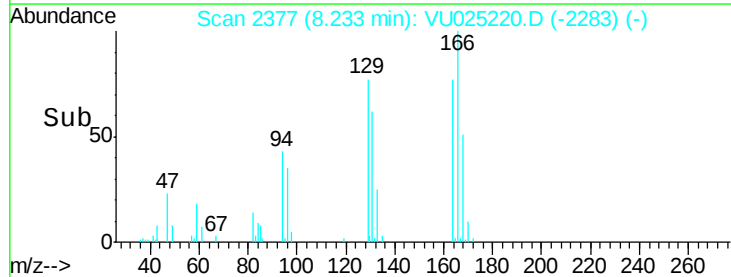
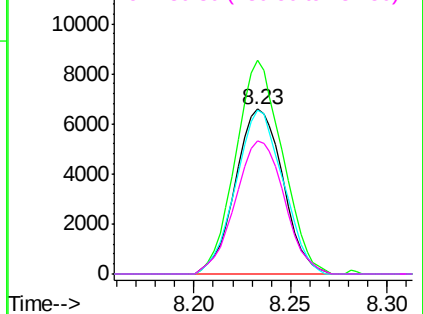


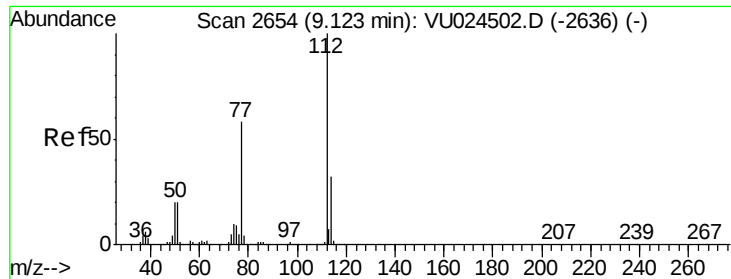
#64
Tetrachloroethene
Concen: 3.29 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion:164 Resp: 11181
Ion Ratio Lower Upper
164 100
166 129.6 101.7 152.5
129 99.4 76.9 115.3
131 80.5 74.9 112.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

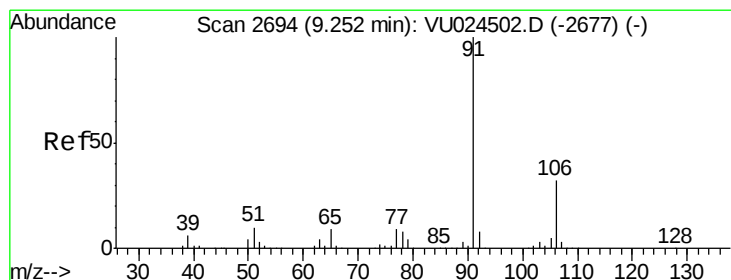
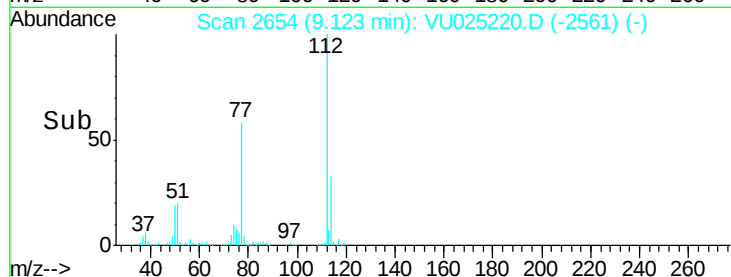
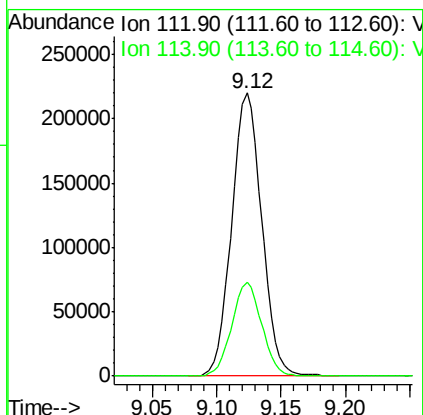
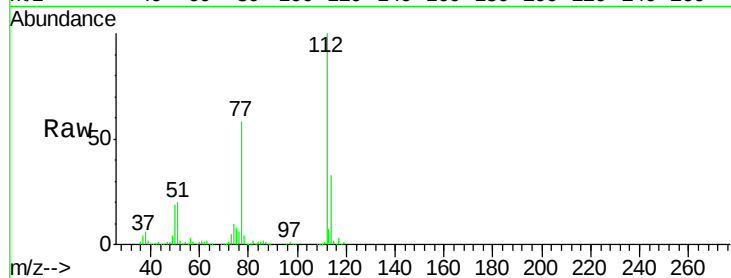




#65
Chlorobenzene
Concen: 39.06 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

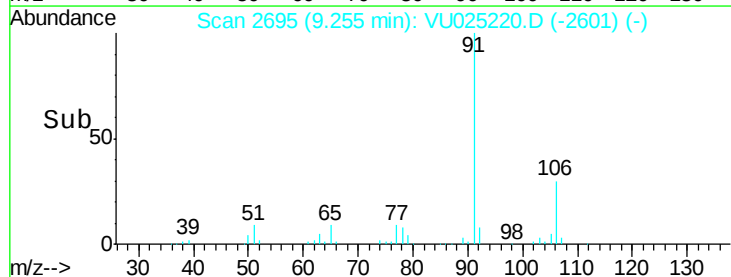
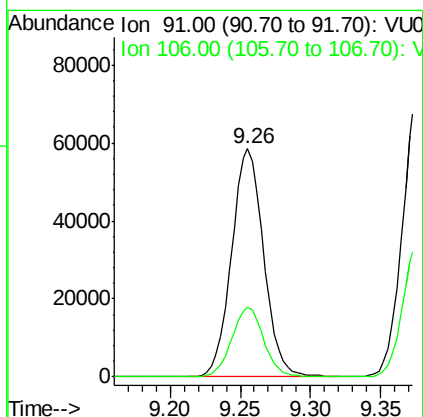
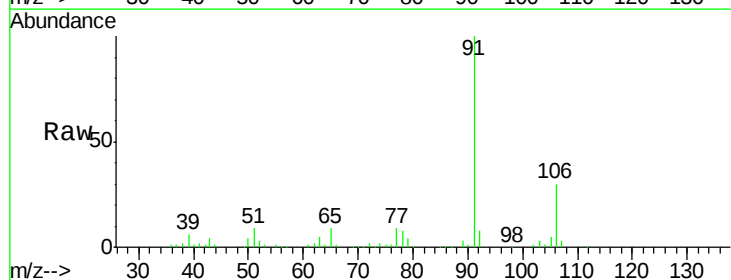
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

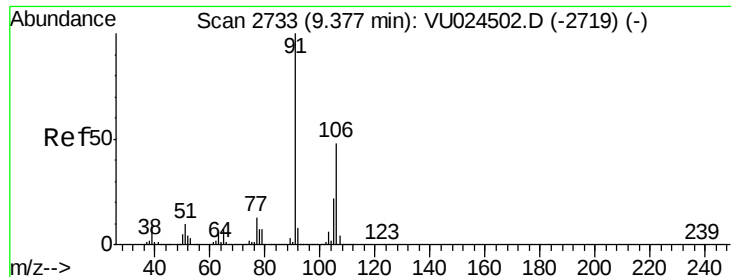
Tot Ion:112 Resp: 357254
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4



#67
Ethyl Benzene
Concen: 5.83 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion: 91 Resp: 93419
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.4

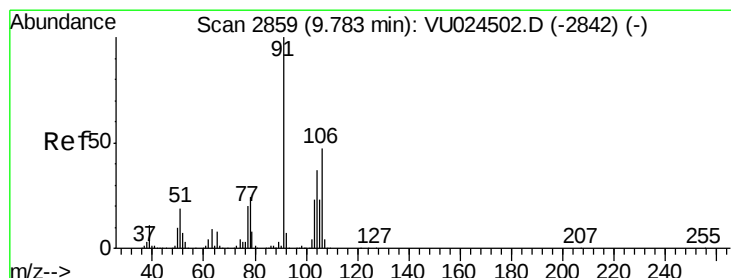
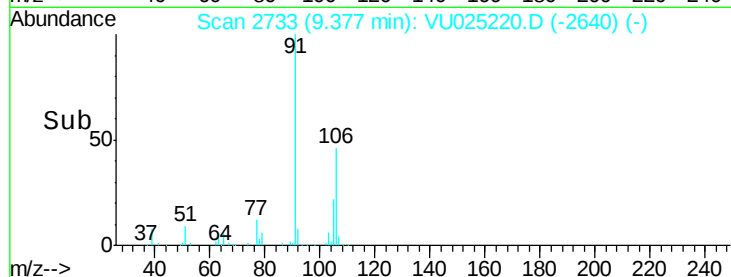
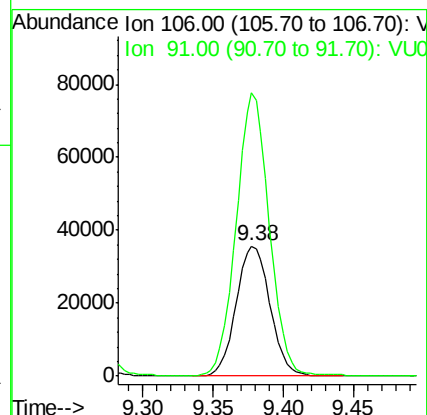
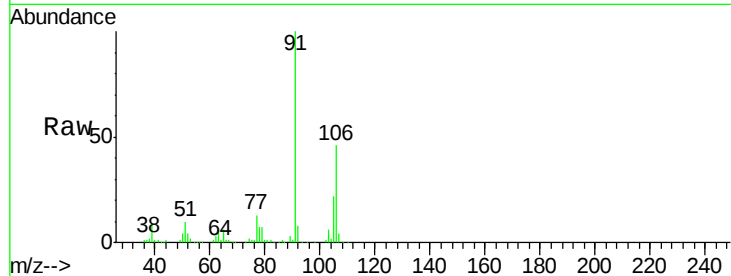




#68
m/p-Xylenes
Concen: 9.83 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

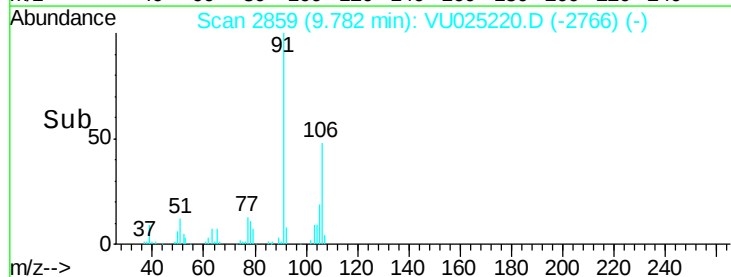
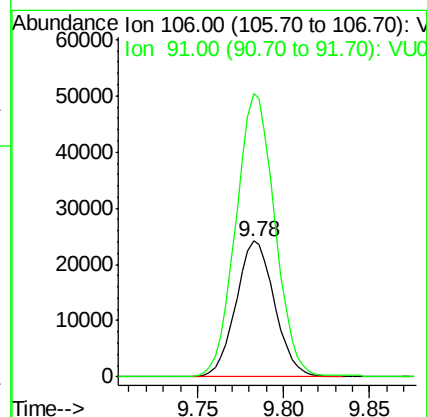
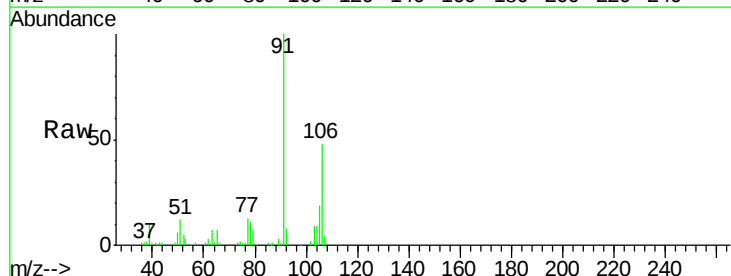
Instrument :
MSVOA_U
ClientSampleId :
WP021IW465-180628

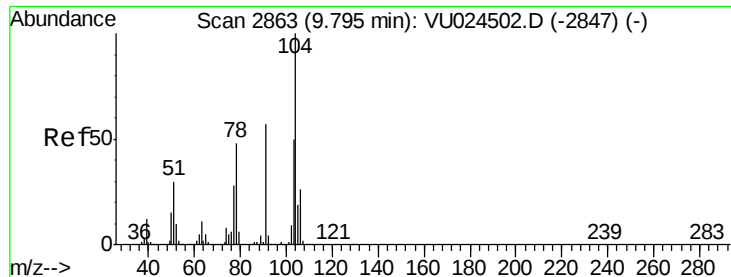
Tot Ion:106 Resp: 60540
Ion Ratio Lower Upper
106 100
91 209.7 166.5 249.7



#69
o-Xylene
Concen: 6.18 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025220.D
Acq: 05 Jul 2018 17:03

Tgt Ion:106 Resp: 37675
Ion Ratio Lower Upper
106 100
91 211.3 110.7 331.9





#70

Stvrene

Concen: 1.92 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

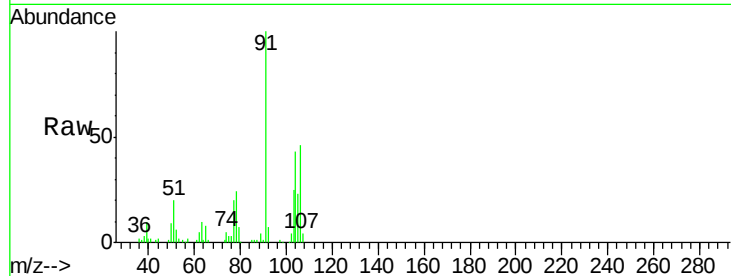
Tot Ion:104 Resp: 19218

Ion Ratio Lower Upper

104 100

78 69.6 40.6 60.8#

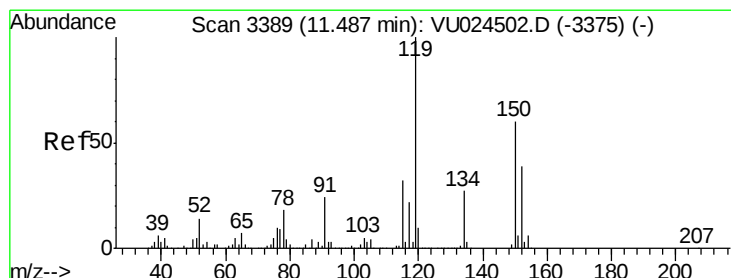
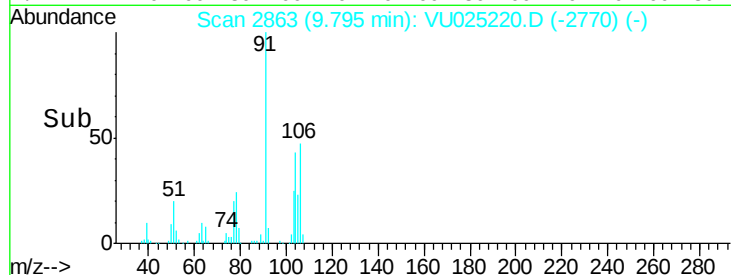
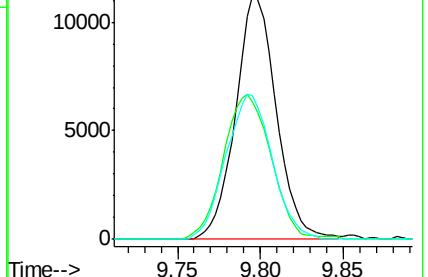
103 67.4 44.7 67.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

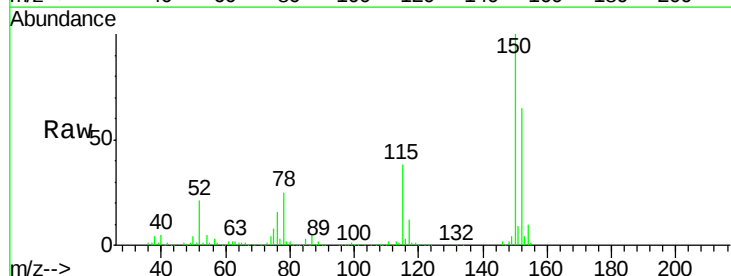
Tgt Ion:152 Resp: 193758

Ion Ratio Lower Upper

152 100

115 57.6 43.0 129.0

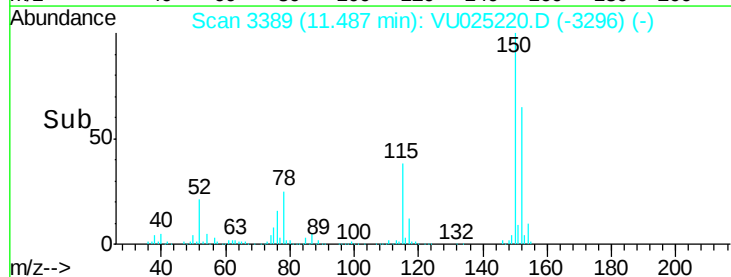
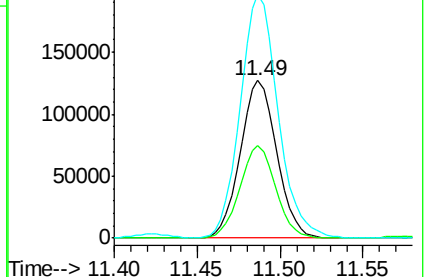
150 160.7 0.0 354.0

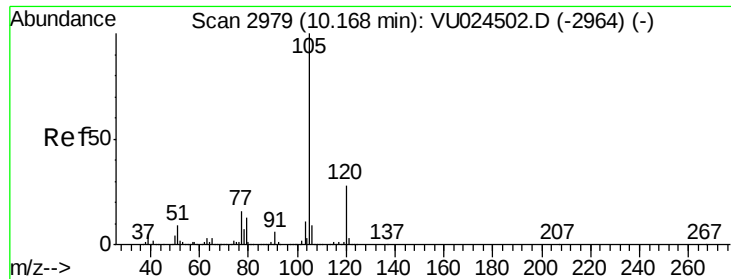


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.36 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

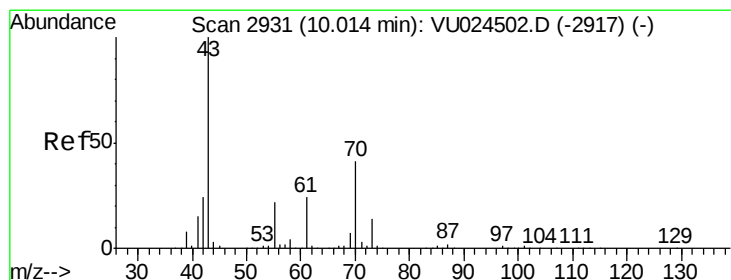
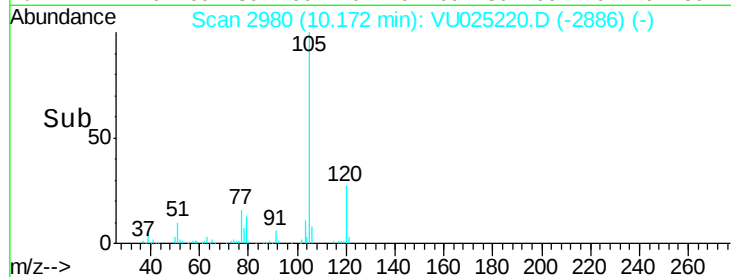
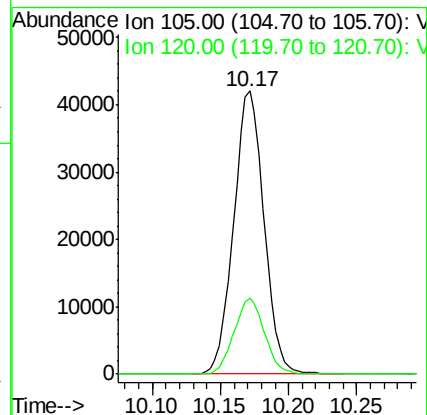
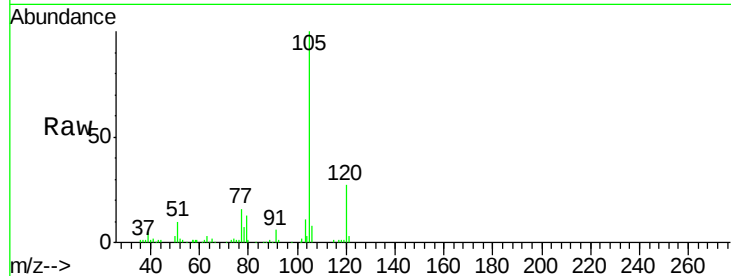
WP021IW465-180628

Tot Ion:105 Resp: 64836

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



#74

N-ethyl acetate

Concen: 0.82 ug/l

RT: 10.08 min Scan# 2951

Delta R.T. 0.06 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Tgt Ion: 43 Resp: 5803

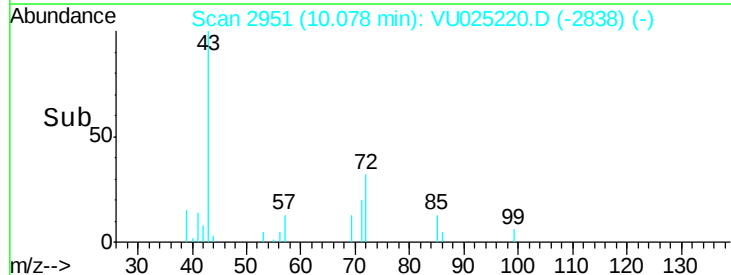
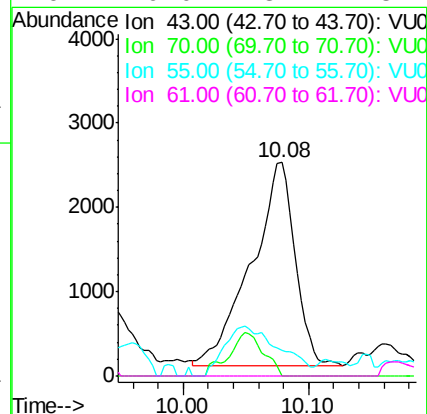
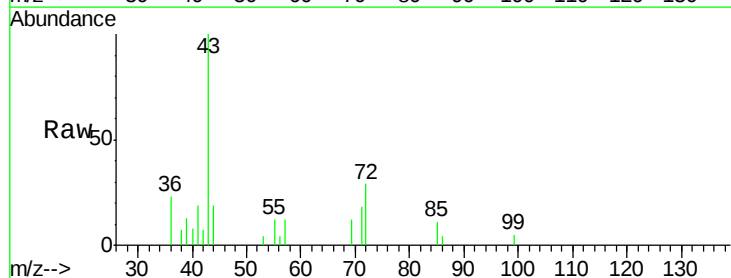
Ion Ratio Lower Upper

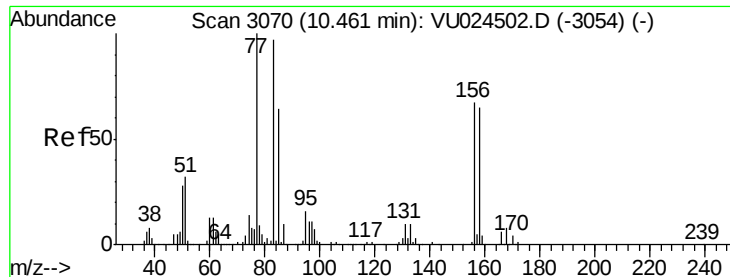
43 100

70 0.0 32.2 48.4#

55 0.0 20.5 30.7#

61 0.0 18.7 28.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.59 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

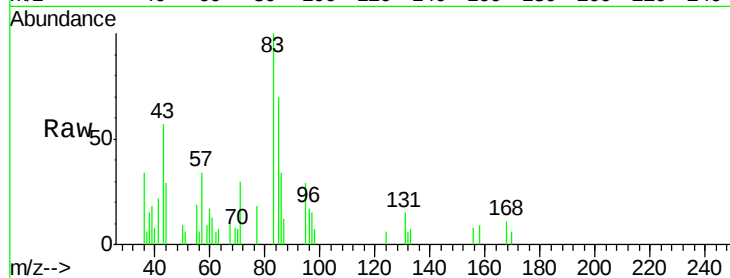
Tot Ion: 83 Resp: 2928

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

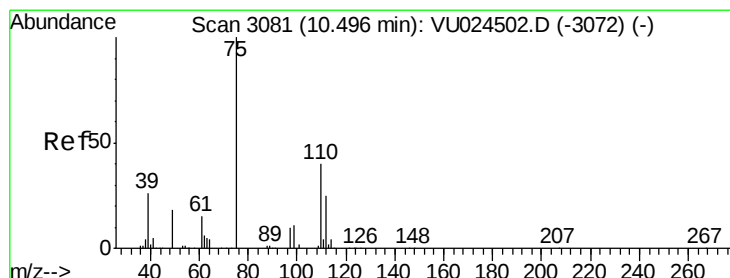
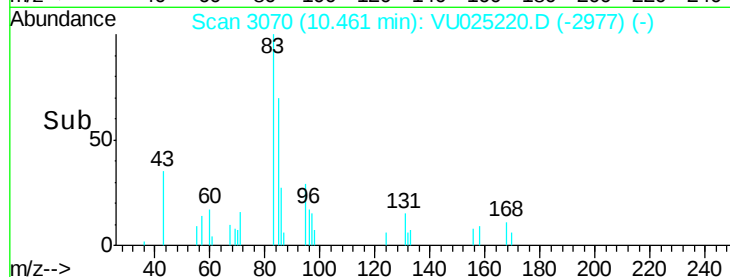
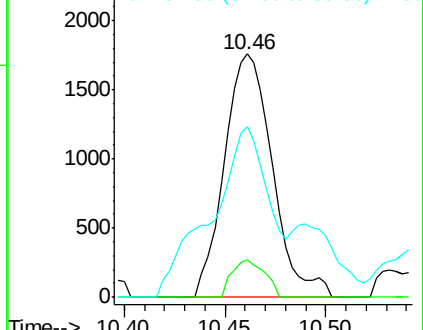
85 85.1 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VU025220.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025220.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025220.D (-2977) (-)



#76

1,2,3-Trichloropropane

Concen: 24.77 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025220.D

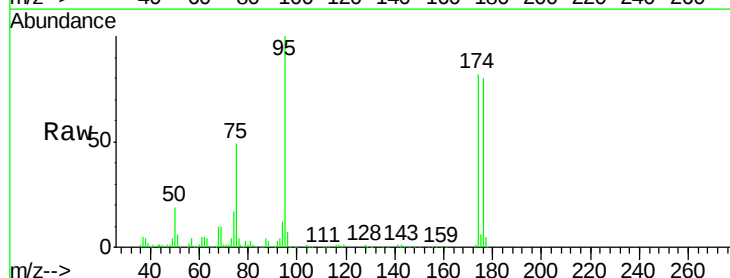
Acq: 05 Jul 2018 17:03

Tgt Ion: 75 Resp: 105683

Ion Ratio Lower Upper

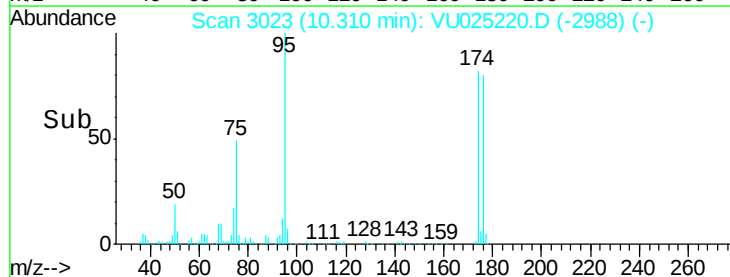
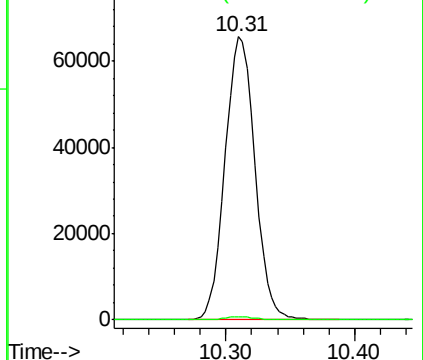
75 100

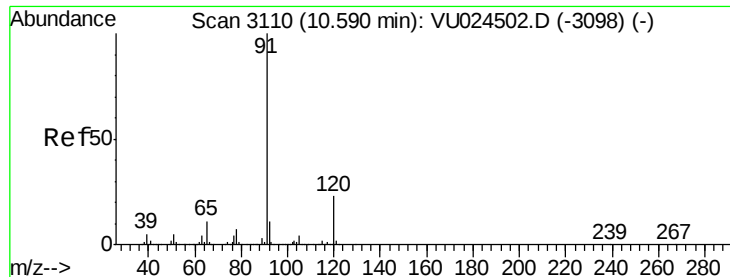
77 1.3 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU025220.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025220.D (-2988) (-)





#78

n-propylbenzene

Concen: 1.11 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

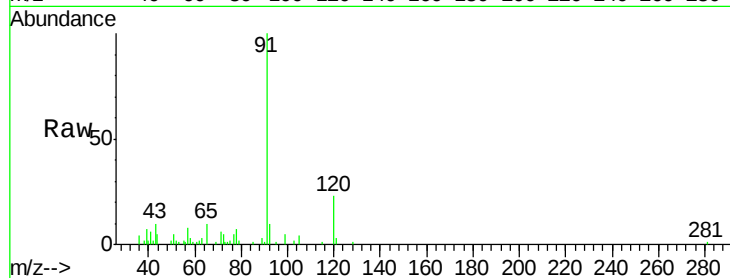
WP021IW465-180628

Tot Ion: 91 Resp: 19530

Ion Ratio Lower Upper

91 100

120 24.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V

10.59

15000

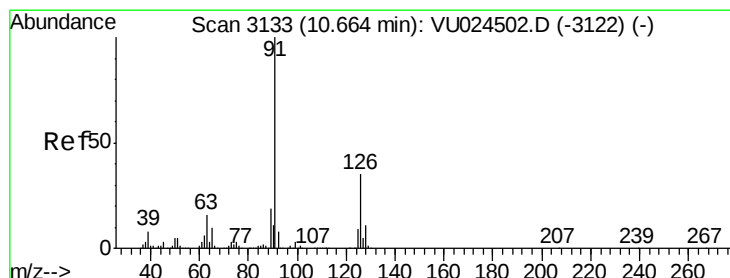
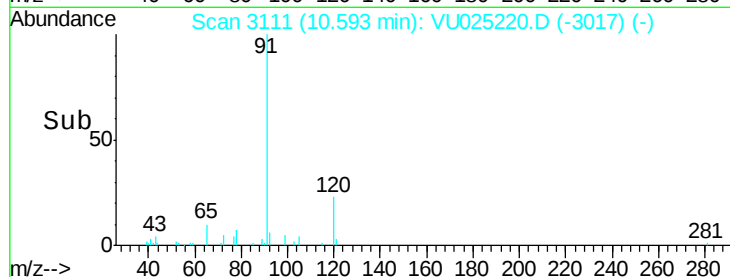
10000

5000

0

Time-->

10.55 10.60 10.65



#79

2-Chlorotoluene

Concen: 0.25 ug/l

RT: 10.68 min Scan# 3139

Delta R.T. 0.02 min

Lab File: VU025220.D

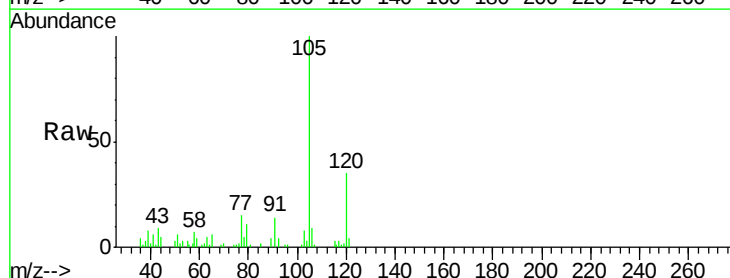
Acq: 05 Jul 2018 17:03

Tgt Ion: 91 Resp: 2613

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.7#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V

10.68

2000

1500

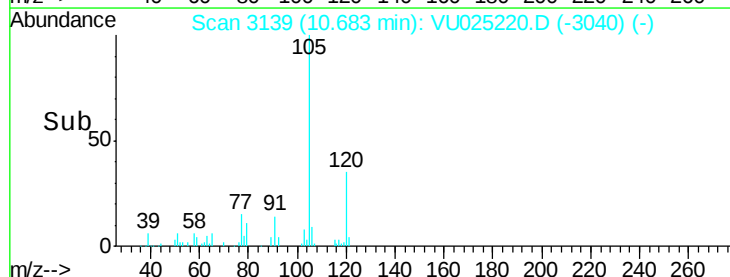
1000

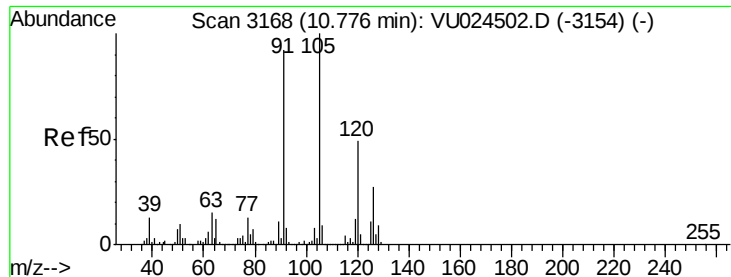
500

0

Time-->

10.65 10.70





#80

1,3,5-Trimethylbenzene

Concen: 1.61 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

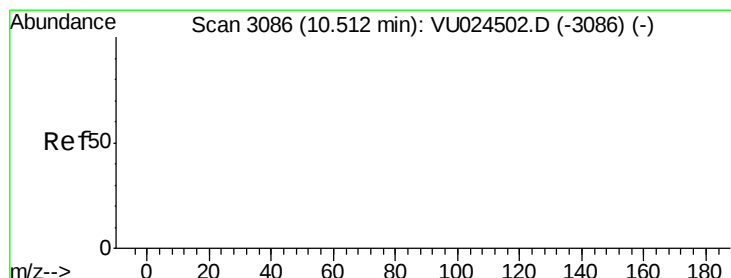
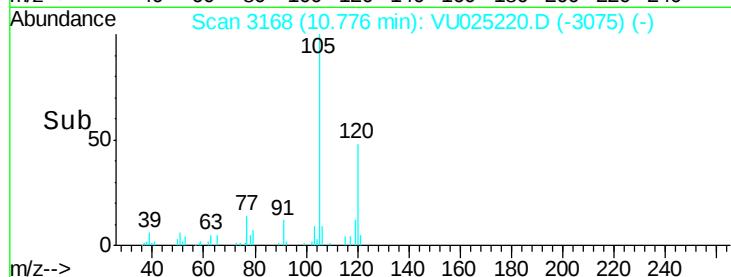
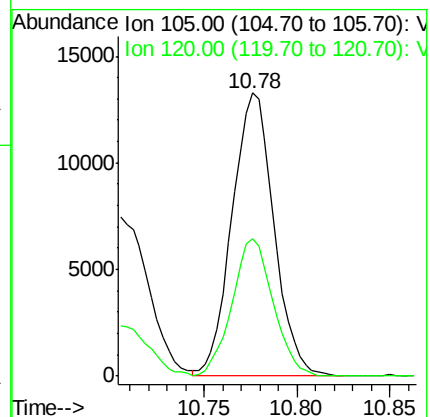
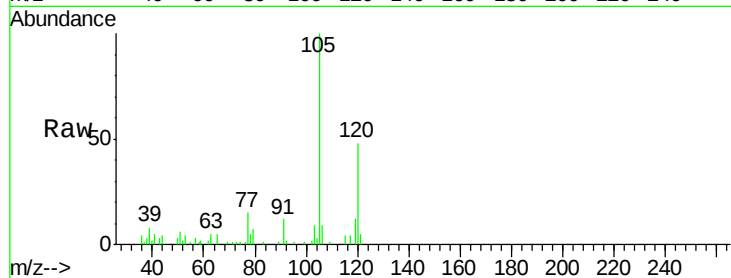
WP021IW465-180628

Tot Ion:105 Resp: 20823

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.2



#81

trans-1,4-Dichloro-2-butene

Concen: 57.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

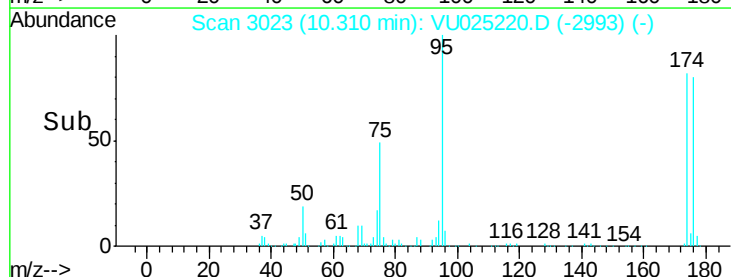
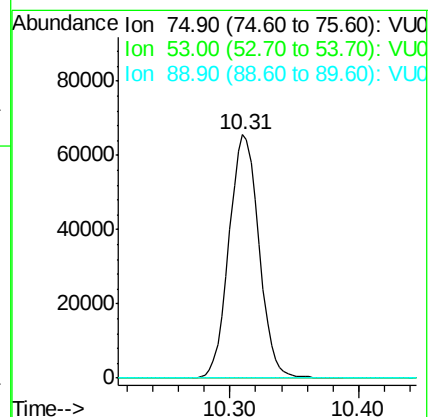
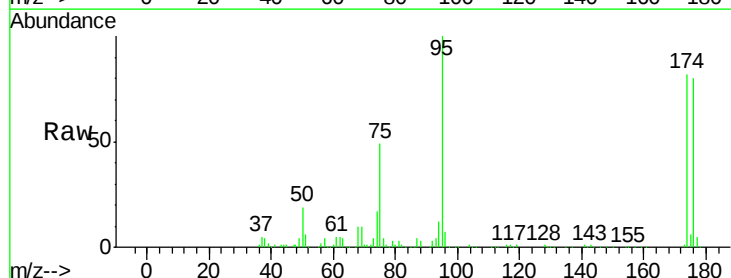
Tgt Ion: 75 Resp: 105683

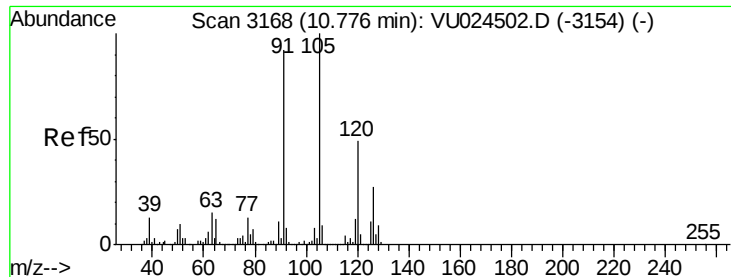
Ion Ratio Lower Upper

75 100

53 0.1 0.0 0.0#

89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.22 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

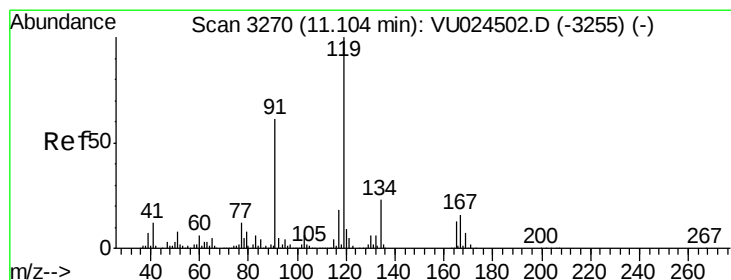
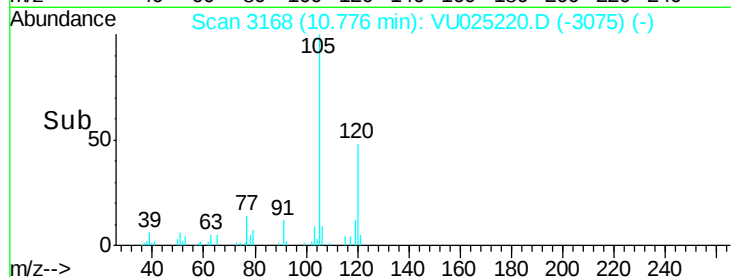
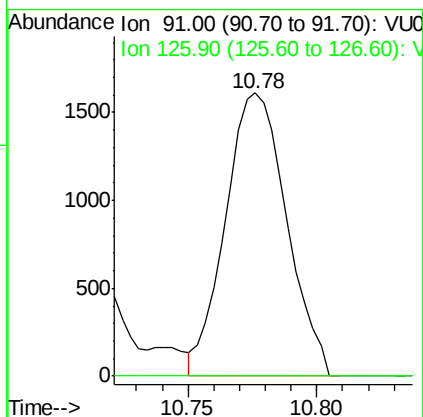
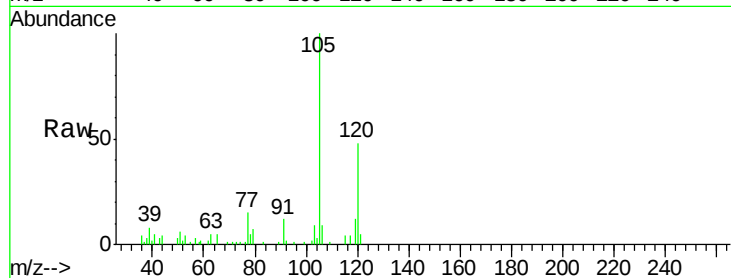
WP021IW465-180628

Tot Ion: 91 Resp: 2663

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.9#



#83

tert-Butylbenzene

Concen: 2.40 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

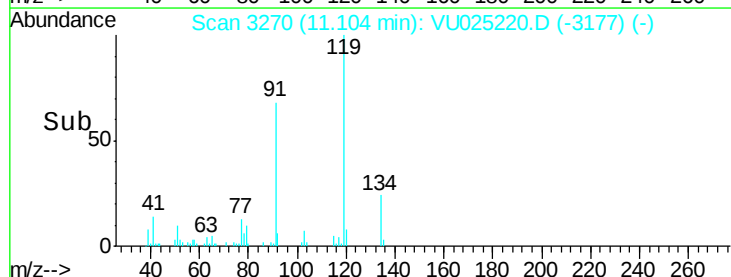
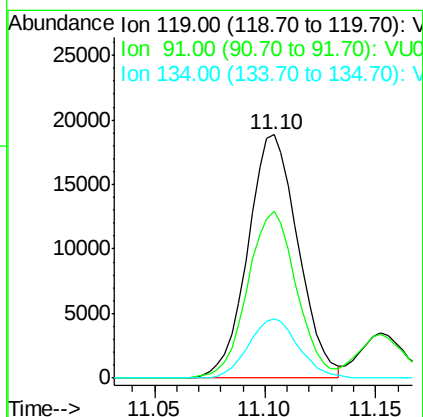
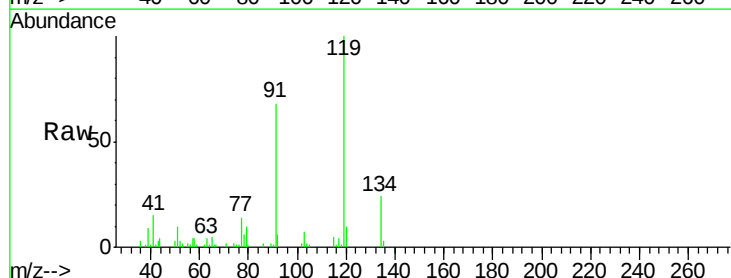
Tgt Ion: 119 Resp: 29767

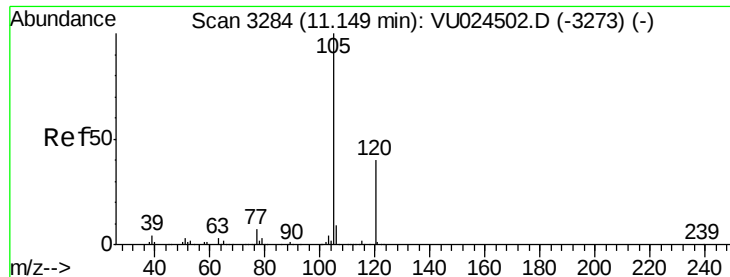
Ion Ratio Lower Upper

119 100

91 67.2 29.7 89.1

134 24.2 11.6 34.7

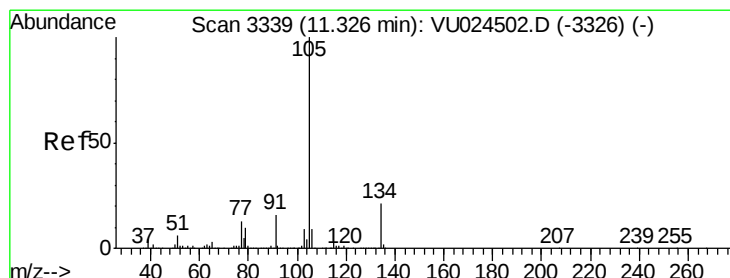
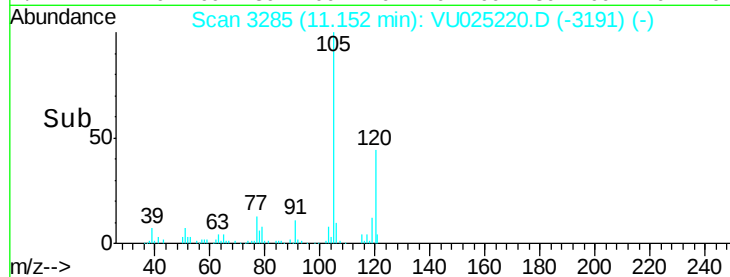
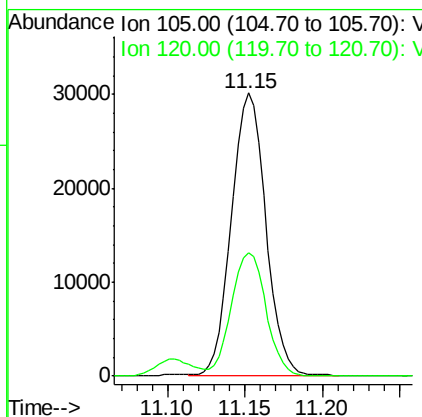
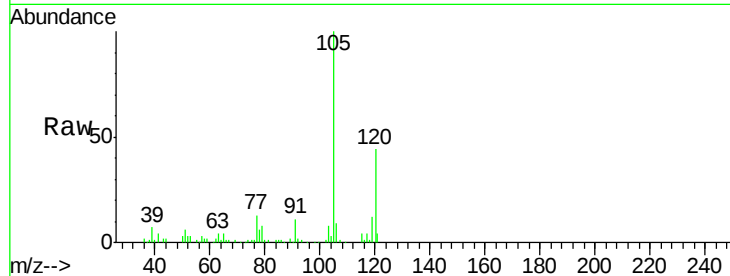




#84
 1,2,4-Trimethylbenzene
 Concen: 3.55 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

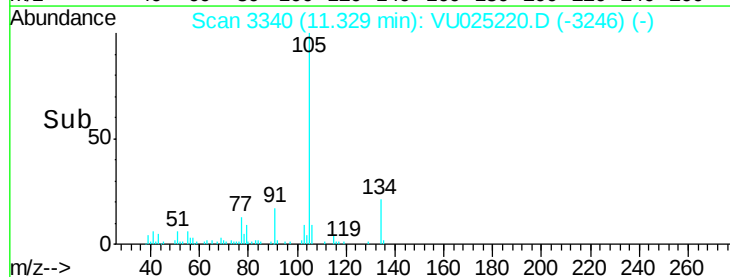
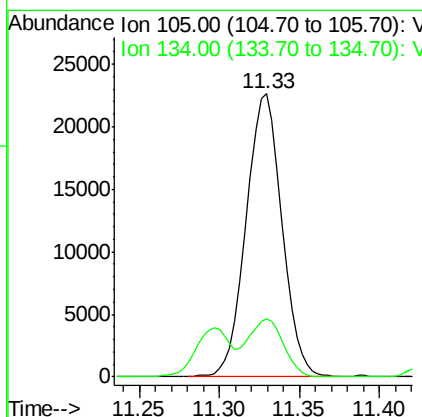
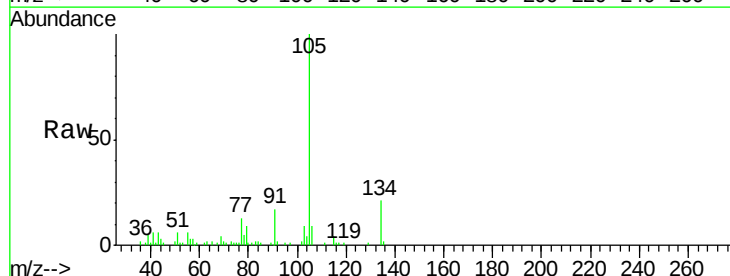
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628

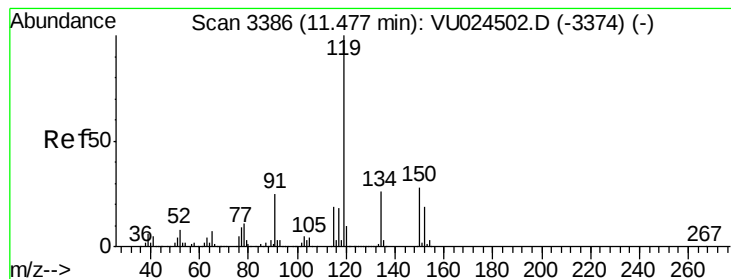
Tot Ion:105 Resp: 46634
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 2.23 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion:105 Resp: 34561
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.34 ug/l

RT: 11.43 min Scan# 3372

Delta R.T. -0.05 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

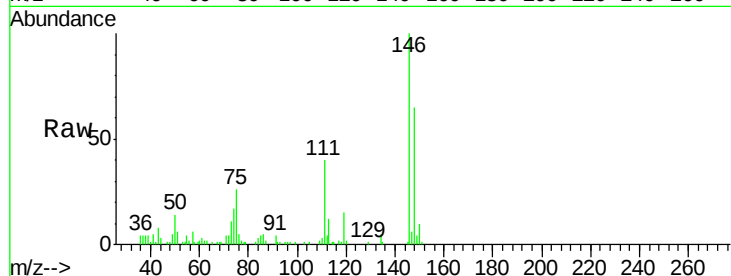
Tot Ion:119 Resp: 4690

Ion Ratio Lower Upper

119 100

134 31.4 12.9 38.6

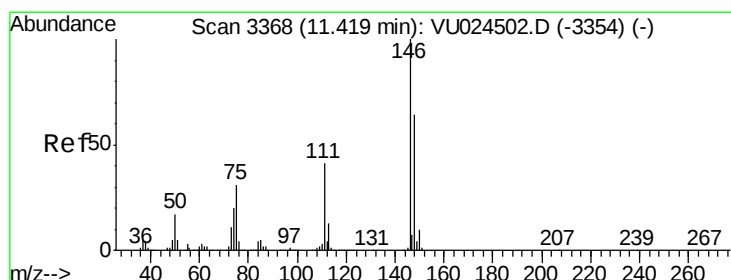
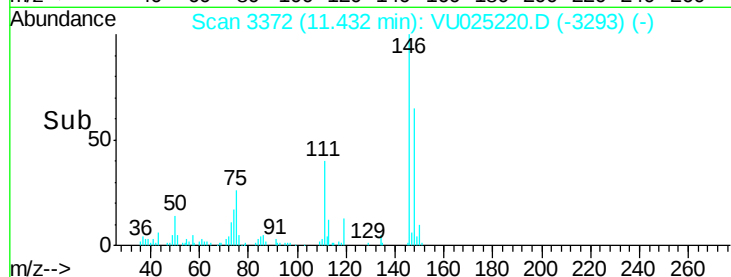
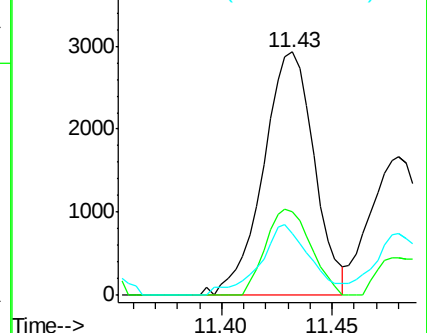
91 28.6 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU



#87

1,3-Dichlorobenzene

Concen: 7.58 ug/l

RT: 11.42 min Scan# 3369

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

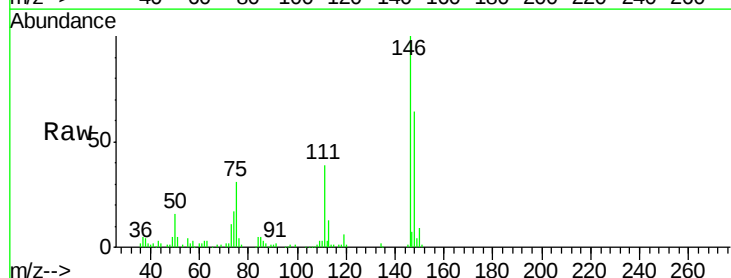
Tgt Ion:146 Resp: 52747

Ion Ratio Lower Upper

146 100

111 39.5 20.0 60.0

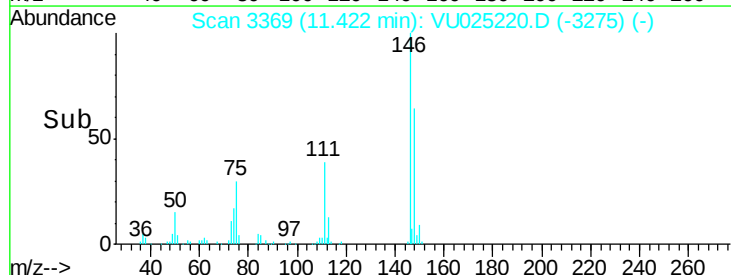
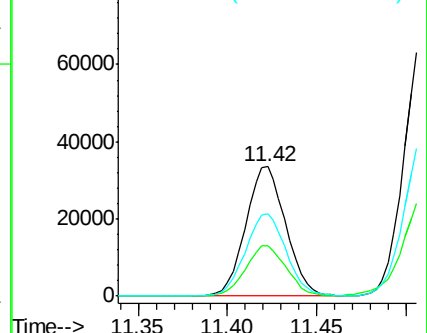
148 64.6 32.1 96.5

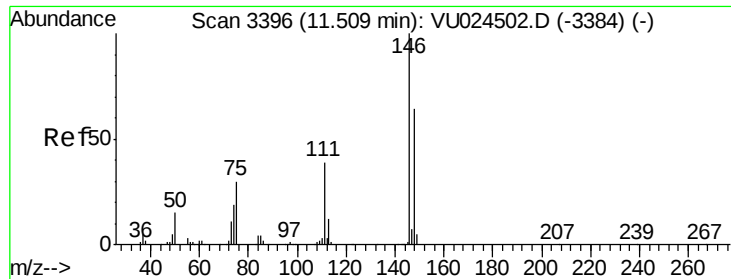


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

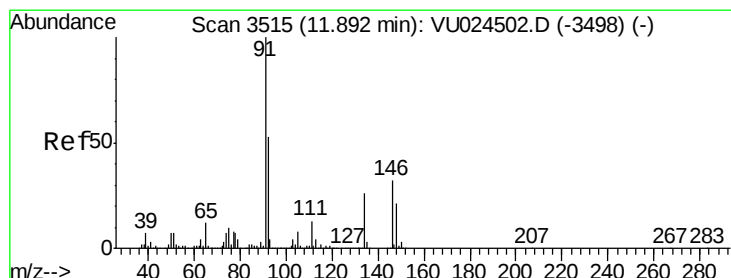
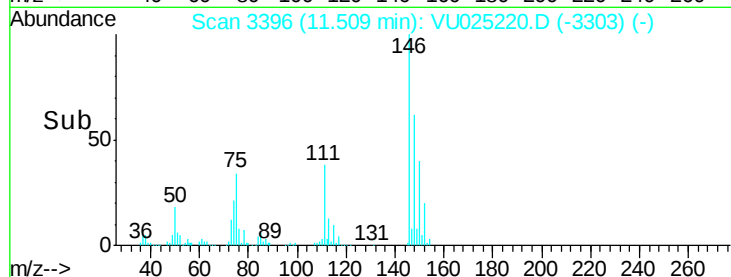
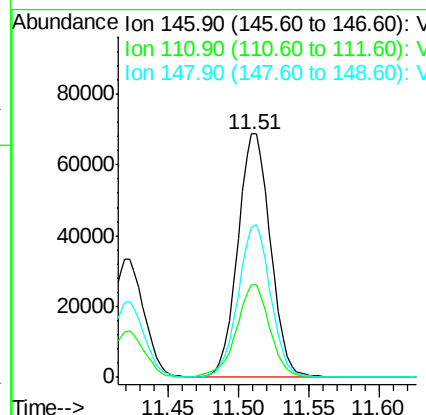
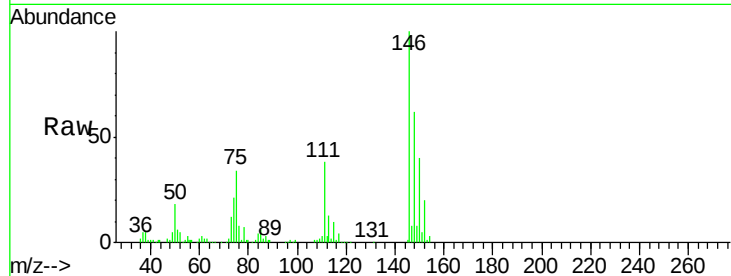




#88
 1,4-Dichlorobenzene
 Concen: 15.95 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

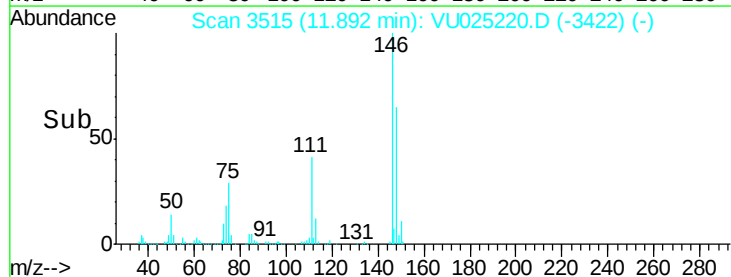
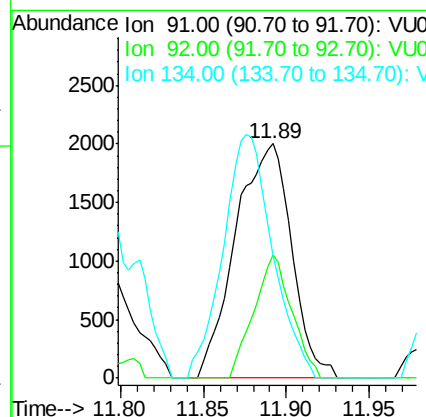
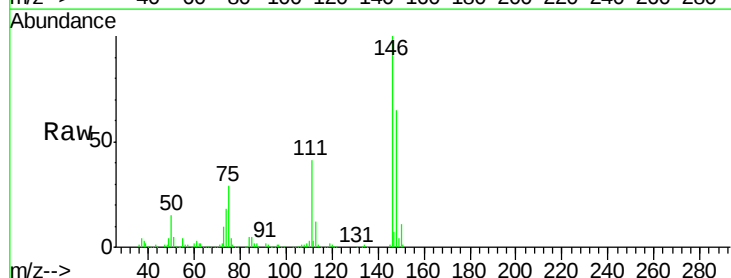
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW465-180628

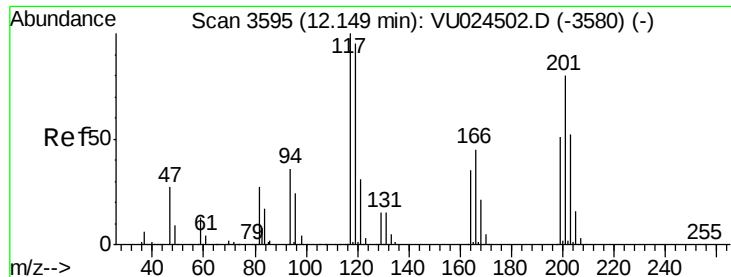
Tot Ion:146 Resp: 111711
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.5 58.5
 148 62.4 32.4 97.0



#89
 n-Butylbenzene
 Concen: 0.38 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU025220.D
 Acq: 05 Jul 2018 17:03

Tgt Ion: 91 Resp: 4706
 Ion Ratio Lower Upper
 91 100
 92 35.4 25.6 76.8
 134 91.5 12.3 36.8#





#90

Hexachloroethane

Concen: 1.07 ug/l

RT: 12.29 min Scan# 3639

Delta R.T. 0.14 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

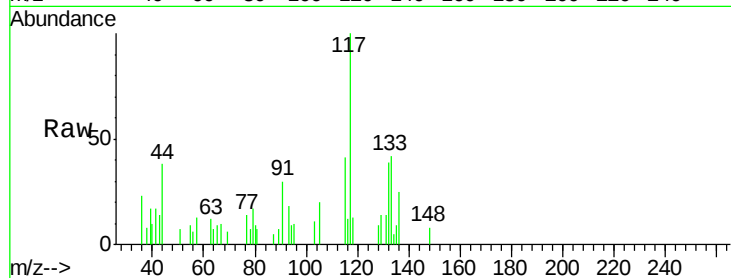
WP021IW465-180628

Tot Ion:117 Resp: 2910

Ion Ratio Lower Upper

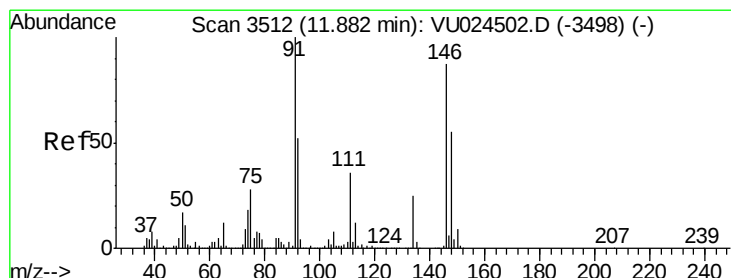
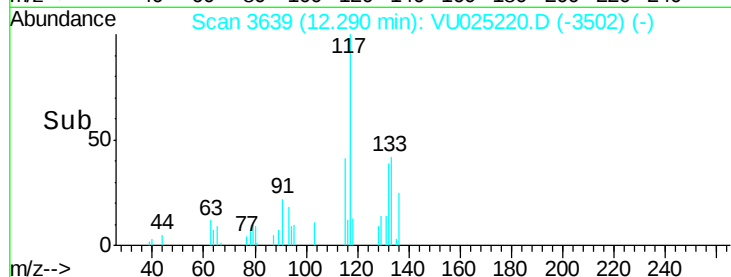
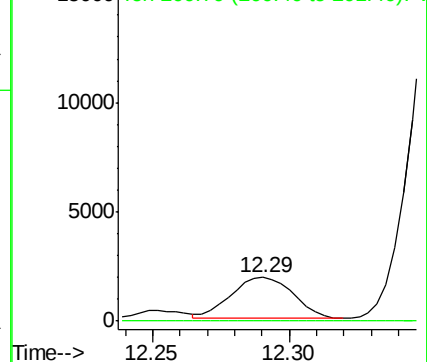
117 100

201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 43.95 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

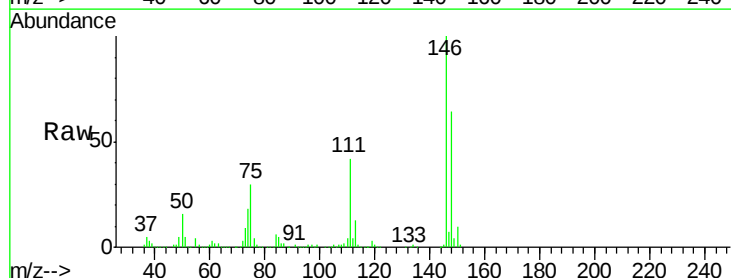
Tgt Ion:146 Resp: 306279

Ion Ratio Lower Upper

146 100

111 42.3 20.5 61.6

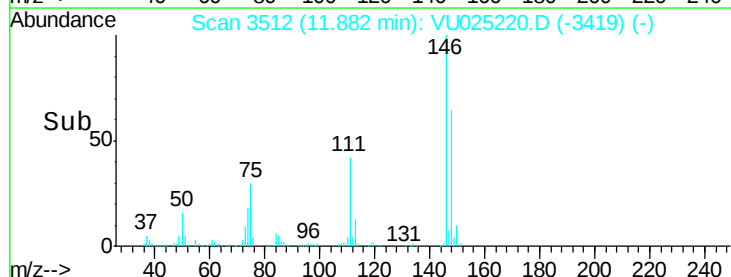
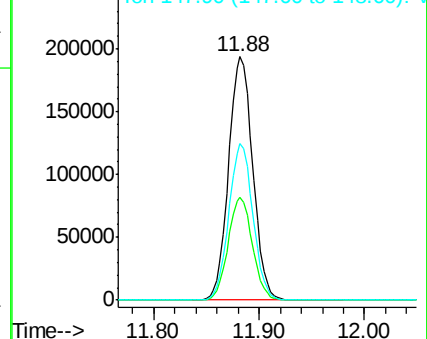
148 64.1 31.9 95.7

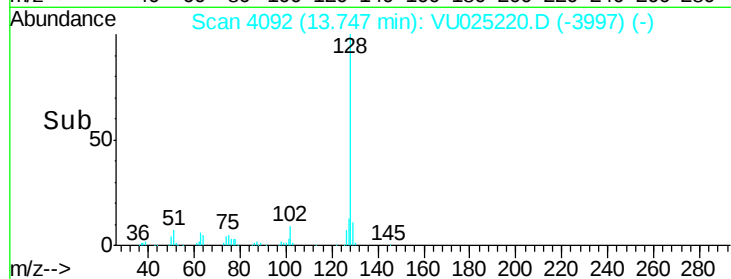
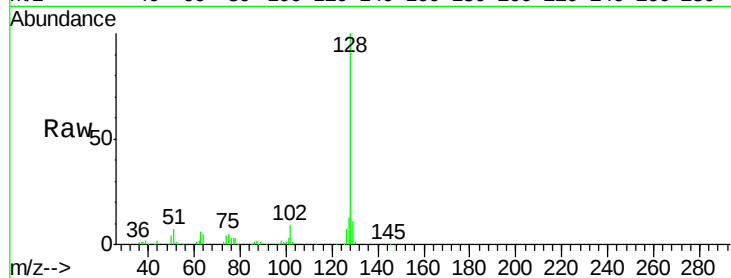
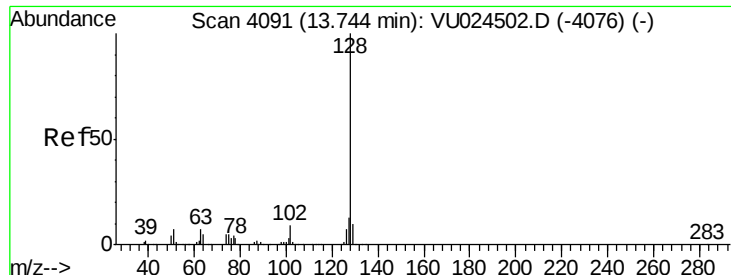


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 6.88 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025220.D

Acq: 05 Jul 2018 17:03

Instrument :

MSVOA_U

ClientSampleId :

WP021IW465-180628

Tot Ion:128 Resp: 89552

Ion Ratio Lower Upper

128 100

127 12.4 10.6 16.0

129 10.7 8.6 12.8

