

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025052.D
 Acq On : 29 Jun 2018 04:48
 Operator : MD/SY
 Sample : J3671-15ME
 Misc : 5.52g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB481-11-13-180621ME

Quant Time: Jun 29 08:48:29 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	4.98	168	234296	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	350418	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	349864	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	216833	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	176546	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
35) Dibromofluoromethane	4.89	113	135262	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
50) Toluene-d8	7.57	98	516205	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.32	95	222730	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	

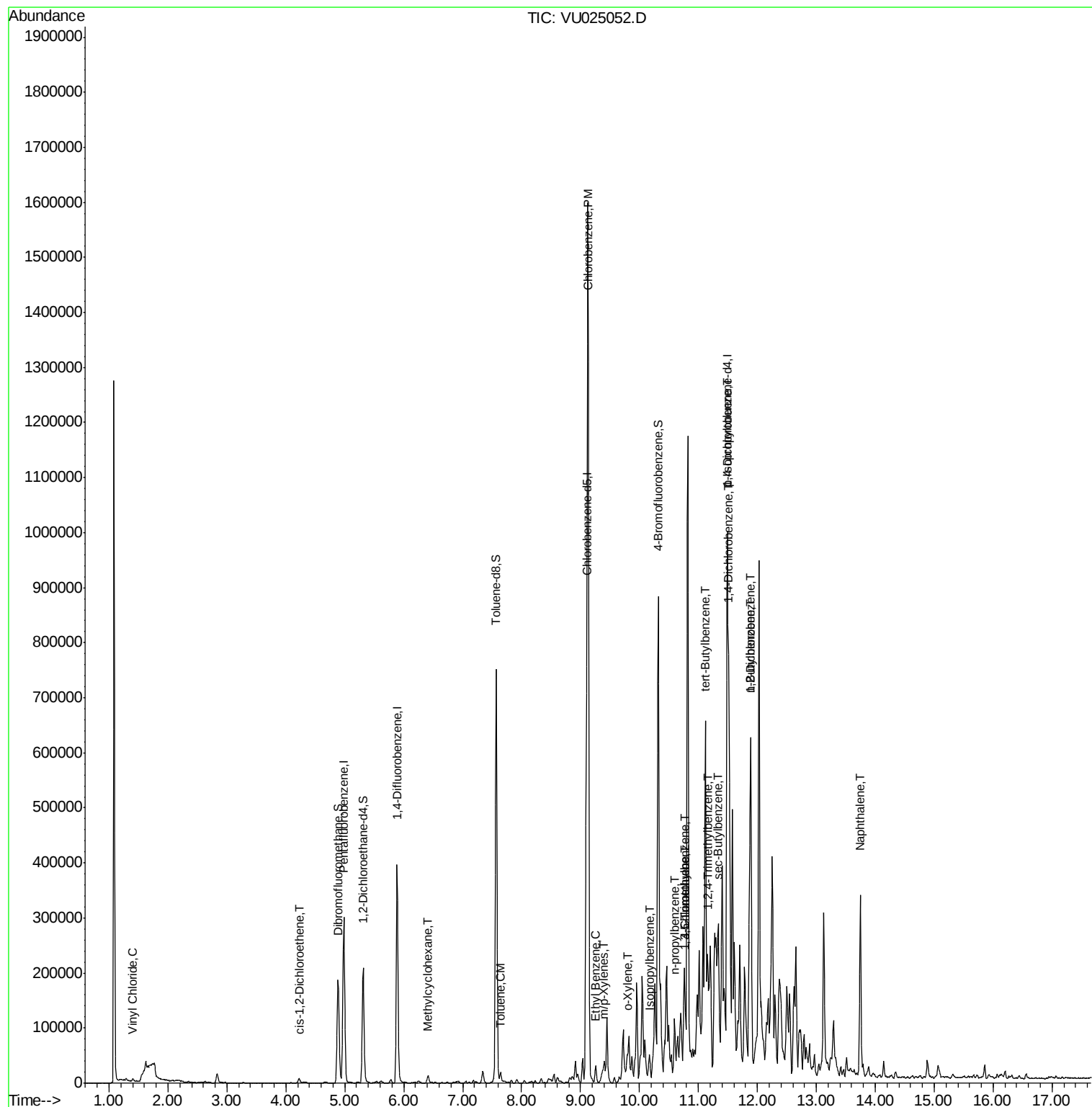
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2676	0.87	ug/l	91
27) cis-1,2-Dichloroethene	4.22	96	4269	1.26	ug/l	95
39) Methylcyclohexane	6.41	83	5604	1.09	ug/l	93
52) Toluene	7.64	92	8243	1.09	ug/l	99
65) Chlorobenzene	9.13	112	905481	101.31	ug/l	99
67) Ethyl Benzene	9.26	91	17552	1.12	ug/l	99
68) m/p-Xylenes	9.39	106	4423	0.74	ug/l	97
69) o-Xylene	9.79	106	7293	1.22	ug/l	97
73) Isopropylbenzene	10.17	105	21534	1.29	ug/l	97
78) n-propylbenzene	10.59	91	65319	3.33	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	29393	2.04	ug/l	98
82) 4-Chlorotoluene	10.78	91	3599	0.27	ug/l #	50
83) tert-Butylbenzene	11.10	119	27290	1.97	ug/l	94
84) 1,2,4-Trimethylbenzene	11.16	105	72008	4.90	ug/l	100
85) sec-Butylbenzene	11.33	105	74268	4.27	ug/l	100
86) p-Isopropyltoluene	11.48	119	11389	0.73	ug/l	94
88) 1,4-Dichlorobenzene	11.51	146	239588	30.57	ug/l	99
89) n-Butylbenzene	11.89	91	79670	5.77	ug/l #	77
91) 1,2-Dichlorobenzene	11.89	146	153687	19.71	ug/l	99
95) Naphthalene	13.75	128	253843	16.38	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

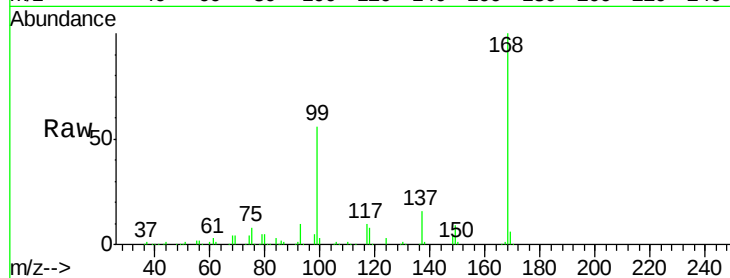
WP021SB481-11-13-180621ME

Tot Ion:168 Resp: 234296

Ion Ratio Lower Upper

168 100

99 55.9 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) (-)

4.98

120000

100000

80000

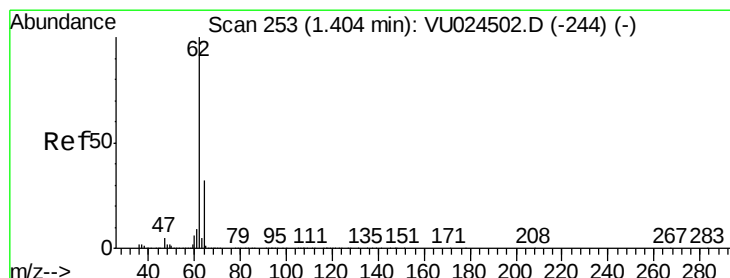
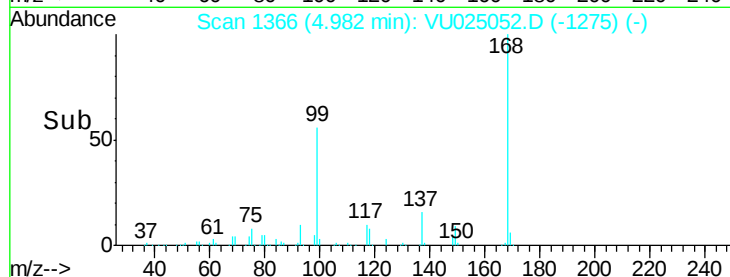
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.87 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025052.D

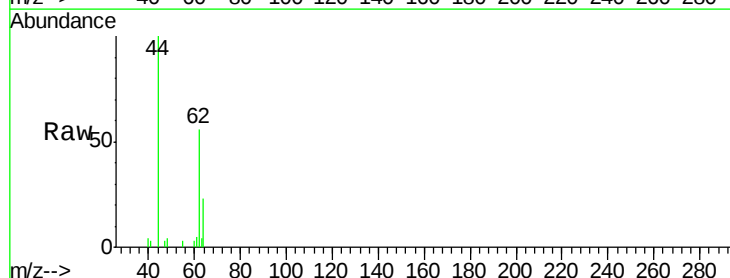
Acq: 29 Jun 2018 04:48

Tgt Ion: 62 Resp: 2676

Ion Ratio Lower Upper

62 100

64 35.8 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024502.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU024502.D (-244) (-)

1.40

2500

2000

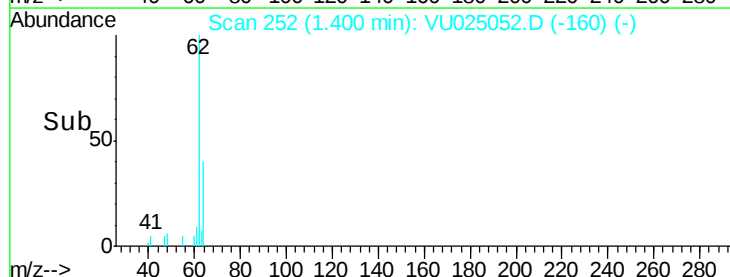
1500

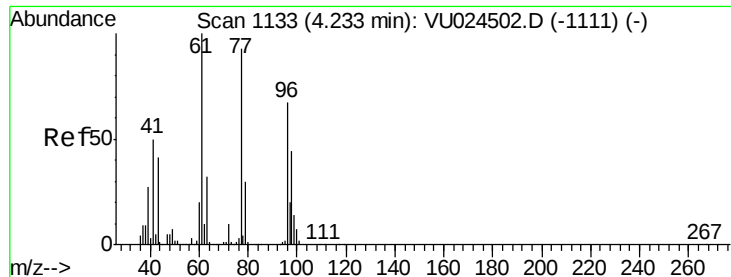
1000

500

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 1.26 ug/l

RT: 4.22 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

WP021SB481-11-13-180621ME

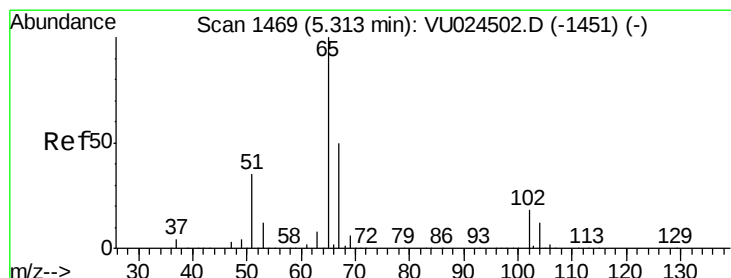
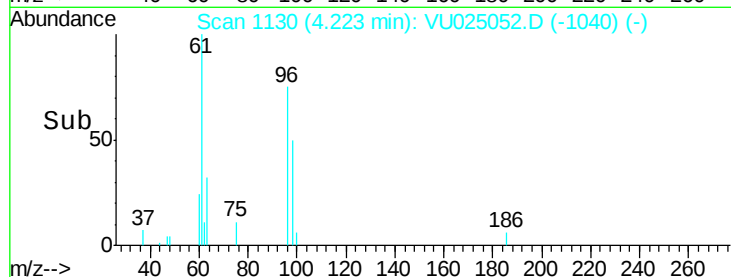
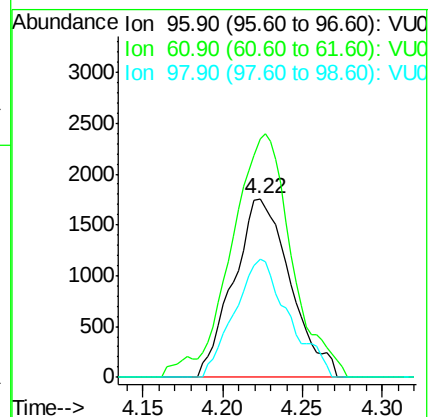
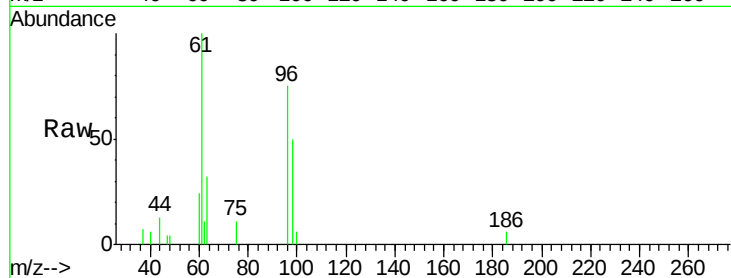
Tot Ion: 96 Resp: 4269

Ion Ratio Lower Upper

96 100

61 145.1 0.0 306.6

98 63.4 0.0 128.8



#33

1,2-Dichloroethane-d4

Concen: 46.16 ug/l

RT: 5.31 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VU025052.D

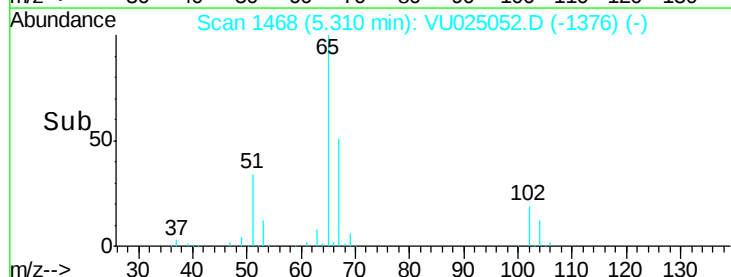
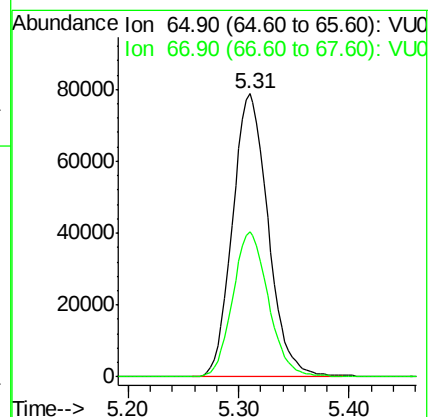
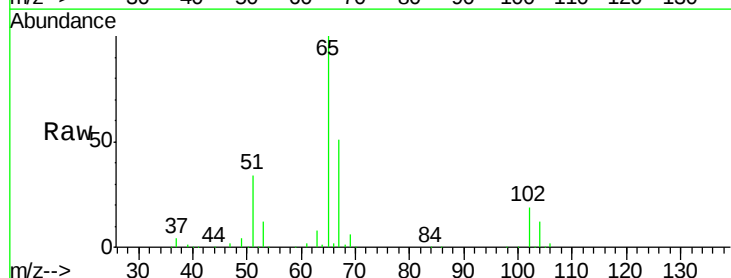
Acq: 29 Jun 2018 04:48

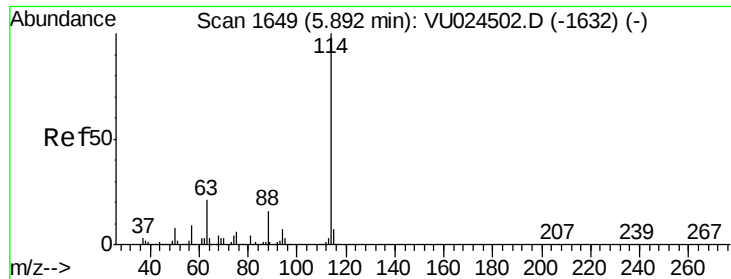
Tgt Ion: 65 Resp: 176546

Ion Ratio Lower Upper

65 100

67 51.4 0.0 107.0

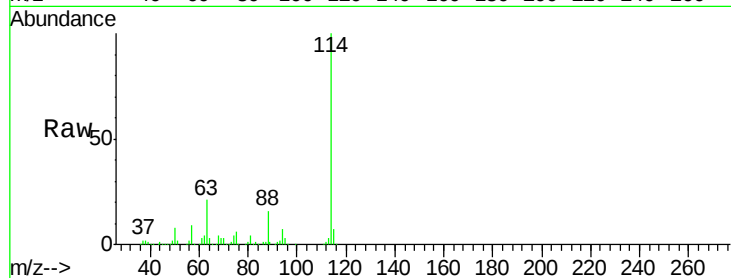




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 5.89 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

Instrument :
MSVOA_U
ClientSampleId :
WP021SB481-11-13-180621ME

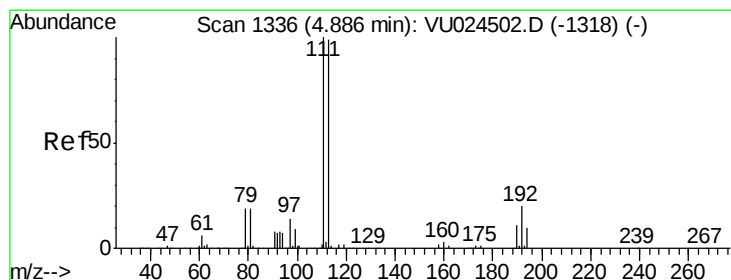
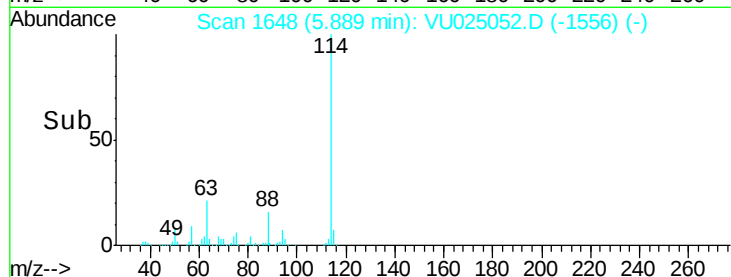
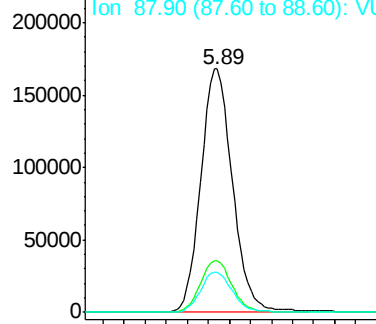
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	45.4
88	16.4	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V

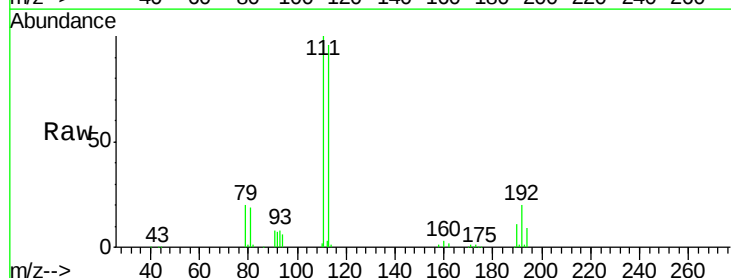
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35
Dibromofluoromethane
Concen: 46.51 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

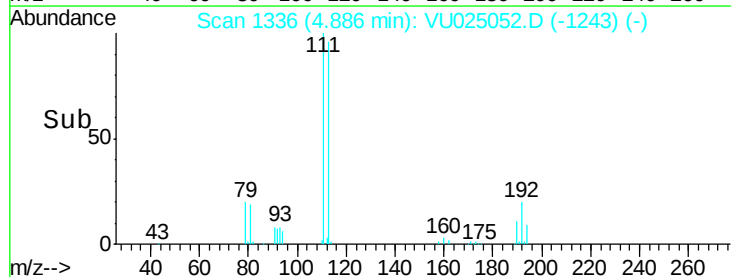
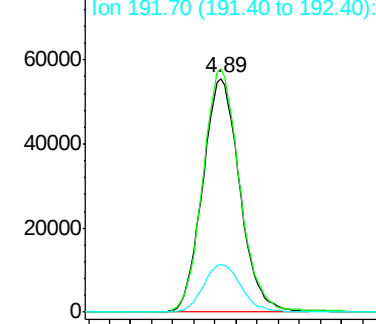
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	20.7	16.2	24.4

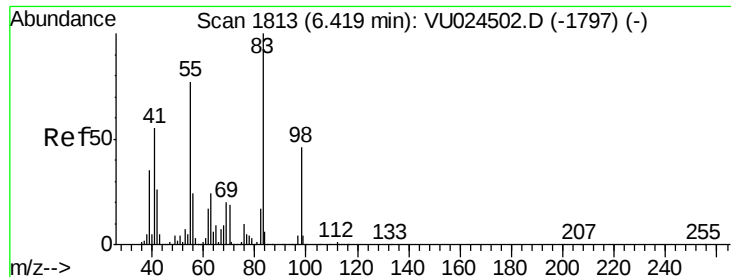


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

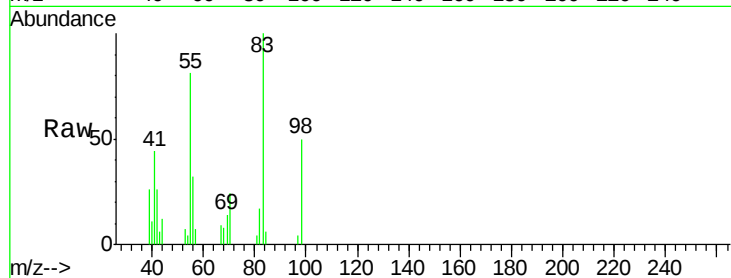




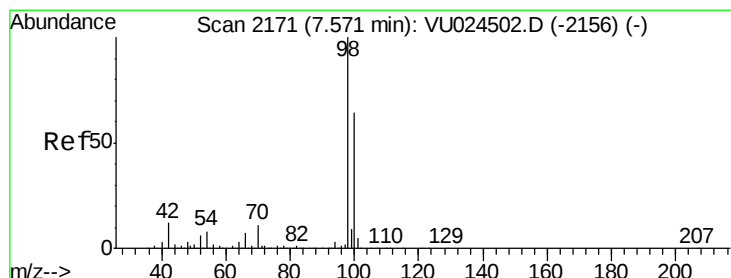
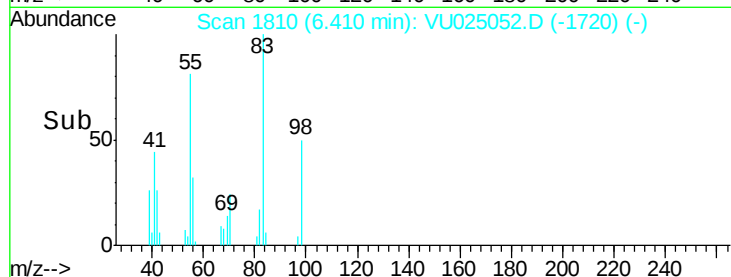
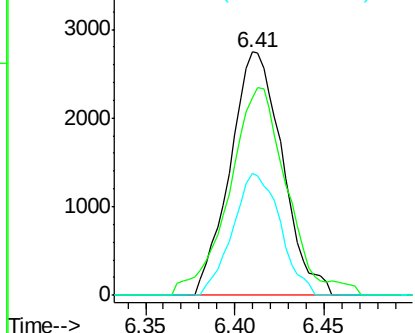
#39
Methvlcvclohexane
Concen: 1.09 ug/l
RT: 6.41 min Scan# 1810
Delta R.T. -0.01 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

Instrument :
MSVOA_U
ClientSampleId :
WP021SB481-11-13-180621ME

Tot Ion: 83 Resp: 5604
Ion Ratio Lower Upper
83 100
55 75.7 65.8 98.6
98 50.3 36.7 55.1

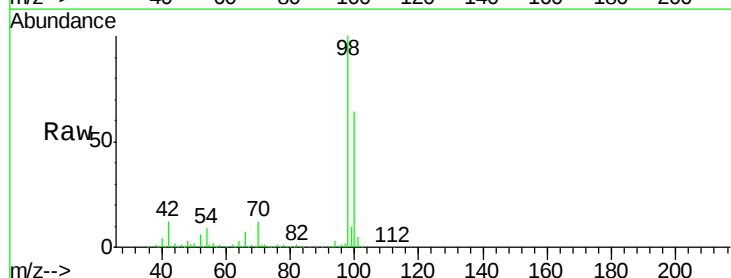


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

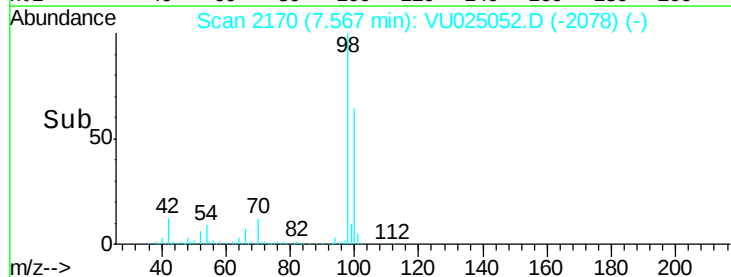
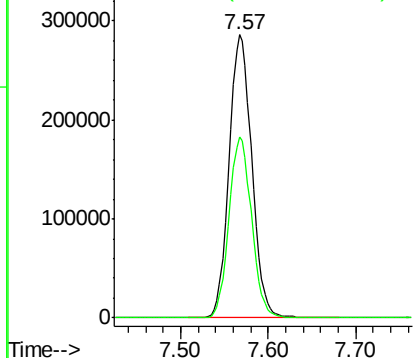


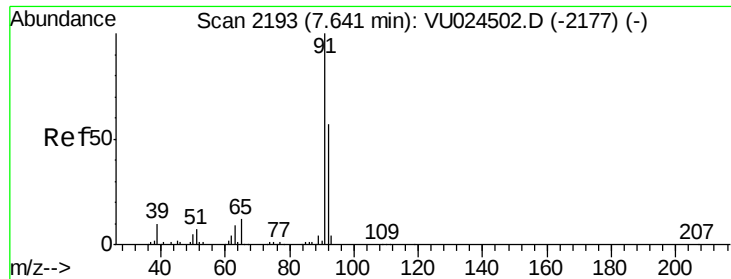
#50
Toluene-d8
Concen: 48.66 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

Tgt Ion: 98 Resp: 516205
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#52

Toluene

Concen: 1.09 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

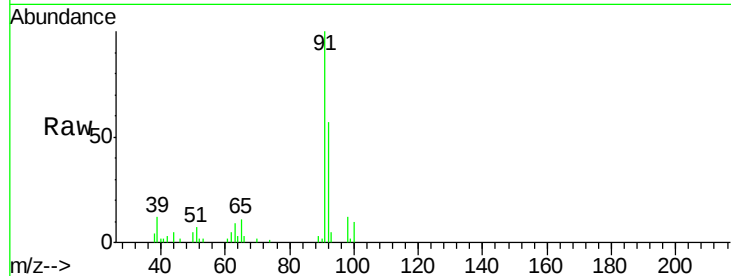
WP021SB481-11-13-180621ME

Tot Ion: 92 Resp: 8243

Ion Ratio Lower Upper

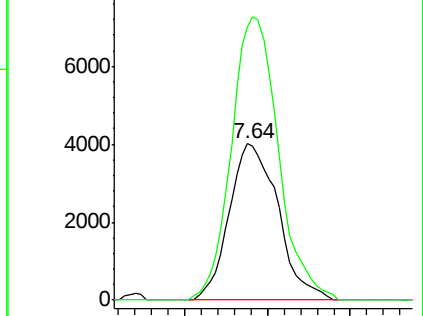
92 100

91 174.0 140.5 210.7

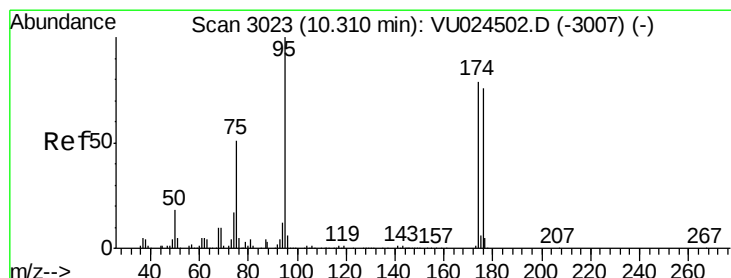
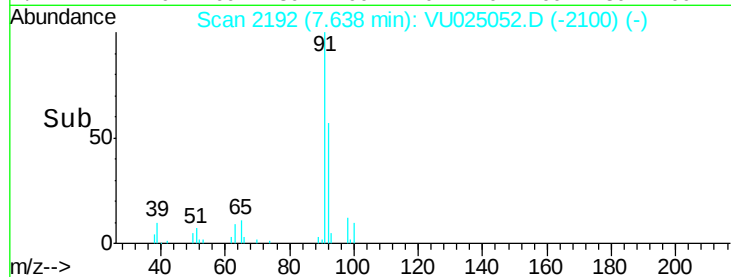


Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#62

4-Bromofluorobenzene

Concen: 52.88 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

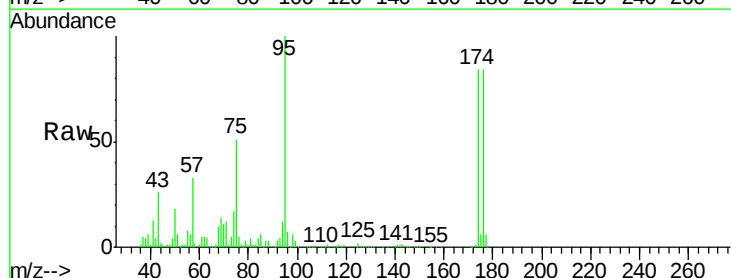
Tgt Ion: 95 Resp: 222730

Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

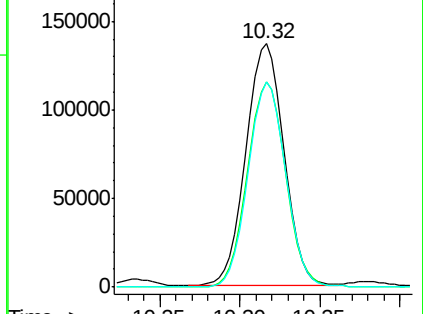
176 83.3 0.0 159.4



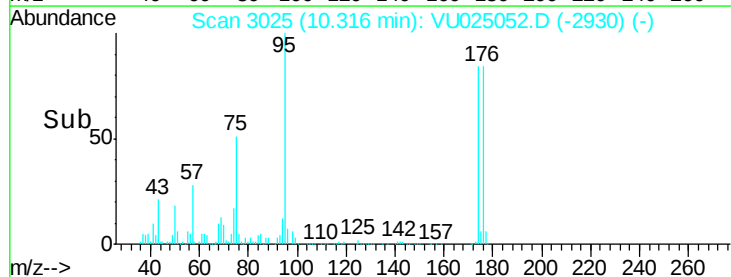
Abundance Ion 94.90 (94.60 to 95.60): VU0

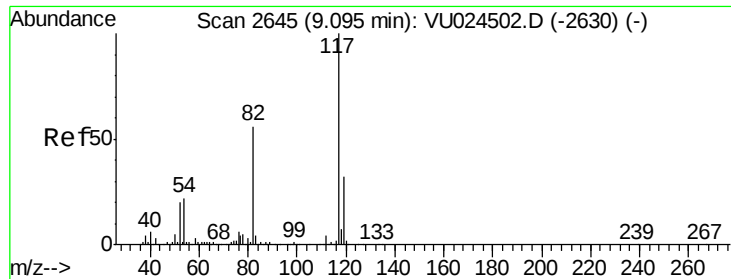
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

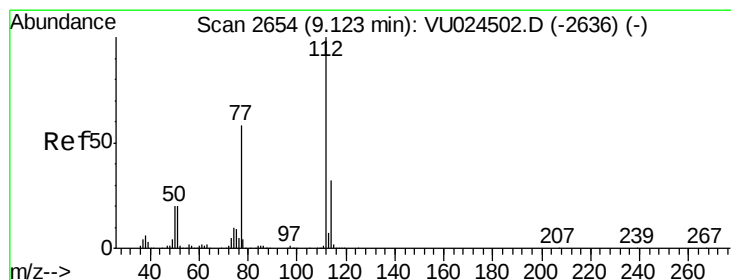
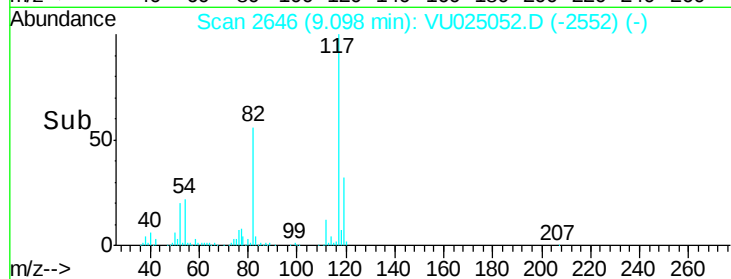
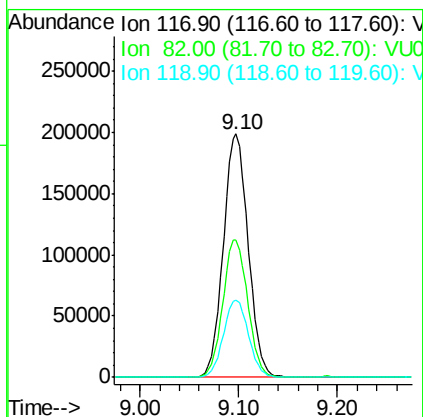
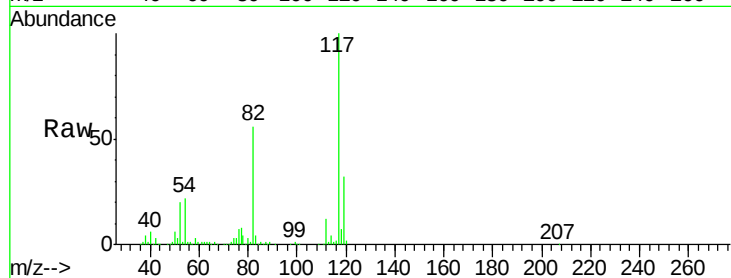




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

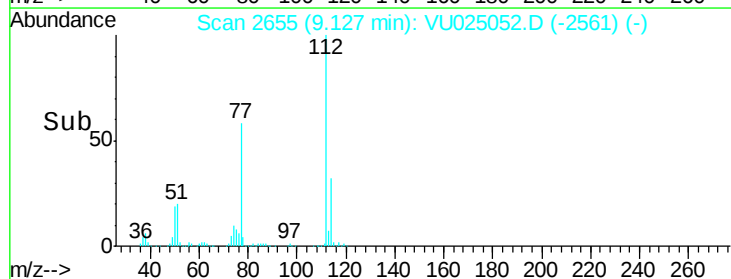
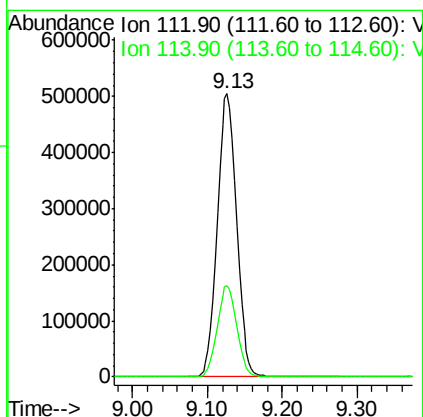
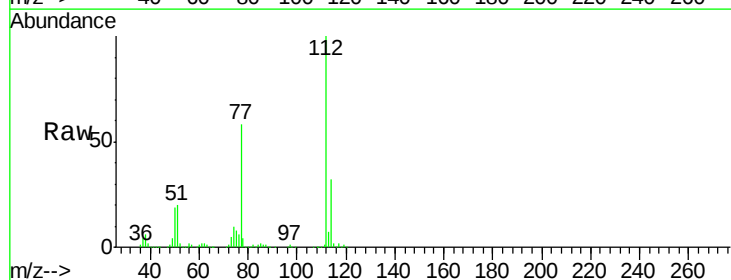
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WP021SB481-11-13-180621ME

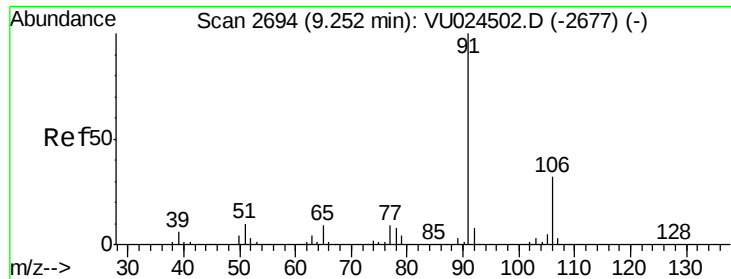
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	31.9	25.4	38.2



#65
Chlorobenzene
Concen: 101.31 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

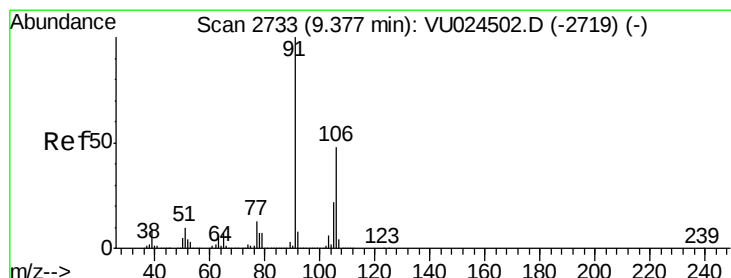
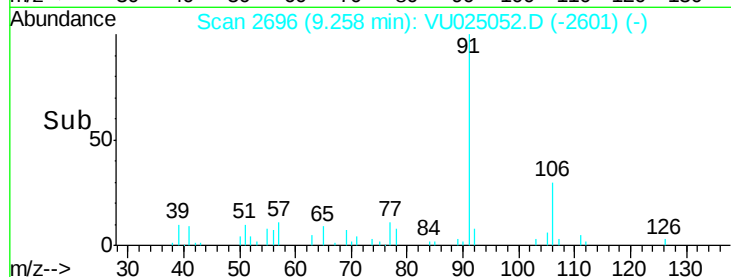
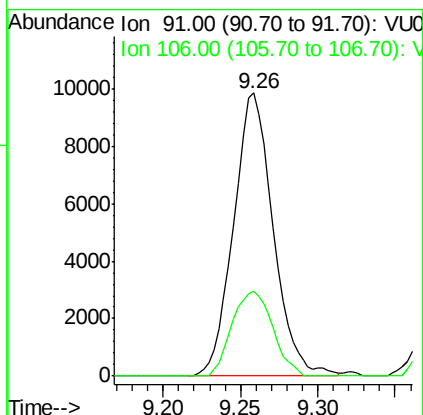
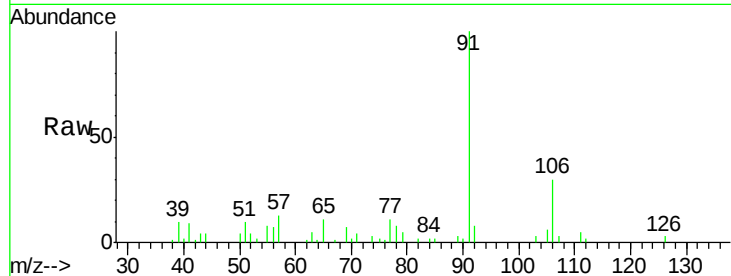




#67
Ethyl Benzene
Concen: 1.12 ug/l
RT: 9.26 min Scan# 2696
Delta R.T. 0.01 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

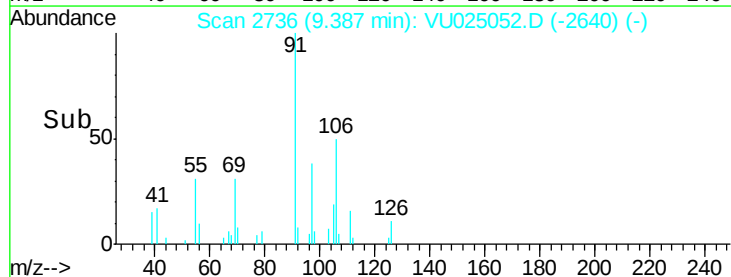
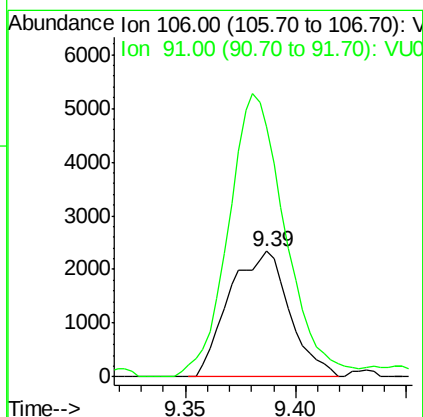
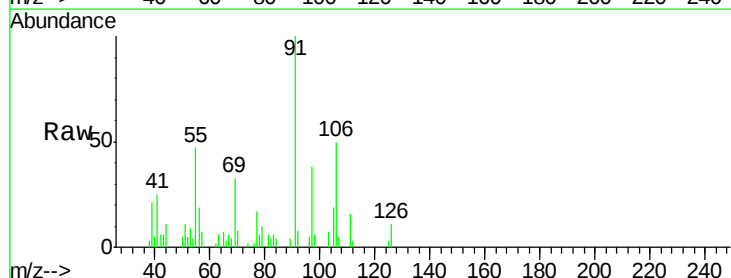
Instrument :
MSVOA_U
ClientSampleId :
WP021SB481-11-13-180621ME

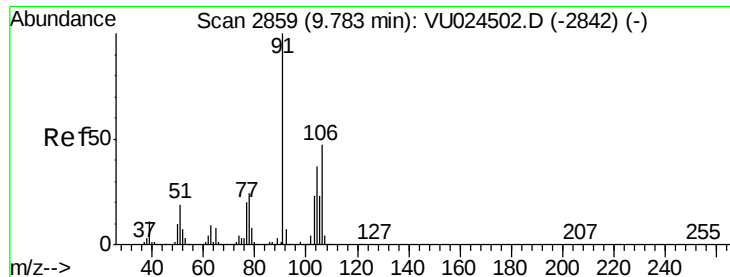
Tot Ion: 91 Resp: 17552
Ion Ratio Lower Upper
91 100
106 29.9 24.2 36.4



#68
m/p-Xylenes
Concen: 0.74 ug/l
RT: 9.39 min Scan# 2736
Delta R.T. 0.01 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

Tgt Ion: 106 Resp: 4423
Ion Ratio Lower Upper
106 100
91 212.6 166.5 249.7

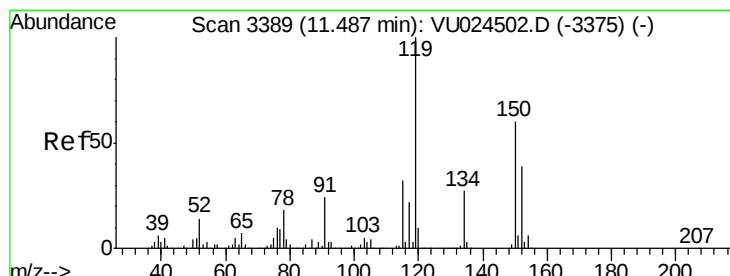
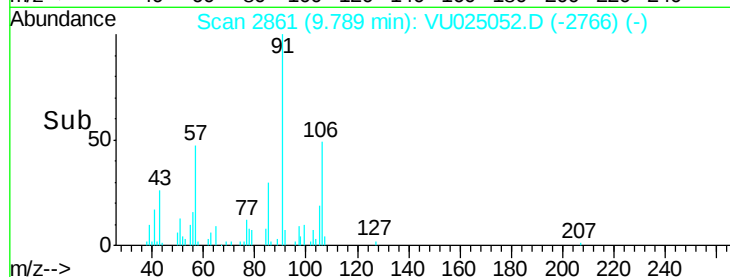
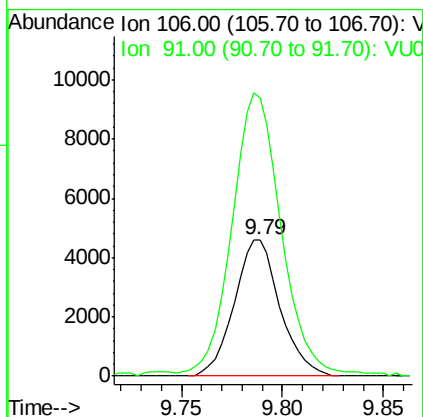
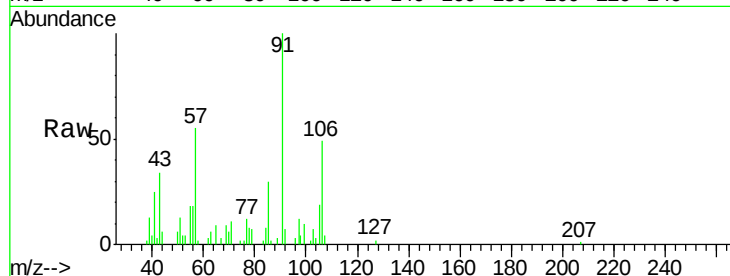




#69
o-Xylene
Concen: 1.22 ug/l
RT: 9.79 min Scan# 2861
Delta R.T. 0.01 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

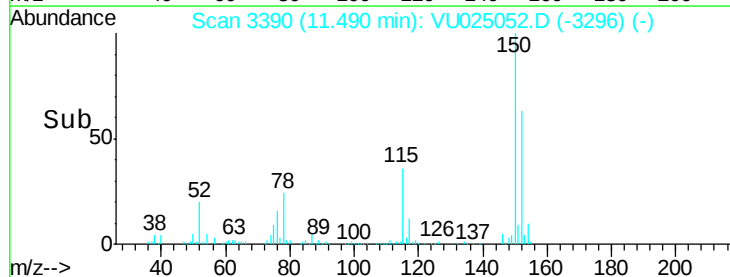
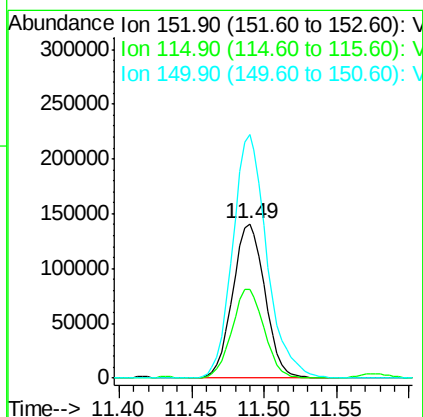
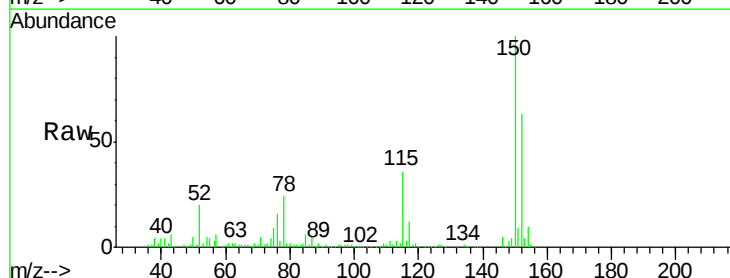
Instrument :
MSVOA_U
ClientSampleId :
WP021SB481-11-13-180621ME

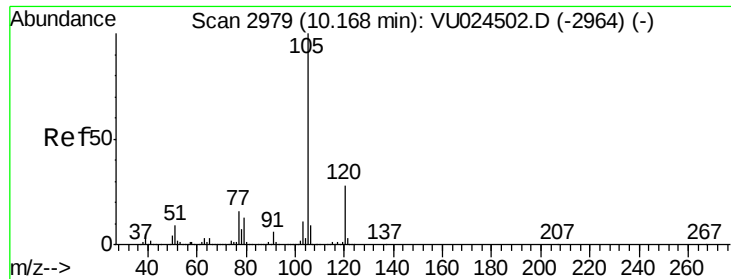
Tot Ion:106 Resp: 7293
Ion Ratio Lower Upper
106 100
91 225.4 110.7 331.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU025052.D
Acq: 29 Jun 2018 04:48

Tgt Ion:152 Resp: 216833
Ion Ratio Lower Upper
152 100
115 57.4 43.0 129.0
150 168.1 0.0 354.0





#73

Isopropylbenzene

Concen: 1.29 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

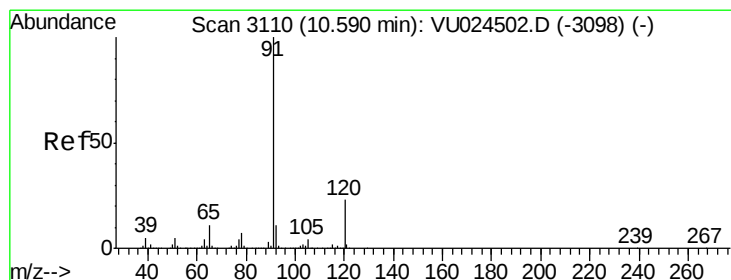
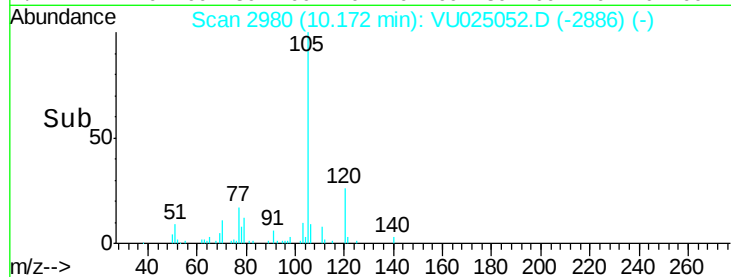
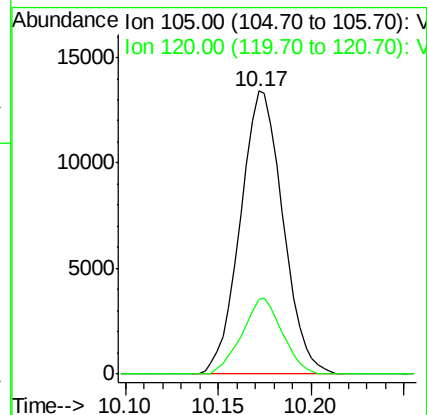
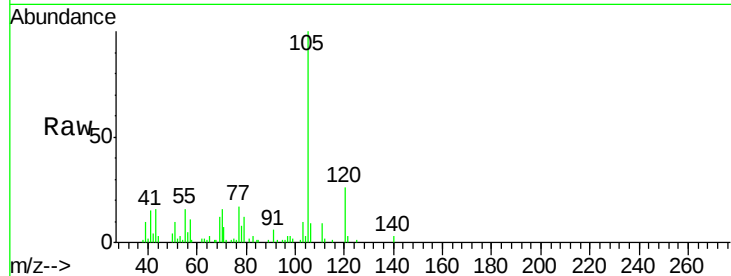
WP021SB481-11-13-180621ME

Tot Ion:105 Resp: 21534

Ion Ratio Lower Upper

105 100

120 25.1 13.2 39.6



#78

n-propylbenzene

Concen: 3.33 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025052.D

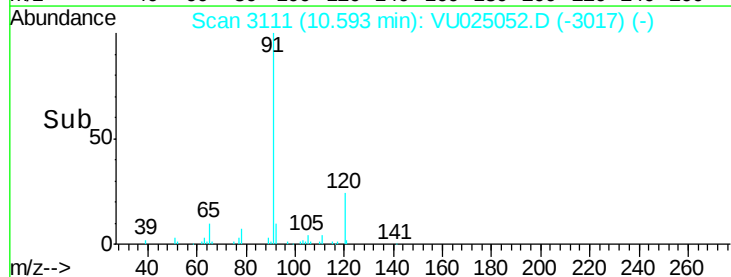
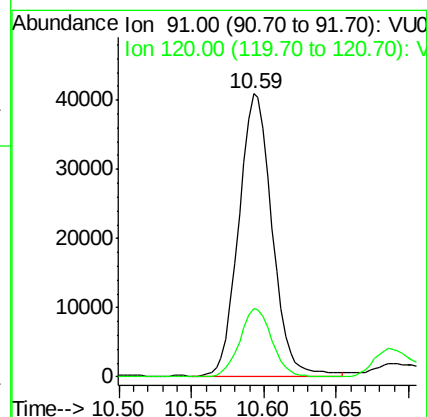
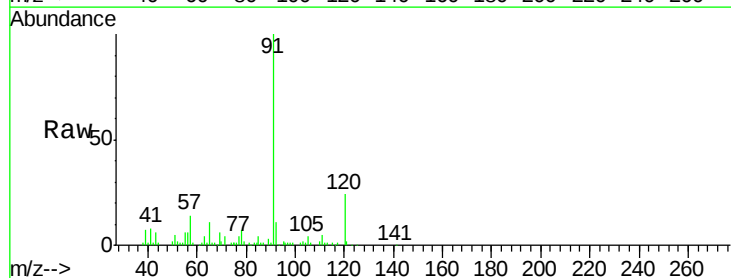
Acq: 29 Jun 2018 04:48

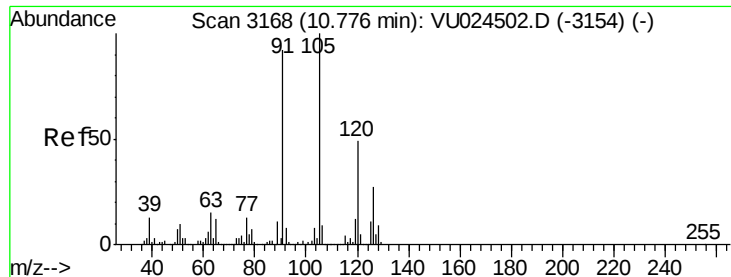
Tgt Ion: 91 Resp: 65319

Ion Ratio Lower Upper

91 100

120 23.4 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 2.04 ug/l

RT: 10.78 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

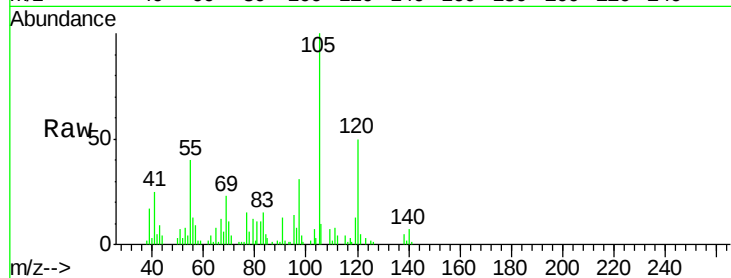
WP021SB481-11-13-180621ME

Tot Ion:105 Resp: 29393

Ion Ratio Lower Upper

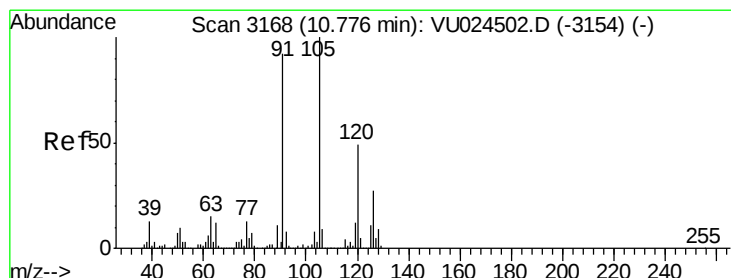
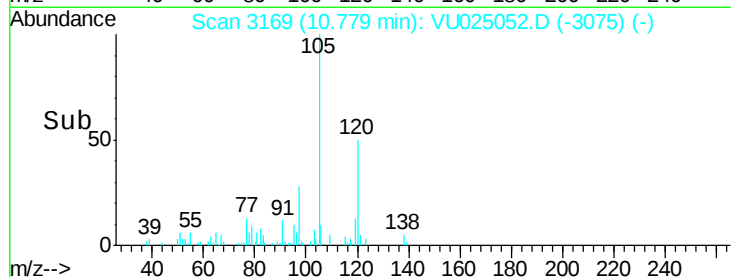
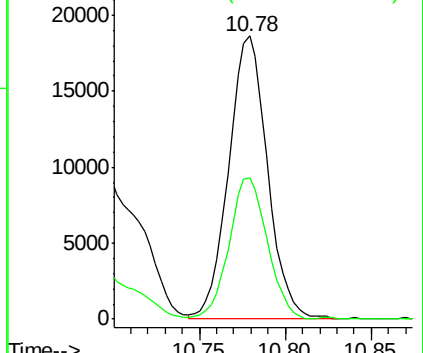
105 100

120 49.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 0.27 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU025052.D

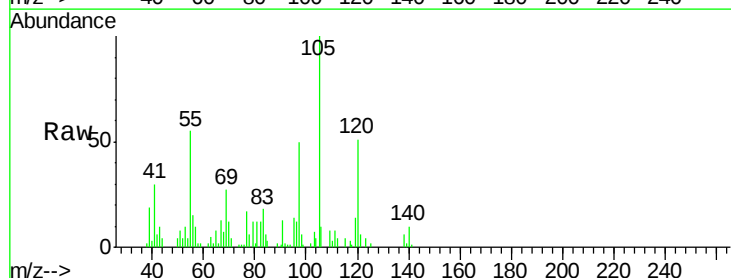
Acq: 29 Jun 2018 04:48

Tgt Ion: 91 Resp: 3599

Ion Ratio Lower Upper

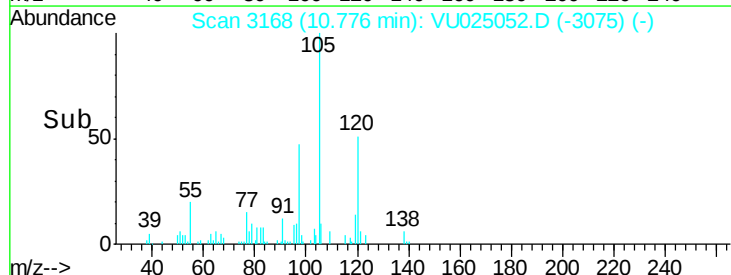
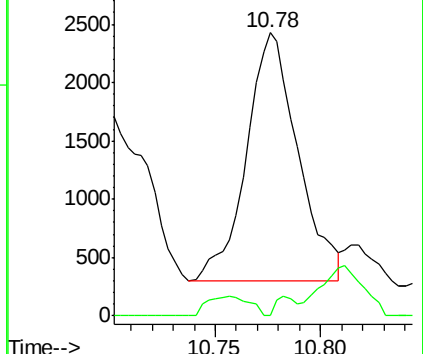
91 100

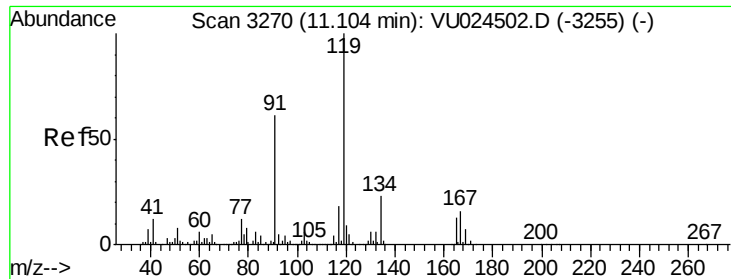
126 3.0 14.9 44.9#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.97 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

WP021SB481-11-13-180621ME

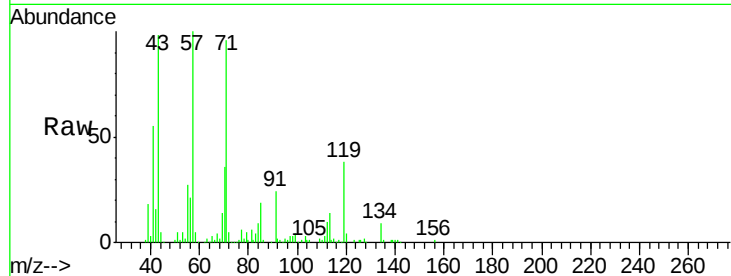
Tot Ion:119 Resp: 27290

Ion Ratio Lower Upper

119 100

91 65.6 29.7 89.1

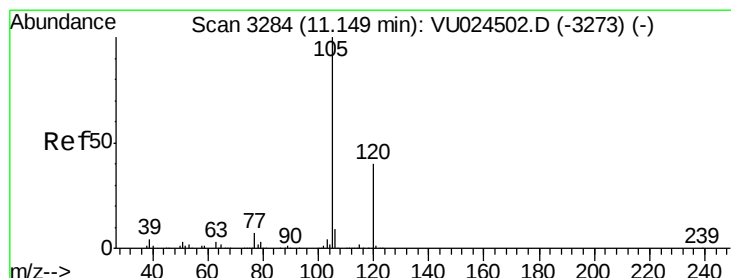
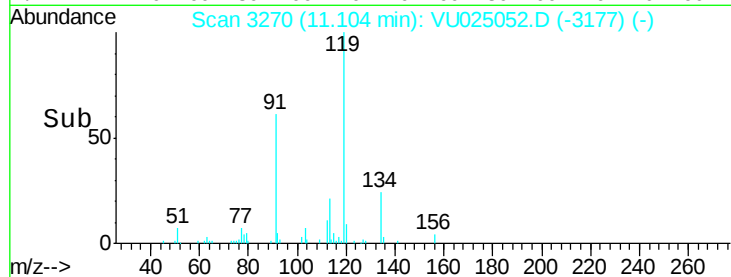
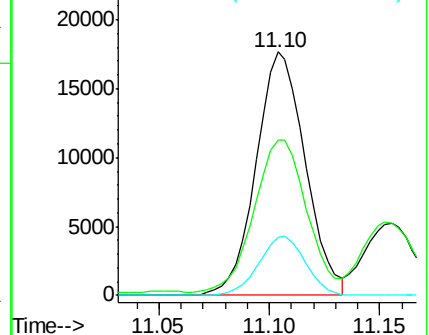
134 22.7 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.90 ug/l

RT: 11.16 min Scan# 3286

Delta R.T. 0.01 min

Lab File: VU025052.D

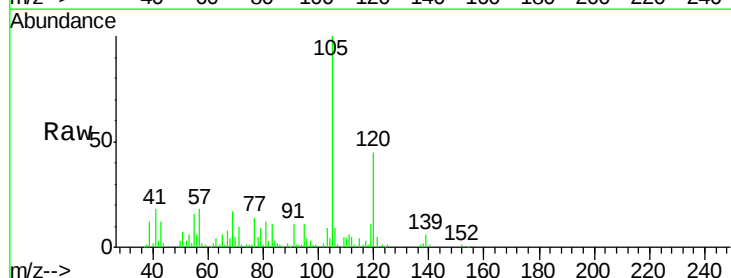
Acq: 29 Jun 2018 04:48

Tgt Ion:105 Resp: 72008

Ion Ratio Lower Upper

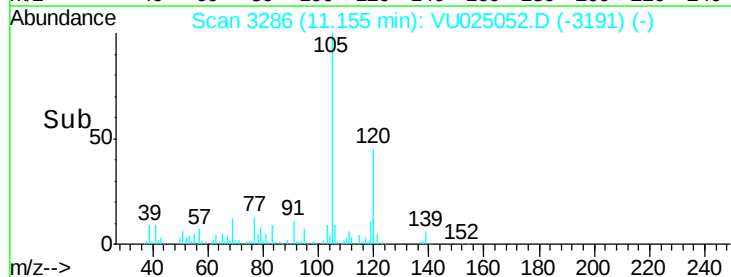
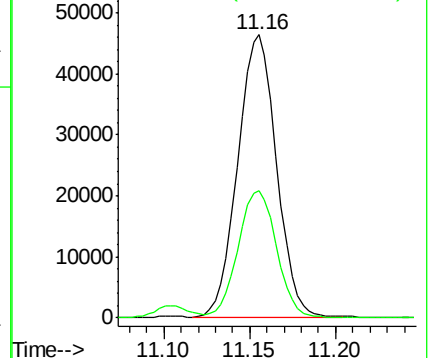
105 100

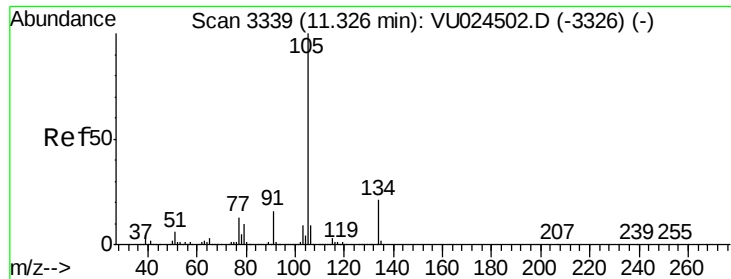
120 44.9 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.27 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

Instrument :

MSVOA_U

ClientSampleId :

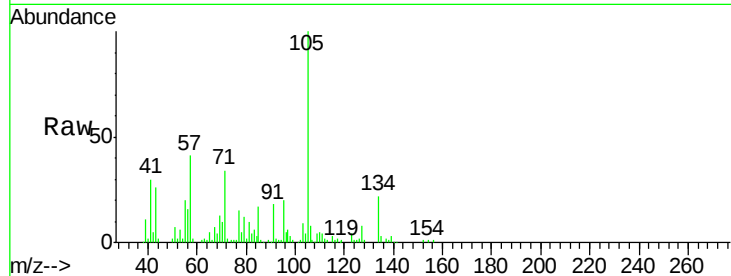
WP021SB481-11-13-180621ME

Tot Ion:105 Resp: 74268

Ion Ratio Lower Upper

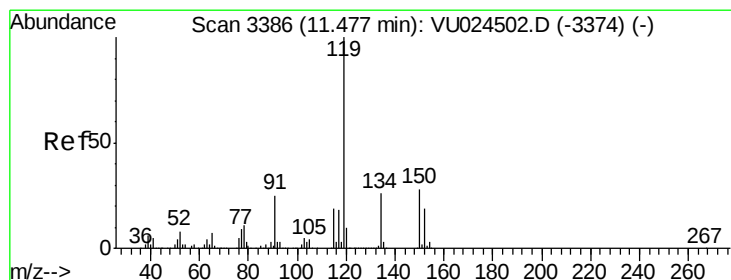
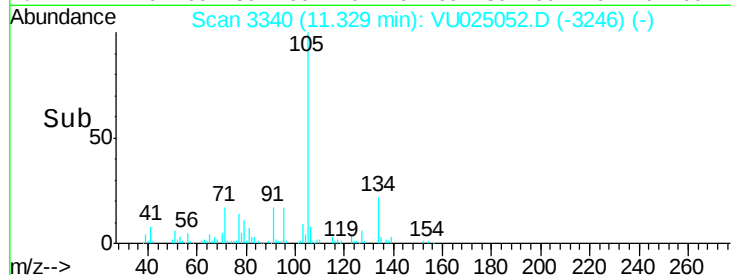
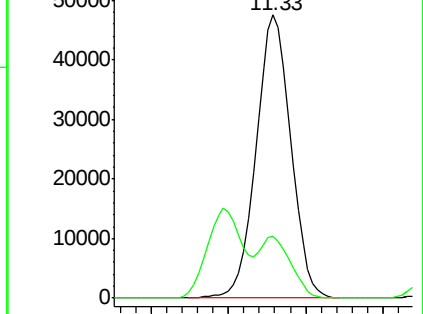
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.73 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025052.D

Acq: 29 Jun 2018 04:48

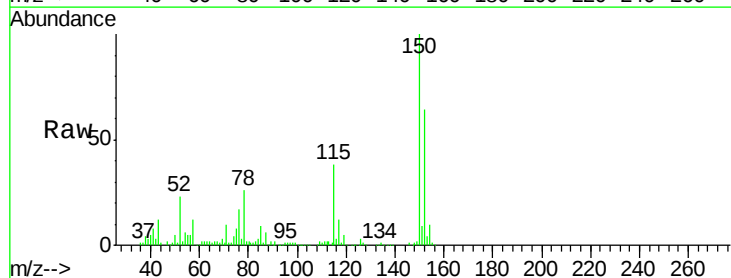
Tgt Ion:119 Resp: 11389

Ion Ratio Lower Upper

119 100

134 28.2 12.9 38.6

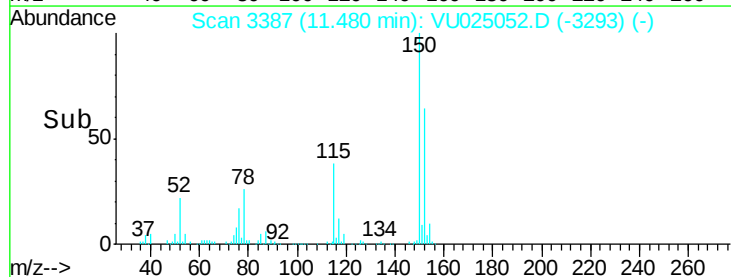
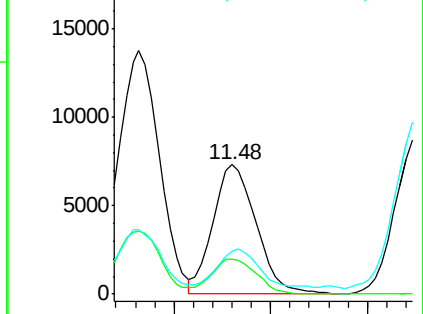
91 27.8 12.0 36.1

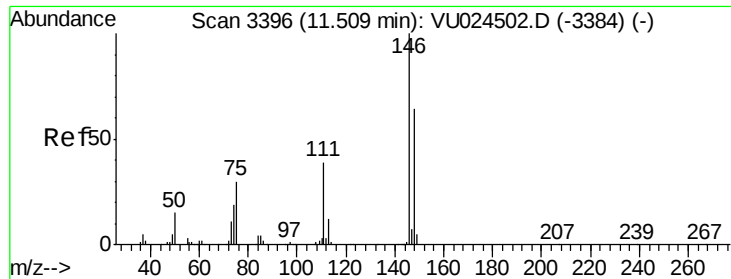


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

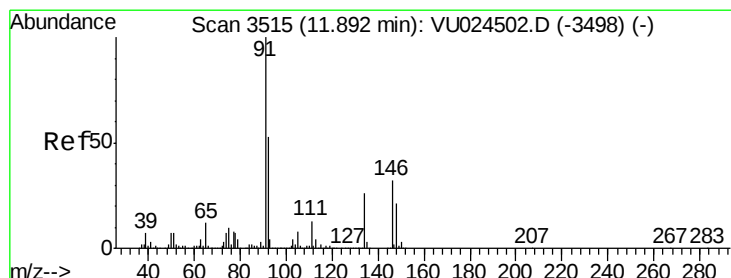
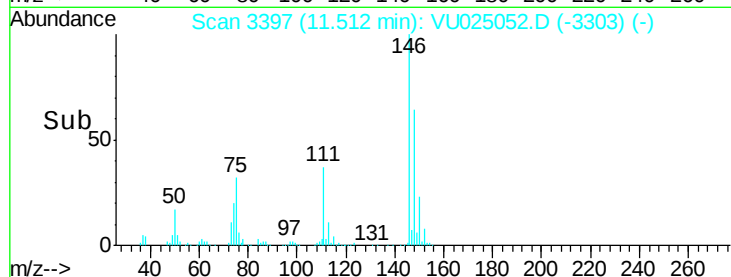
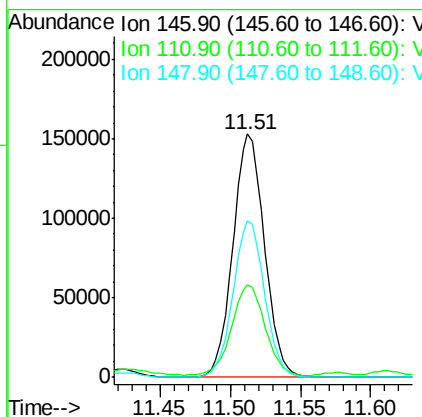
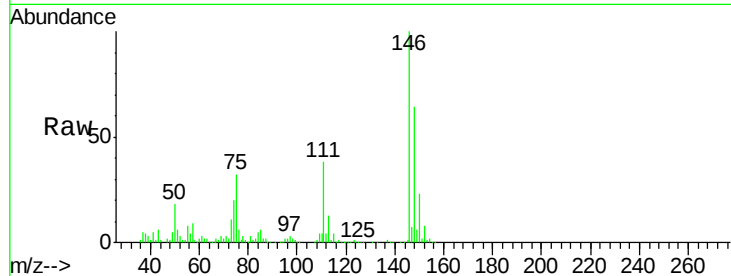




#88
 1,4-Dichlorobenzene
 Concen: 30.57 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025052.D
 Acq: 29 Jun 2018 04:48

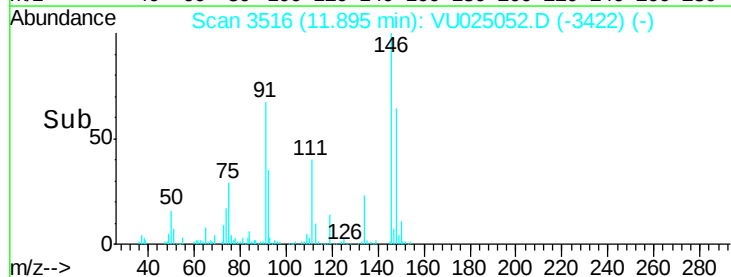
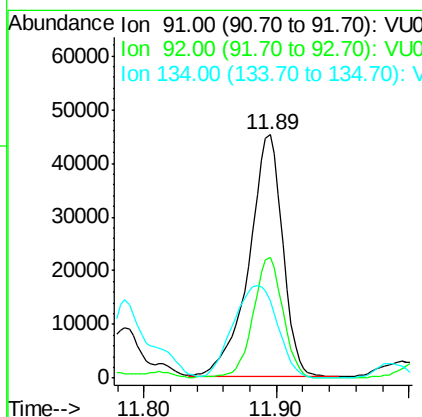
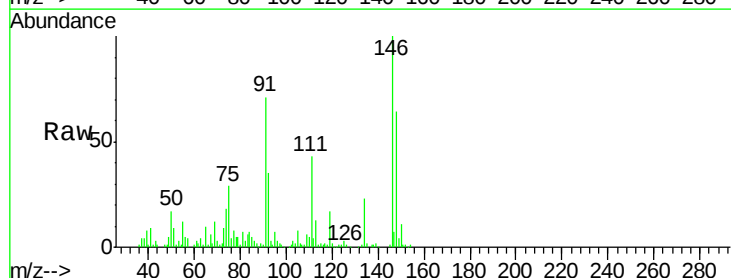
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB481-11-13-180621ME

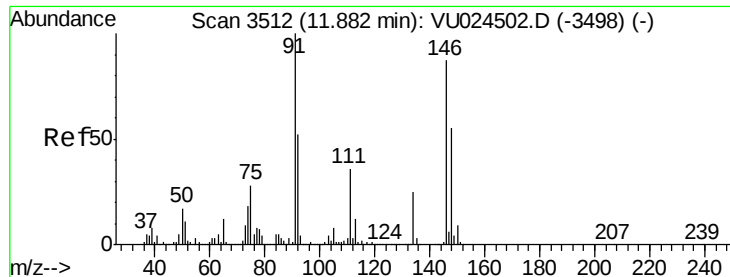
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.5	58.5
148	64.3	32.4	97.0



#89
 n-Butylbenzene
 Concen: 5.77 ug/l
 RT: 11.89 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU025052.D
 Acq: 29 Jun 2018 04:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.5	25.6	76.8
134	50.4	12.3	36.8#

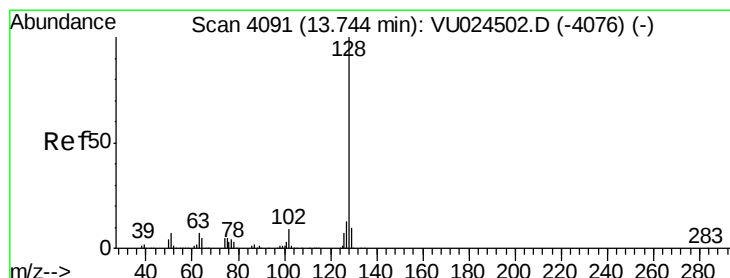
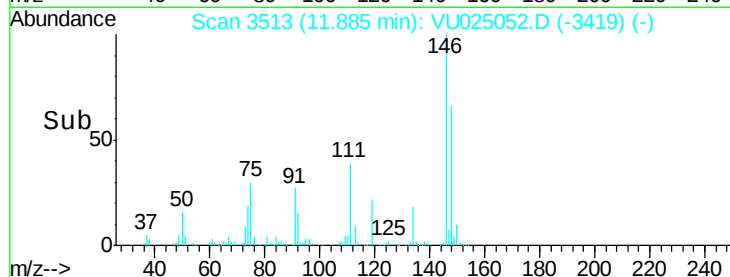
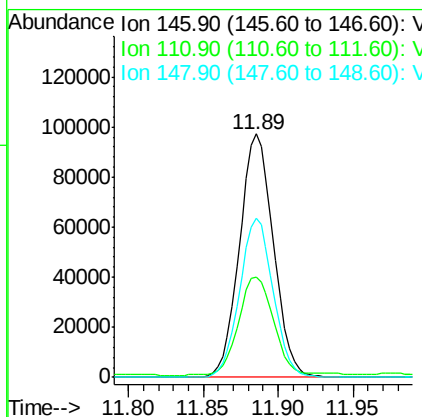
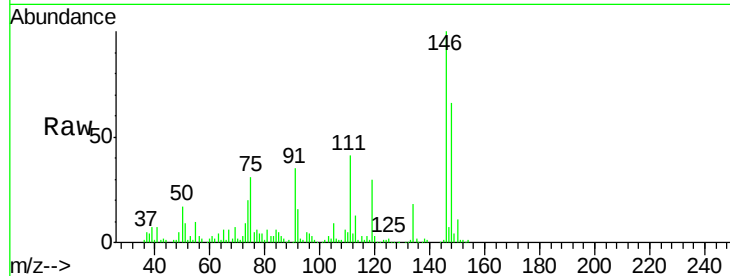




#91
 1,2-Dichlorobenzene
 Concen: 19.71 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025052.D
 Acq: 29 Jun 2018 04:48

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB481-11-13-180621ME

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.6
148	64.5	31.9	95.7



#95
 Naphthalene
 Concen: 16.38 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025052.D
 Acq: 29 Jun 2018 04:48

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	10.8	8.6	12.8

