

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025025.D
 Acq On : 28 Jun 2018 17:06
 Operator : MD/SY
 Sample : J3707-26 20X
 Misc : 5.80g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-31-33-180622

Quant Time: Jul 06 18:10:58 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	222054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336771	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	307340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175870	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	165135	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	4.89	113	131013	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	7.57	98	482738	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
62) 4-Bromofluorobenzene	10.31	95	186794	46.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.30%	

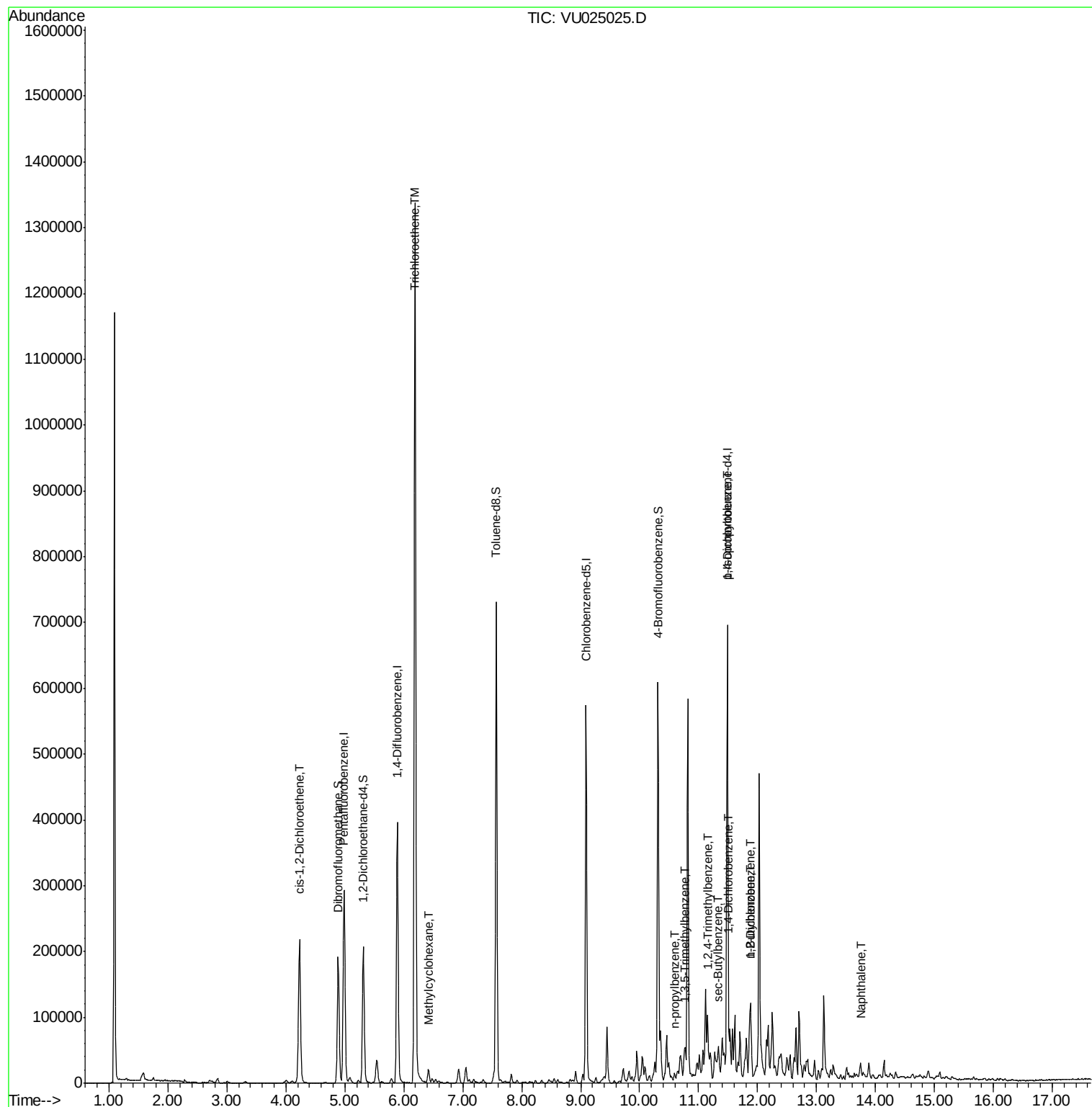
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	4.23	96	122982	38.41	ug/l	88
39) Methylcyclohexane	6.42	83	8538	1.73	ug/l	95
44) Trichloroethene	6.19	130	471861	147.03	ug/l	96
78) n-propylbenzene	10.59	91	6701	0.42	ug/l	94
80) 1,3,5-Trimethylbenzene	10.78	105	17582	1.50	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	42918	3.60	ug/l	99
85) sec-Butylbenzene	11.33	105	8093	0.57	ug/l	99
86) p-Isopropyltoluene	11.48	119	6660	0.53	ug/l	89
88) 1,4-Dichlorobenzene	11.52	146	3830	0.60	ug/l #	25
89) n-Butylbenzene	11.89	91	20421	1.82	ug/l #	44
91) 1,2-Dichlorobenzene	11.89	146	6607	1.04	ug/l	86
95) Naphthalene	13.75	128	17210	1.99	ug/l	98

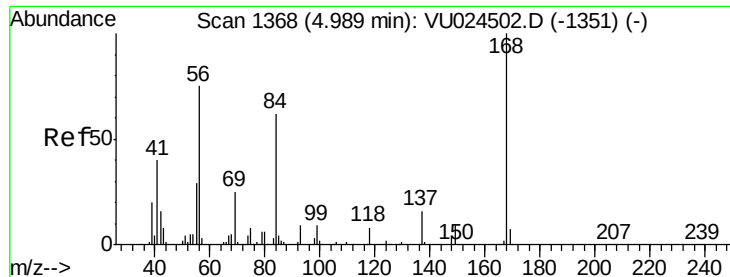
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

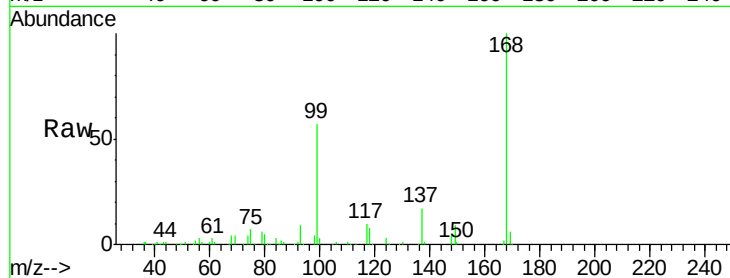
WP021SB489-31-33-180622

Tot Ion:168 Resp: 222054

Ion Ratio Lower Upper

168 100

99 56.8 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) (-)

4.99

100000

80000

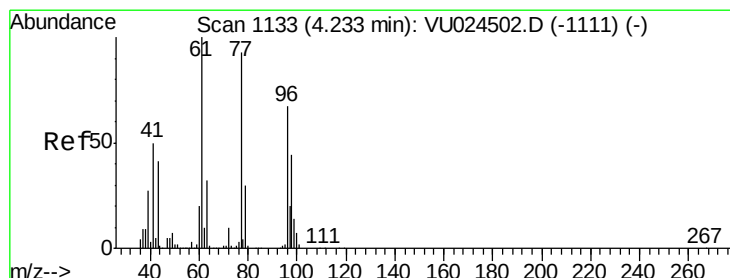
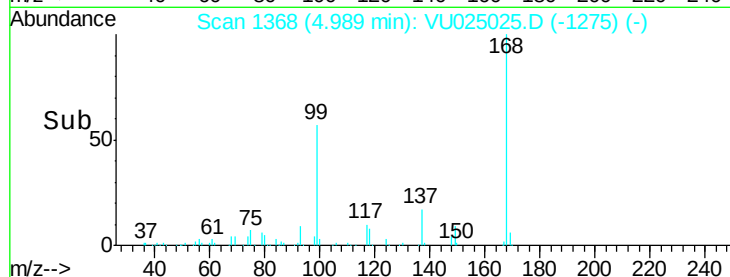
60000

40000

20000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 38.41 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

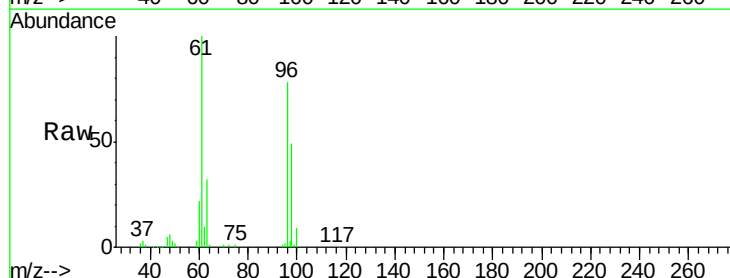
Tgt Ion: 96 Resp: 122982

Ion Ratio Lower Upper

96 100

61 131.1 0.0 306.6

98 63.8 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU024502.D (-1111) (-)

Ion 60.90 (60.60 to 61.60): VU024502.D (-1111) (-)

Ion 97.90 (97.60 to 98.60): VU024502.D (-1111) (-)

4.23

80000

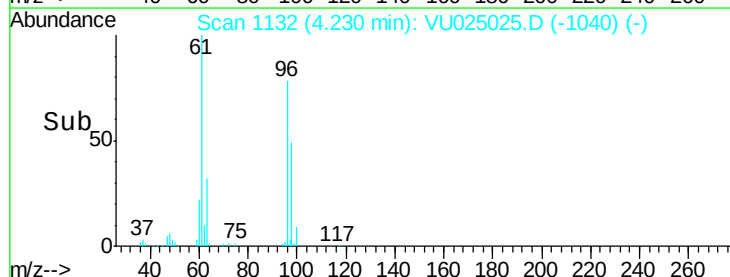
60000

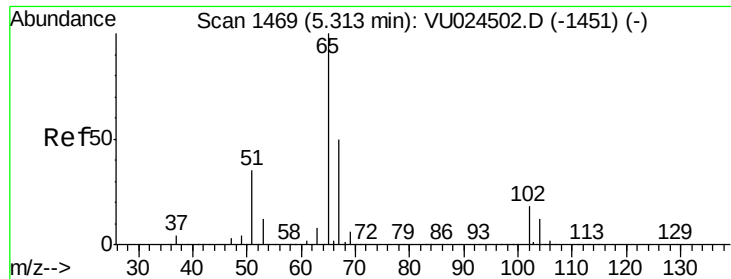
40000

20000

0

Time-->

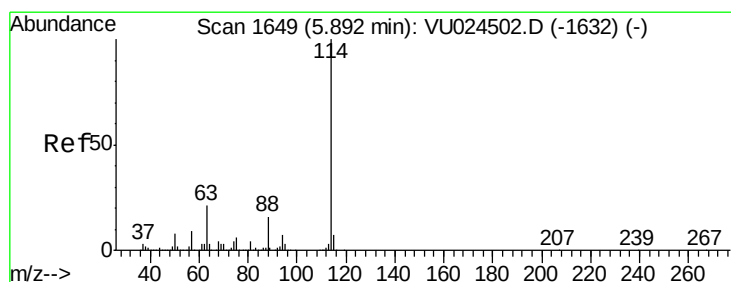
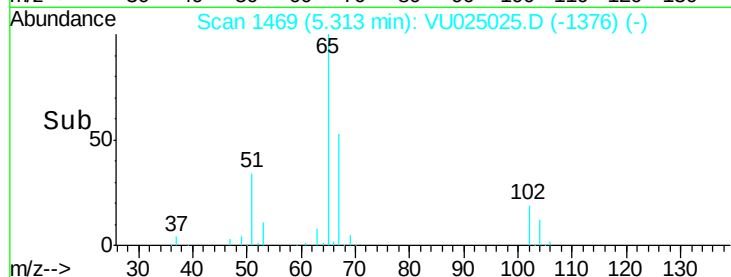
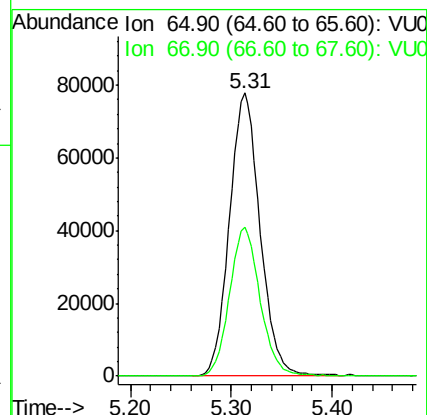
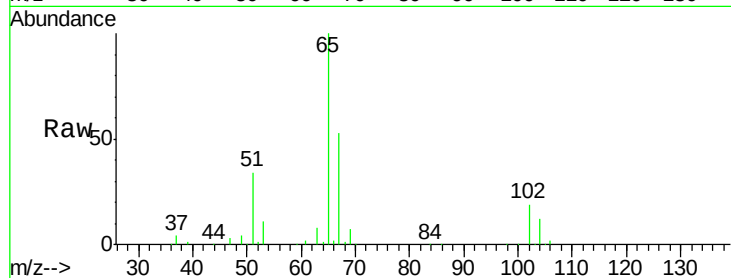




#33
 1,2-Dichloroethane-d4
 Concen: 45.55 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

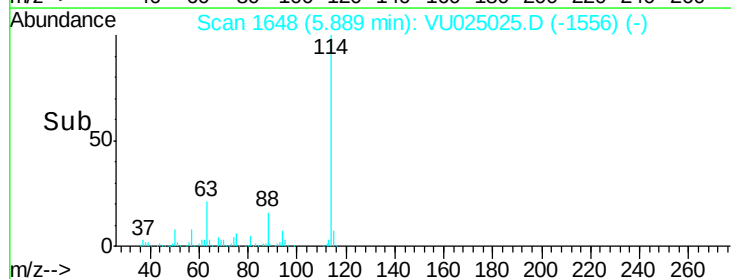
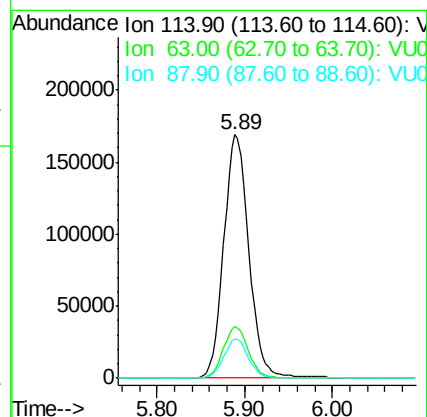
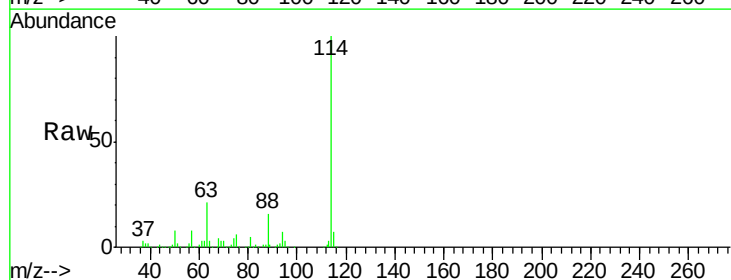
Instrument :
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 WP021SB489-31-33-180622

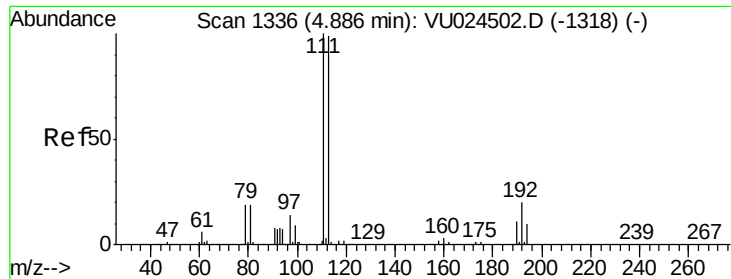
Tot Ion: 65 Resp: 165135
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

Tgt Ion: 114 Resp: 336771
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 45.4
 88 16.1 0.0 31.0

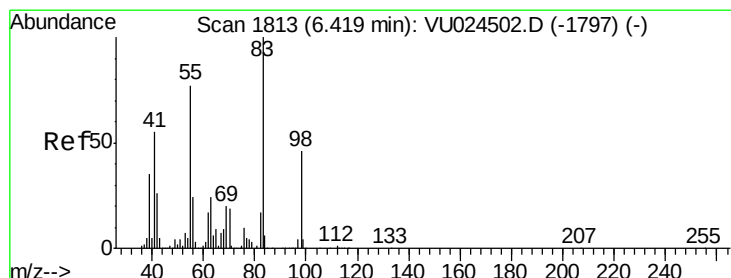
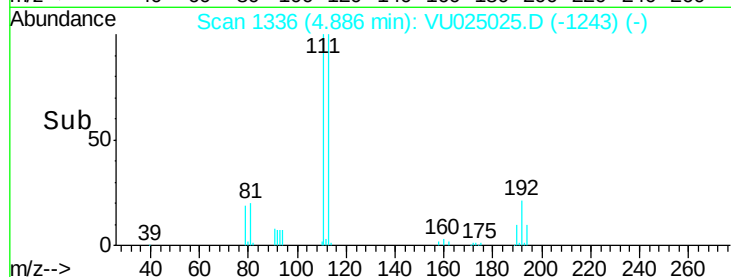
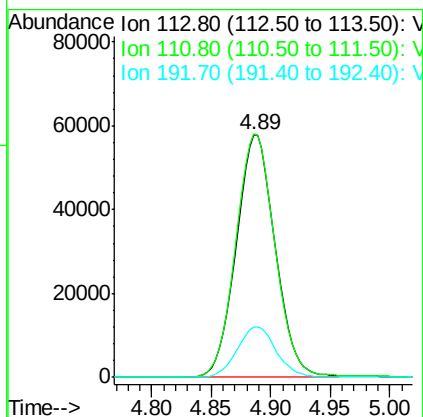
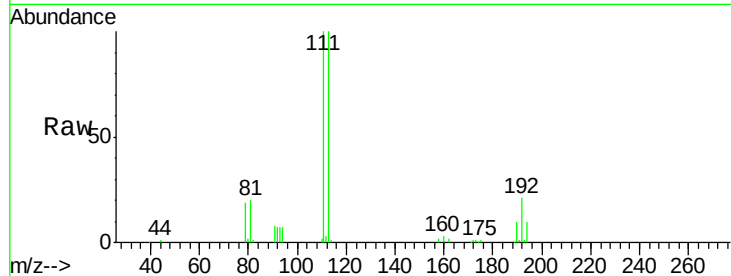




#35
 Dibromofluoromethane
 Concen: 46.88 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

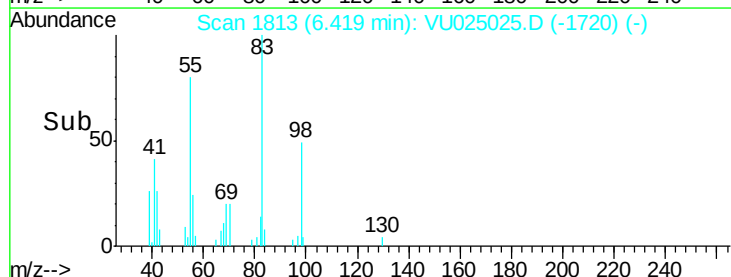
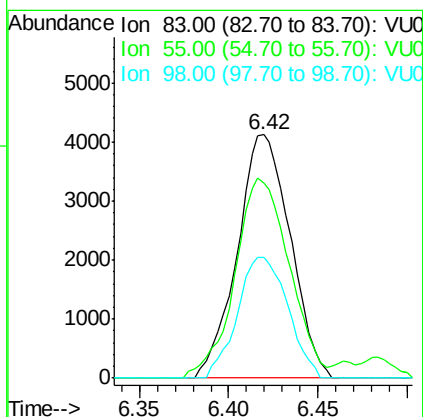
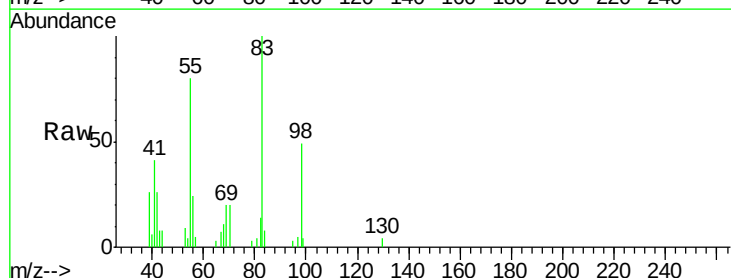
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-31-33-180622

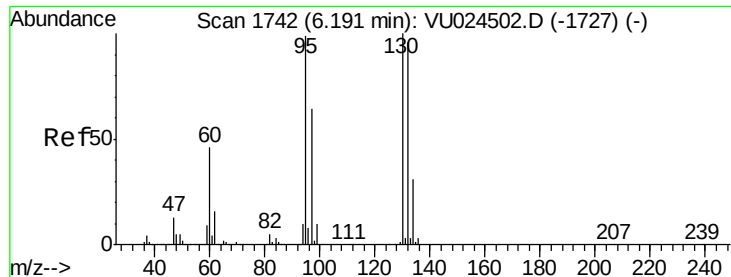
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.4
192	20.9	16.2	24.4



#39
 Methylcyclohexane
 Concen: 1.73 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.5	65.8	98.6
98	49.4	36.7	55.1





#44

Trichloroethene

Concen: 147.03 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

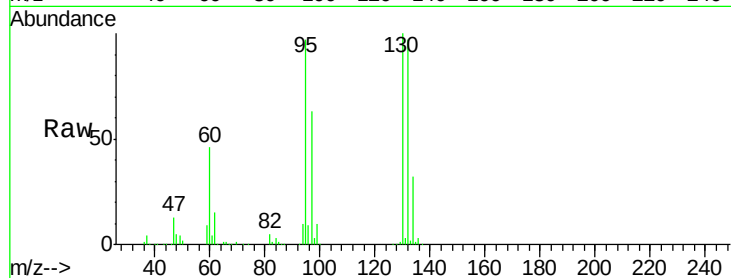
WP021SB489-31-33-180622

Tot Ion:130 Resp: 471861

Ion Ratio Lower Upper

130 100

95 96.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.19

250000

200000

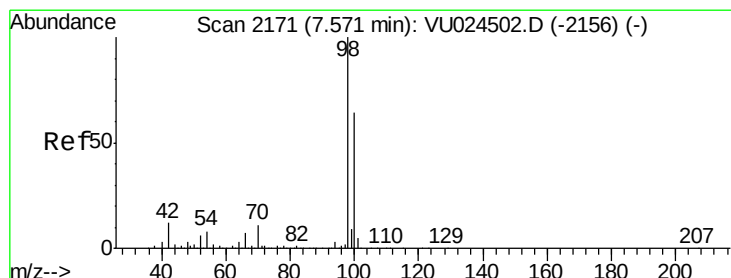
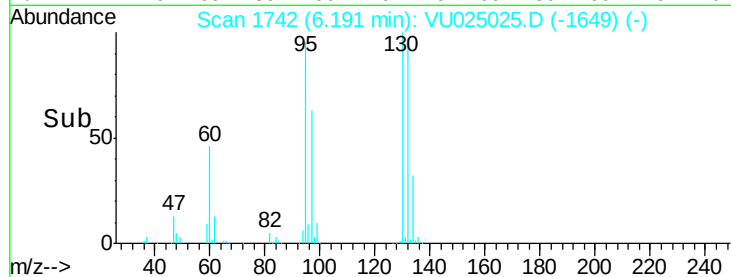
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 47.35 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025025.D

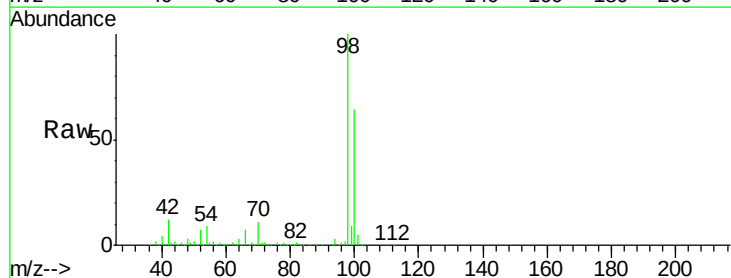
Acq: 28 Jun 2018 17:06

Tgt Ion: 98 Resp: 482738

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

300000

250000

200000

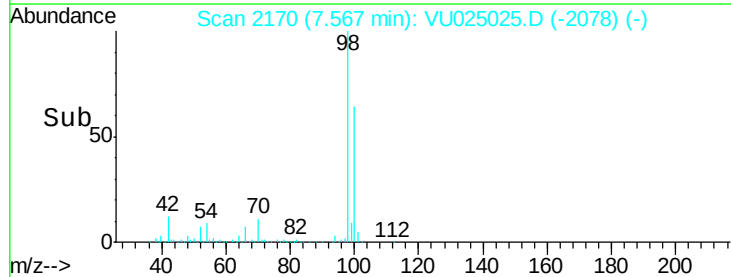
150000

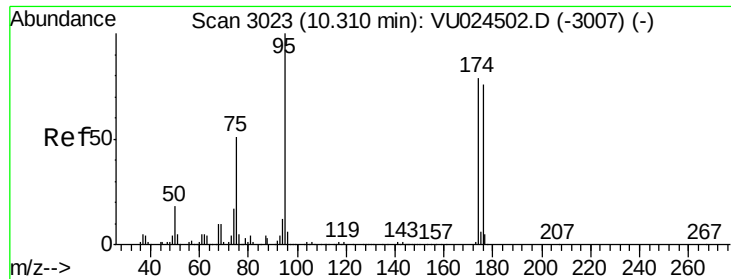
100000

50000

0

Time-->

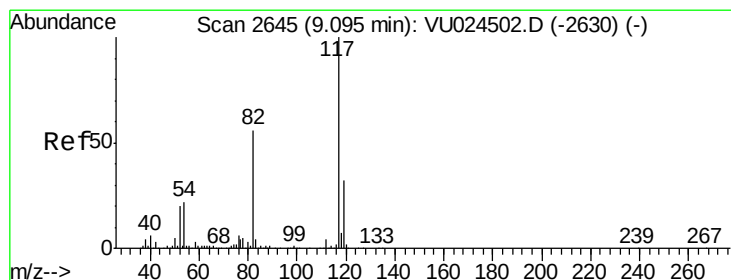
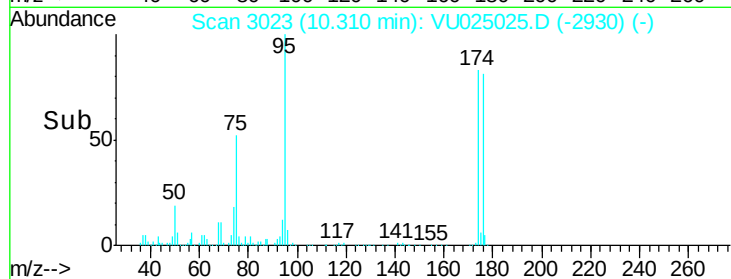
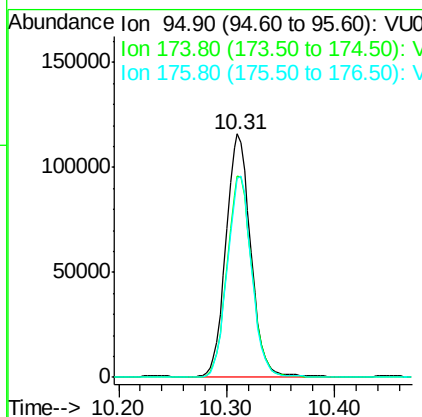
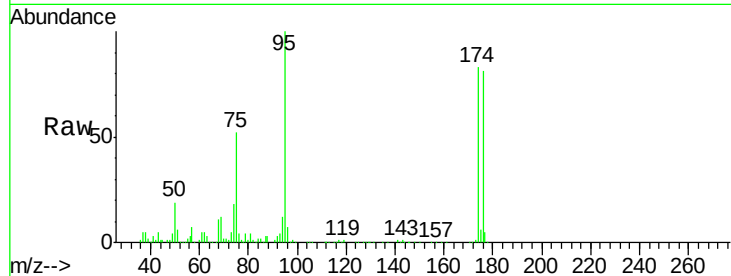




#62
4-Bromofluorobenzene
Concen: 46.15 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025025.D
Acq: 28 Jun 2018 17:06

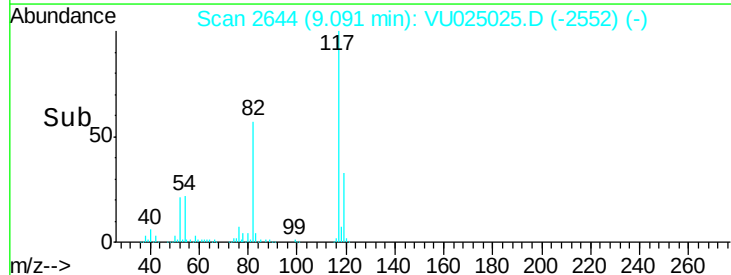
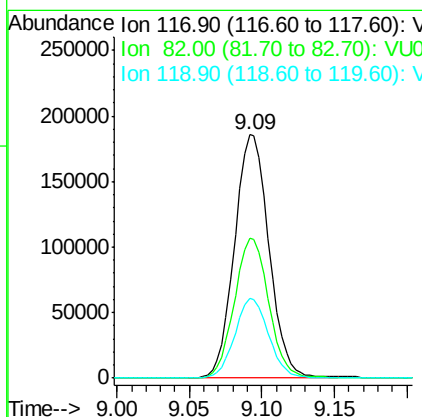
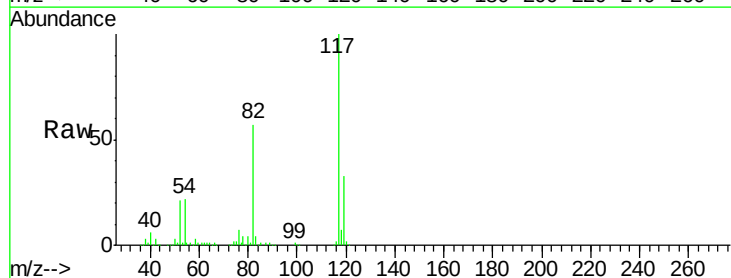
Instrument :
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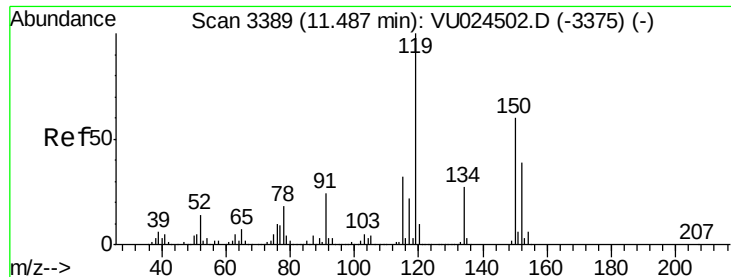
Tot Ion	95	Resp	186794
Ion Ratio	Lower	Upper	
95	100		
174	82.4	0.0	165.8
176	80.9	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025025.D
Acq: 28 Jun 2018 17:06

Tgt Ion	117	Resp	307340
Ion Ratio	Lower	Upper	
117	100		
82	57.5	44.3	66.5
119	32.7	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-31-33-180622

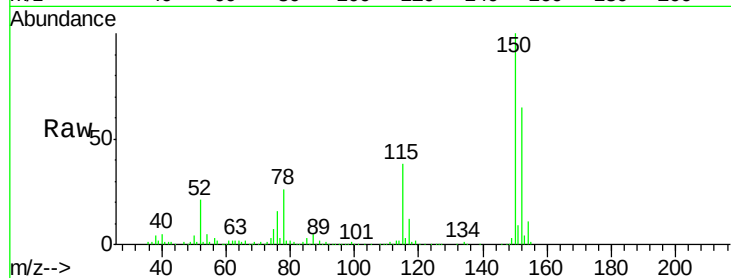
Tot Ion:152 Resp: 175870

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

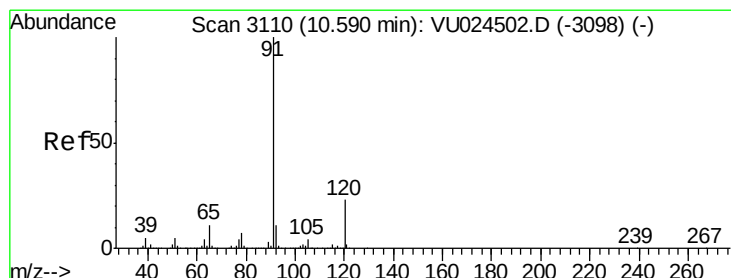
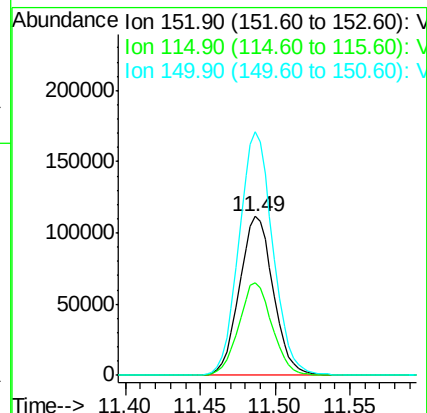
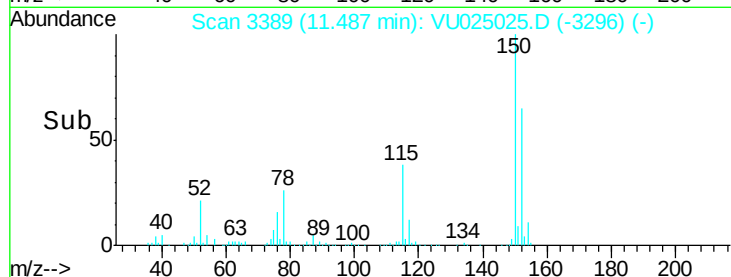
150 153.1 0.0 354.0



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



#78

n-propylbenzene

Concen: 0.42 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025025.D

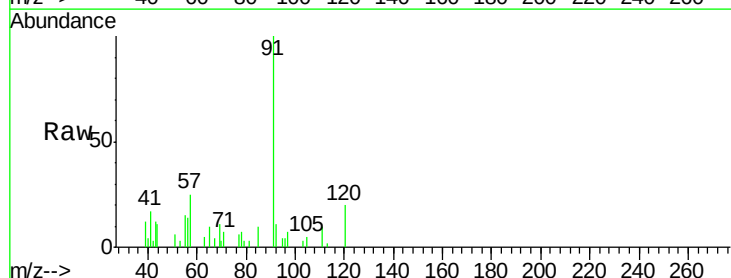
Acq: 28 Jun 2018 17:06

Tgt Ion: 91 Resp: 6701

Ion Ratio Lower Upper

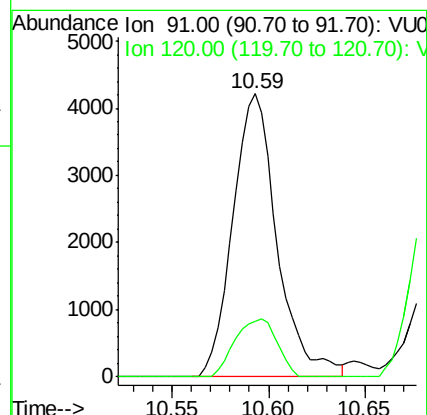
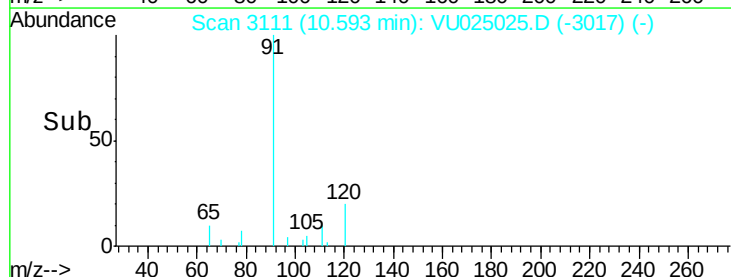
91 100

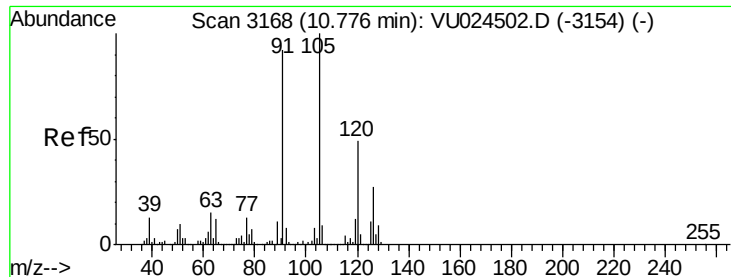
120 19.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 1.50 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

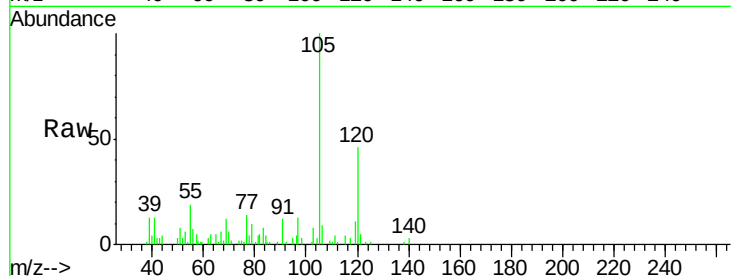
WP021SB489-31-33-180622

Tot Ion:105 Resp: 17582

Ion Ratio Lower Upper

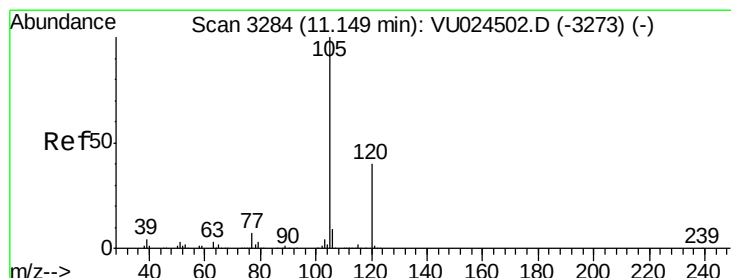
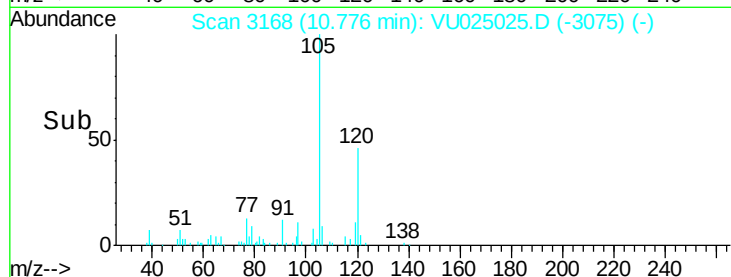
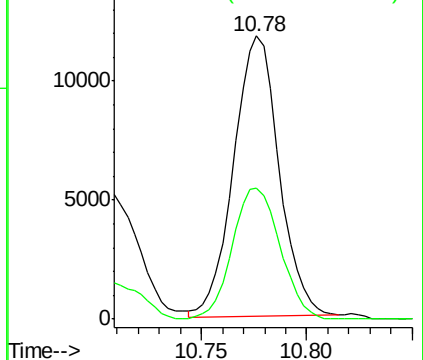
105 100

120 49.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 3.60 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025025.D

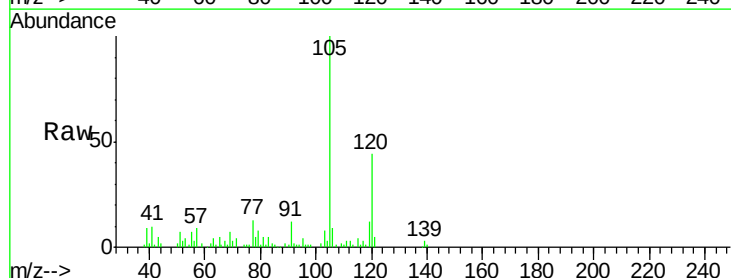
Acq: 28 Jun 2018 17:06

Tgt Ion:105 Resp: 42918

Ion Ratio Lower Upper

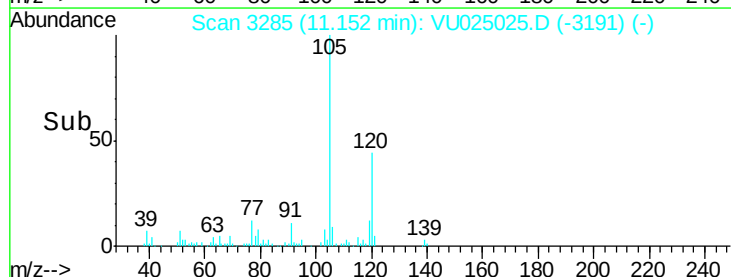
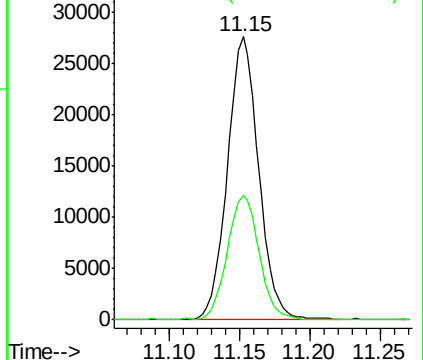
105 100

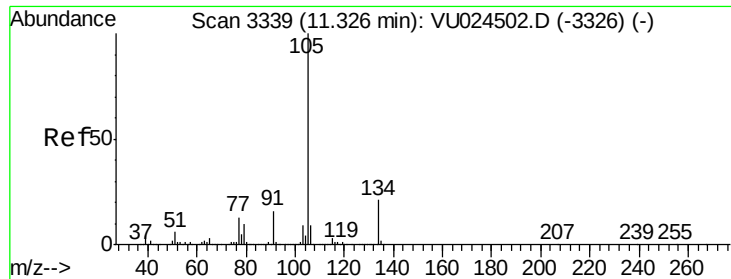
120 44.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.57 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

Instrument :

MSVOA_U

ClientSampleId :

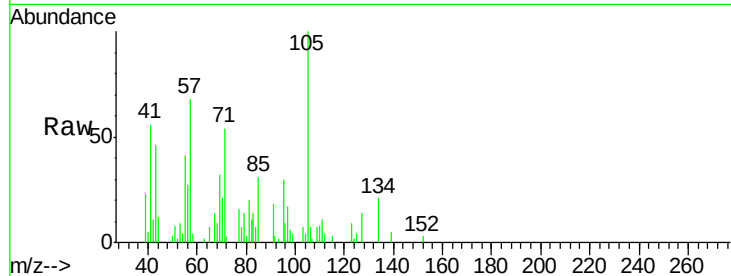
WP021SB489-31-33-180622

Tot Ion:105 Resp: 8093

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

6000

5000

4000

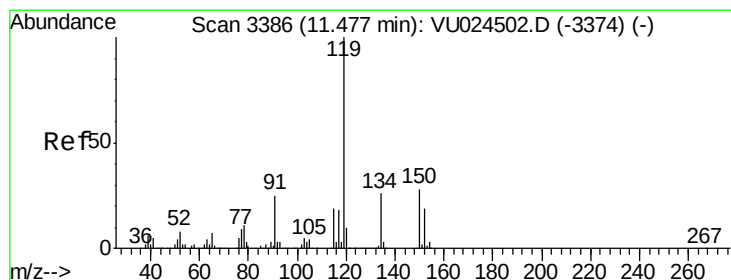
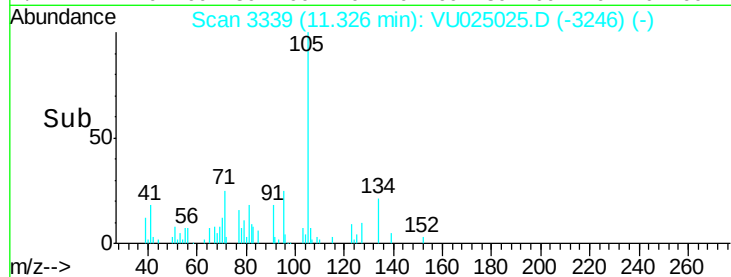
3000

2000

1000

0

Time-->



#86

p-Isopropyltoluene

Concen: 0.53 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025025.D

Acq: 28 Jun 2018 17:06

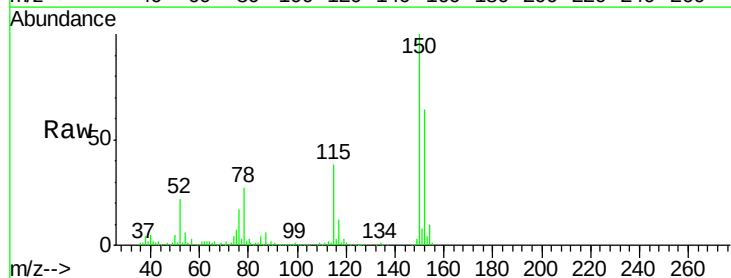
Tgt Ion:119 Resp: 6660

Ion Ratio Lower Upper

119 100

134 29.9 12.9 38.6

91 30.5 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

8000

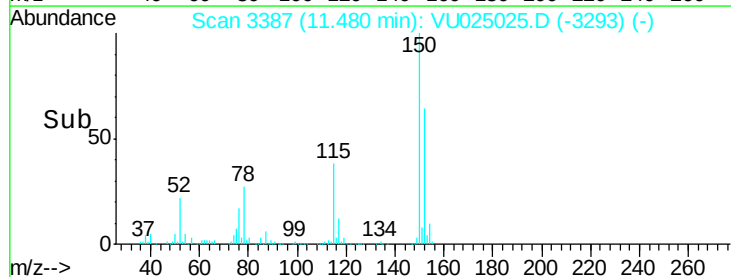
6000

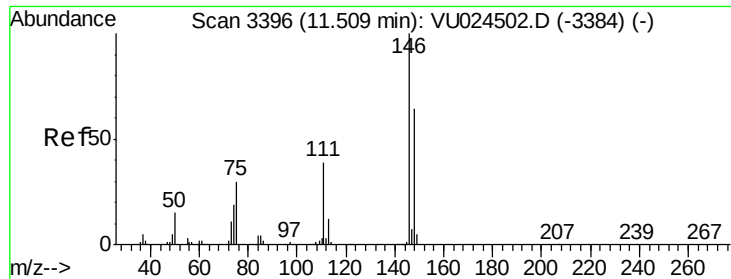
4000

2000

0

Time-->

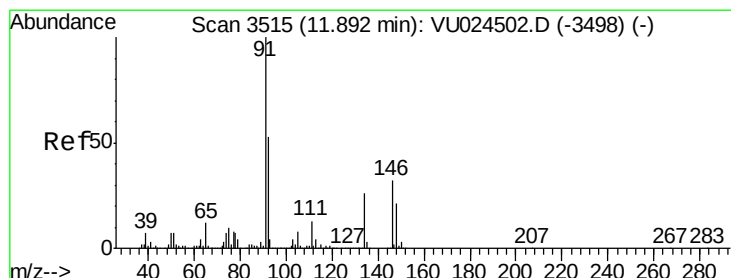
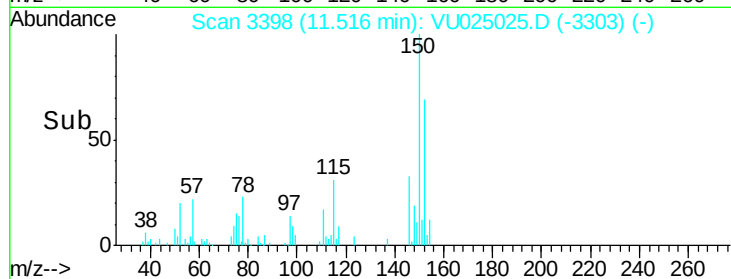
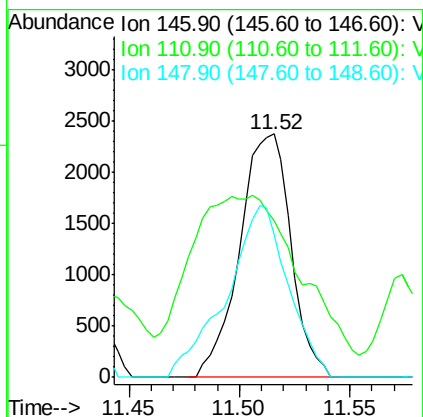
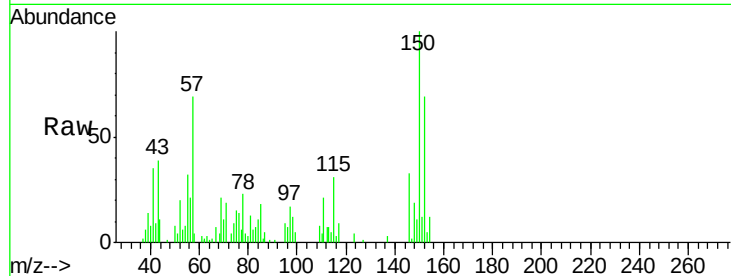




#88
 1,4-Dichlorobenzene
 Concen: 0.60 ug/l
 RT: 11.52 min Scan# 3398
 Delta R.T. 0.01 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

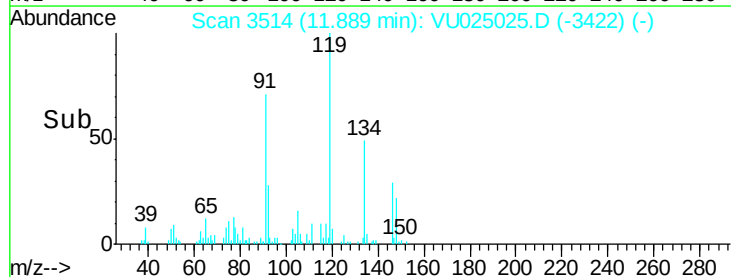
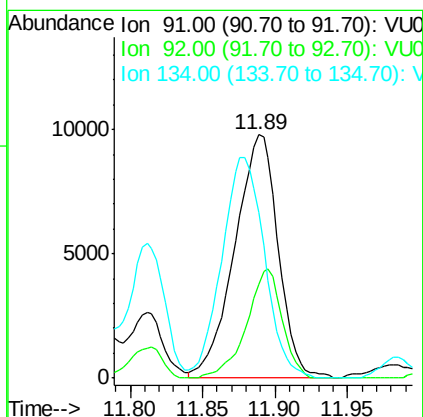
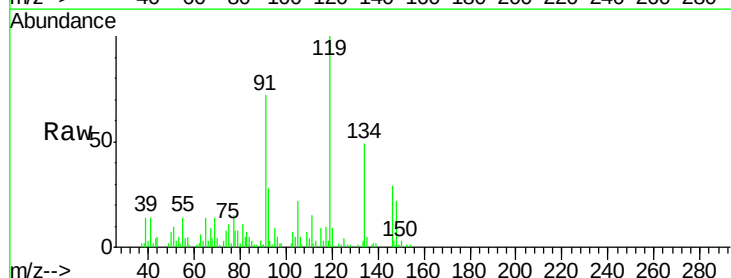
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-31-33-180622

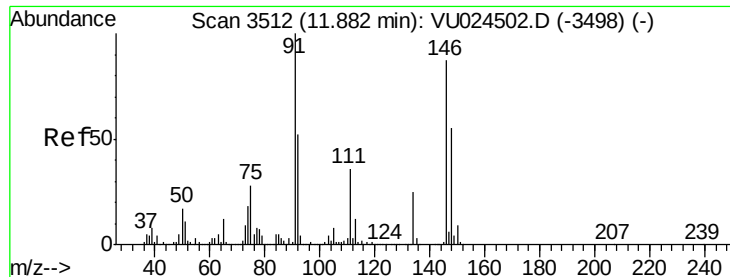
Tot Ion:146 Resp: 3830
 Ion Ratio Lower Upper
 146 100
 111 134.5 19.5 58.5#
 148 84.8 32.4 97.0



#89
 n-Butylbenzene
 Concen: 1.82 ug/l
 RT: 11.89 min Scan# 3514
 Delta R.T. -0.00 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

Tgt Ion: 91 Resp: 20421
 Ion Ratio Lower Upper
 91 100
 92 36.6 25.6 76.8
 134 89.1 12.3 36.8#

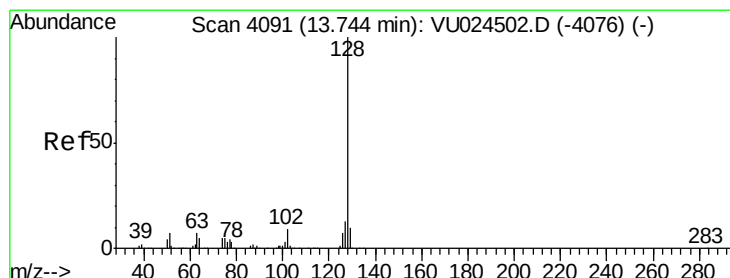
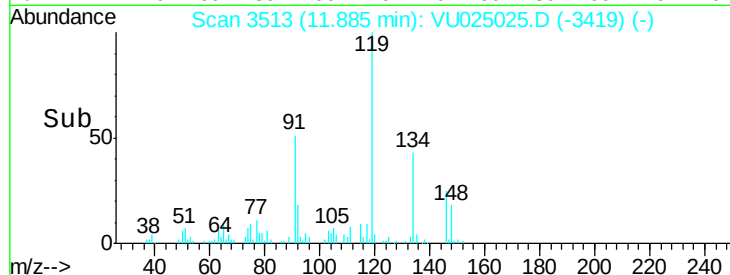
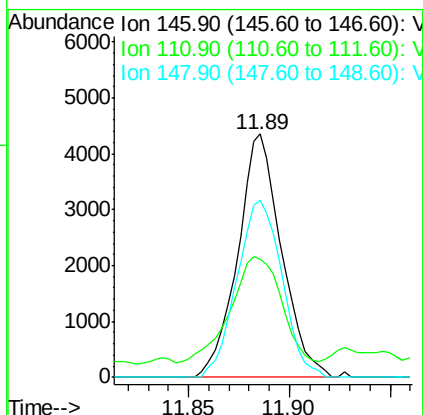
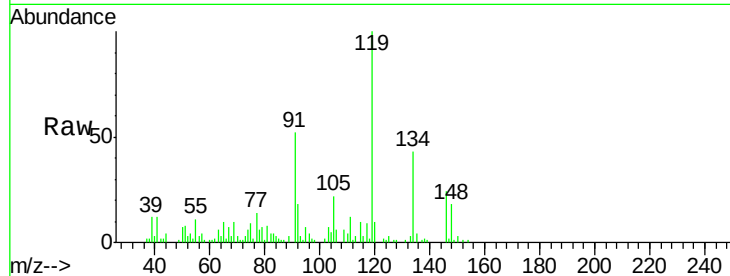




#91
 1,2-Dichlorobenzene
 Concen: 1.04 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-31-33-180622

Tot Ion:146 Resp: 6607
 Ion Ratio Lower Upper
 146 100
 111 50.0 20.5 61.6
 148 75.0 31.9 95.7



#95
 Naphthalene
 Concen: 1.99 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU025025.D
 Acq: 28 Jun 2018 17:06

Tgt Ion:128 Resp: 17210
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.6 16.0
 129 12.2 8.6 12.8

