

Data File : VU025019.D
Acq On : 28 Jun 2018 14:40
Operator : MD/SY
Sample : J3707-02DL 5X
Misc : 5.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021SB488-23-25-180622DL

Quant Time: Jul 09 03:31:19 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	234859	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	348047	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	331197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	211793	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	169258	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	
35) Dibromofluoromethane	4.89	113	134911	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
50) Toluene-d8	7.57	98	502680	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	10.31	95	208143	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds				Qvalue		
4) Vinyl Chloride	1.40	62	103935	33.557	ug/l	97
39) Methylcyclohexane	6.42	83	11887	2.329	ug/l	98
52) Toluene	7.64	92	221209	29.504	ug/l	99
65) Chlorobenzene	9.12	112	8442	0.998	ug/l	95
67) Ethyl Benzene	9.26	91	15758	1.062	ug/l	97
68) m/p-Xylenes	9.38	106	27581	4.842	ug/l	98
69) o-Xylene	9.78	106	12087	2.144	ug/l	97
73) Isopropylbenzene	10.17	105	8359	0.514	ug/l	95
78) n-propylbenzene	10.59	91	18081	0.944	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	48522	3.443	ug/l	95
84) 1,2,4-Trimethylbenzene	11.15	105	122503	8.529	ug/l	100
85) sec-Butylbenzene	11.33	105	14973	0.882	ug/l	98
86) p-Isopropyltoluene	11.48	119	14003	0.921	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	7435	0.978	ug/l #	74
88) 1,4-Dichlorobenzene	11.51	146	21283	2.780	ug/l #	83
89) n-Butylbenzene	11.89	91	31602	2.342	ug/l #	42
91) 1,2-Dichlorobenzene	11.89	146	49918	6.553	ug/l	97
95) Naphthalene	13.75	128	113108	7.844	ug/l	98

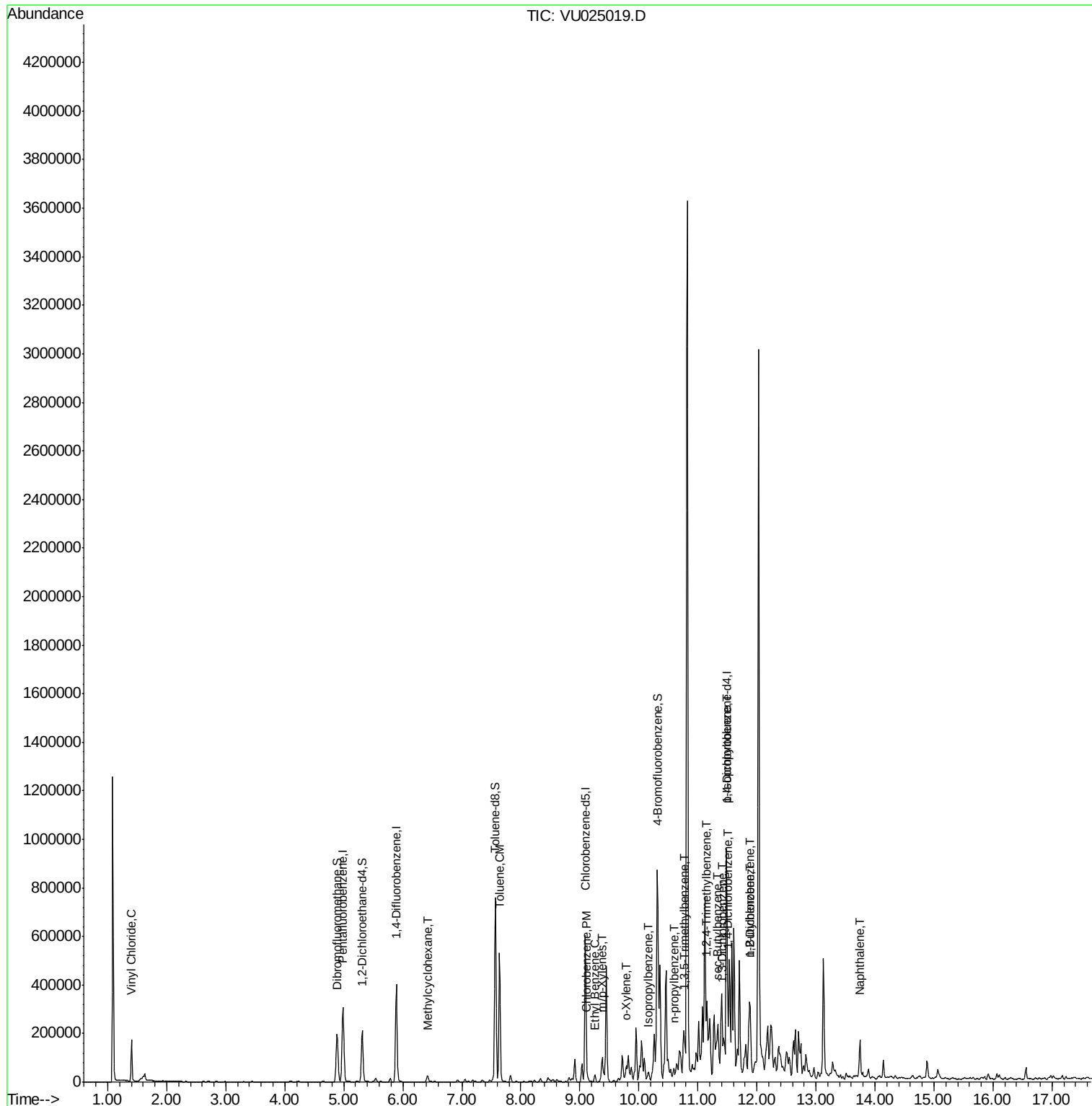
(#) = qualifier out of range (m) = manual integration (+) = signals summed

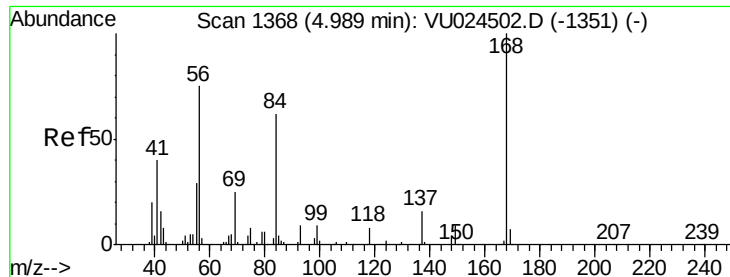
Data File : VU025019.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

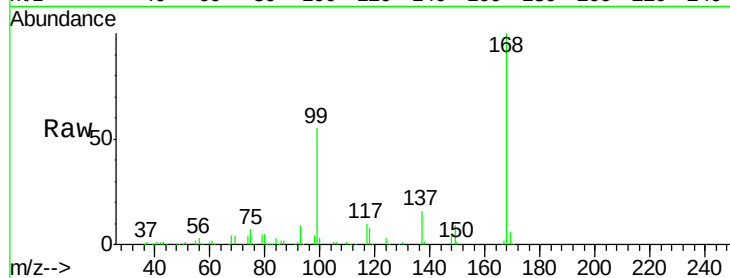
WP021SB488-23-25-180622DL

Tgt Ion:168 Resp: 234859

Ion Ratio Lower Upper

168 100

99 55.4 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

120000

100000

80000

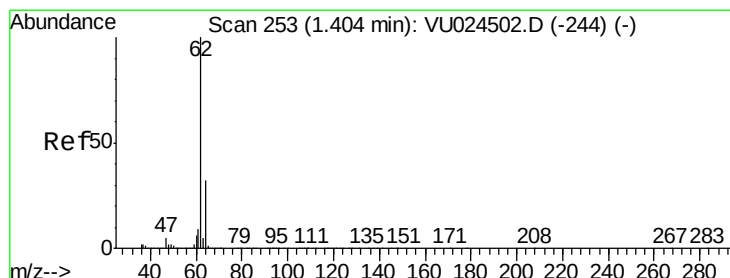
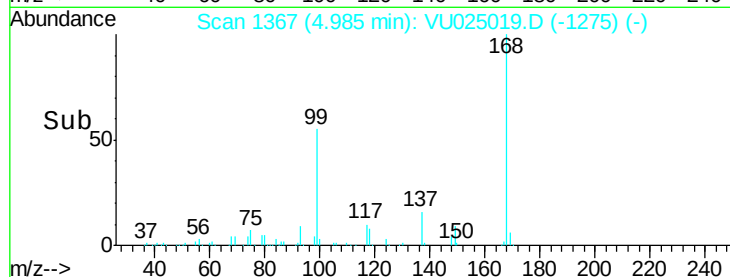
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 33.557 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025019.D

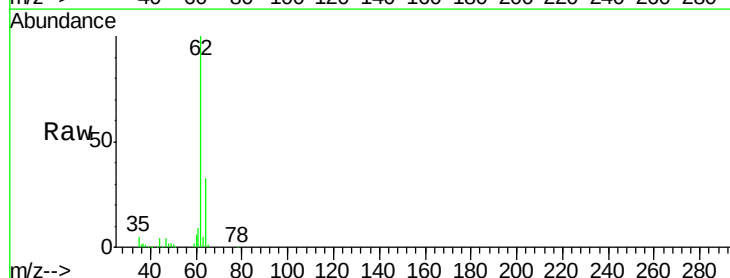
Acq: 28 Jun 2018 14:40

Tgt Ion: 62 Resp: 103935

Ion Ratio Lower Upper

62 100

64 32.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

100000

80000

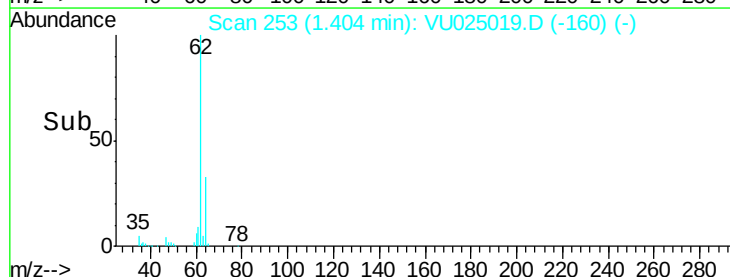
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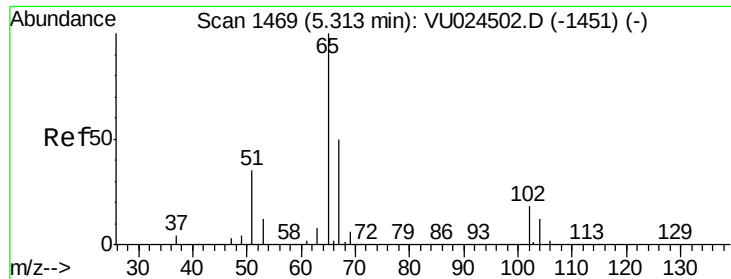
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20000

0

Time-->

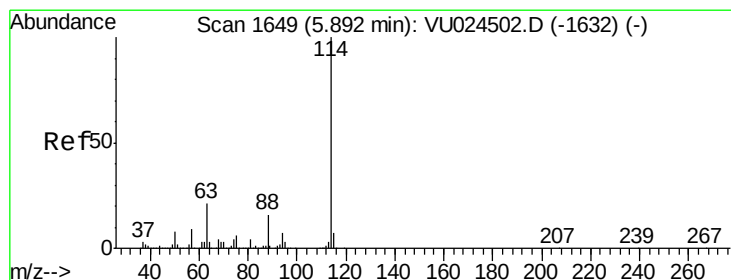
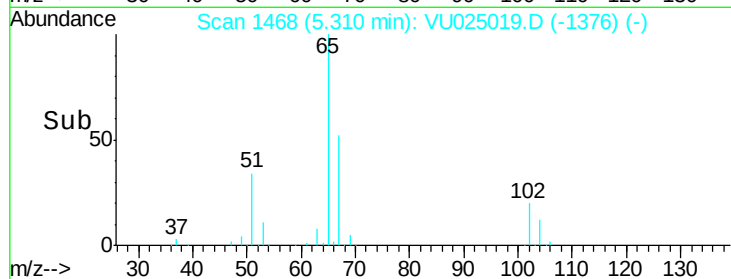
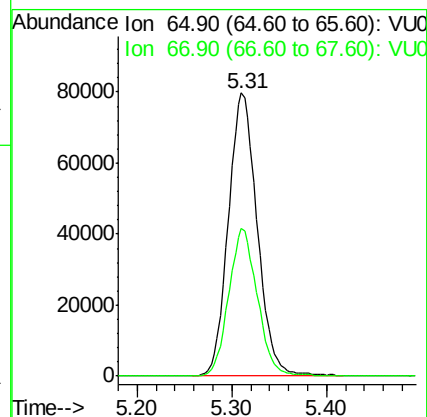
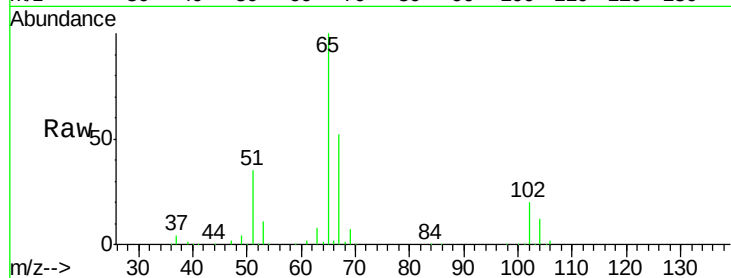




#33
 1,2-Dichloroethane-d4
 Concen: 44.145 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

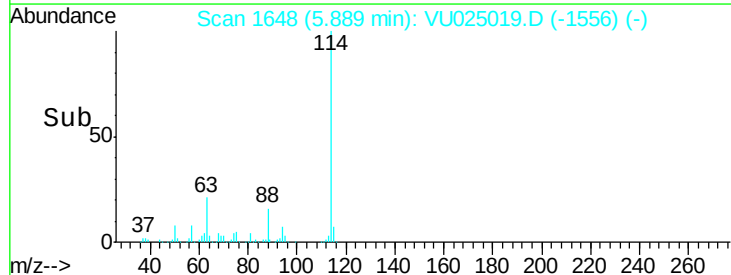
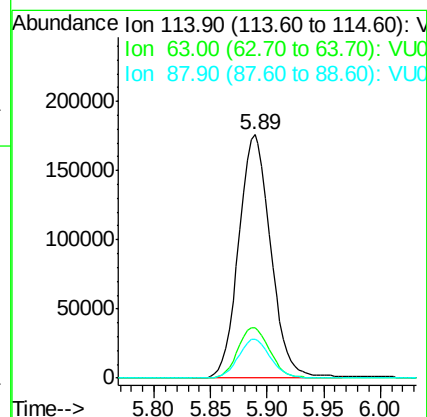
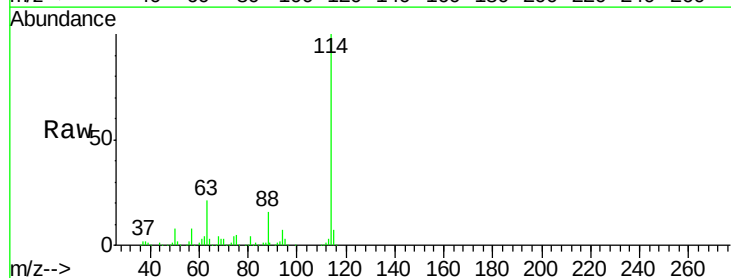
Instrument :
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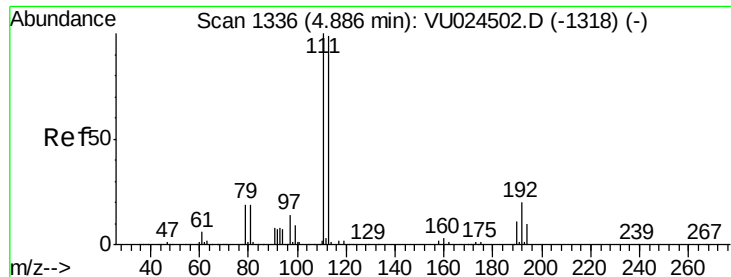
Tgt Ion: 65 Resp: 169258
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

Tgt Ion: 114 Resp: 348047
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.706 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

WP021SB488-23-25-180622DL

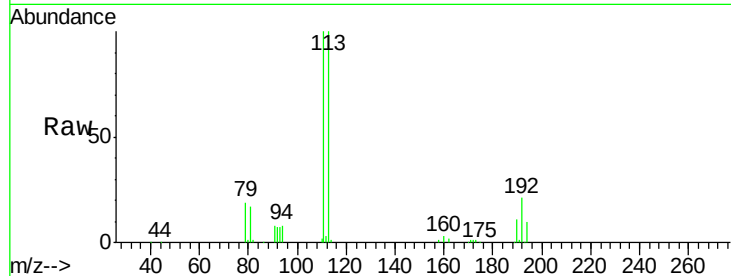
Tgt Ion:113 Resp: 134911

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

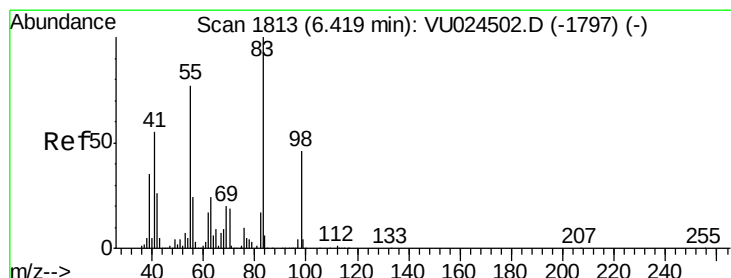
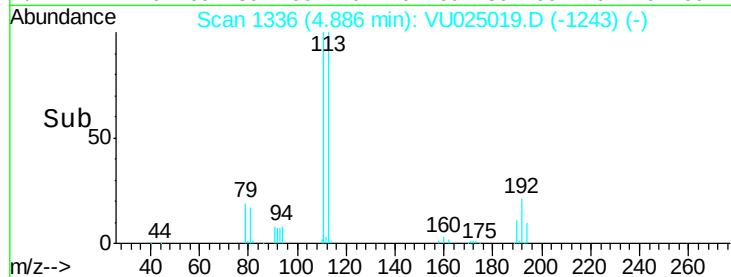
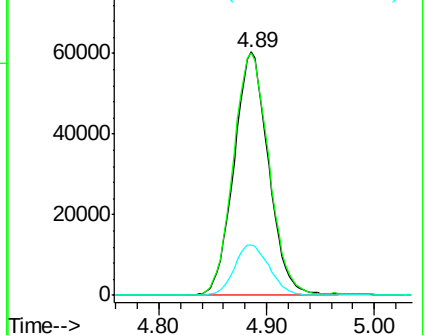
192 21.0 16.2 24.4



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

Methylcyclohexane

Concen: 2.329 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

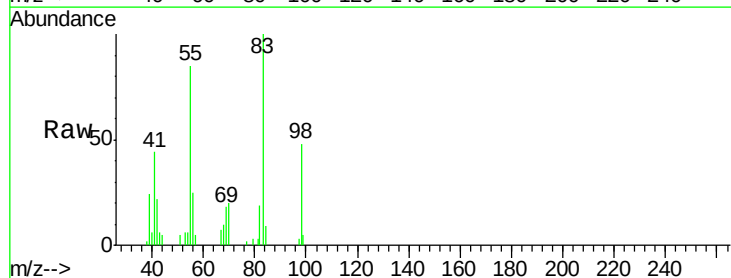
Tgt Ion: 83 Resp: 11887

Ion Ratio Lower Upper

83 100

55 83.5 65.8 98.6

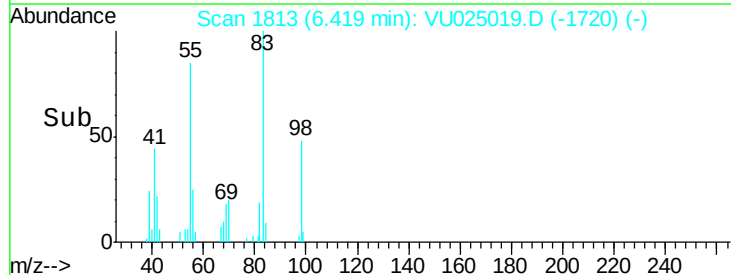
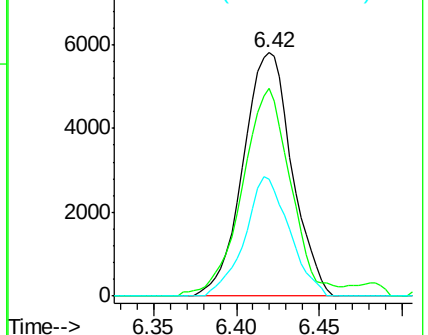
98 48.0 36.7 55.1

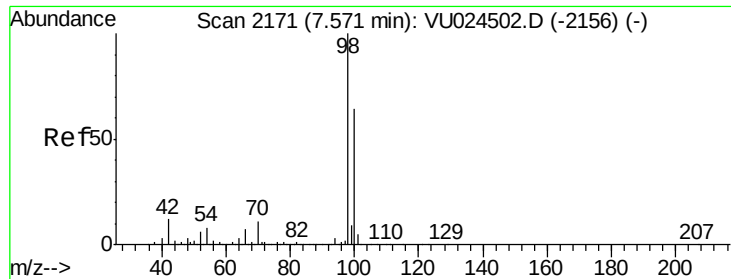


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

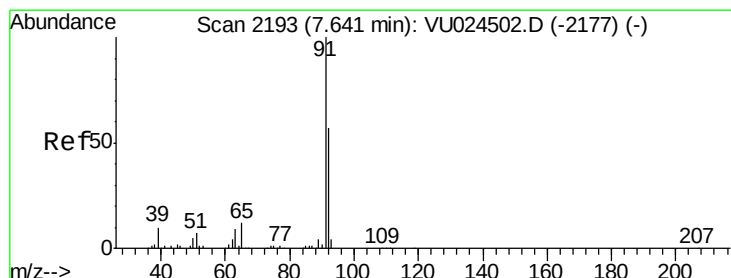
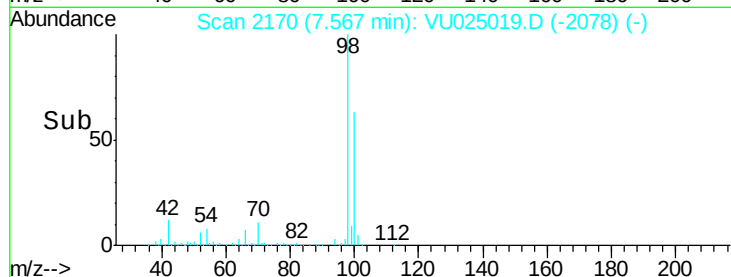
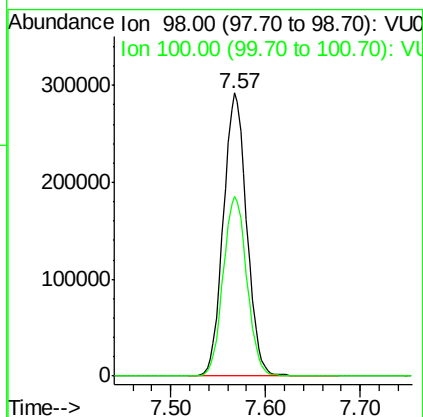
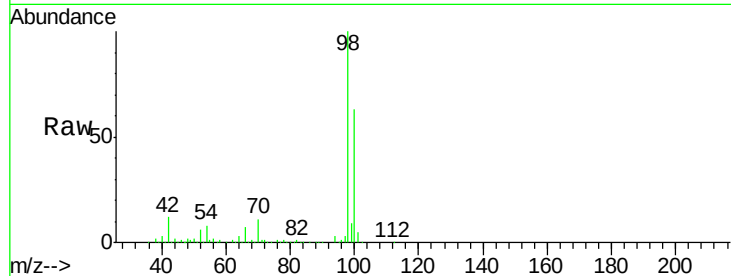




#50
Toluene-d8
Concen: 47.710 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025019.D
Acq: 28 Jun 2018 14:40

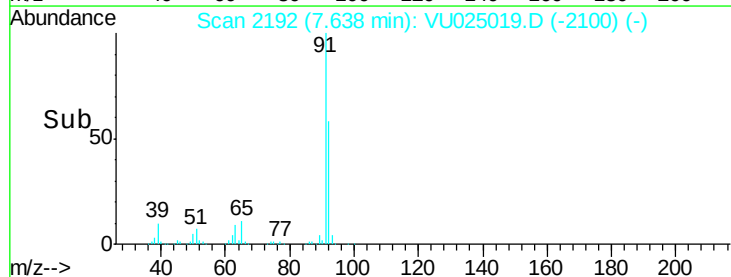
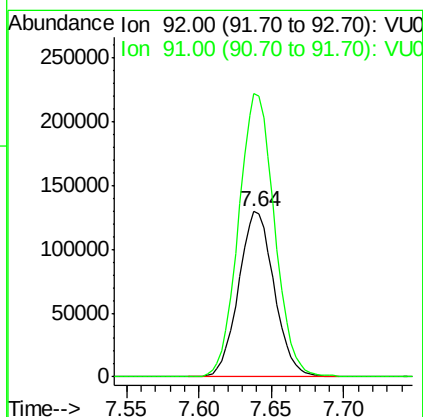
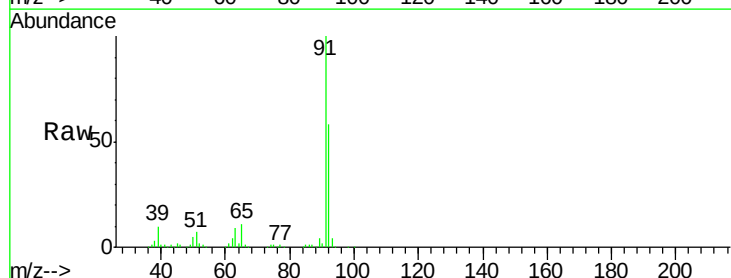
Instrument :
MSVOA_U
ClientSampleId :
WP021SB488-23-25-180622DL

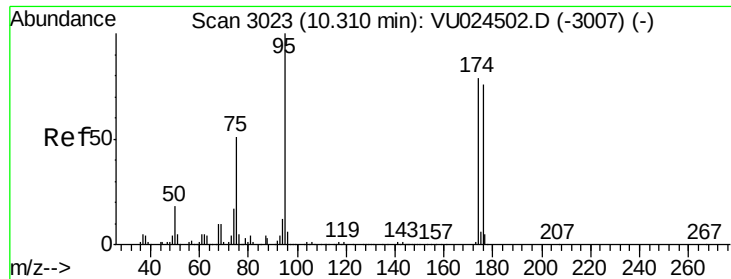
Tgt Ion: 98 Resp: 502680
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7



#52
Toluene
Concen: 29.504 ug/l
RT: 7.64 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VU025019.D
Acq: 28 Jun 2018 14:40

Tgt Ion: 92 Resp: 221209
Ion Ratio Lower Upper
92 100
91 173.6 140.5 210.7





#62

4-Bromofluorobenzene

Concen: 49.756 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

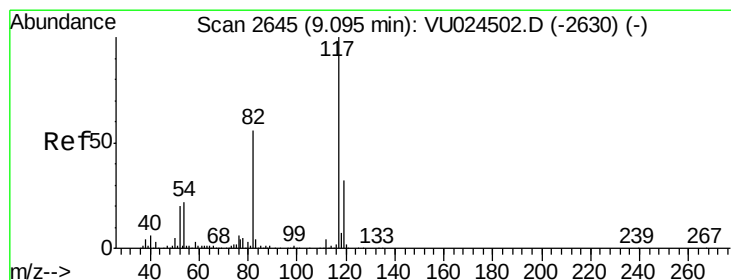
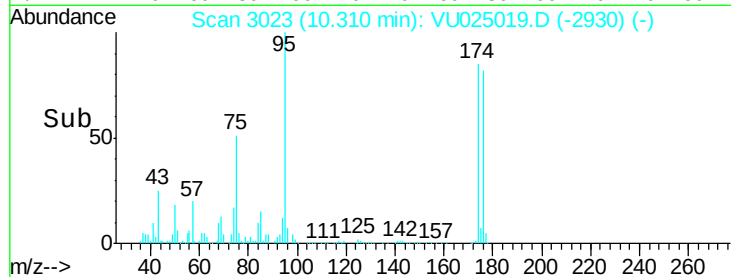
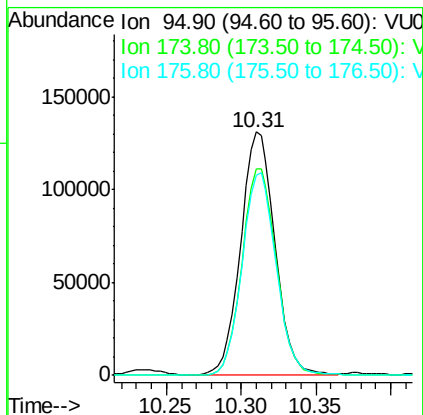
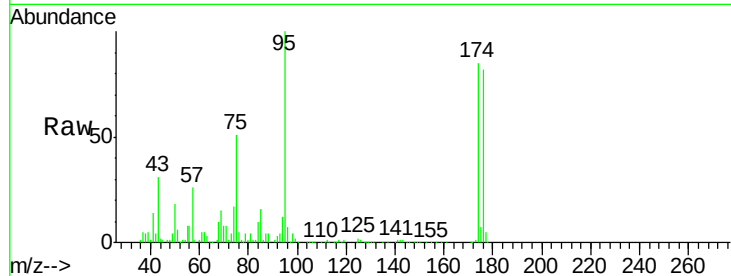
Instrument :

MSVOA_U

ClientSampleId :

WP021SB488-23-25-180622DL

Tgt Ion:	95	Resp:	208143
Ion Ratio	Lower	Upper	
95	100		
174	85.6	0.0	165.8
176	83.3	0.0	159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

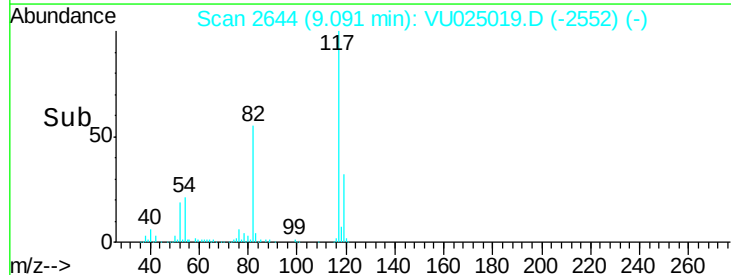
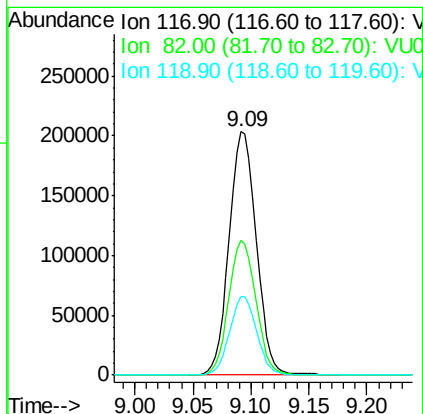
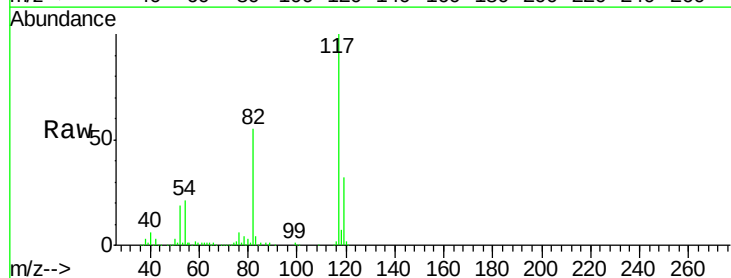
RT: 9.09 min Scan# 2644

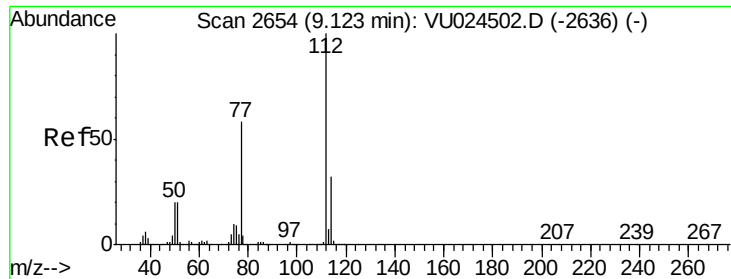
Delta R.T. -0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Tgt Ion:	117	Resp:	331197
Ion Ratio	Lower	Upper	
117	100		
82	55.0	44.3	66.5
119	32.0	25.4	38.2





#65

Chlorobenzene

Concen: 0.998 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

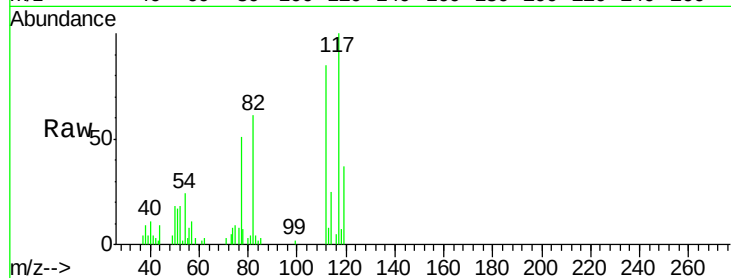
WP021SB488-23-25-180622DL

Tgt Ion:112 Resp: 8442

Ion Ratio Lower Upper

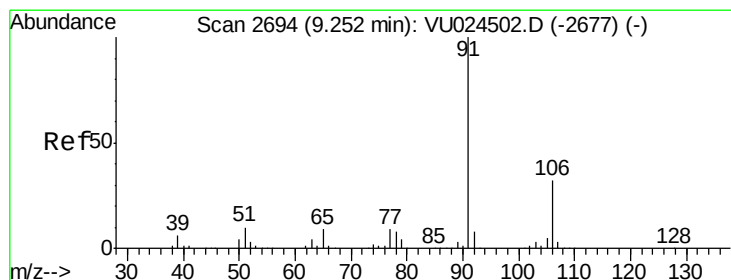
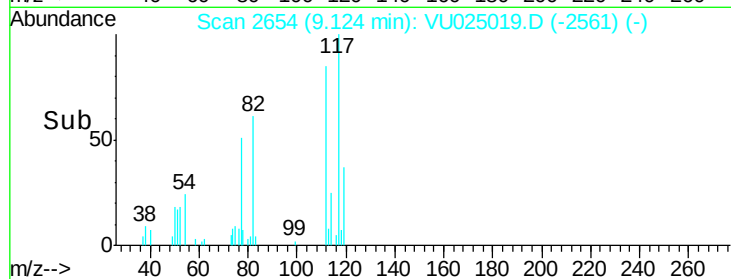
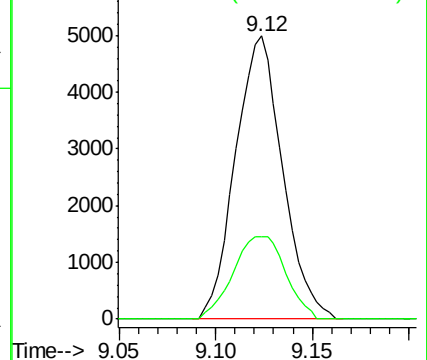
112 100

114 29.3 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 1.062 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025019.D

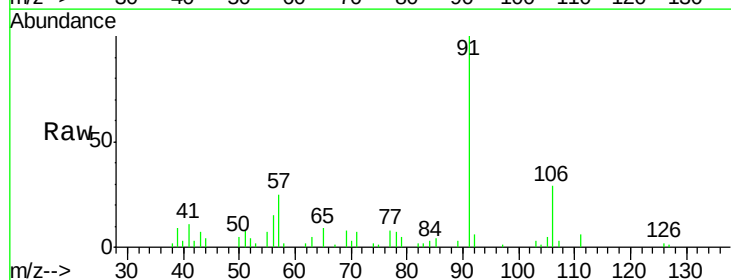
Acq: 28 Jun 2018 14:40

Tgt Ion: 91 Resp: 15758

Ion Ratio Lower Upper

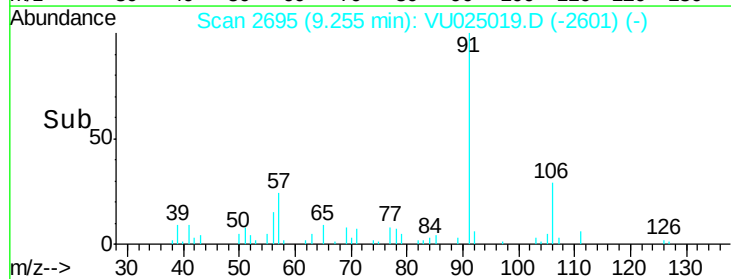
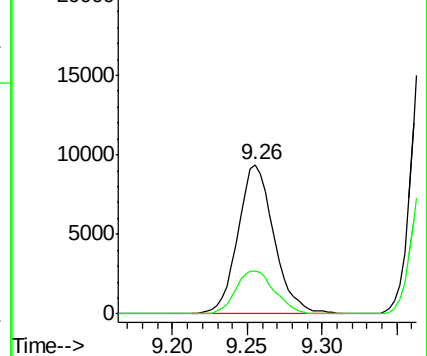
91 100

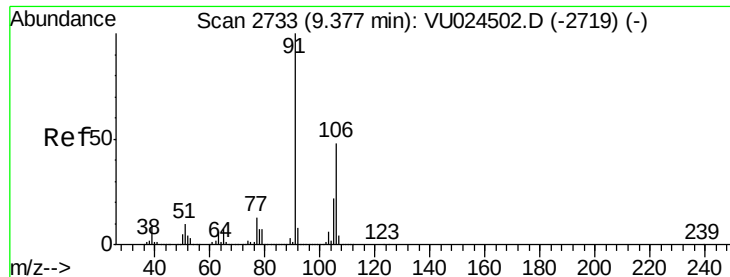
106 28.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V

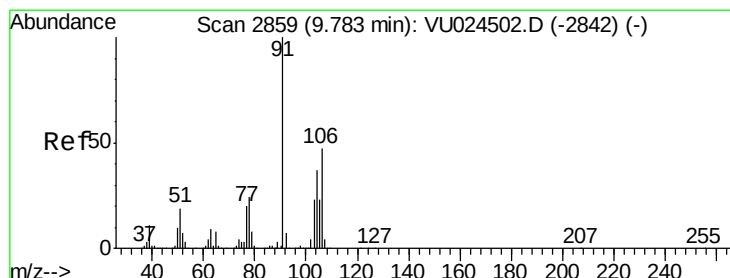
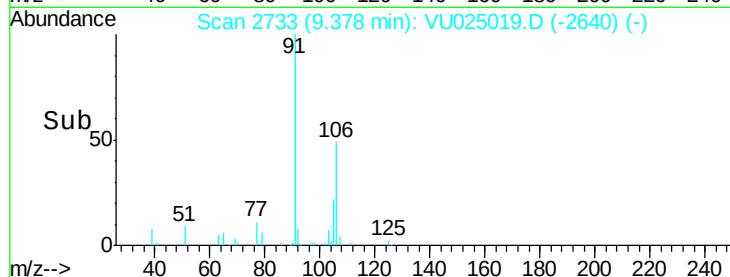
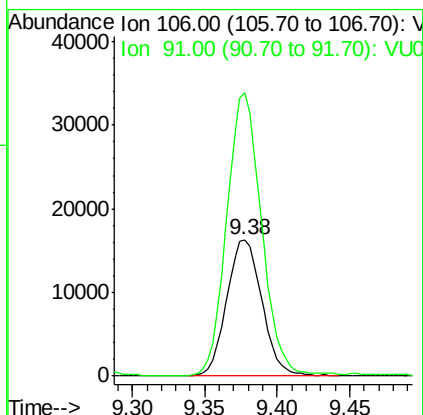
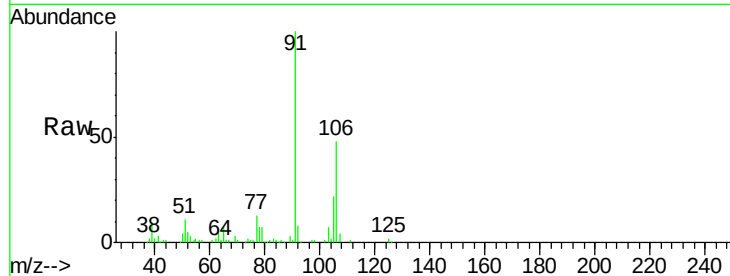




#68
m/p-Xylenes
Concen: 4.842 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025019.D
Acq: 28 Jun 2018 14:40

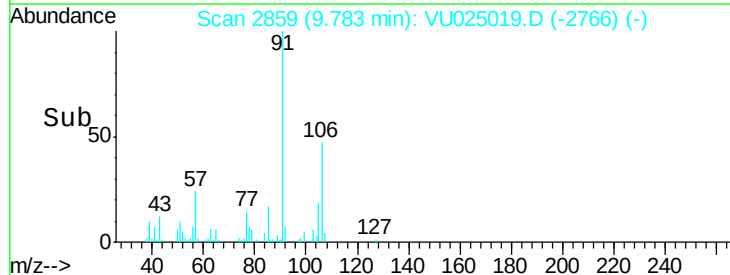
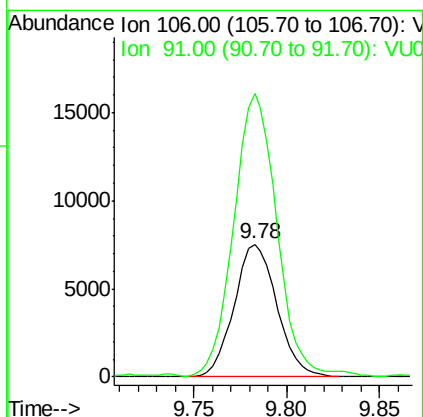
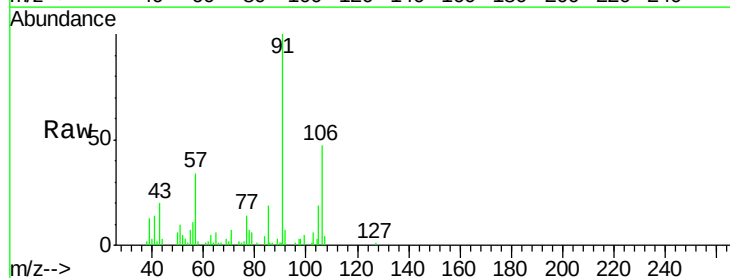
Instrument :
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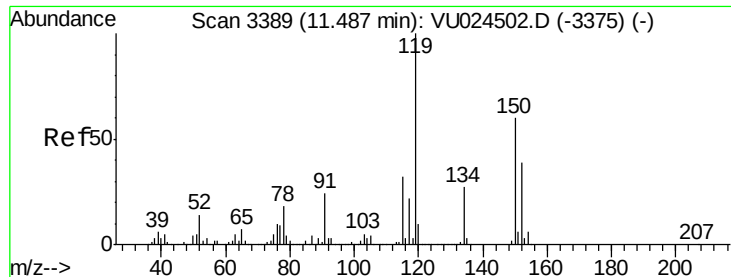
Tgt Ion:106 Resp: 27581
Ion Ratio Lower Upper
106 100
91 204.8 166.5 249.7



#69
o-Xylene
Concen: 2.144 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025019.D
Acq: 28 Jun 2018 14:40

Tgt Ion:106 Resp: 12087
Ion Ratio Lower Upper
106 100
91 215.9 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

WP021SB488-23-25-180622DL

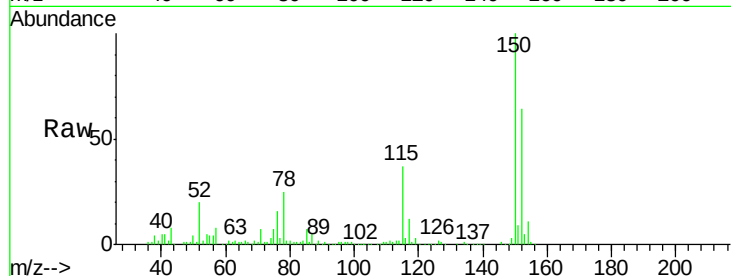
Tgt Ion:152 Resp: 211793

Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

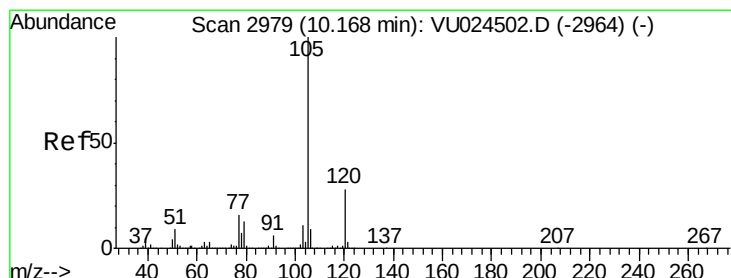
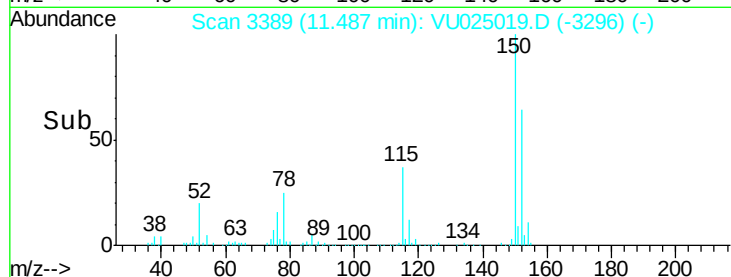
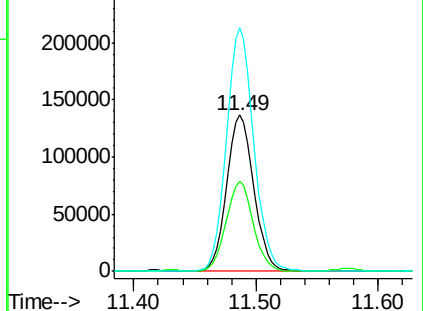
150 157.6 0.0 354.0



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: 0.514 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025019.D

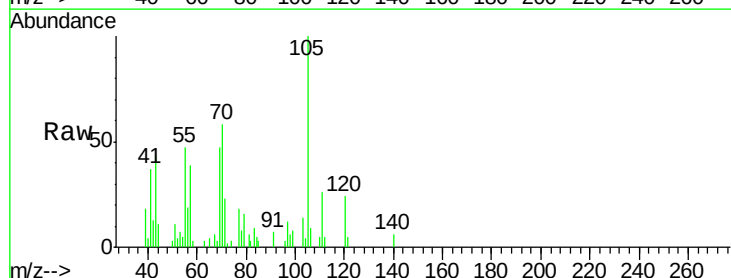
Acq: 28 Jun 2018 14:40

Tgt Ion:105 Resp: 8359

Ion Ratio Lower Upper

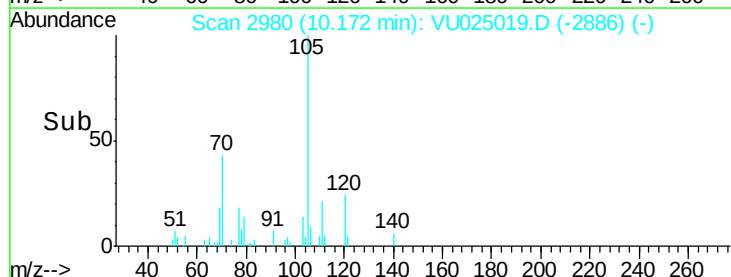
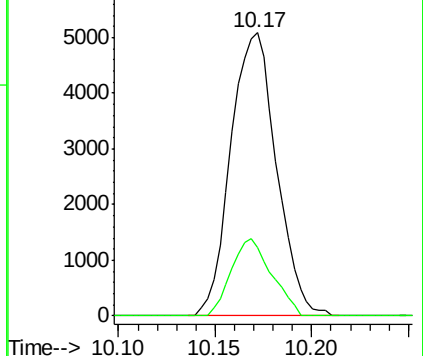
105 100

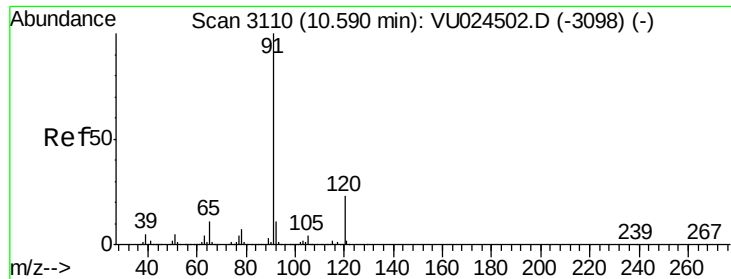
120 24.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.944 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Instrument :

MSVOA_U

ClientSampleId :

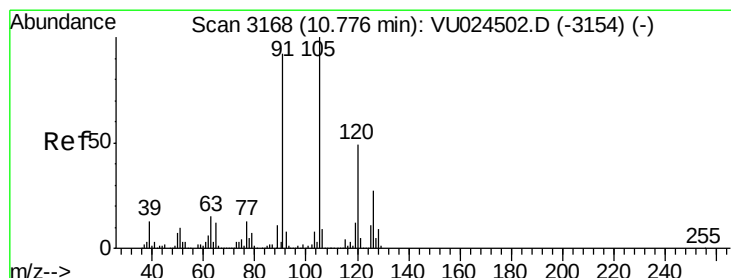
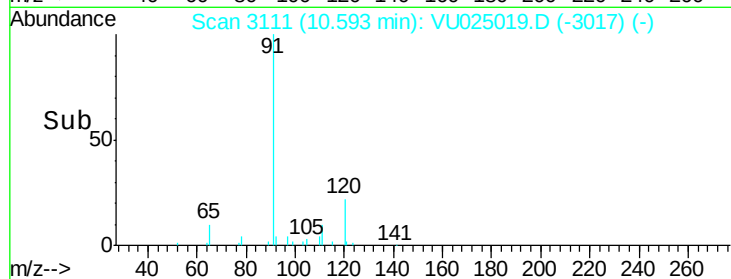
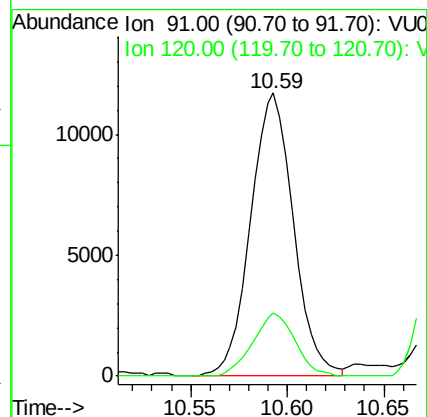
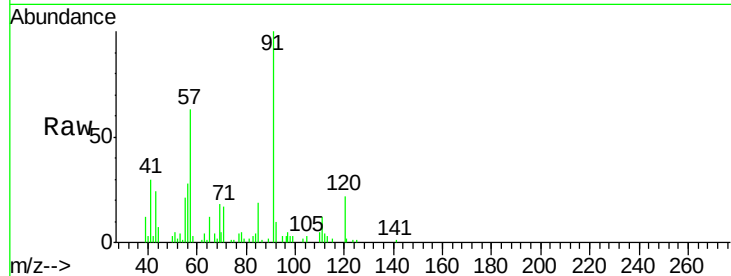
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Tgt Ion: 91 Resp: 18081

Ion Ratio Lower Upper

91 100

120 21.7 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 3.443 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025019.D

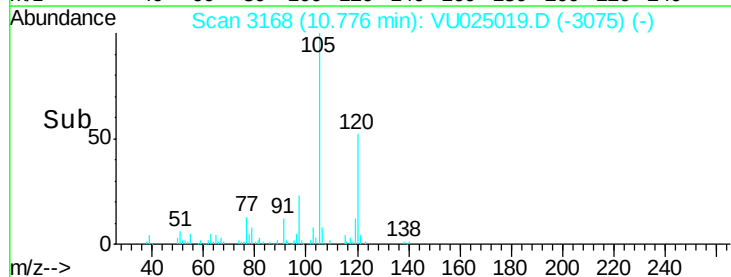
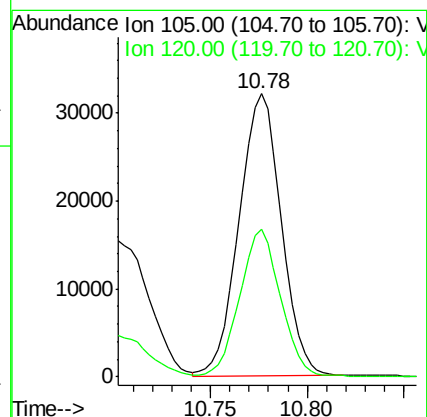
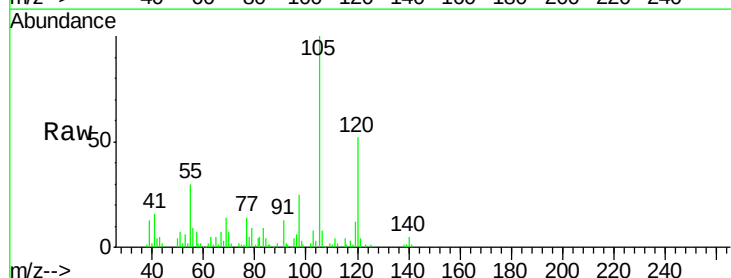
Acq: 28 Jun 2018 14:40

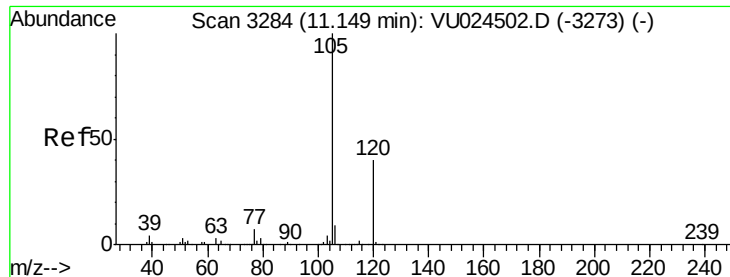
Tgt Ion: 105 Resp: 48522

Ion Ratio Lower Upper

105 100

120 51.1 24.1 72.2

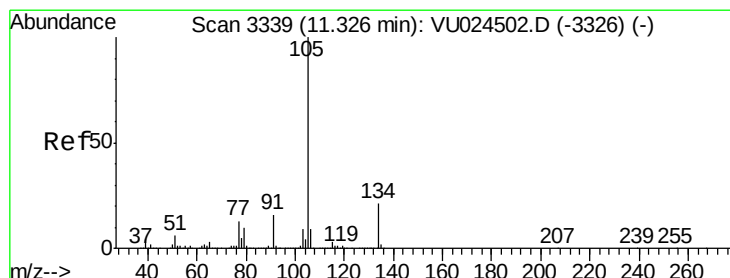
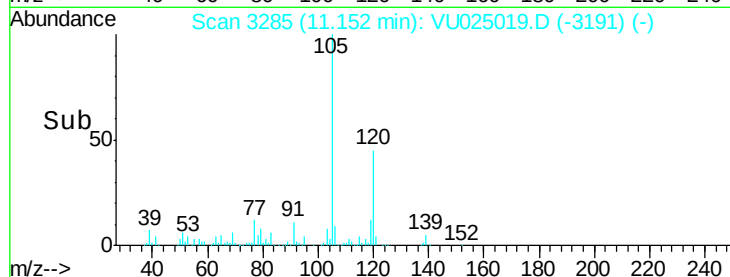
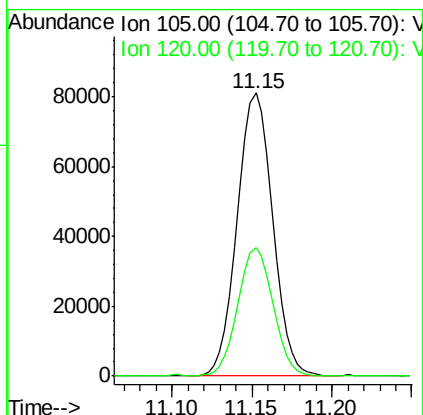
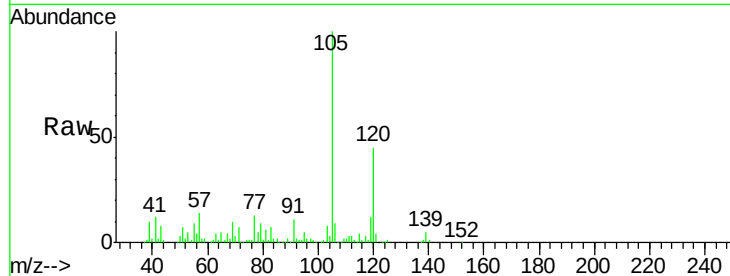




#84
 1,2,4-Trimethylbenzene
 Concen: 8.529 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

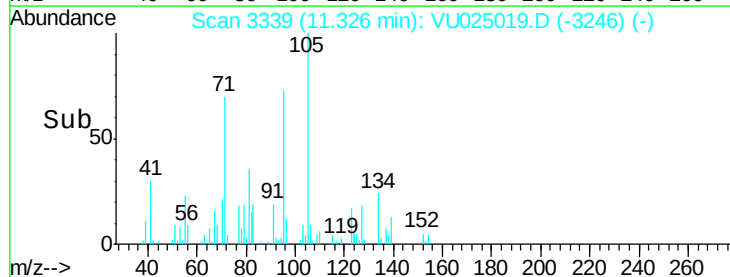
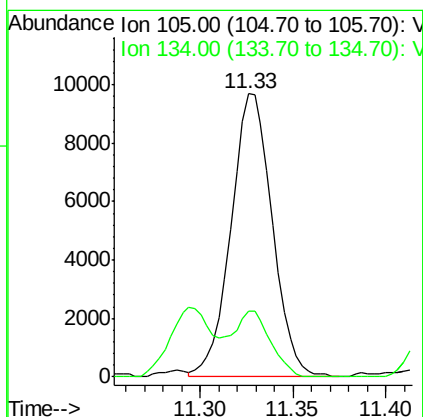
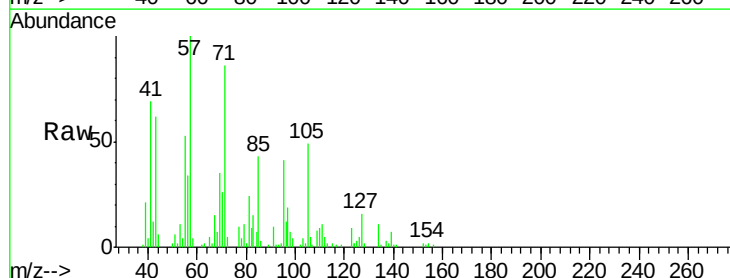
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB488-23-25-180622DL

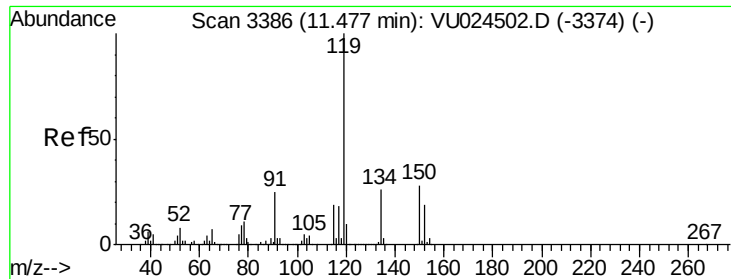
Tgt Ion:105 Resp: 122503
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.6 67.8



#85
 sec-Butylbenzene
 Concen: 0.882 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

Tgt Ion:105 Resp: 14973
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.7 29.1

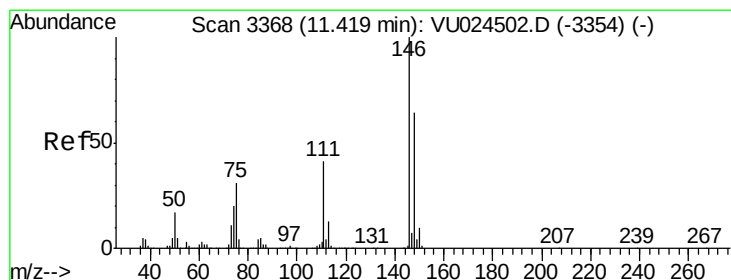
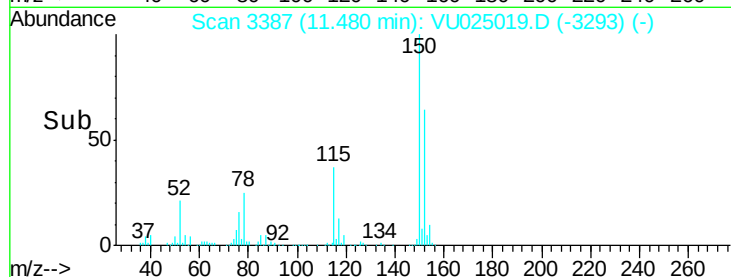
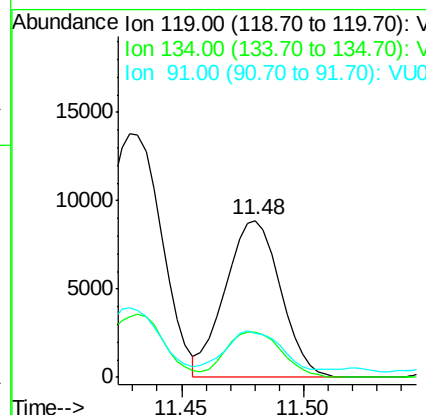
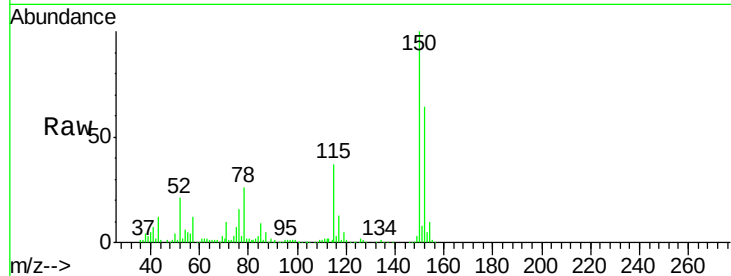




#86
 p-Isopropyltoluene
 Concen: 0.921 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

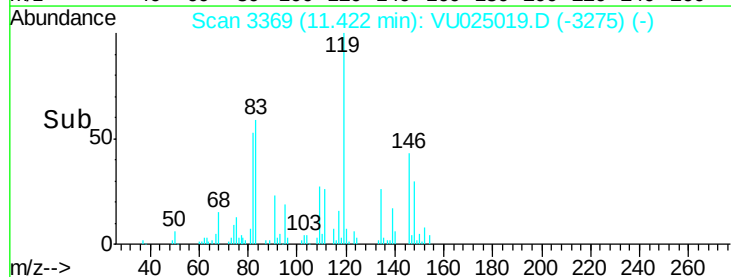
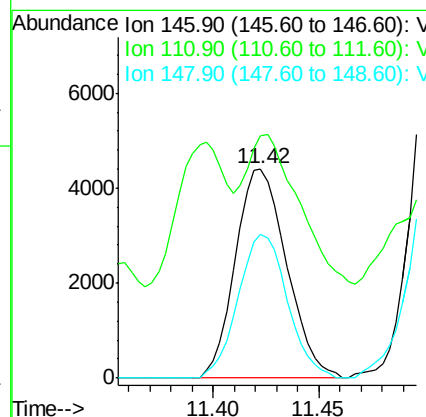
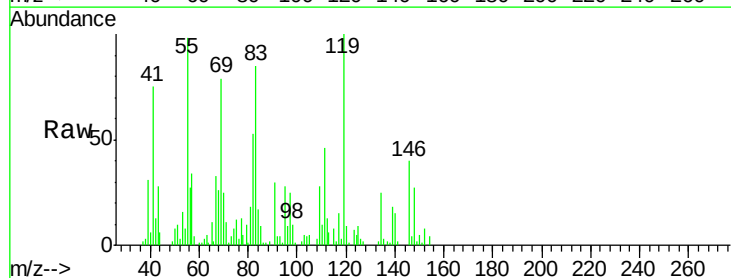
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB488-23-25-180622DL

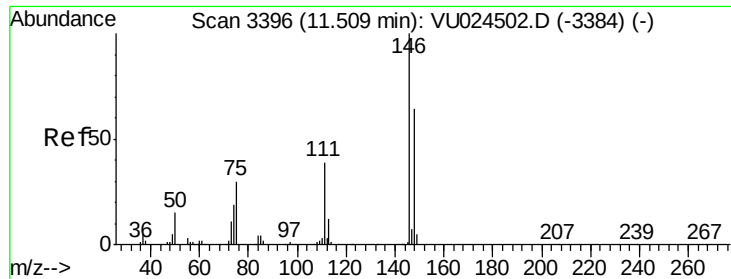
Tgt Ion:	119	Resp:	14003
Ion	Ratio	Lower	Upper
119	100		
134	29.5	12.9	38.6
91	24.1	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 0.978 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

Tgt Ion:	146	Resp:	7435
Ion	Ratio	Lower	Upper
146	100		
111	79.2	20.0	60.0#
148	66.1	32.1	96.5





#88

1,4-Dichlorobenzene

Concen: 2.780 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

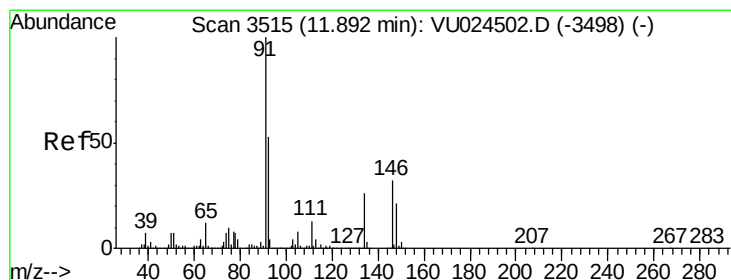
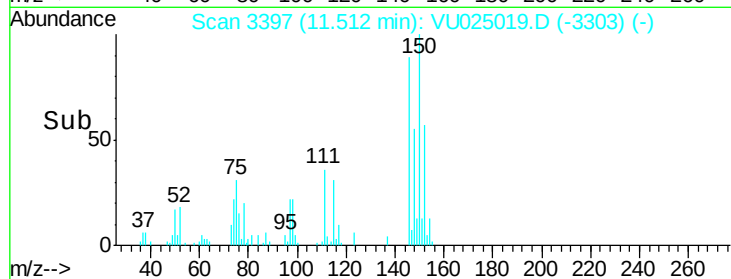
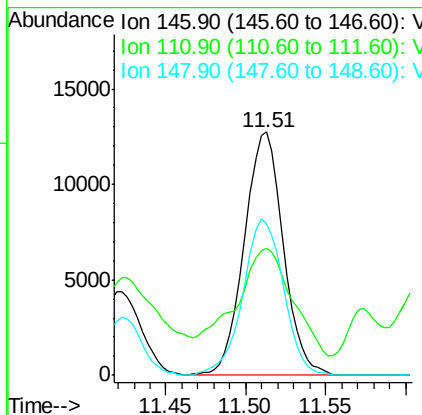
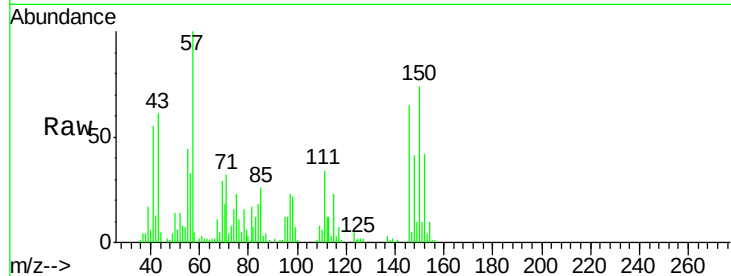
Instrument :

MSVOA_U

ClientSampleId :

WP021SB488-23-25-180622DL

Tgt Ion:	146	Resp:	21283
Ion Ratio	Lower	Upper	
146	100		
111	64.6	19.5	58.5#
148	66.7	32.4	97.0



#89

n-Butylbenzene

Concen: 2.342 ug/l

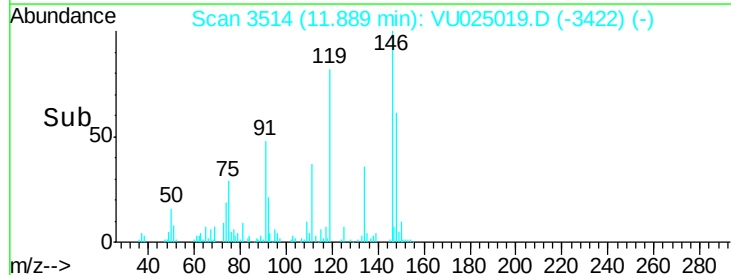
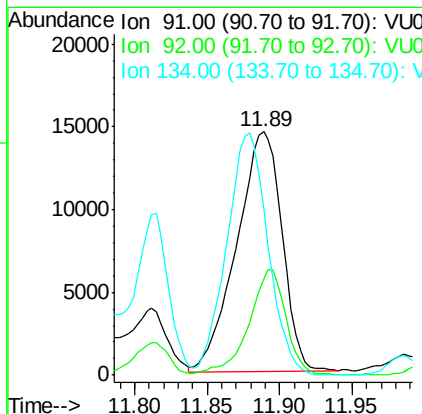
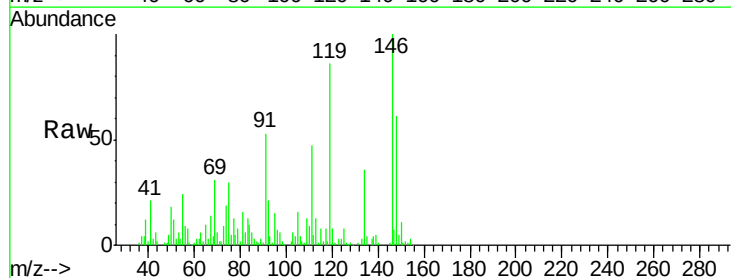
RT: 11.89 min Scan# 3514

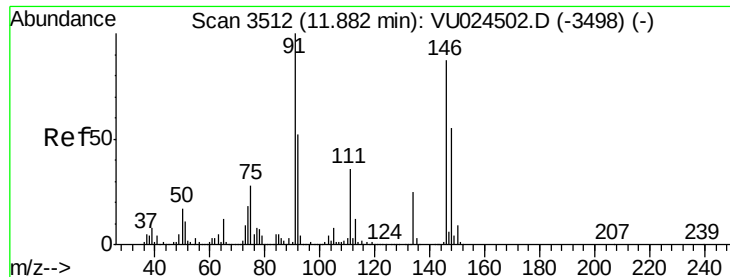
Delta R.T. -0.00 min

Lab File: VU025019.D

Acq: 28 Jun 2018 14:40

Tgt Ion:	91	Resp:	31602
Ion Ratio	Lower	Upper	
91	100		
92	36.2	25.6	76.8
134	91.6	12.3	36.8#

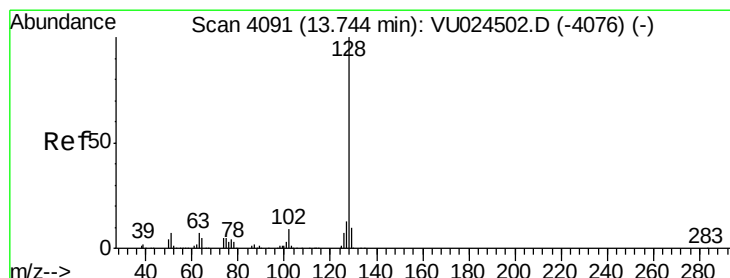
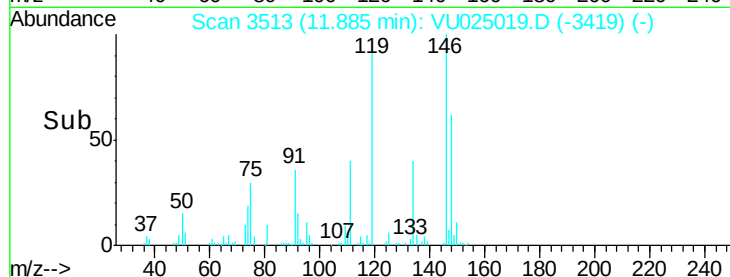
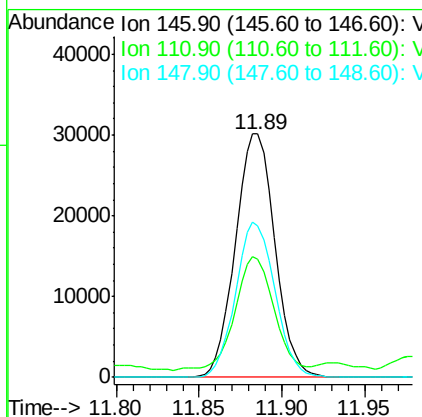
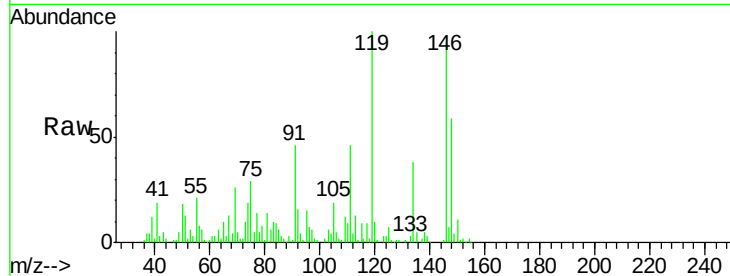




#91
 1,2-Dichlorobenzene
 Concen: 6.553 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB488-23-25-180622DL

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.5	61.6
148	63.6	31.9	95.7



#95
 Naphthalene
 Concen: 7.844 ug/l
 RT: 13.75 min Scan# 4092
 Delta R.T. 0.00 min
 Lab File: VU025019.D
 Acq: 28 Jun 2018 14:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	16.0
129	11.7	8.6	12.8

