

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062718\
 Data File : VU024993.D
 Acq On : 28 Jun 2018 02:33
 Operator : MD/SY
 Sample : J3670-14ME 10X
 Misc : 4.87g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

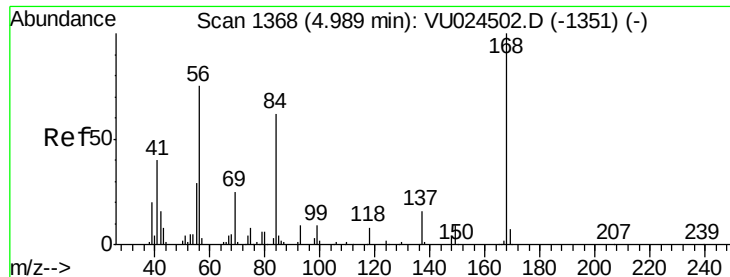
Quant Time: Jun 28 06:54:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	220523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	332431	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	305682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175144	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	164188	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
35) Dibromofluoromethane	4.89	113	127940	46.37	ug/l	0.00
Spiked Amount			Recovery	=	92.74%	
50) Toluene-d8	7.57	98	477497	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	10.31	95	184667	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
27) cis-1,2-Dichloroethene	4.24	96	1201	0.38	ug/l	82
39) Methylcyclohexane	6.42	83	2593	0.53	ug/l	92
40) Benzene	5.40	78	4662	0.42	ug/l	93
52) Toluene	7.64	92	3245	0.45	ug/l	99
65) Chlorobenzene	9.12	112	61187	7.84	ug/l	96
67) Ethyl Benzene	9.26	91	6314	0.46	ug/l	97
68) m/p-Xylenes	9.38	106	6417	1.22	ug/l	99
69) o-Xylene	9.79	106	1312	0.25	ug/l	88
73) Isopropylbenzene	10.17	105	5276	0.39	ug/l	98
78) n-propylbenzene	10.59	91	12596	0.80	ug/l	96
80) 1,3,5-Trimethylbenzene	10.78	105	38477	3.30	ug/l	99
83) tert-Butylbenzene	11.11	119	3624	0.32	ug/l	86
84) 1,2,4-Trimethylbenzene	11.15	105	95728	8.06	ug/l	100
85) sec-Butylbenzene	11.33	105	8838	0.63	ug/l	95
86) p-Isopropyltoluene	11.48	119	8200	0.65	ug/l	93
87) 1,3-Dichlorobenzene	11.42	146	5938	0.94	ug/l	90
88) 1,4-Dichlorobenzene	11.51	146	22212	3.51	ug/l	95
89) n-Butylbenzene	11.89	91	10433	0.93	ug/l #	28
91) 1,2-Dichlorobenzene	11.89	146	31282	4.97	ug/l	97
95) Naphthalene	13.75	128	22257	2.38	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024993.D

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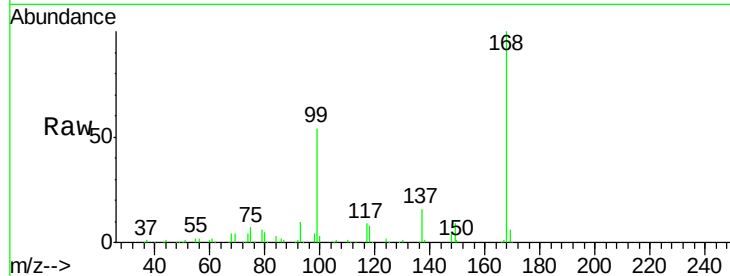
WP021SB477-25-27-180621ME

Tot Ion:168 Resp: 220523

Ion Ratio Lower Upper

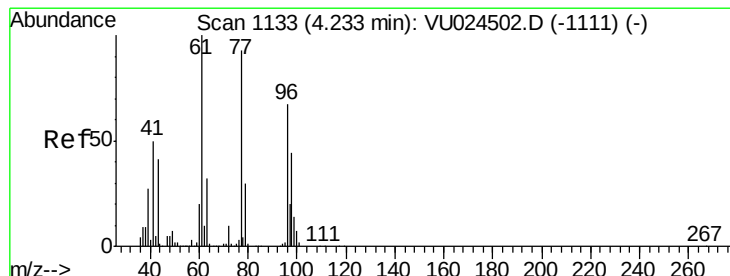
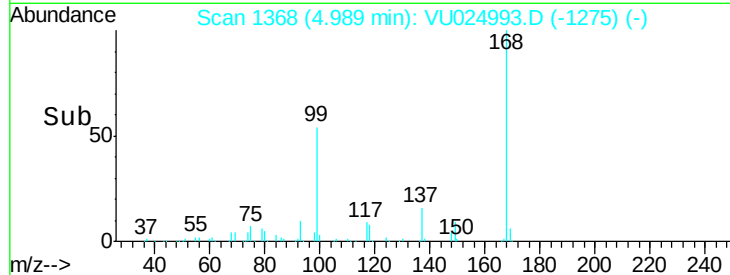
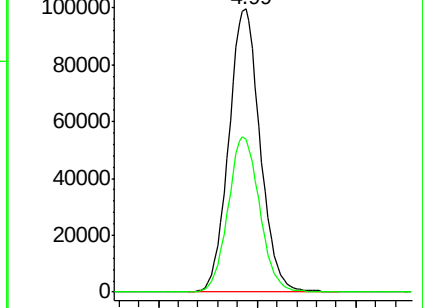
168 100

99 54.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 0.38 ug/l

RT: 4.24 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

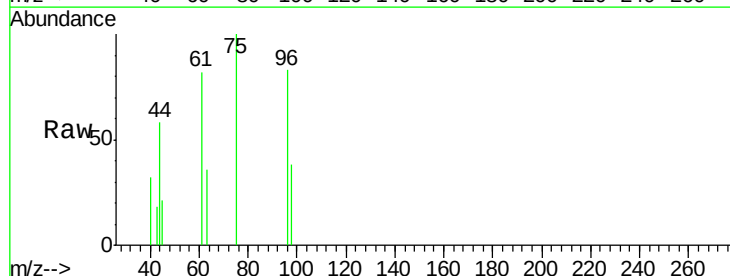
Tgt Ion: 96 Resp: 1201

Ion Ratio Lower Upper

96 100

61 136.8 0.0 306.6

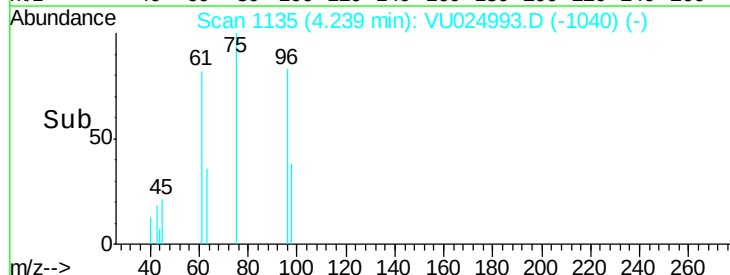
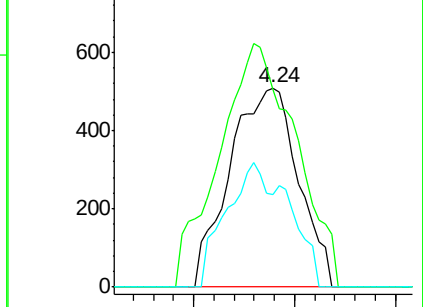
98 39.8 0.0 128.8

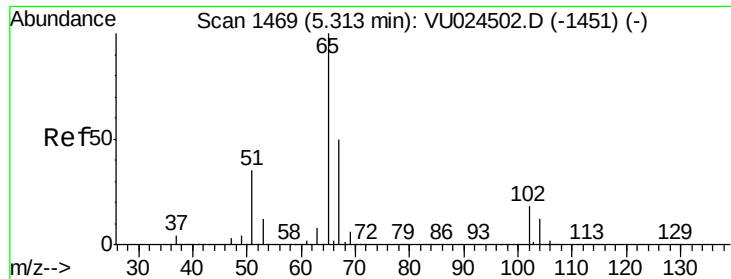


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

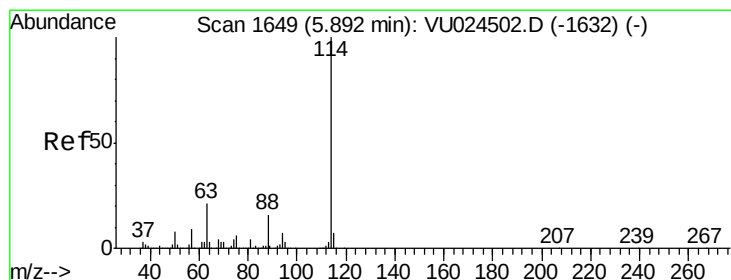
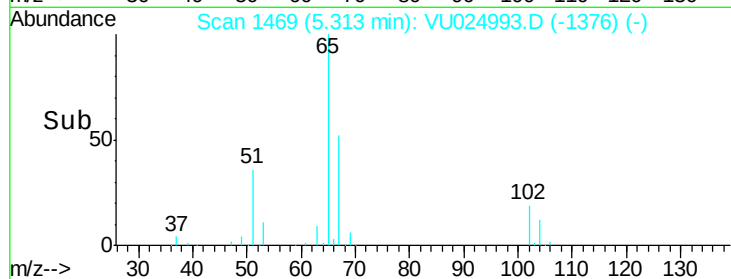
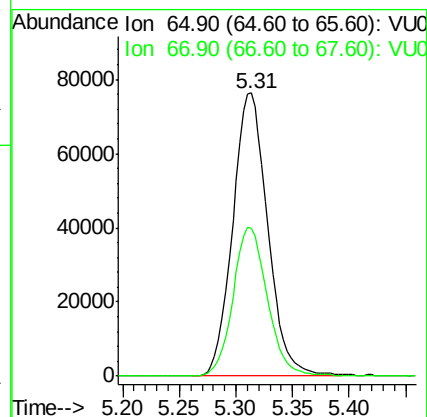
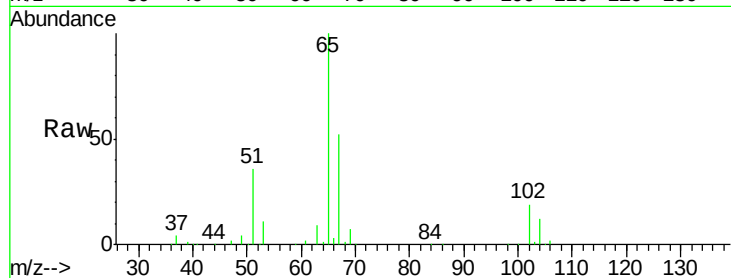




#33
 1,2-Dichloroethane-d4
 Concen: 45.61 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

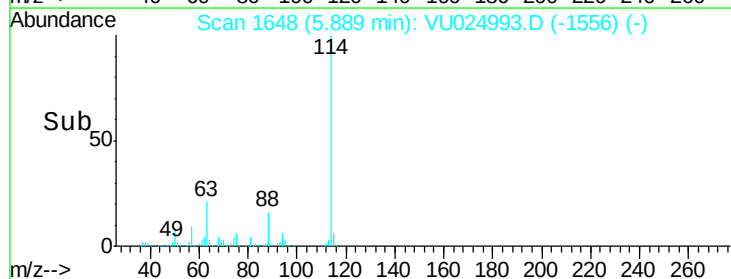
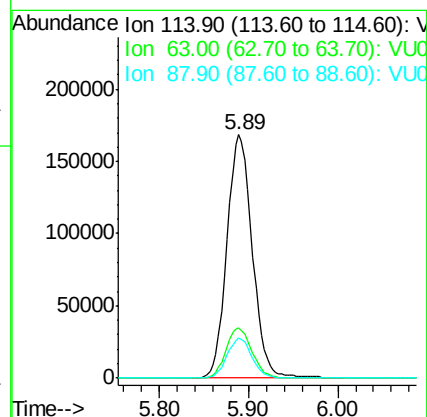
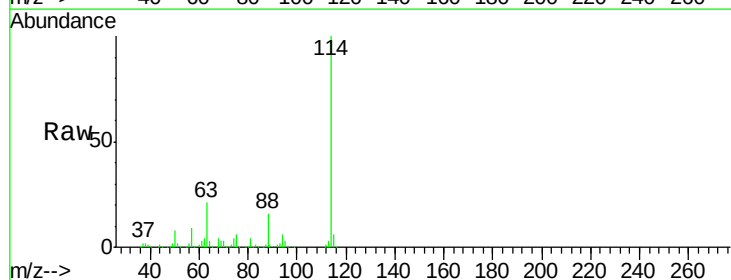
Instrument :
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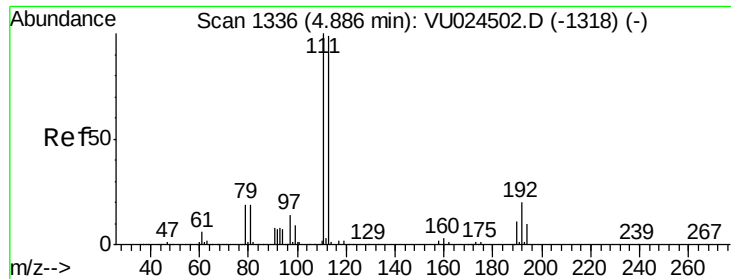
Tot Ion: 65 Resp: 164188
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

Tgt Ion: 114 Resp: 332431
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.2 0.0 31.0

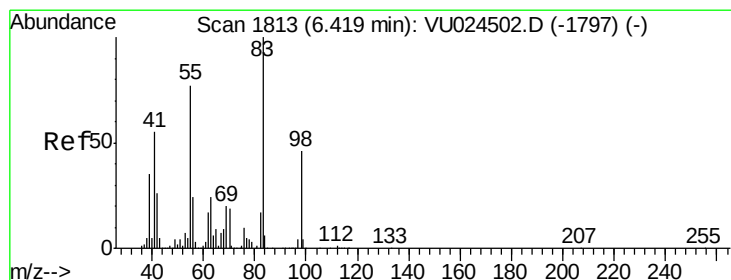
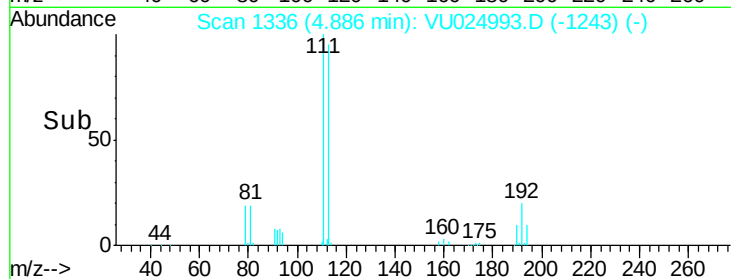
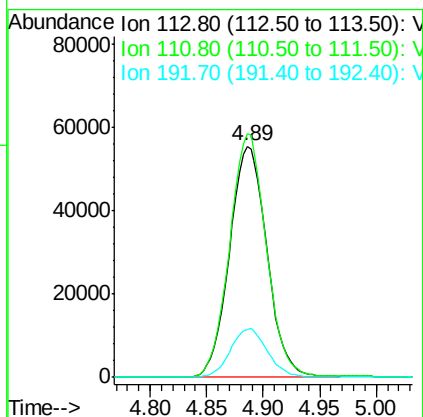
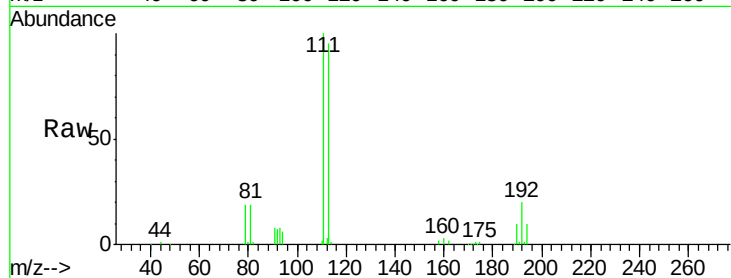




#35
 Dibromofluoromethane
 Concen: 46.37 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

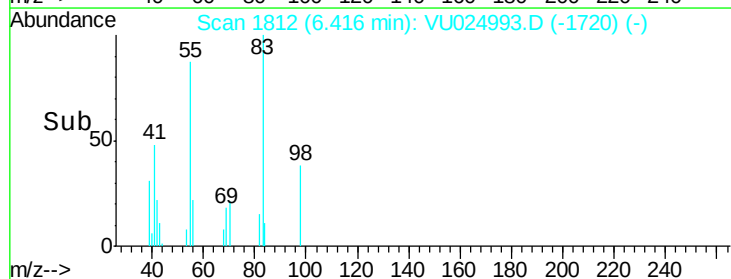
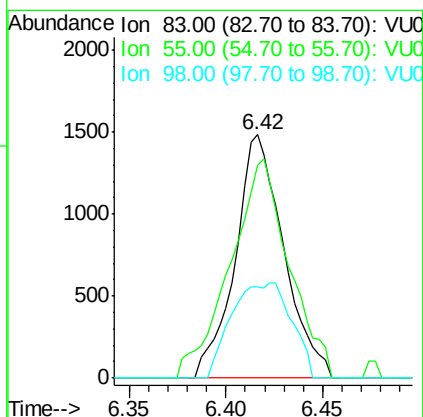
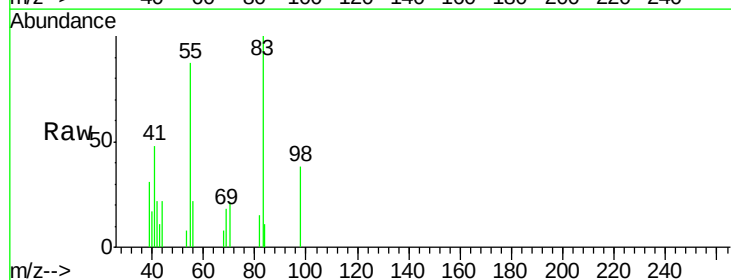
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

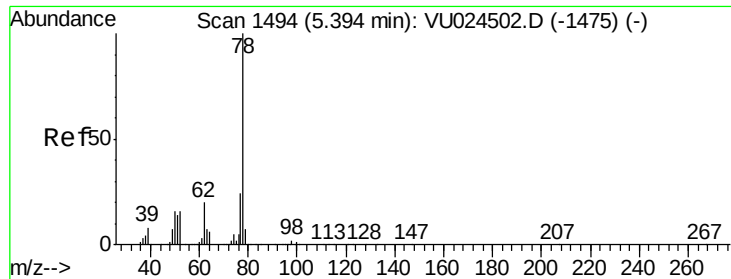
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	20.7	16.2	24.4



#39
 Methylcyclohexane
 Concen: 0.53 ug/l
 RT: 6.42 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.3	65.8	98.6
98	37.5	36.7	55.1





#40

Benzene

Concen: 0.42 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

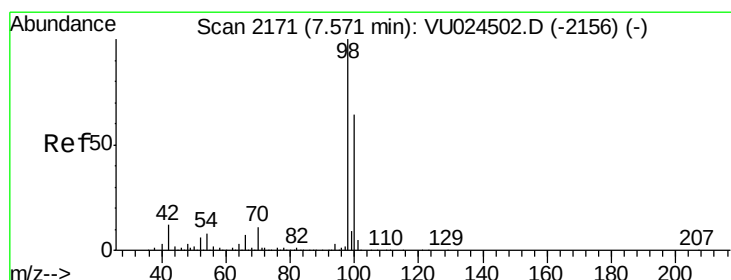
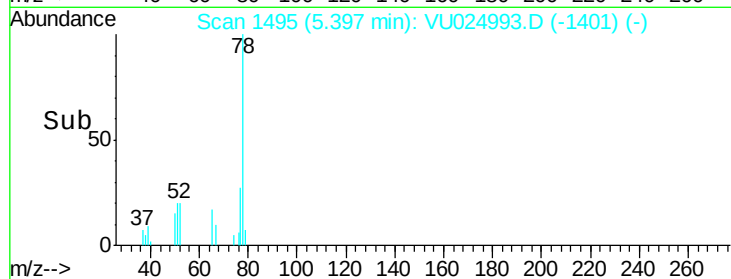
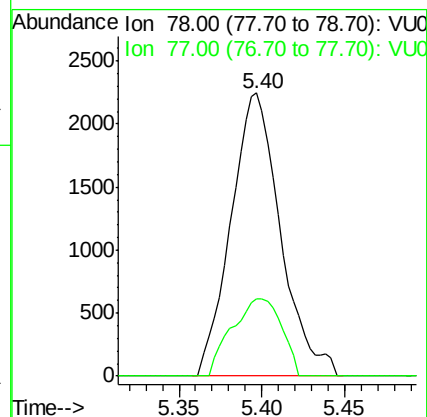
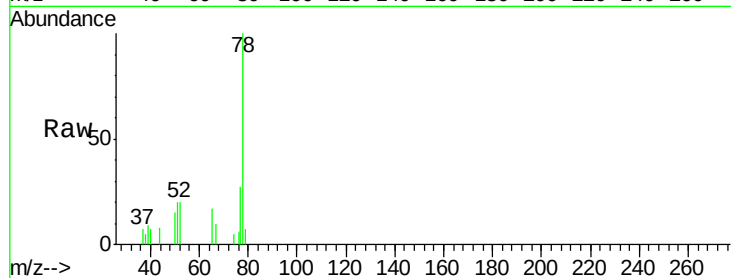
WP021SB477-25-27-180621ME

Tot Ion: 78 Resp: 4662

Ion Ratio Lower Upper

78 100

77 27.3 19.2 28.8



#50

Toluene-d8

Concen: 47.45 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024993.D

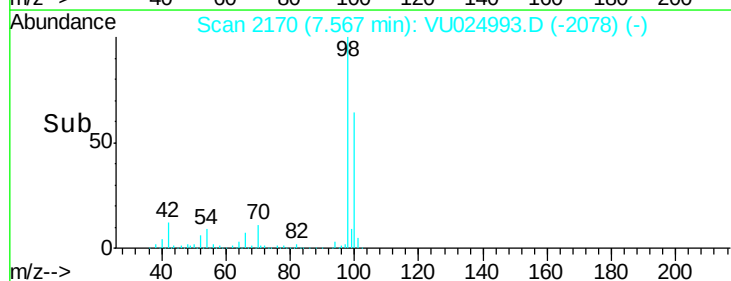
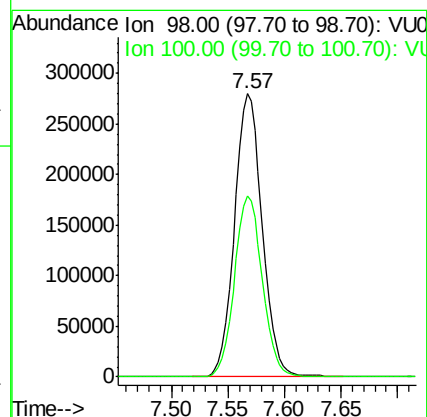
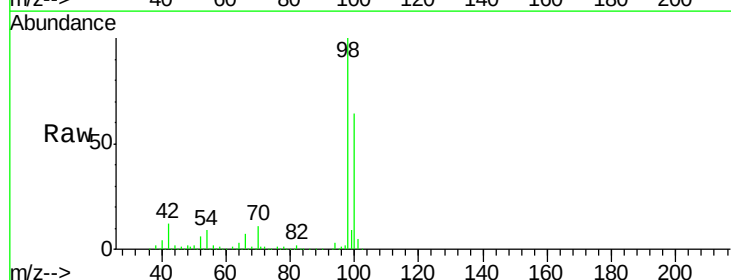
Acq: 28 Jun 2018 02:33

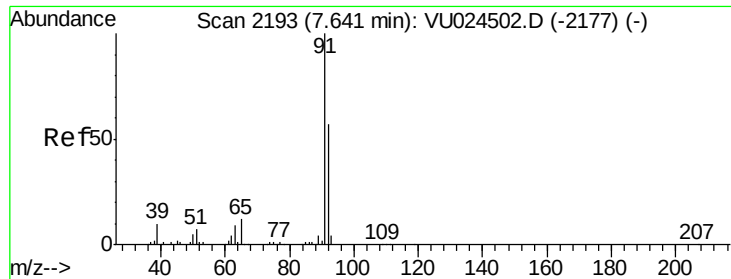
Tgt Ion: 98 Resp: 477497

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7





#52

Toluene

Concen: 0.45 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

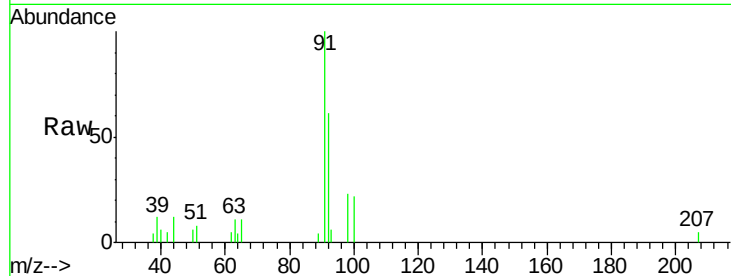
WP021SB477-25-27-180621ME

Tot Ion: 92 Resp: 3245

Ion Ratio Lower Upper

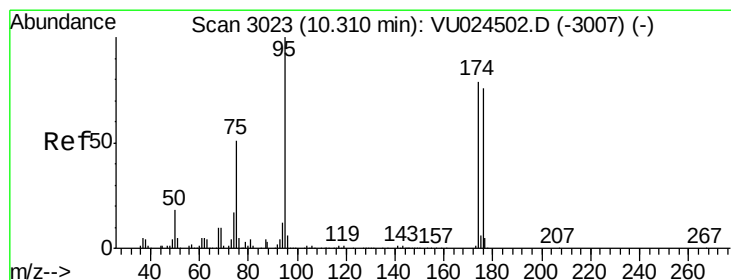
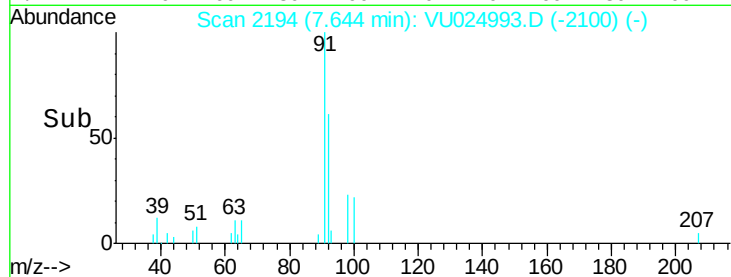
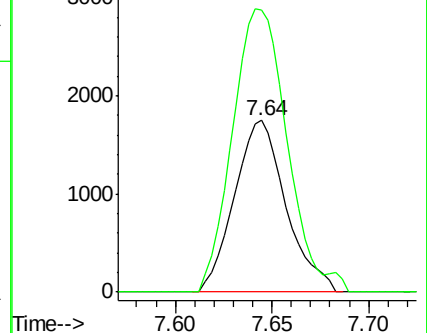
92 100

91 174.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 46.22 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

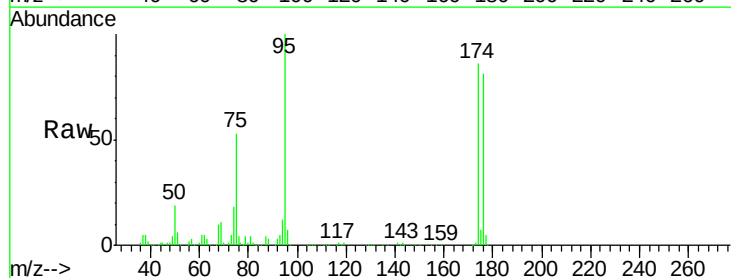
Tgt Ion: 95 Resp: 184667

Ion Ratio Lower Upper

95 100

174 83.5 0.0 165.8

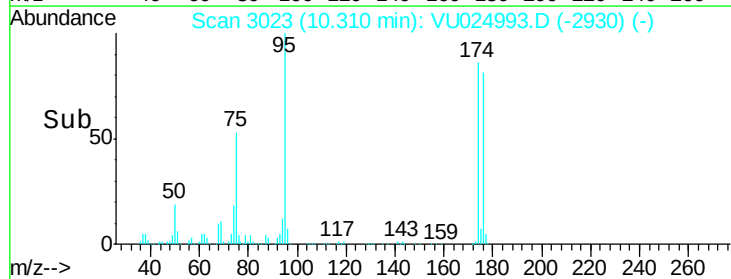
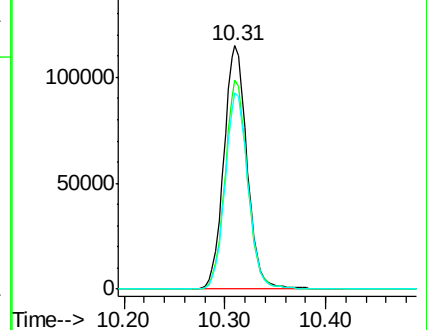
176 79.9 0.0 159.4

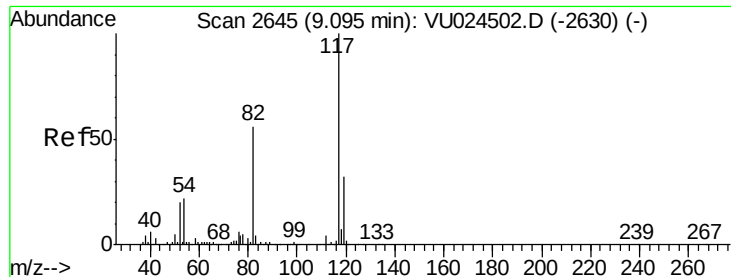


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

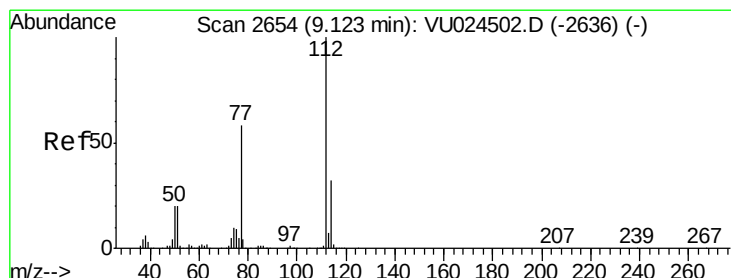
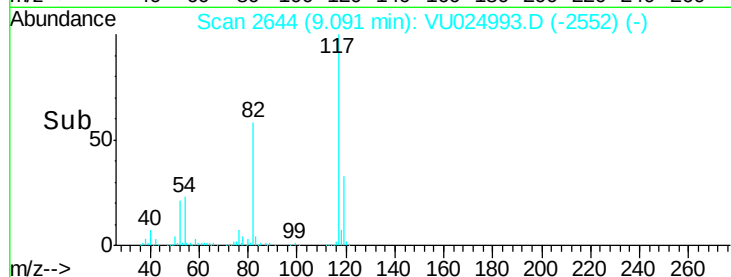
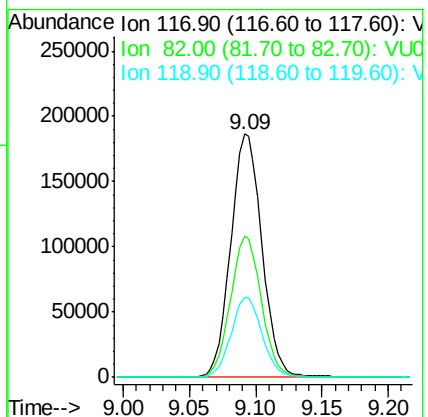
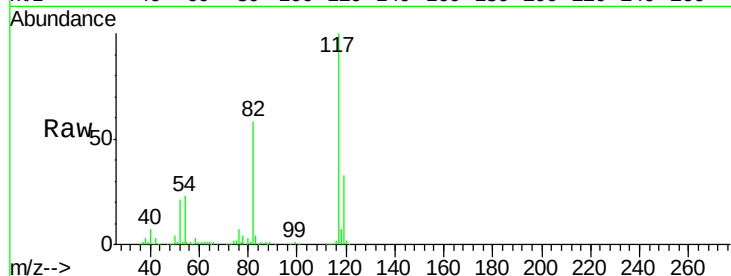




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024993.D
Acq: 28 Jun 2018 02:33

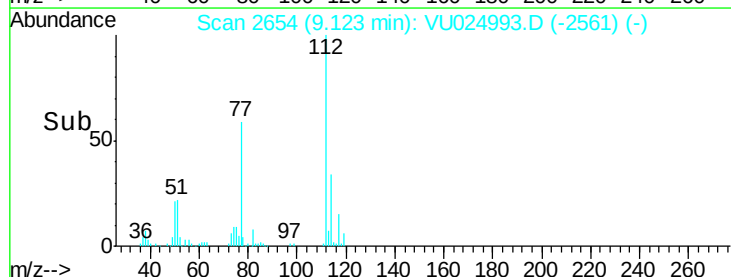
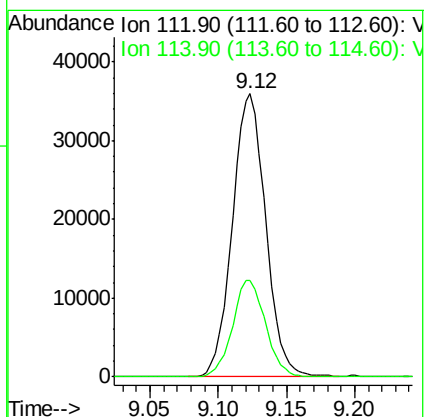
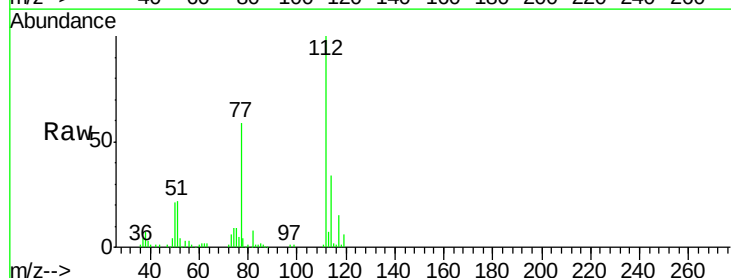
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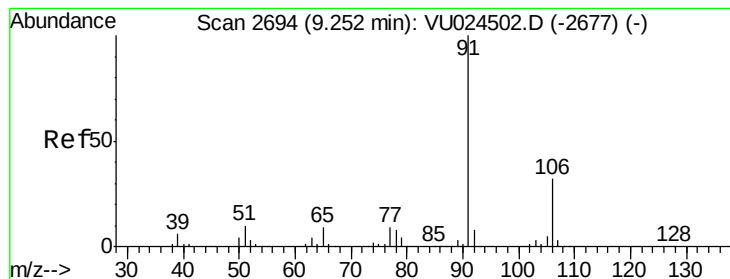
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.3	66.5
119	32.9	25.4	38.2



#65
Chlorobenzene
Concen: 7.84 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024993.D
Acq: 28 Jun 2018 02:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.2	25.6	38.4





#67

Ethyl Benzene

Concen: 0.46 ug/l

RT: 9.26 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

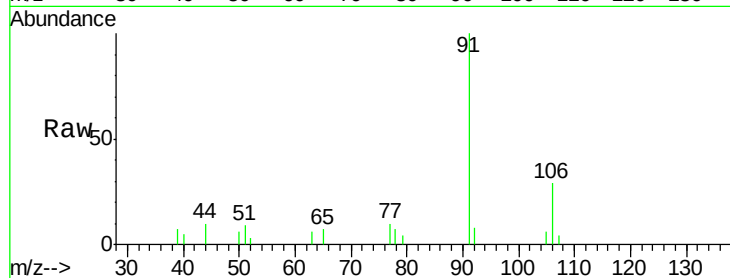
WP021SB477-25-27-180621ME

Tot Ion: 91 Resp: 6314

Ion Ratio Lower Upper

91 100

106 28.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-2677) (-)

Ion 106.00 (105.70 to 106.70): VU024502.D (-2677) (-)

9.26

4000

3000

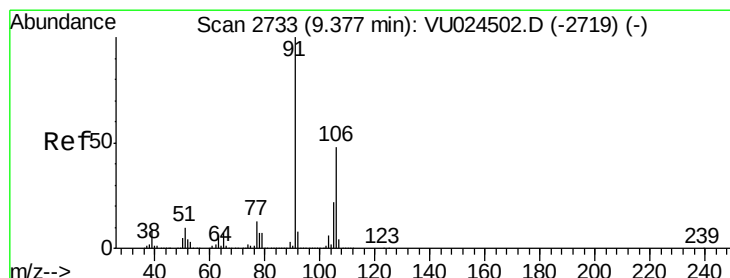
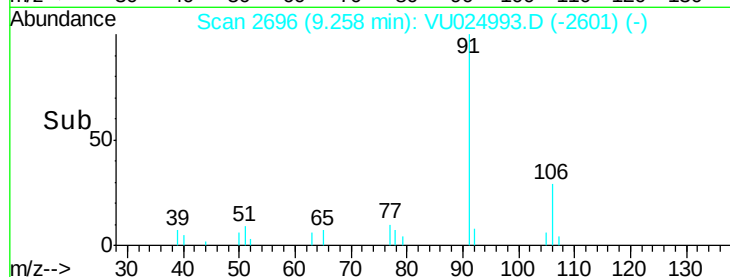
2000

1000

0

Time-->

9.20 9.25 9.30



#68

m/p-Xylenes

Concen: 1.22 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024993.D

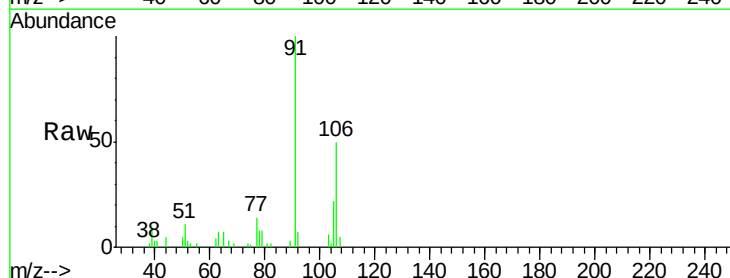
Acq: 28 Jun 2018 02:33

Tgt Ion: 106 Resp: 6417

Ion Ratio Lower Upper

106 100

91 206.9 166.5 249.7



Abundance Ion 106.00 (105.70 to 106.70): VU024502.D (-2719) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2719) (-)

9.38

8000

6000

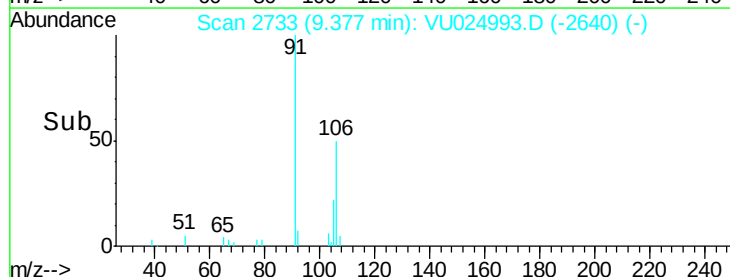
4000

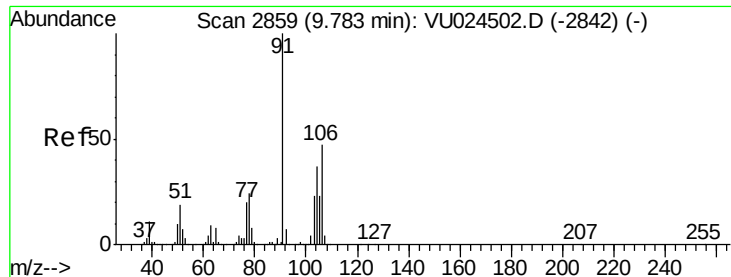
2000

0

Time-->

9.35 9.40 9.45

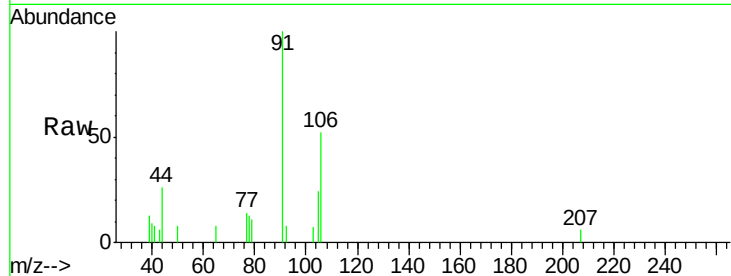




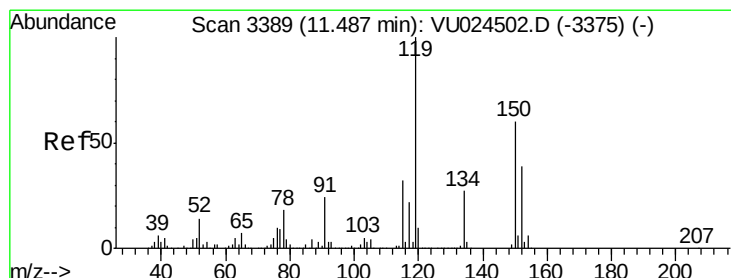
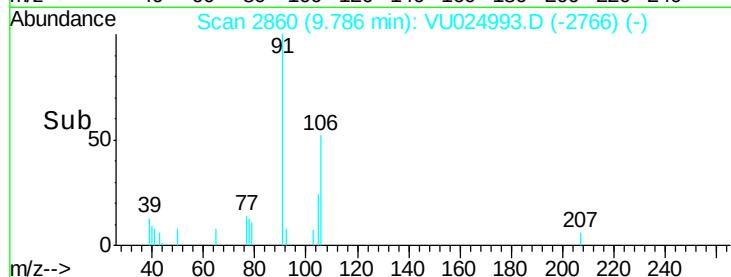
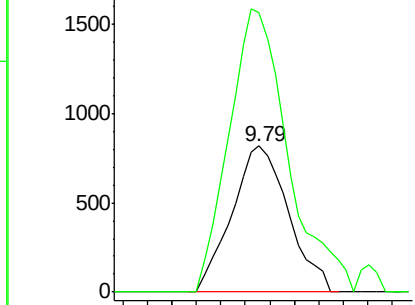
#69
o-Xylene
Concen: 0.25 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU024993.D
Acq: 28 Jun 2018 02:33

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-25-27-180621ME

Tot Ion:106 Resp: 1312
Ion Ratio Lower Upper
106 100
91 202.1 110.7 331.9

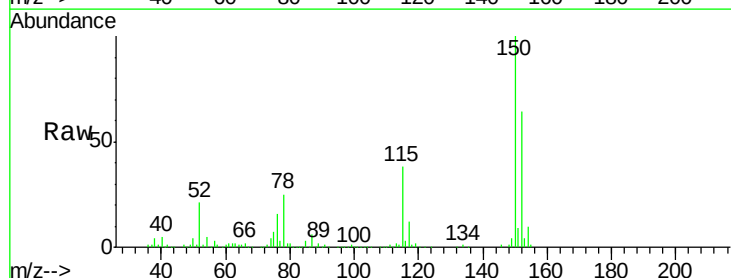


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

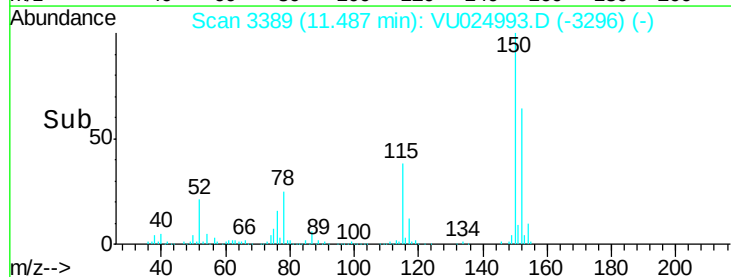
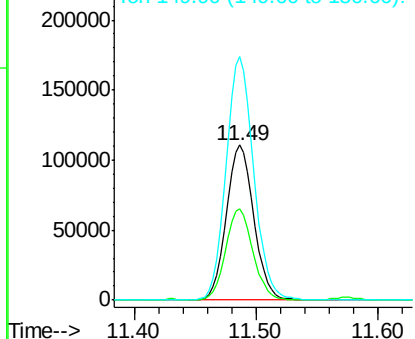


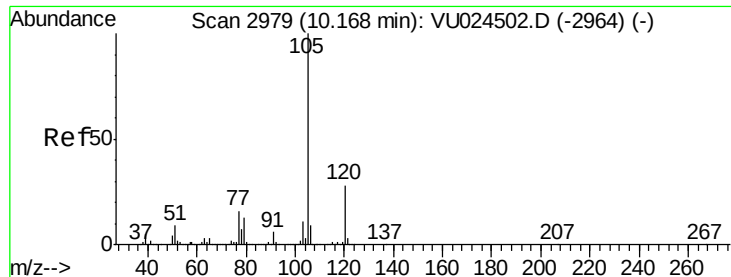
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024993.D
Acq: 28 Jun 2018 02:33

Tgt Ion:152 Resp: 175144
Ion Ratio Lower Upper
152 100
115 58.4 43.0 129.0
150 157.7 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: 0.39 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

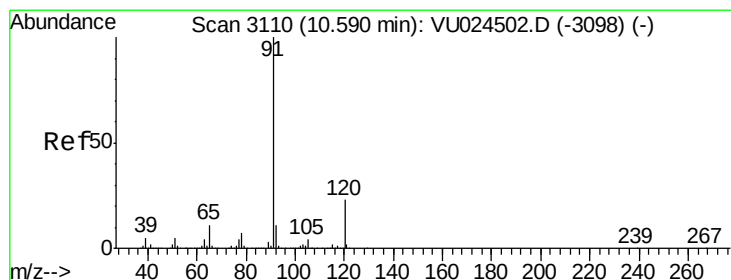
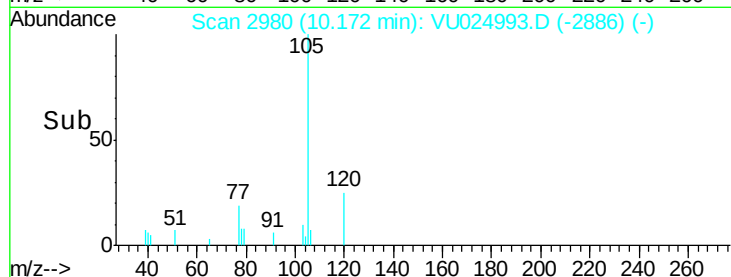
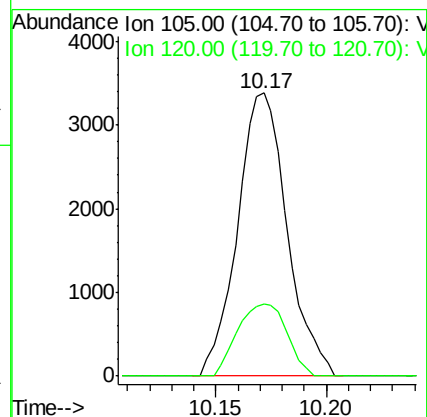
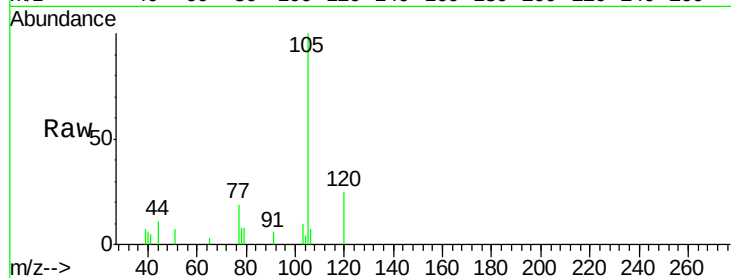
WP021SB477-25-27-180621ME

Tot Ion:105 Resp: 5276

Ion Ratio Lower Upper

105 100

120 25.5 13.2 39.6



#78

n-propylbenzene

Concen: 0.80 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU024993.D

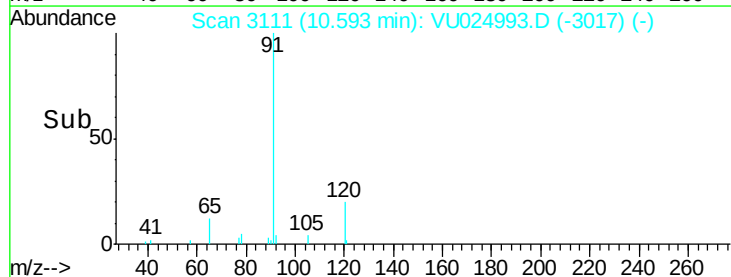
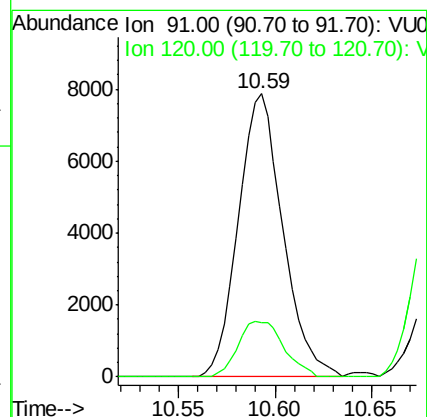
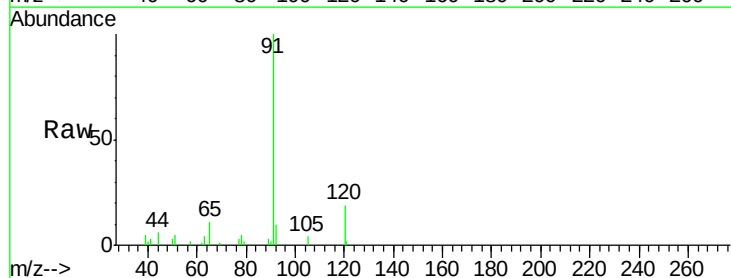
Acq: 28 Jun 2018 02:33

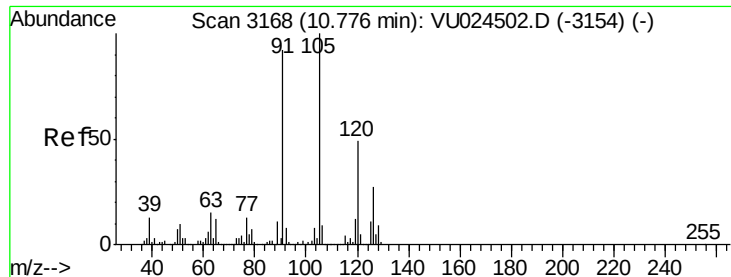
Tgt Ion: 91 Resp: 12596

Ion Ratio Lower Upper

91 100

120 20.2 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 3.30 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument:

MSVOA_U

ClientSampleId:

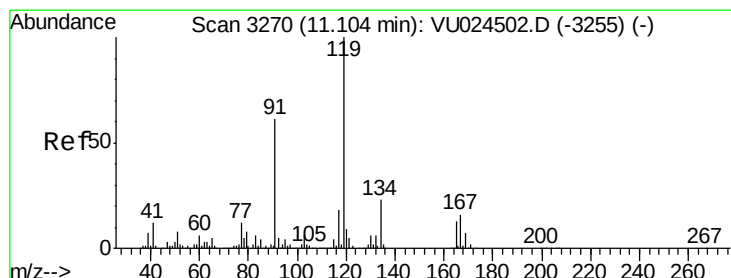
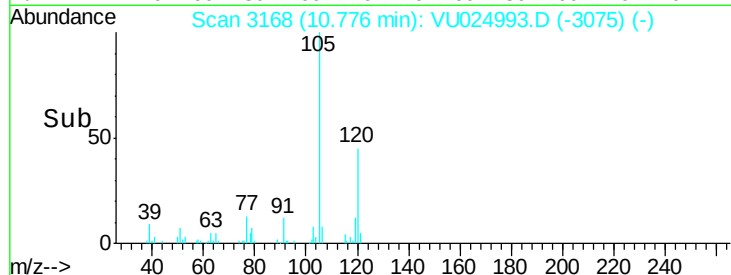
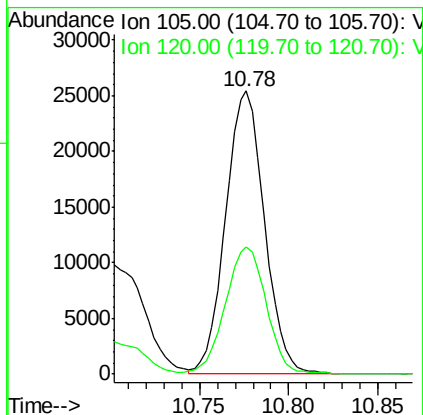
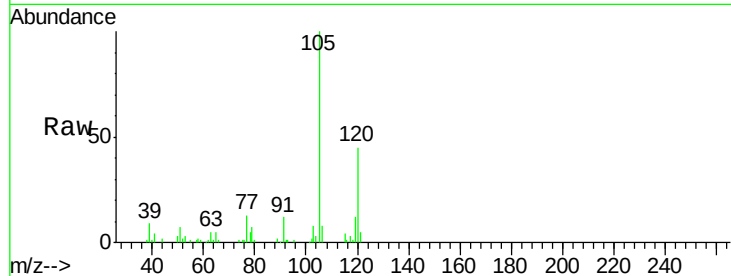
WP021SB477-25-27-180621ME

Tot Ion:105 Resp: 38477

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.2



#83

tert-Butylbenzene

Concen: 0.32 ug/l

RT: 11.11 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

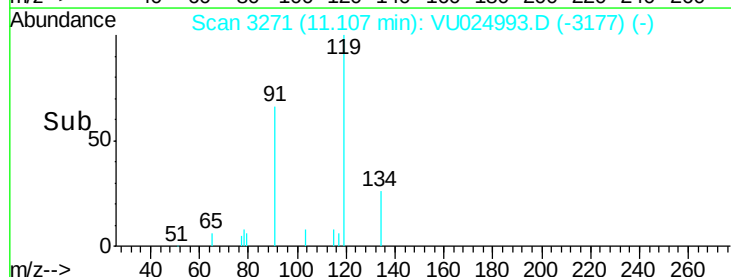
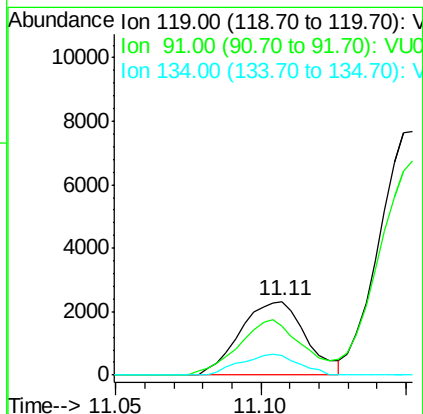
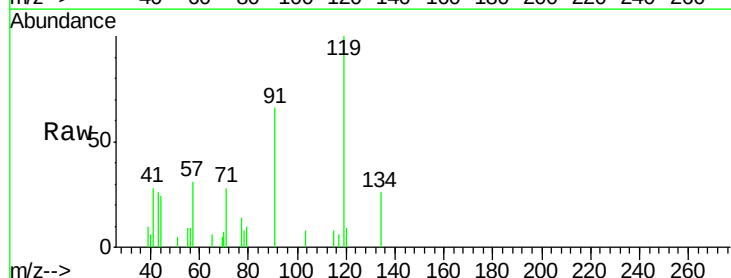
Tgt Ion:119 Resp: 3624

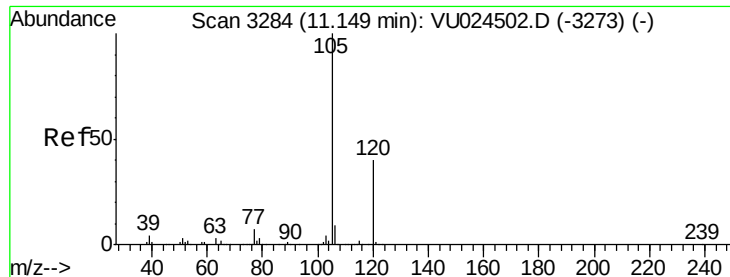
Ion Ratio Lower Upper

119 100

91 72.5 29.7 89.1

134 25.0 11.6 34.7





#84

1,2,4-Trimethylbenzene

Concen: 8.06 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

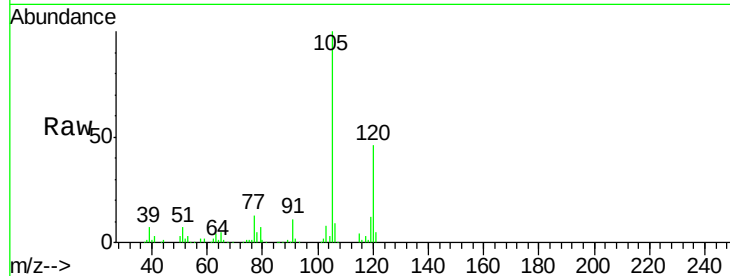
WP021SB477-25-27-180621ME

Tot Ion:105 Resp: 95728

Ion Ratio Lower Upper

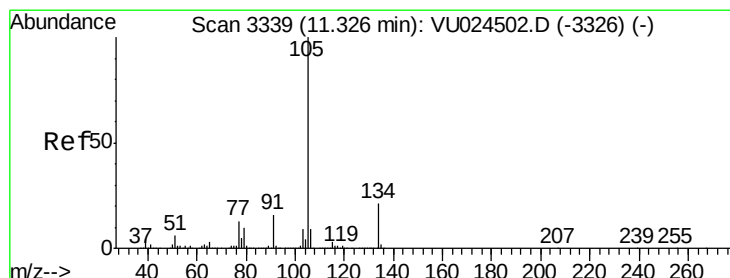
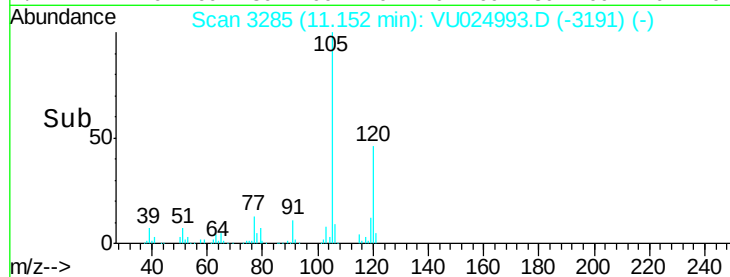
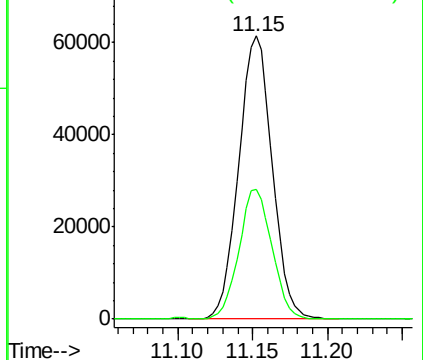
105 100

120 45.3 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: 0.63 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024993.D

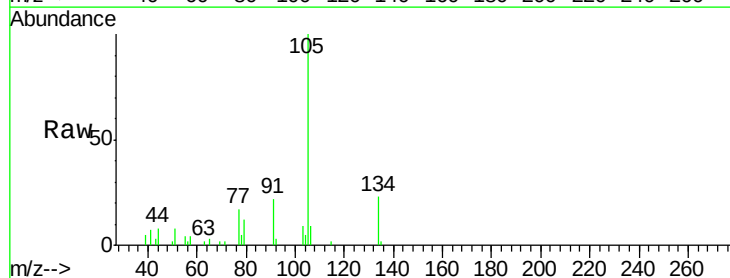
Acq: 28 Jun 2018 02:33

Tgt Ion:105 Resp: 8838

Ion Ratio Lower Upper

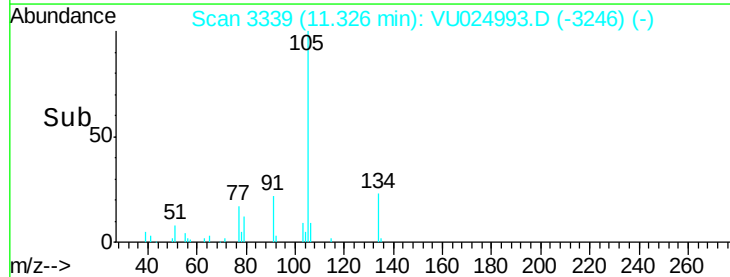
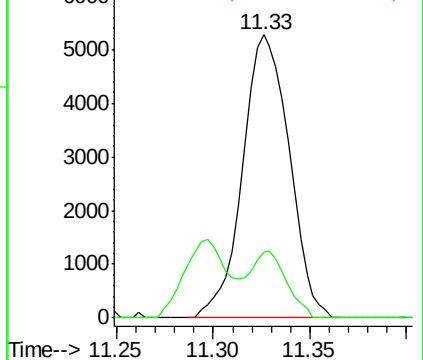
105 100

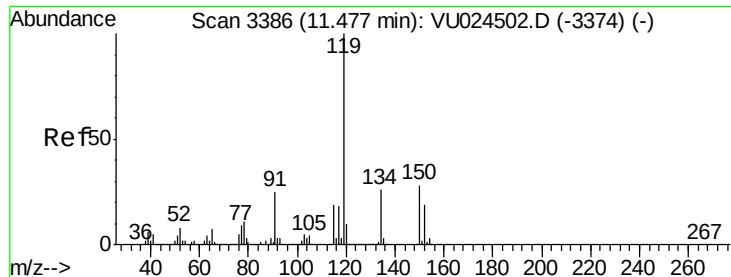
134 17.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

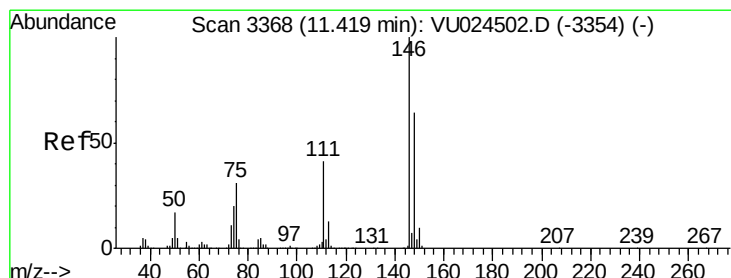
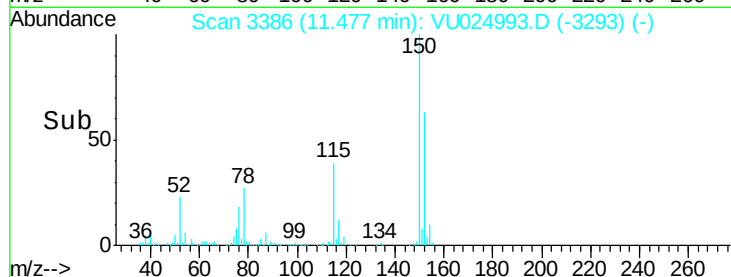
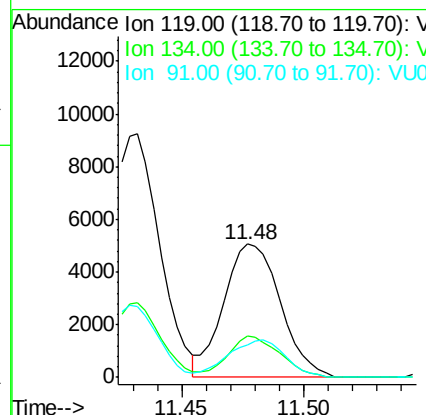
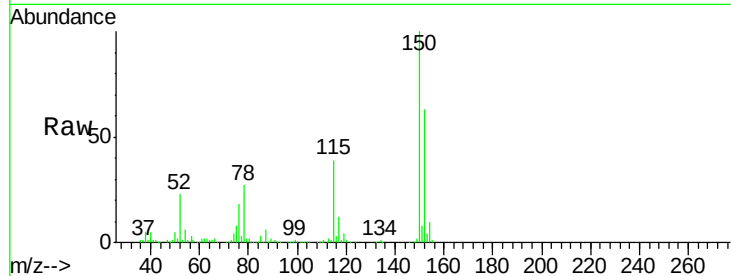




#86
 p-Isopropyltoluene
 Concen: 0.65 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

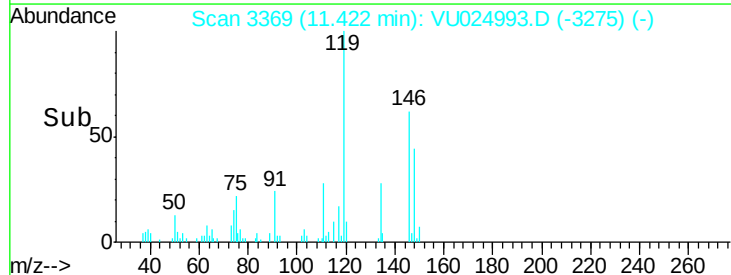
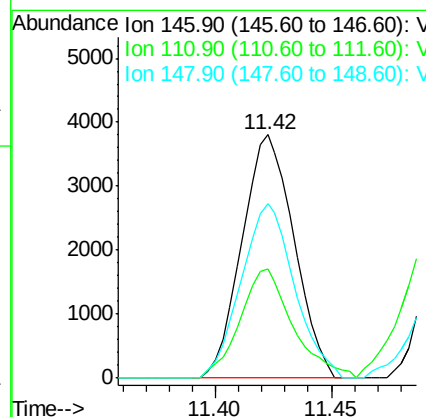
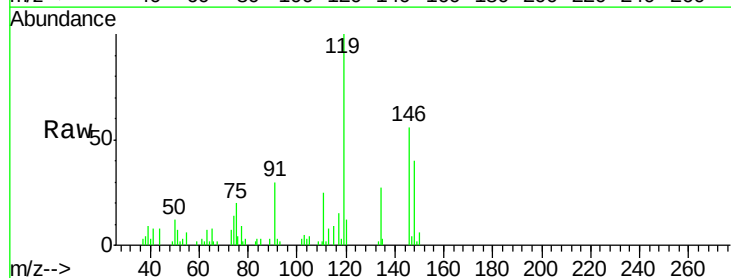
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

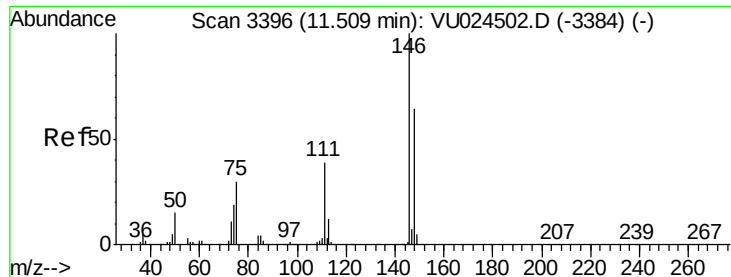
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.9	38.6
91	28.3	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 0.94 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	20.0	60.0
148	73.3	32.1	96.5

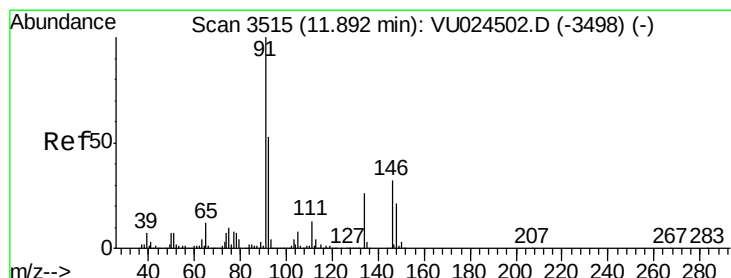
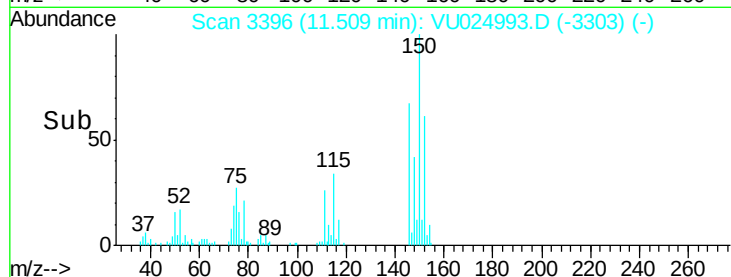
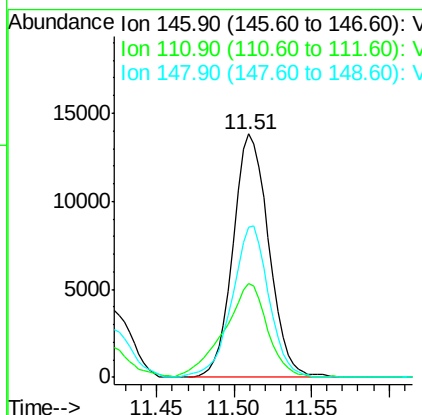
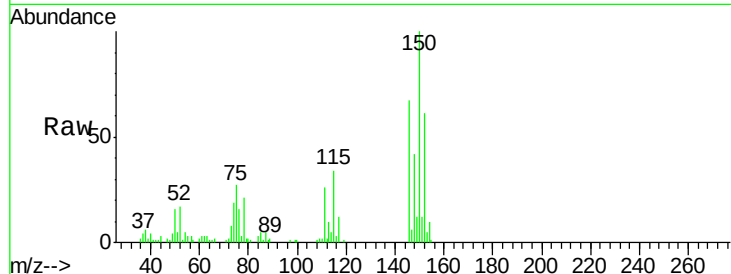




#88
 1,4-Dichlorobenzene
 Concen: 3.51 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

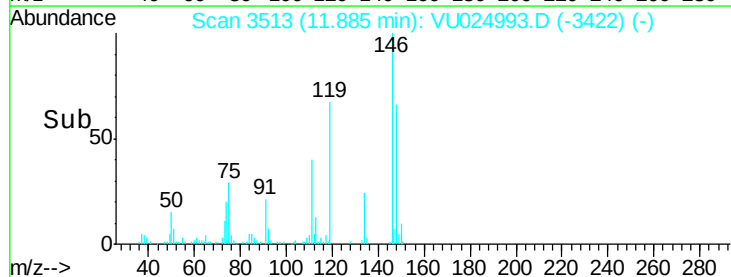
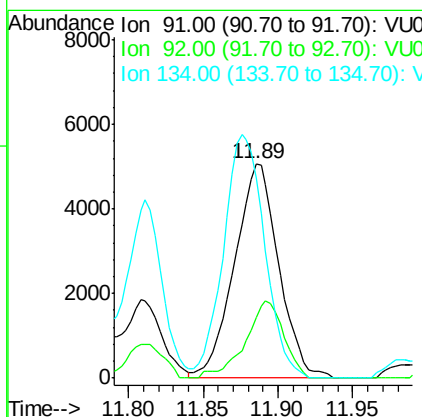
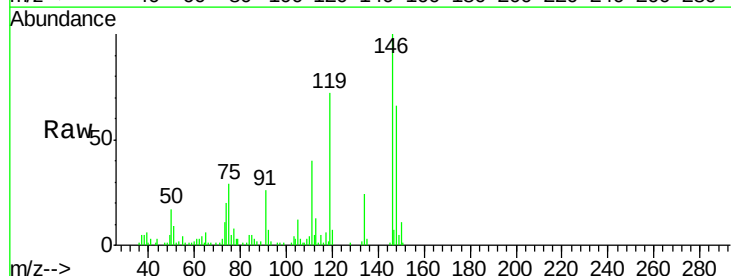
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-25-27-180621ME

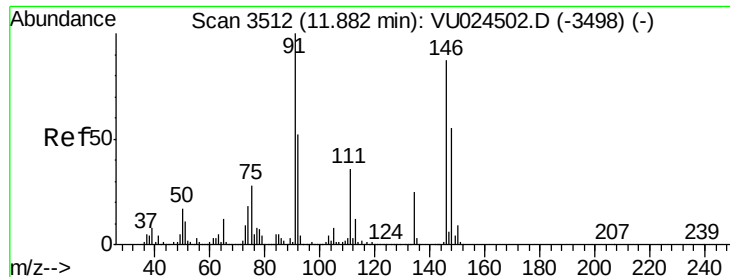
Tot Ion:146 Resp: 22212
 Ion Ratio Lower Upper
 146 100
 111 46.5 19.5 58.5
 148 63.8 32.4 97.0



#89
 n-Butylbenzene
 Concen: 0.93 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. -0.01 min
 Lab File: VU024993.D
 Acq: 28 Jun 2018 02:33

Tgt Ion: 91 Resp: 10433
 Ion Ratio Lower Upper
 91 100
 92 31.1 25.6 76.8
 134 105.9 12.3 36.8#





#91

1,2-Dichlorobenzene

Concen: 4.97 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-25-27-180621ME

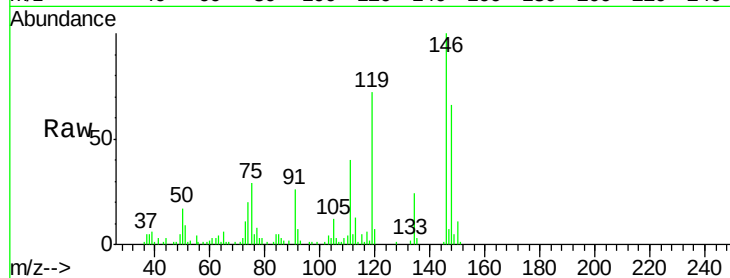
Tot Ion:146 Resp: 31282

Ion Ratio Lower Upper

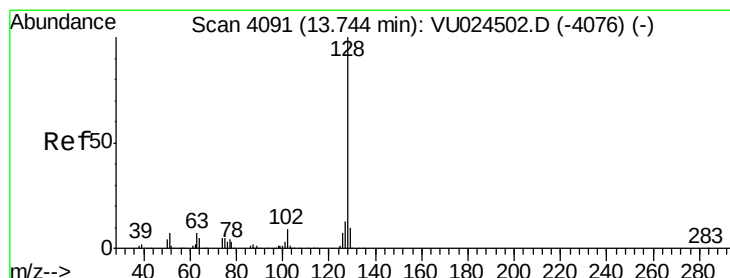
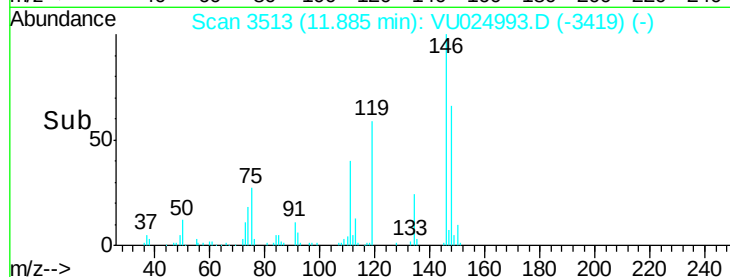
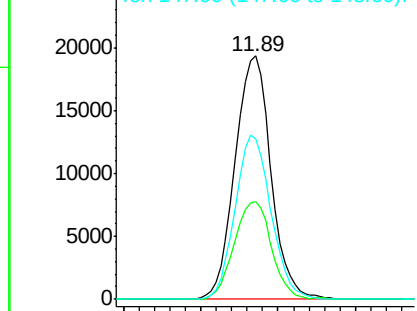
146 100

111 41.3 20.5 61.6

148 67.1 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: 2.38 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024993.D

Acq: 28 Jun 2018 02:33

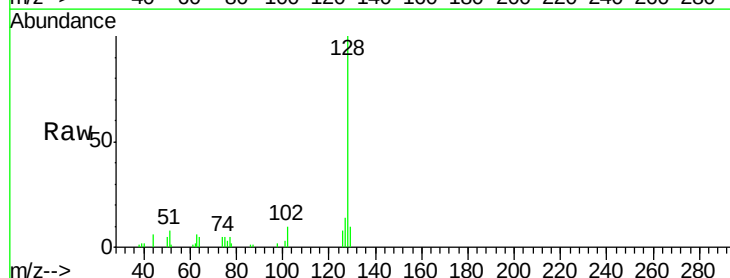
Tgt Ion:128 Resp: 22257

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 10.5 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

