

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025922.D
 Acq On : 07 Aug 2018 06:11
 Operator : MD/SY
 Sample : J4344-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0530

Quant Time: Aug 07 07:10:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	216007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343649	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	340542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	224126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	156110	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	4.89	113	137779	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
50) Toluene-d8	7.57	98	508742	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	10.31	95	203518	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	

Target Compounds

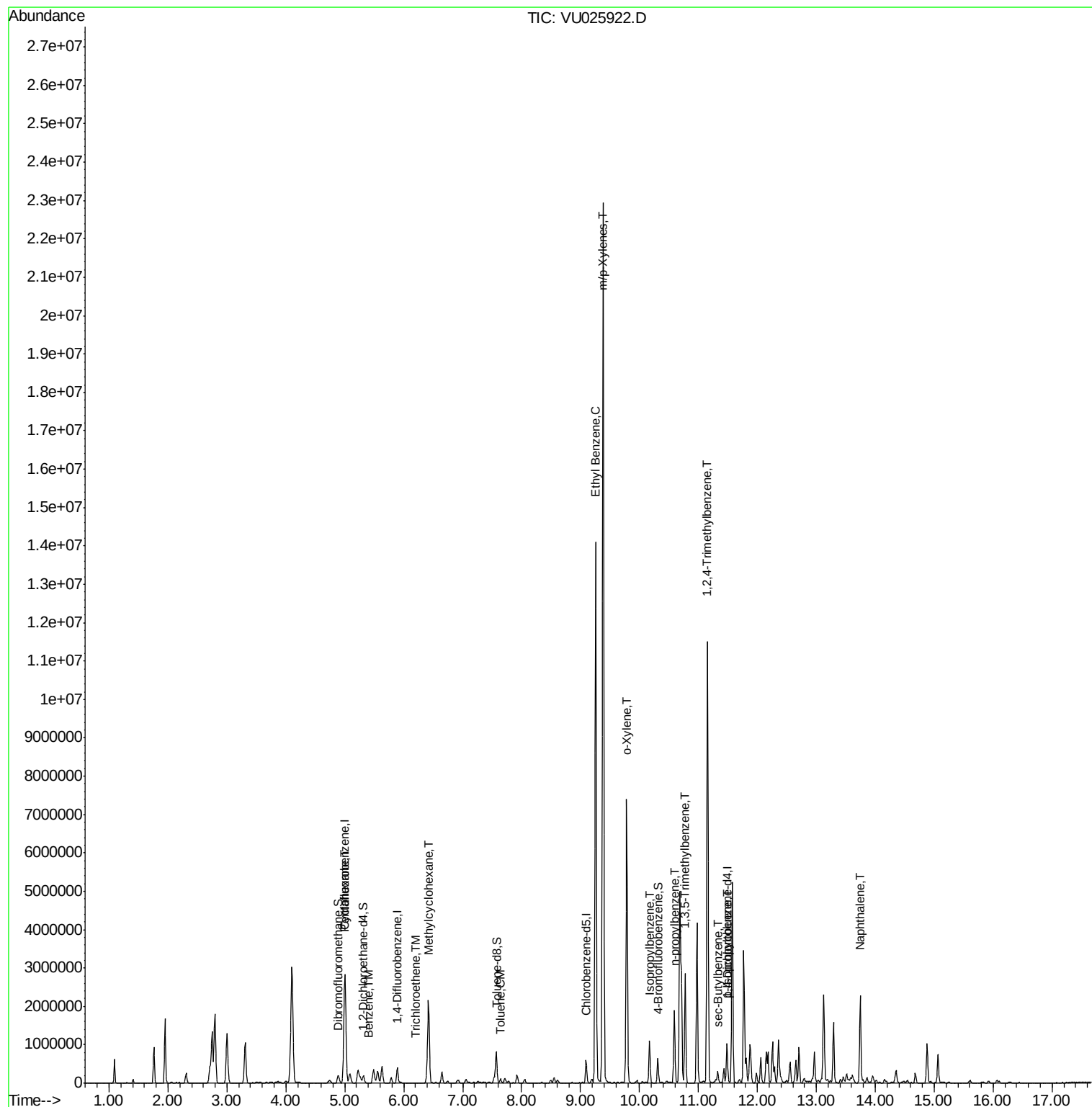
						Qvalue
31) Cyclohexane	5.00	56	1414562	337.62	ug/l	97
39) Methylcyclohexane	6.42	83	946220	205.63	ug/l	98
40) Benzene	5.39	78	9043	0.77	ug/l	99
44) Trichloroethene	6.19	130	2802	0.86	ug/l	93
52) Toluene	7.64	92	45439	6.23	ug/l	100
67) Ethyl Benzene	9.26	91	9989512	686.87	ug/l	99
68) m/p-Xylenes	9.38	106	6740589	1207.23	ug/l	97
69) o-Xylene	9.78	106	1998917	366.31	ug/l	99
73) Isopropylbenzene	10.17	105	723386	47.29	ug/l	100
78) n-propylbenzene	10.59	91	1424990	79.81	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	1546394	119.03	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	6379287	484.57	ug/l	98
85) sec-Butylbenzene	11.33	105	191843	12.17	ug/l	100
86) p-Isopropyltoluene	11.48	119	142926	10.13	ug/l	99
95) Naphthalene	13.74	128	1815793	107.63	ug/l	99

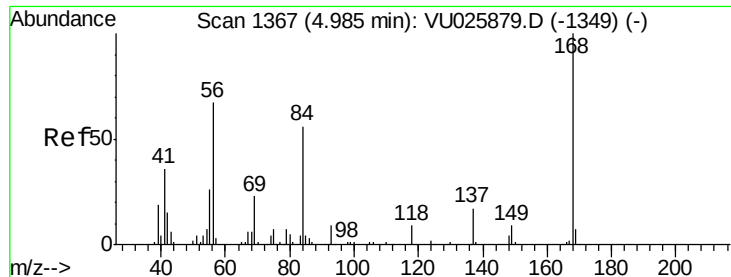
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

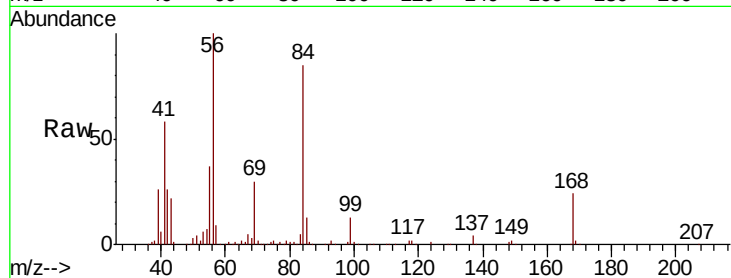
FL-0530

Tot Ion:168 Resp: 216007

Ion Ratio Lower Upper

168 100

99 53.0 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025879.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025879.D (-1349) (-)

4.99

100000

80000

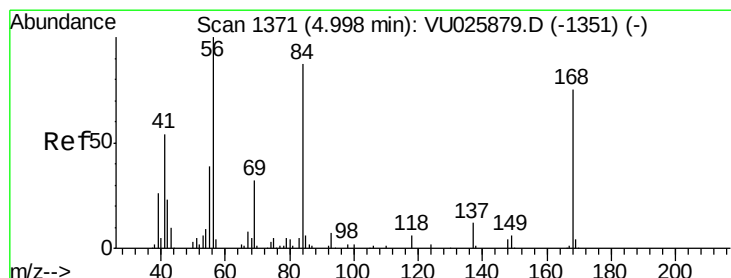
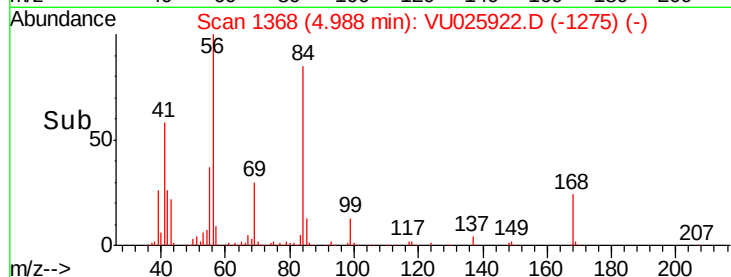
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 337.62 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

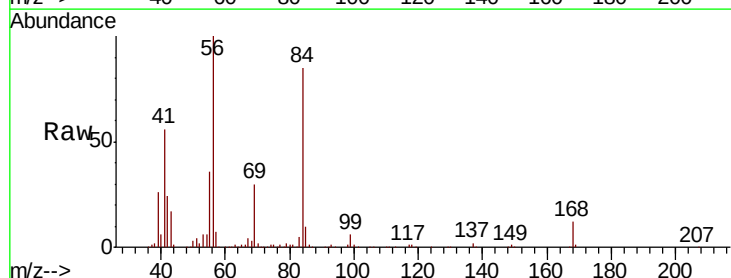
Tgt Ion: 56 Resp: 1414562

Ion Ratio Lower Upper

56 100

69 30.4 26.8 40.2

84 85.4 69.7 104.5



Abundance Ion 56.00 (55.70 to 56.70): VU025879.D (-1351) (-)

Ion 69.00 (68.70 to 69.70): VU025879.D (-1351) (-)

Ion 84.00 (83.70 to 84.70): VU025879.D (-1351) (-)

5.00

800000

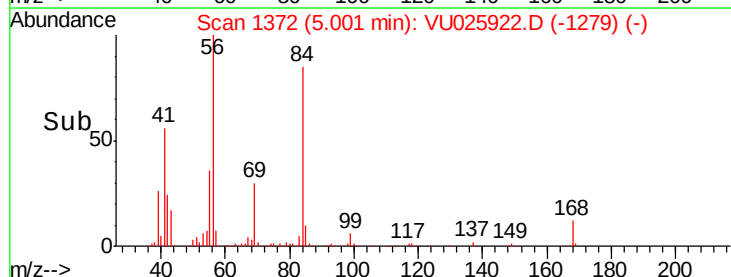
600000

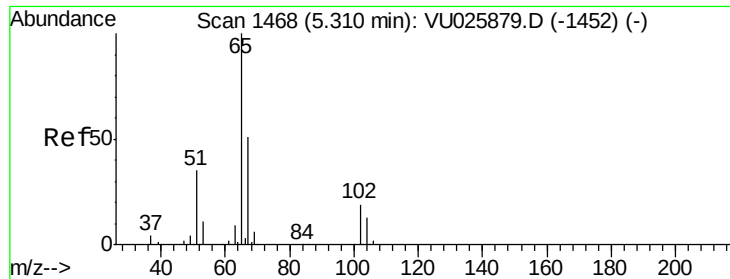
400000

200000

0

Time-->

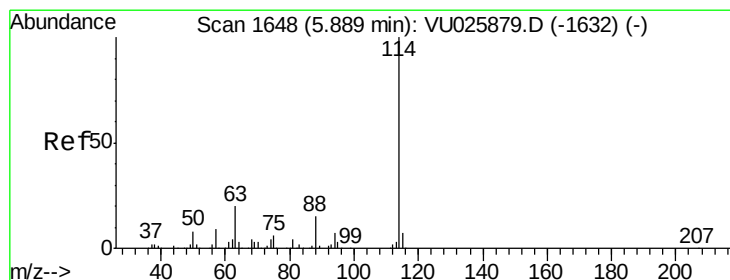
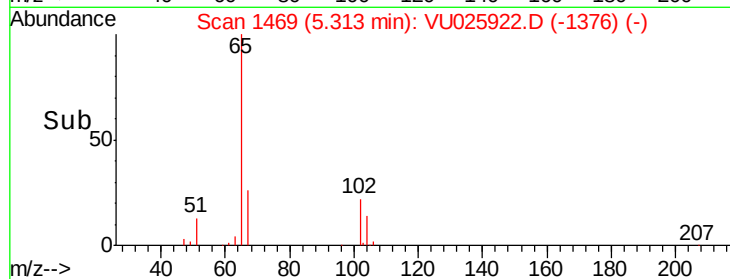
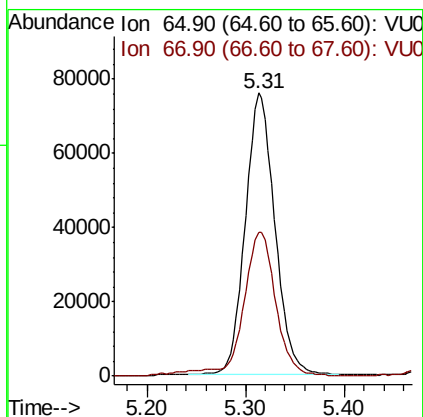
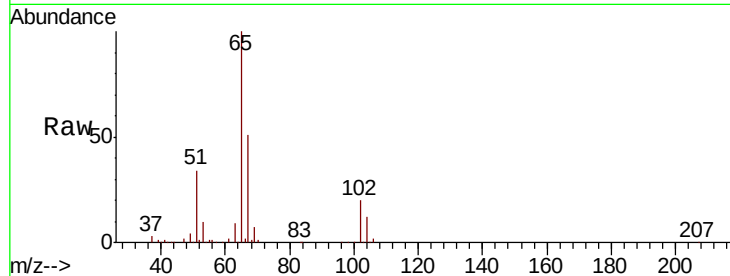




#33
 1,2-Dichloroethane-d4
 Concen: 46.38 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025922.D
 Acq: 07 Aug 2018 06:11

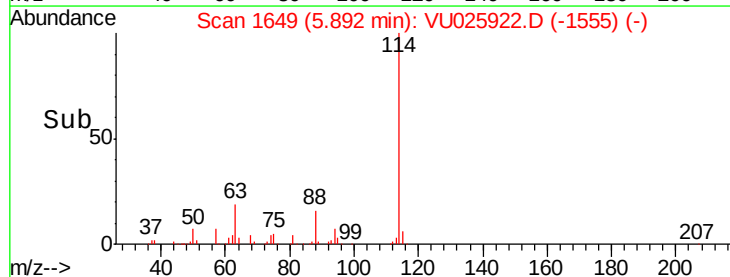
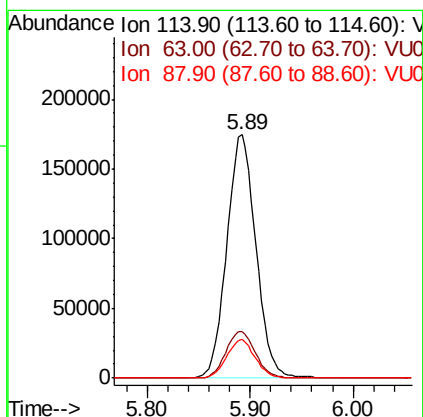
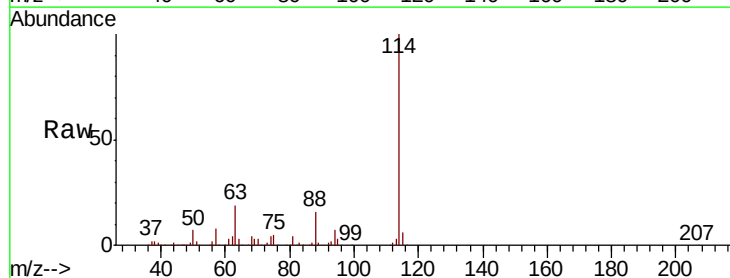
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0530

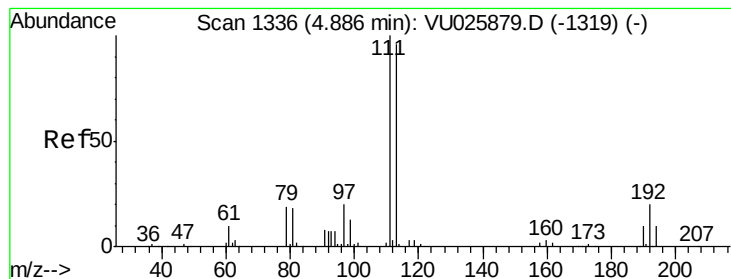
Tot Ion: 65 Resp: 156110
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025922.D
 Acq: 07 Aug 2018 06:11

Tgt Ion: 114 Resp: 343649
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 41.6
 88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.10 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

Instrument :

MSVOA_U

ClientSampled :

FL-0530

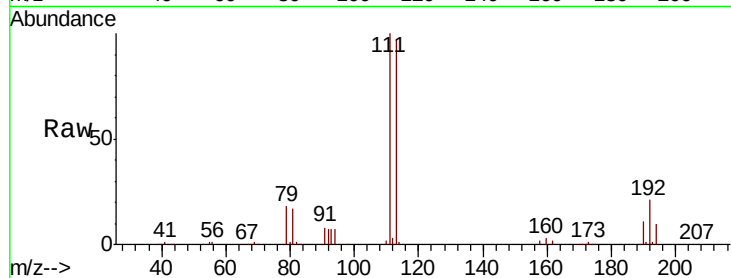
Tot Ion:113 Resp: 137779

Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

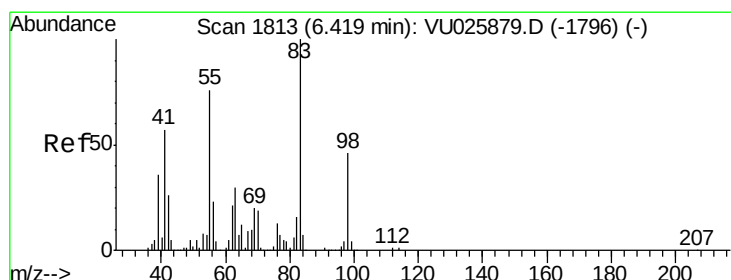
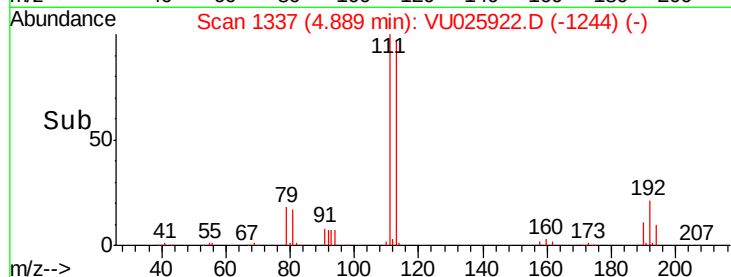
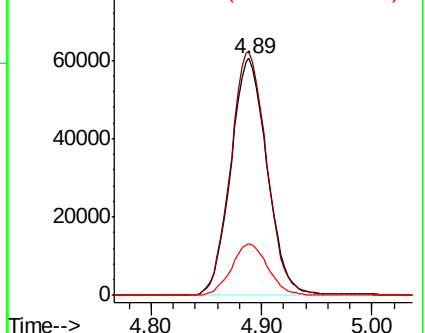
192 21.7 17.1 25.7



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: 205.63 ug/l

RT: 6.42 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

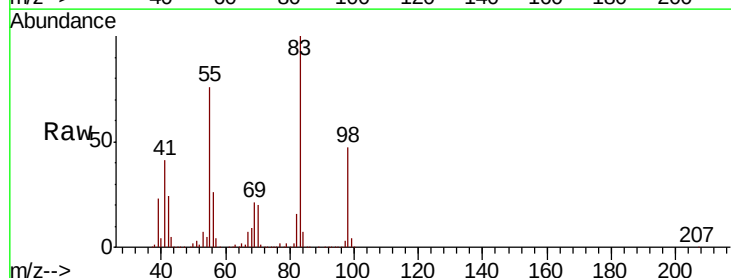
Tgt Ion: 83 Resp: 946220

Ion Ratio Lower Upper

83 100

55 76.3 60.0 90.0

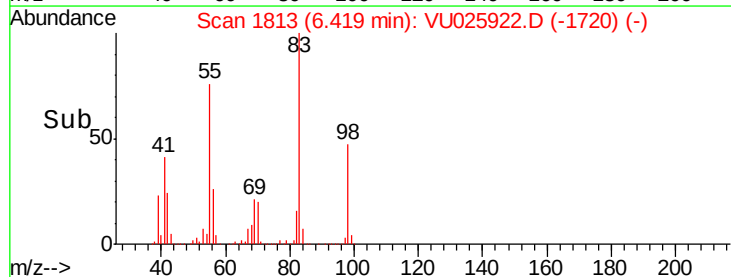
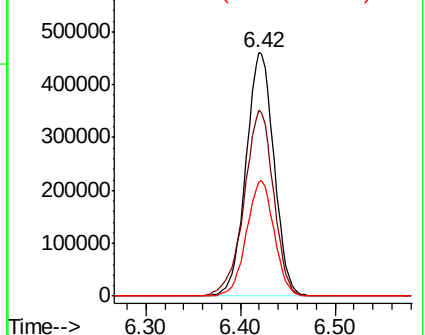
98 46.9 36.1 54.1

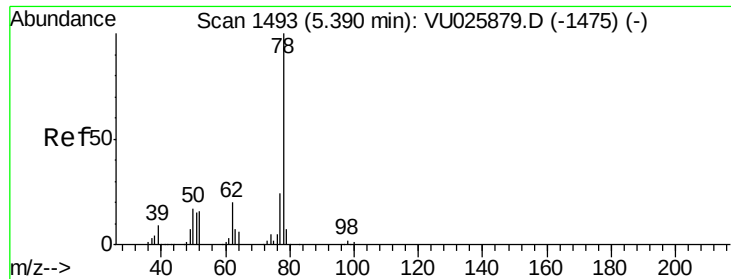


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 0.77 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

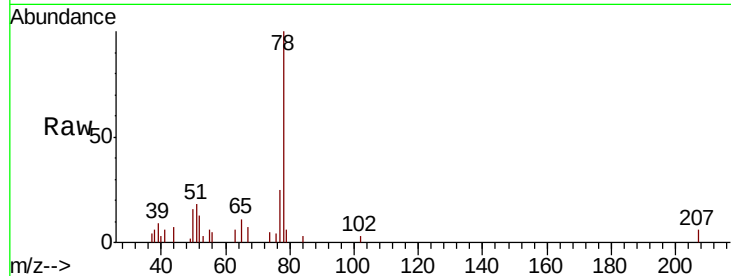
FL-0530

Tot Ion: 78 Resp: 9043

Ion Ratio Lower Upper

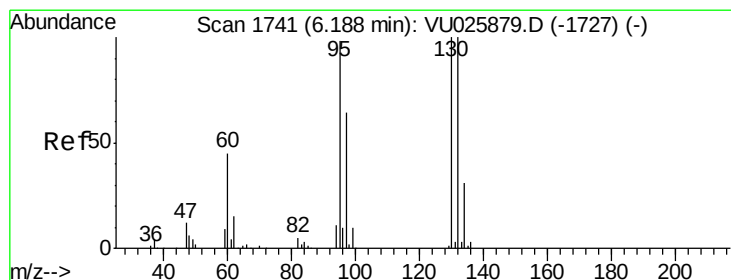
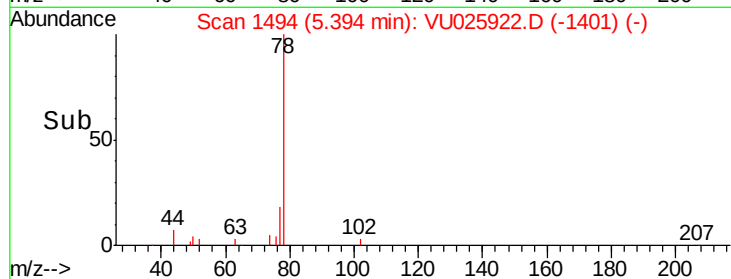
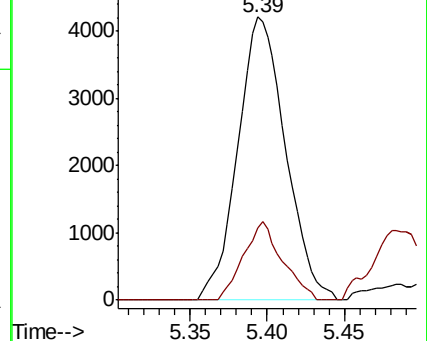
78 100

77 25.3 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU025879.D (-1475) (-)

Ion 77.00 (76.70 to 77.70): VU025879.D (-1475) (-)



#44

Trichloroethene

Concen: 0.86 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025922.D

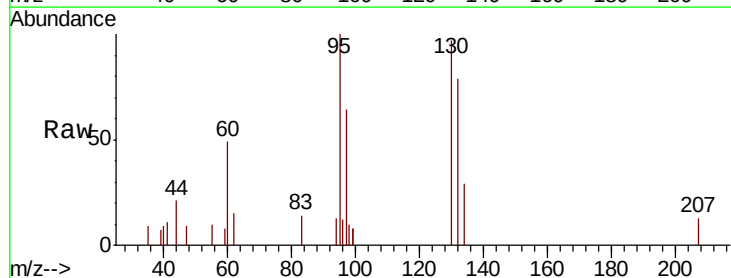
Acq: 07 Aug 2018 06:11

Tgt Ion:130 Resp: 2802

Ion Ratio Lower Upper

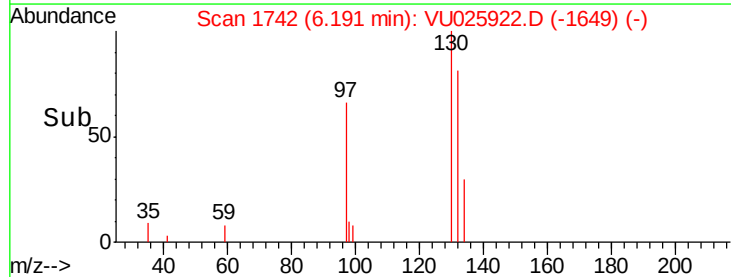
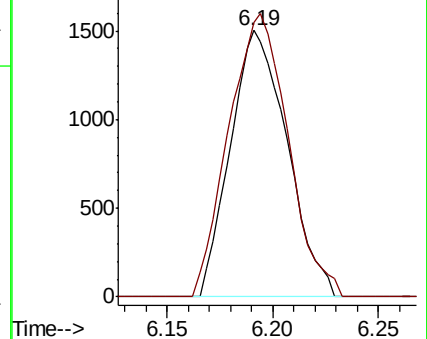
130 100

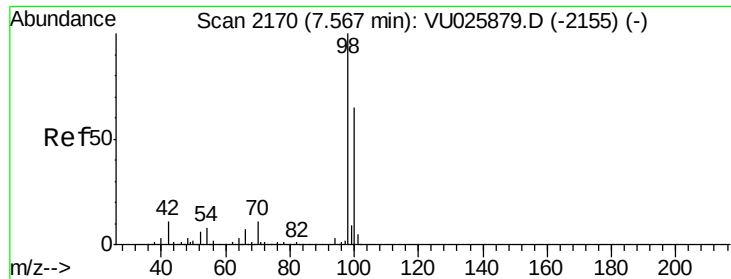
95 103.1 0.0 192.2



Abundance Ion 129.80 (129.50 to 130.50): VU025879.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU025879.D (-1727) (-)

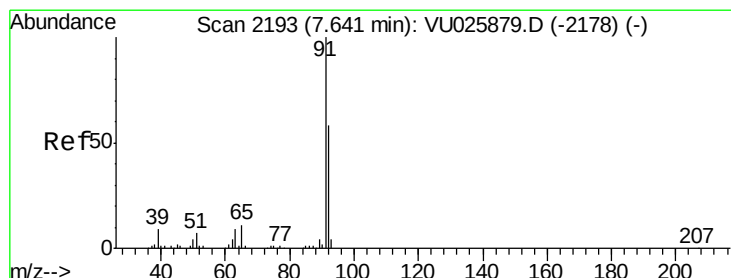
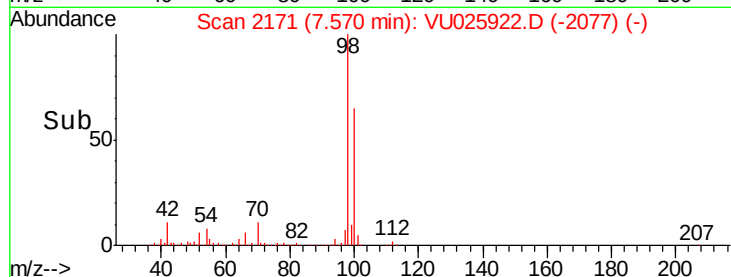
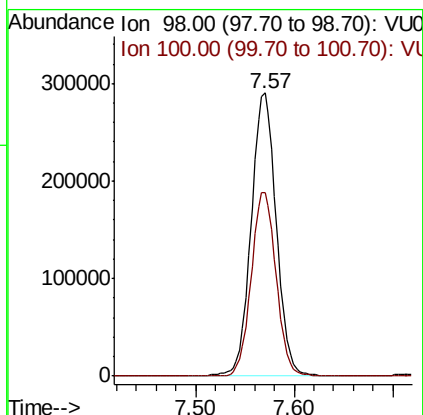
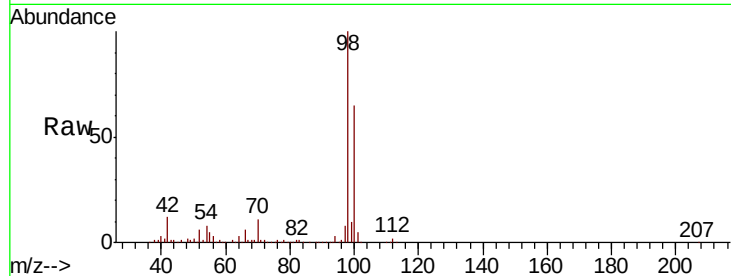




#50
Toluene-d8
Concen: 48.64 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

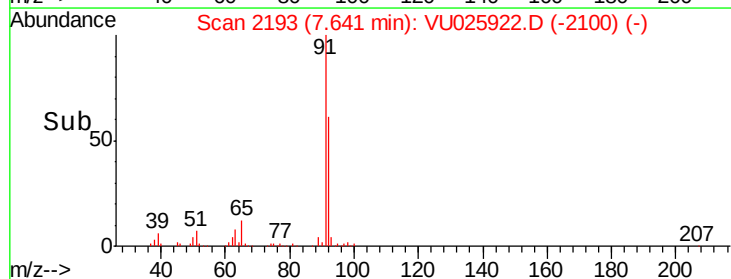
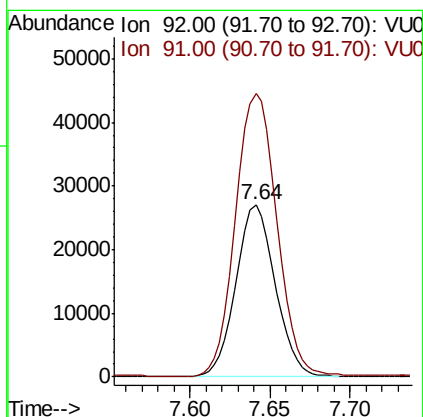
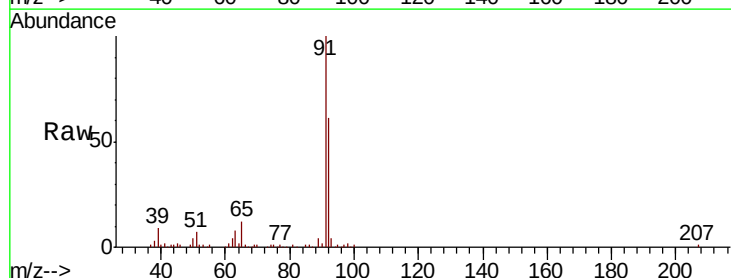
Instrument :
MSVOA_U
ClientSampleId :
FL-0530

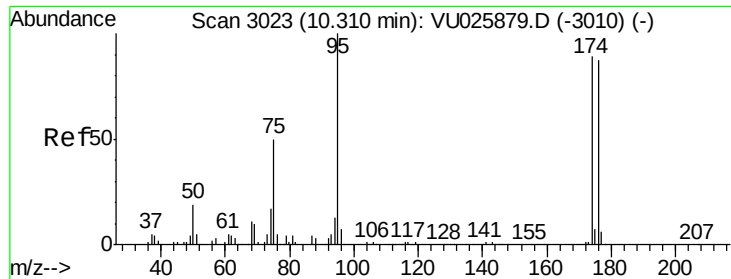
Tot Ion: 98 Resp: 508742
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#52
Toluene
Concen: 6.23 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

Tgt Ion: 92 Resp: 45439
Ion Ratio Lower Upper
92 100
91 173.6 139.2 208.8

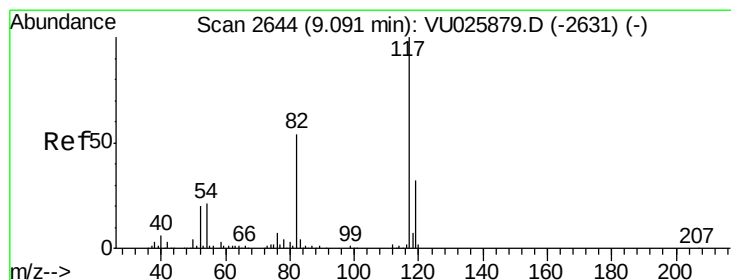
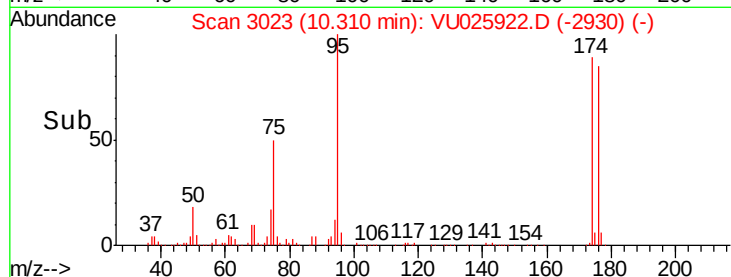
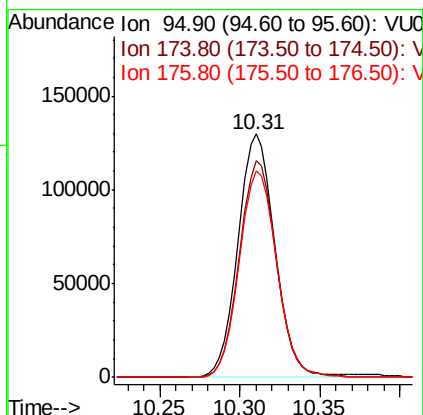
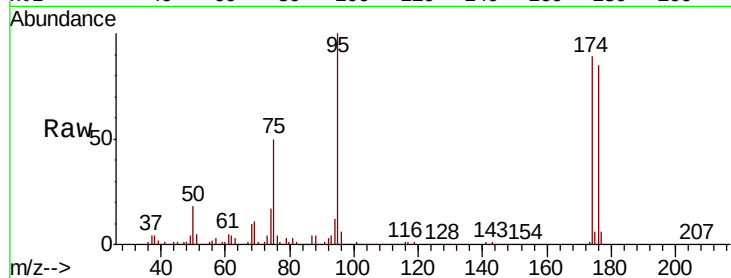




#62
4-Bromofluorobenzene
Concen: 50.13 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

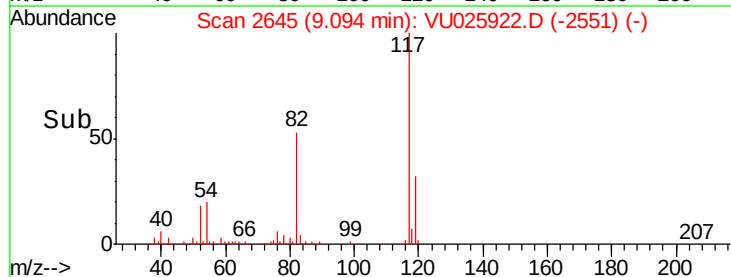
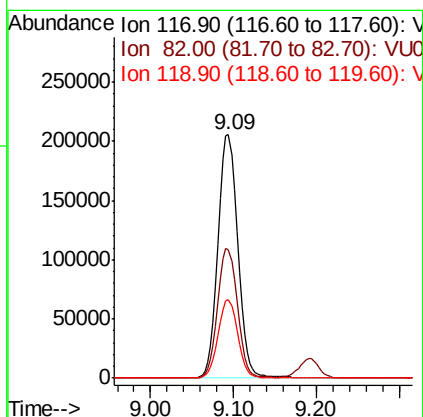
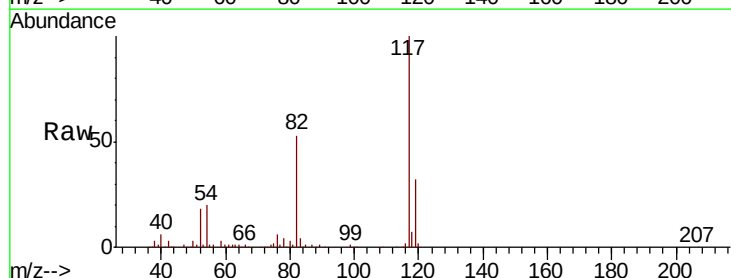
Instrument :
MSVOA_U
ClientSampleId :
FL-0530

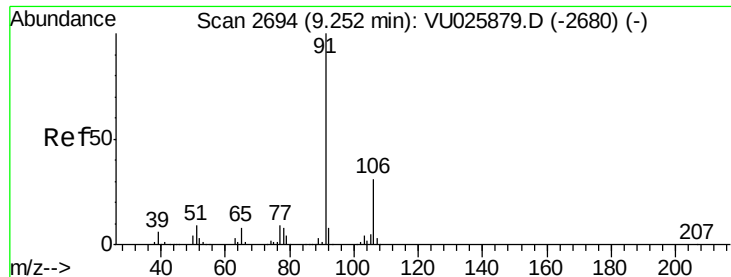
Tot Ion	95	Resp	203518
Ion Ratio	100		
Lower			
Upper			
174	89.7	0.0	172.2
176	86.7	0.0	162.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

Tgt Ion	117	Resp	340542
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	52.6	46.0	69.0
119	32.1	26.0	39.0

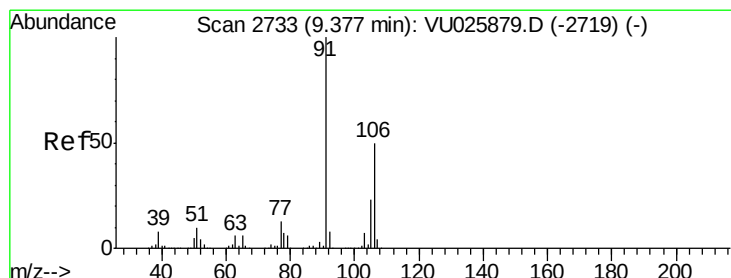
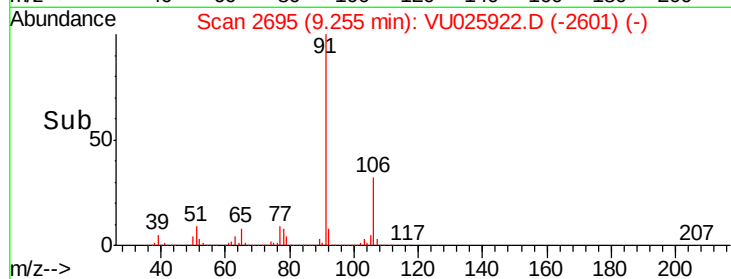
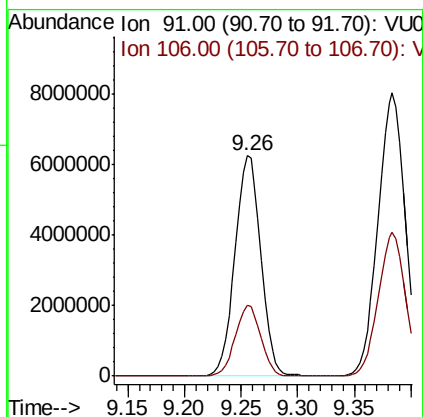
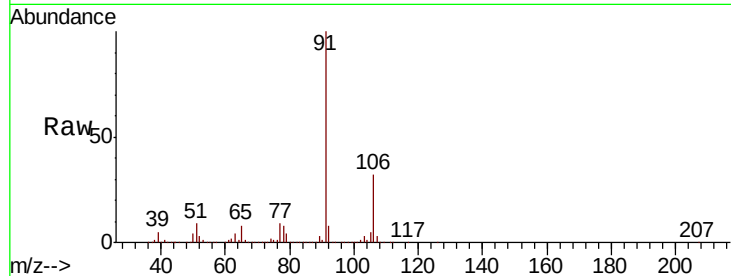




#67
Ethyl Benzene
Concen: 686.87 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

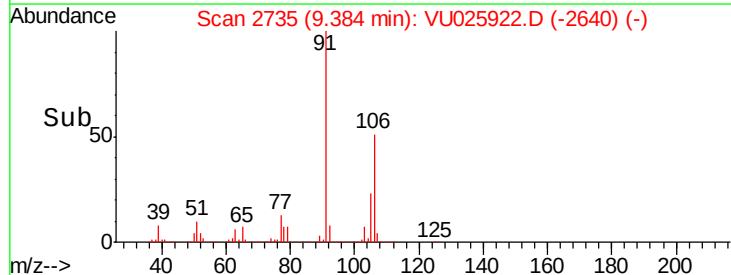
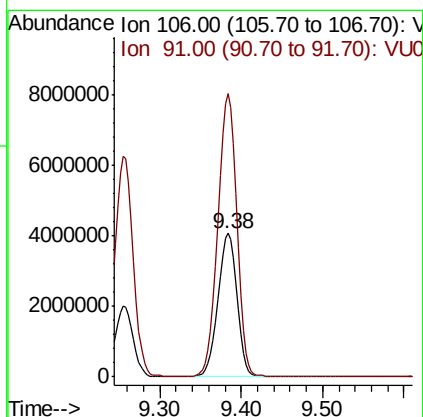
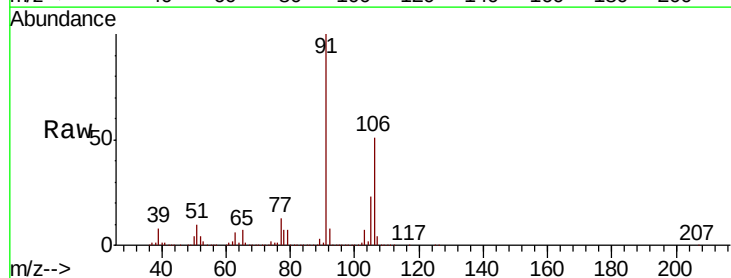
Instrument :
MSVOA_U
ClientSampleId :
FL-0530

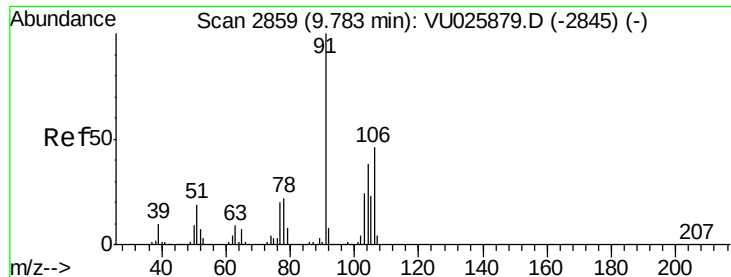
Tot Ion: 91 Resp: 9989512
Ion Ratio Lower Upper
91 100
106 32.1 25.3 37.9



#68
m/p-Xylenes
Concen: 1207.23 ug/l
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

Tgt Ion: 106 Resp: 6740589
Ion Ratio Lower Upper
106 100
91 197.9 162.3 243.5

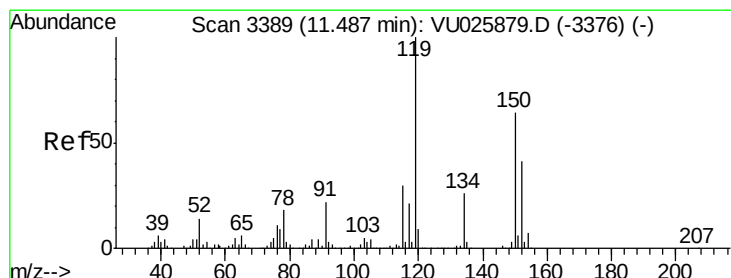
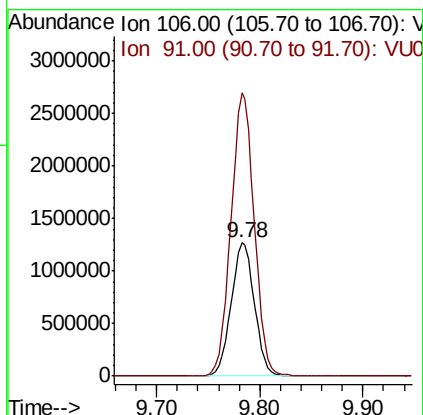
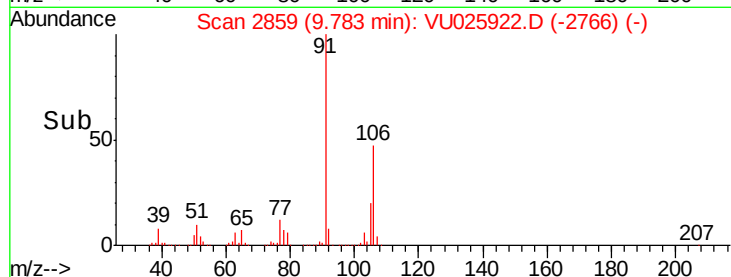
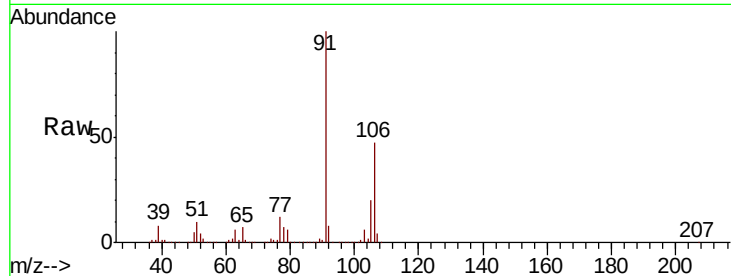




#69
o-Xylene
Concen: 366.31 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

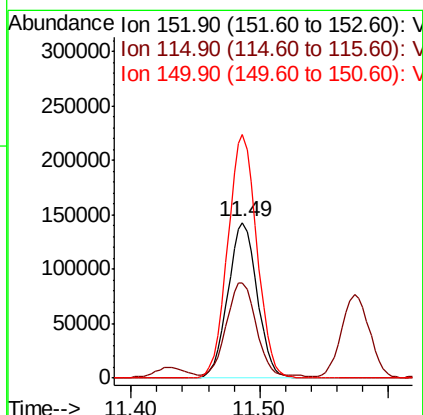
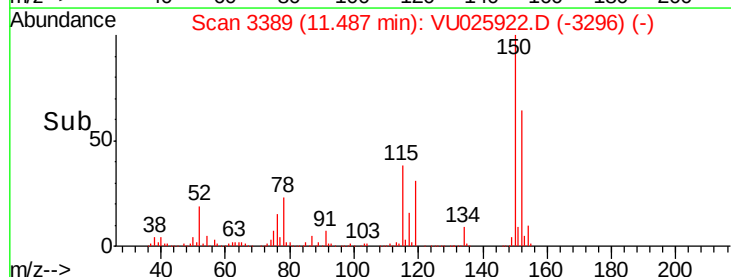
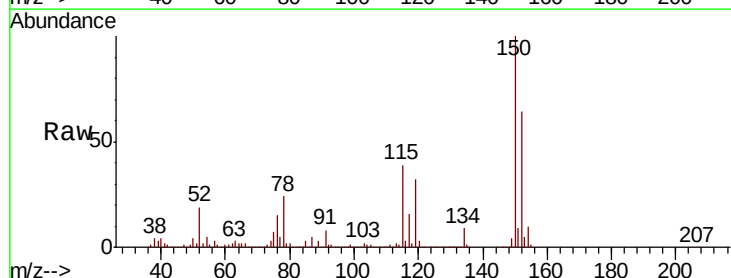
Instrument :
MSVOA_U
ClientSampleId :
FL-0530

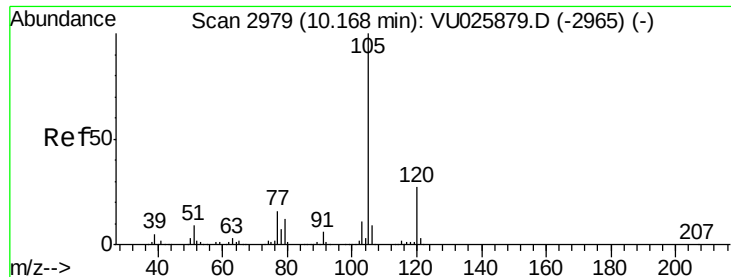
Tot Ion:106 Resp: 1998917
Ion Ratio Lower Upper
106 100
91 212.2 105.3 315.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025922.D
Acq: 07 Aug 2018 06:11

Tgt Ion:152 Resp: 224126
Ion Ratio Lower Upper
152 100
115 63.1 40.1 120.3
150 156.2 0.0 351.4





#73

Isopropylbenzene

Concen: 47.29 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

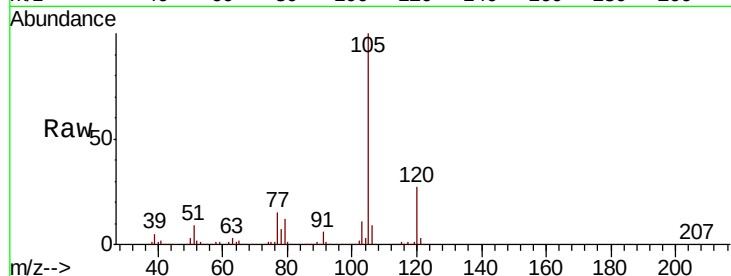
FL-0530

Tot Ion:105 Resp: 723386

Ion Ratio Lower Upper

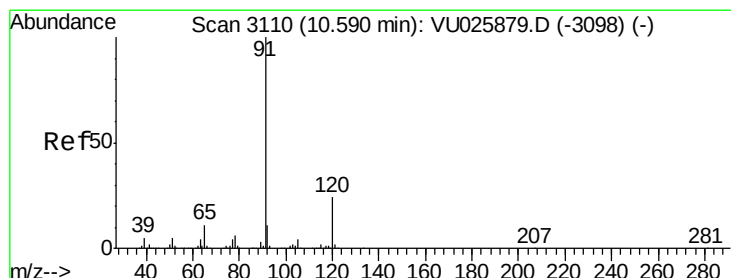
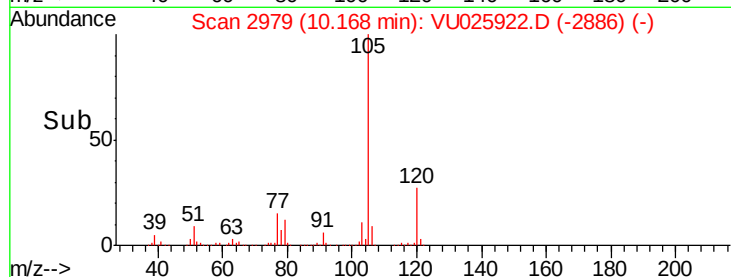
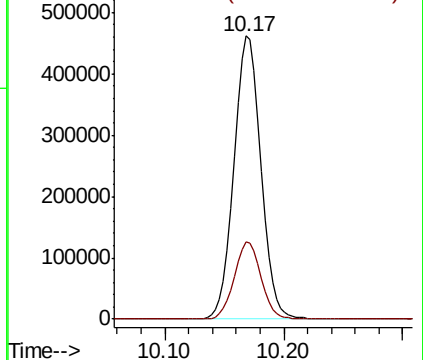
105 100

120 27.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 79.81 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU025922.D

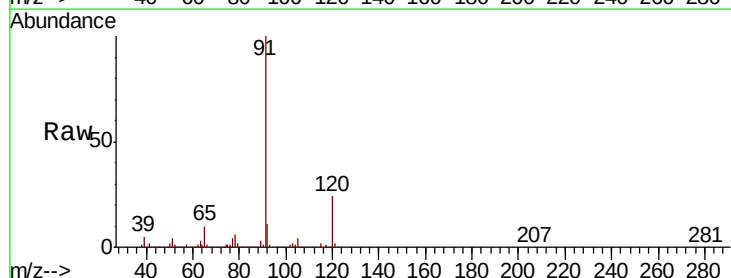
Acq: 07 Aug 2018 06:11

Tgt Ion: 91 Resp: 1424990

Ion Ratio Lower Upper

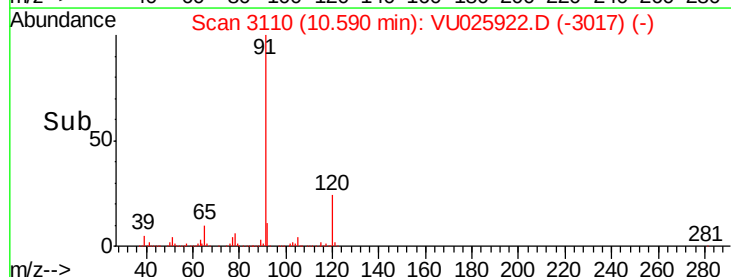
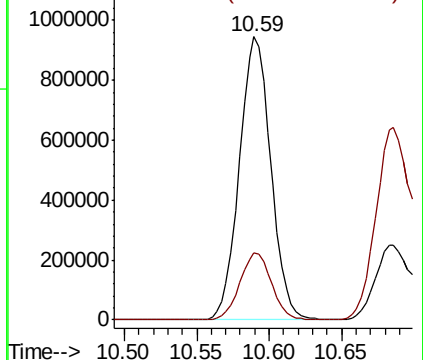
91 100

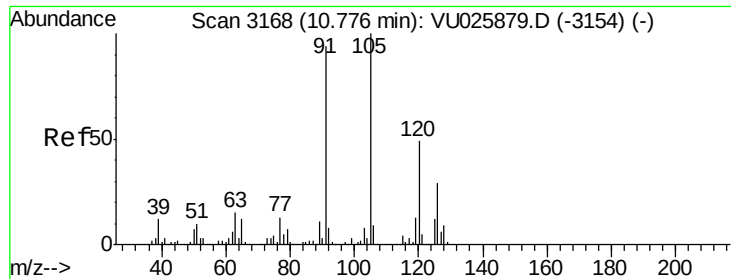
120 23.8 11.8 35.3



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: 119.03 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

Instrument :

MSVOA_U

ClientSampleId :

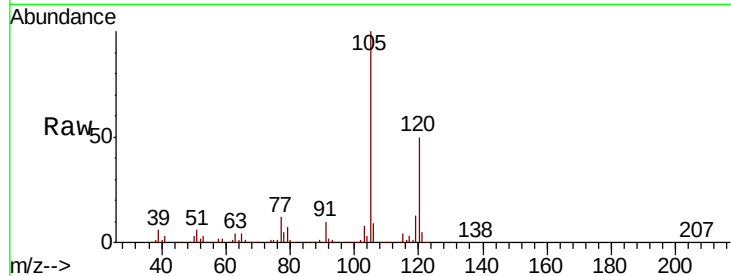
FL-0530

Tot Ion:105 Resp: 1546394

Ion Ratio Lower Upper

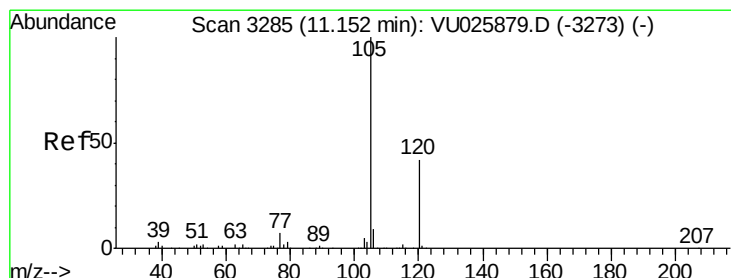
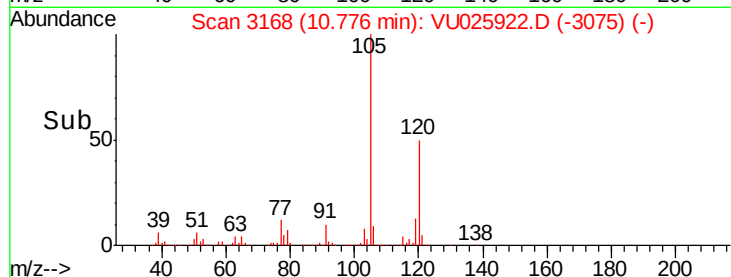
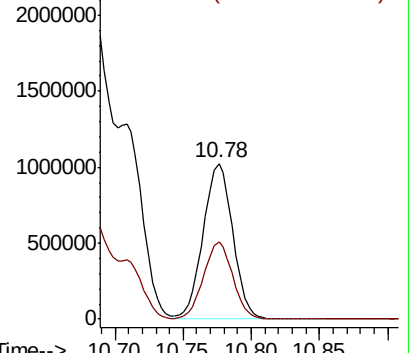
105 100

120 49.0 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: 484.57 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. -0.00 min

Lab File: VU025922.D

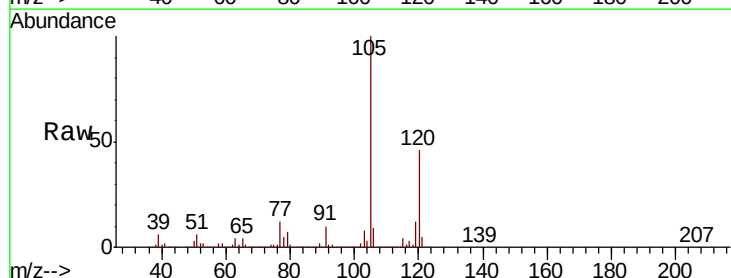
Acq: 07 Aug 2018 06:11

Tgt Ion:105 Resp: 6379287

Ion Ratio Lower Upper

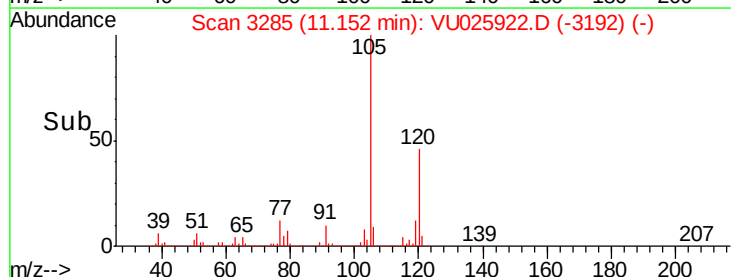
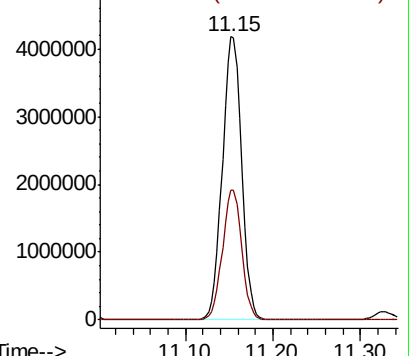
105 100

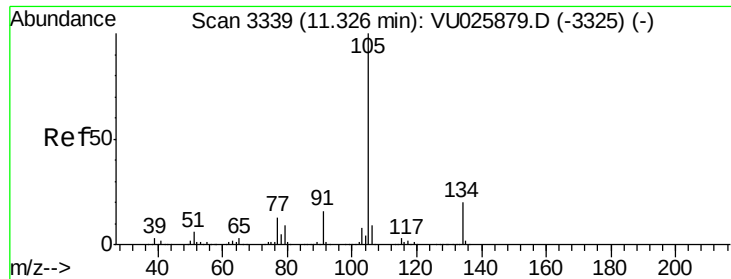
120 45.9 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 12.17 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

Instrument :

MSVOA_U

ClientSampled :

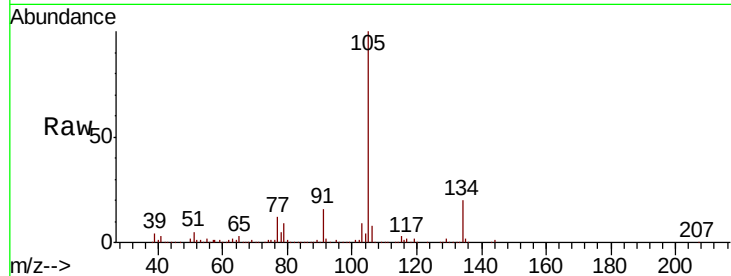
FL-0530

Tot Ion:105 Resp: 191843

Ion Ratio Lower Upper

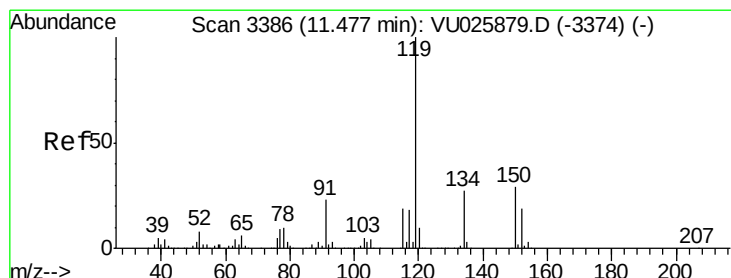
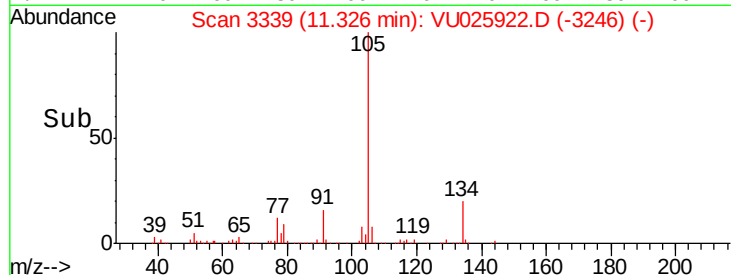
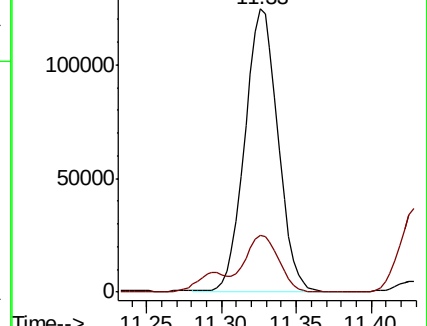
105 100

134 20.3 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.13 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU025922.D

Acq: 07 Aug 2018 06:11

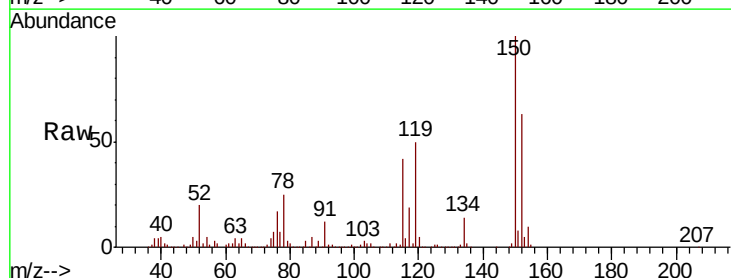
Tgt Ion:119 Resp: 142926

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

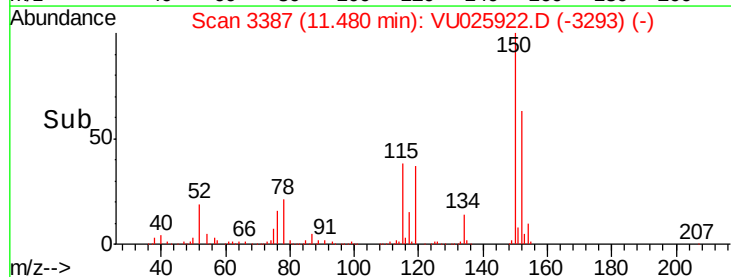
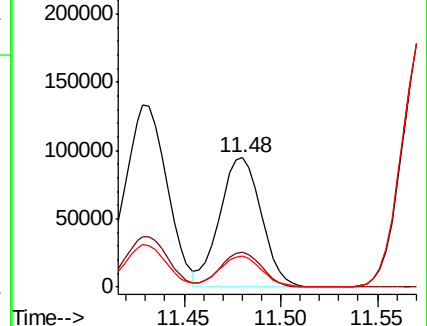
91 23.7 12.0 36.1

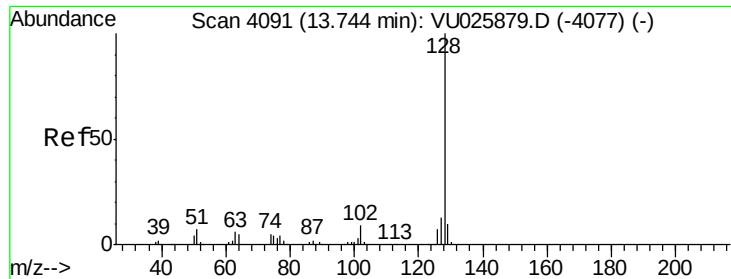


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



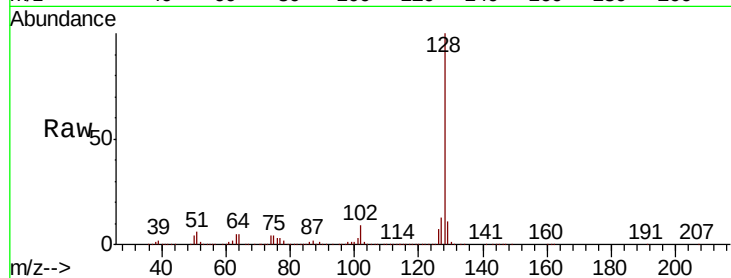


#95
 Naphthalene
 Concen: 107.63 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025922.D
 Acq: 07 Aug 2018 06:11

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0530

Tot Ion:128 Resp: 1815793

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.1	8.3	12.5



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

