

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025923.D
 Acq On : 07 Aug 2018 06:35
 Operator : MD/SY
 Sample : J4344-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0531

Quant Time: Aug 07 07:13:55 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	219926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	352852	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	343436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	221094	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.32	65	159601	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	
35) Dibromofluoromethane	4.89	113	140254	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
50) Toluene-d8	7.57	98	519316	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	10.31	95	203308	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

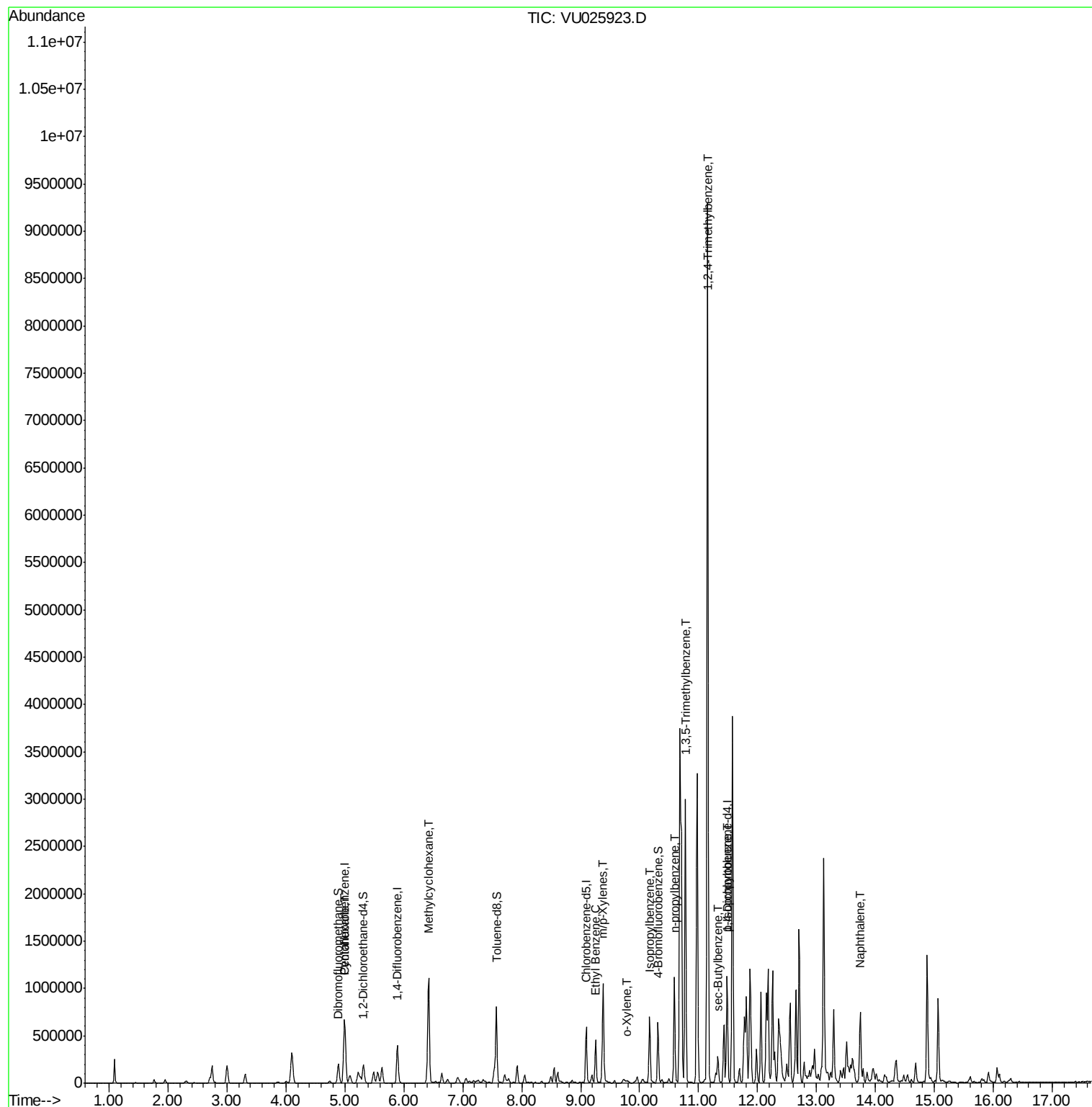
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	228105	52.30	ug/l	98
39) Methylcyclohexane	6.42	83	485436	102.74	ug/l	98
67) Ethyl Benzene	9.25	91	319202	21.76	ug/l	100
68) m/p-Xylenes	9.38	106	300901	53.44	ug/l	96
69) o-Xylene	9.78	106	6319	1.15	ug/l	93
73) Isopropylbenzene	10.17	105	448714	29.74	ug/l	99
78) n-propylbenzene	10.59	91	850639	48.30	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	1629005	127.11	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	5056265	389.34	ug/l	98
85) sec-Butylbenzene	11.33	105	187740	12.08	ug/l	99
86) p-Isopropyltoluene	11.48	119	210098	15.09	ug/l	100
95) Naphthalene	13.74	128	561610	34.60	ug/l	98

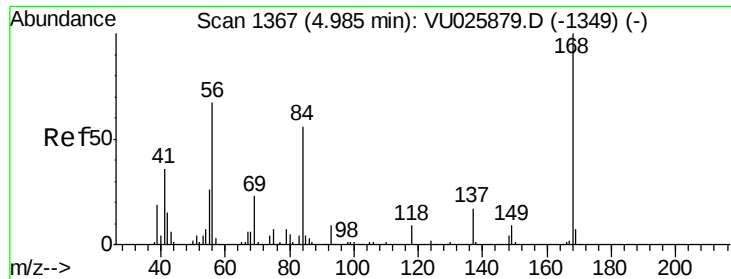
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

Instrument :

MSVOA_U

ClientSampleId :

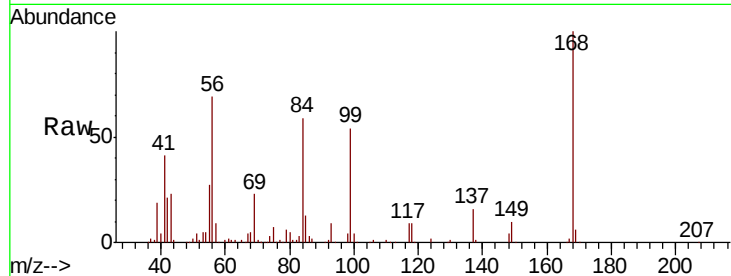
FL-0531

Tot Ion:168 Resp: 219926

Ion Ratio Lower Upper

168 100

99 53.7 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

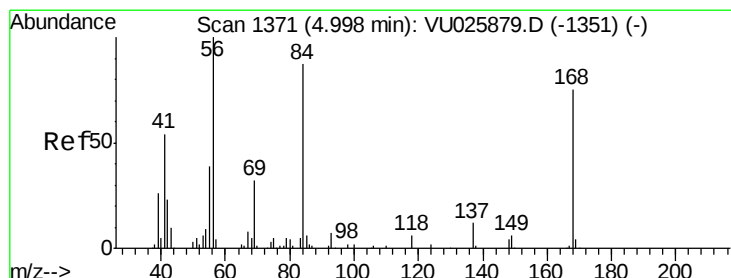
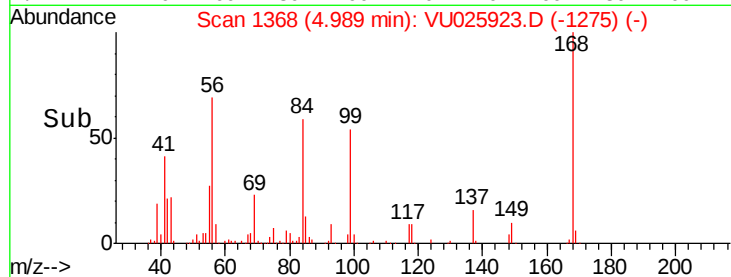
40000

20000

0

4.90 5.00 5.10

Time-->



#31

Cyclohexane

Concen: 52.30 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

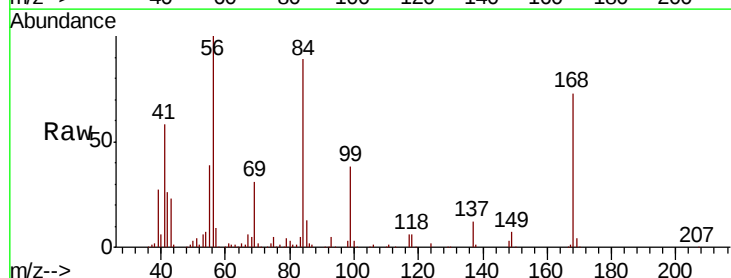
Tgt Ion: 56 Resp: 228105

Ion Ratio Lower Upper

56 100

69 31.4 26.8 40.2

84 88.5 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

120000

100000

80000

60000

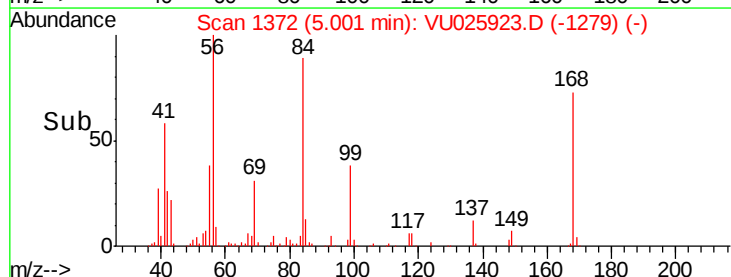
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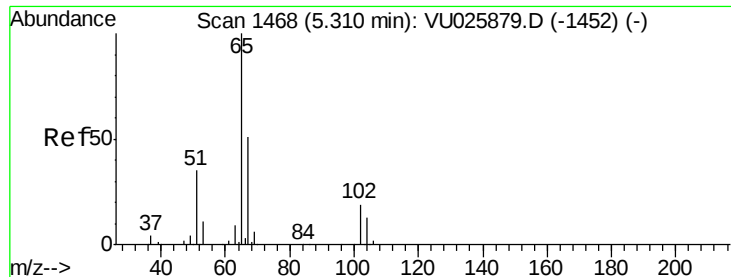
20000

0

4.90 4.95 5.00 5.05

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.58 ug/l

RT: 5.32 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

Instrument :

MSVOA_U

ClientSampleId :

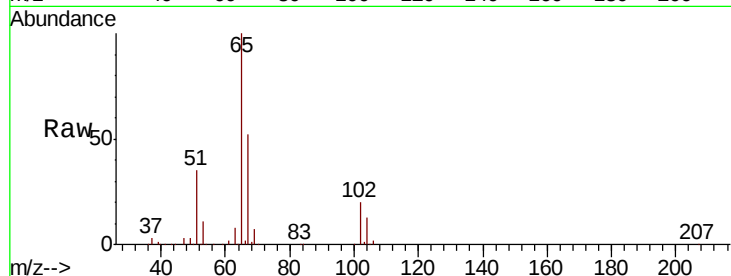
FL-0531

Tot Ion: 65 Resp: 159601

Ion Ratio Lower Upper

65 100

67 50.2 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025879.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025879.D (-1452) (-)

5.32

80000

60000

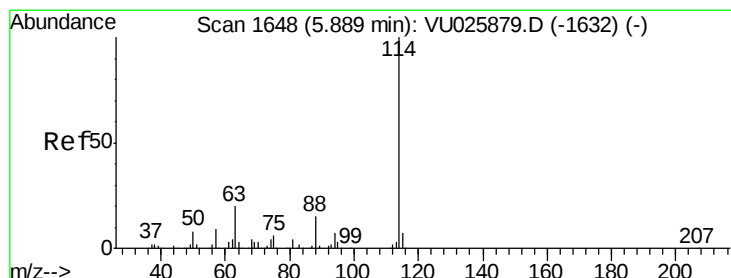
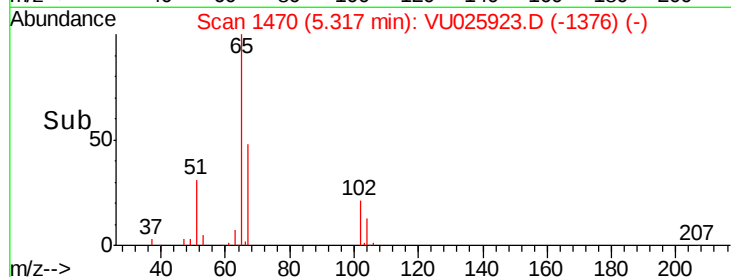
40000

20000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

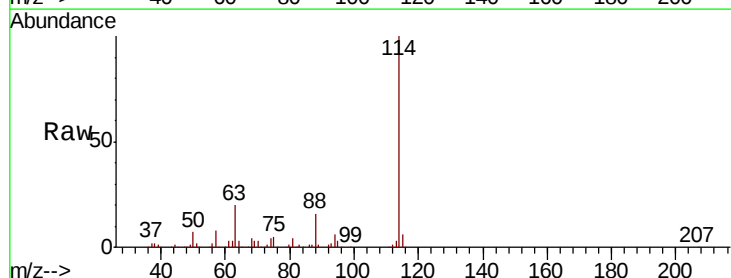
Tgt Ion: 114 Resp: 352852

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 15.6 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU025879.D (-1632) (-)

Ion 63.00 (62.70 to 63.70): VU025879.D (-1632) (-)

Ion 87.90 (87.60 to 88.60): VU025879.D (-1632) (-)

5.89

200000

150000

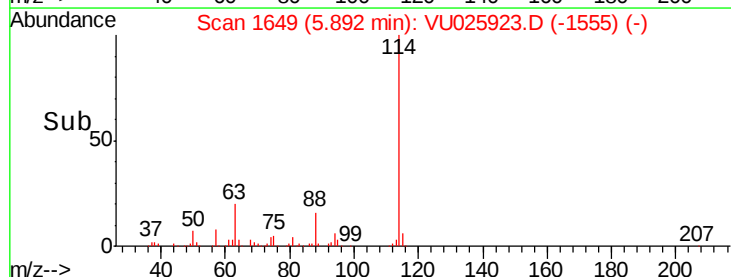
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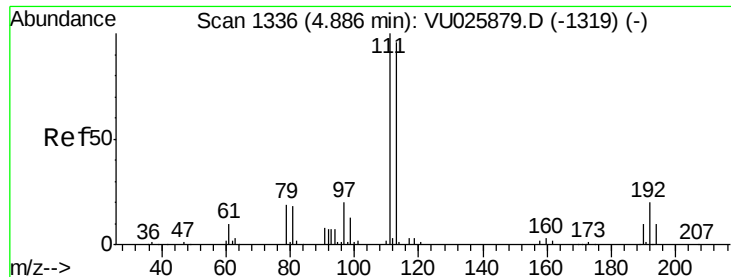
50000

0

Time-->

5.80 5.90 6.00

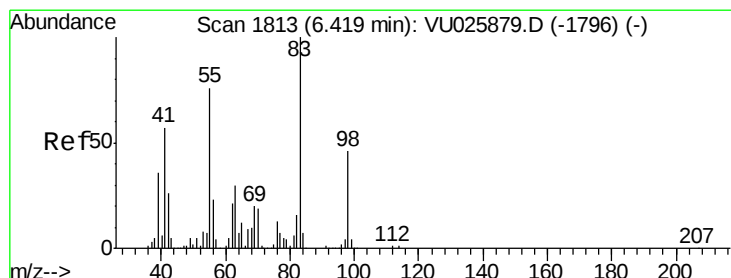
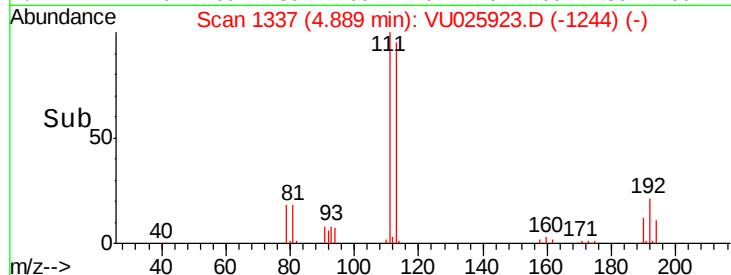
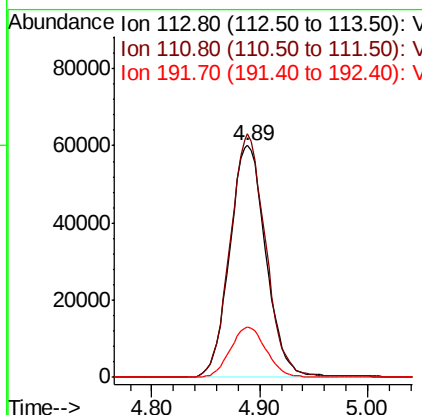
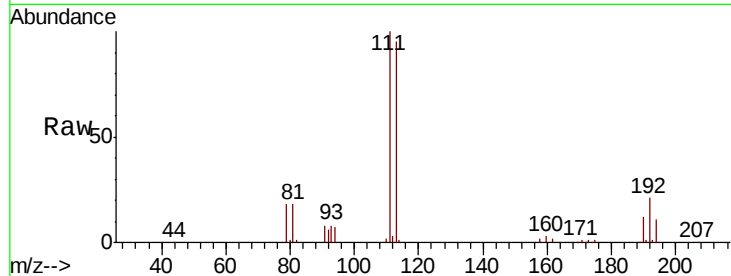




#35
 Dibromofluoromethane
 Concen: 45.70 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025923.D
 Acq: 07 Aug 2018 06:35

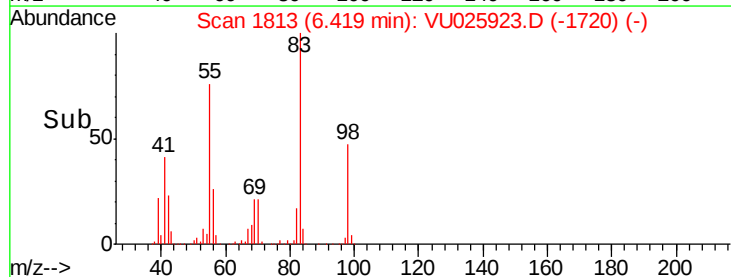
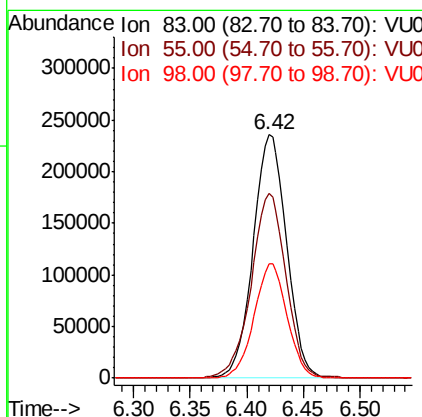
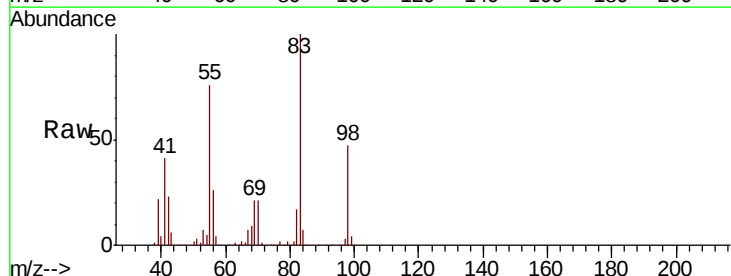
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0531

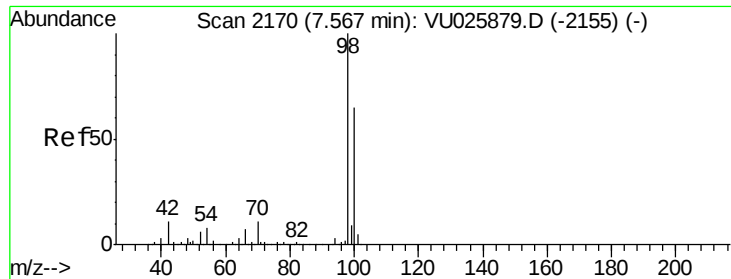
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.7	122.5
192	21.6	17.1	25.7



#39
 Methylcyclohexane
 Concen: 102.74 ug/l
 RT: 6.42 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VU025923.D
 Acq: 07 Aug 2018 06:35

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.0	90.0
98	46.7	36.1	54.1





#50

Toluene-d8

Concen: 48.36 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

Instrument :

MSVOA_U

ClientSampleId :

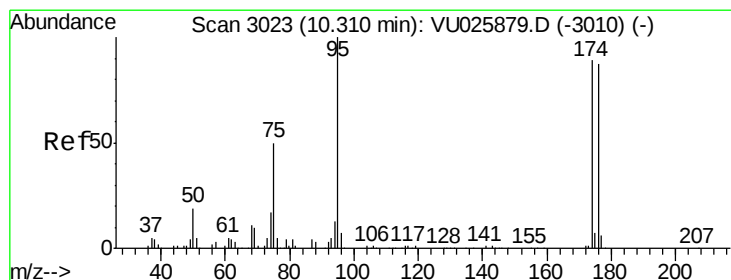
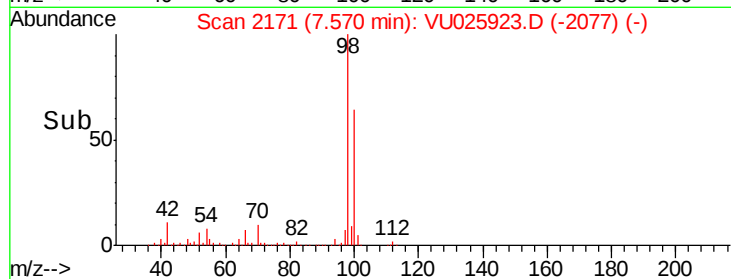
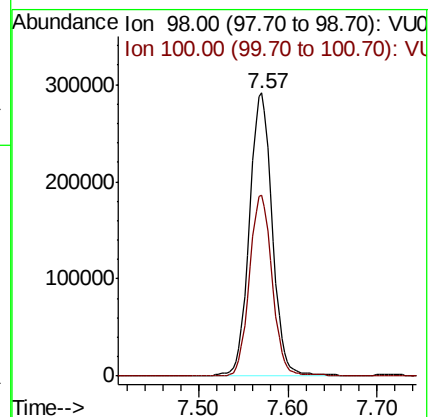
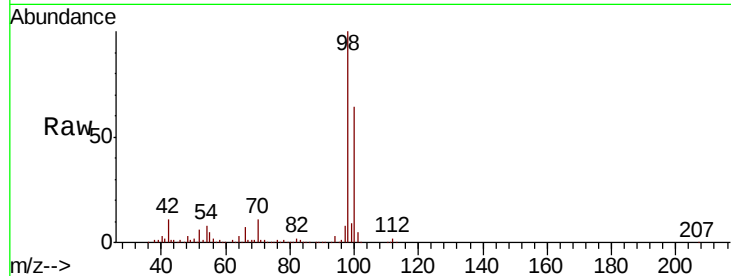
FL-0531

Tot Ion: 98 Resp: 519316

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



#62

4-Bromofluorobenzene

Concen: 48.77 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

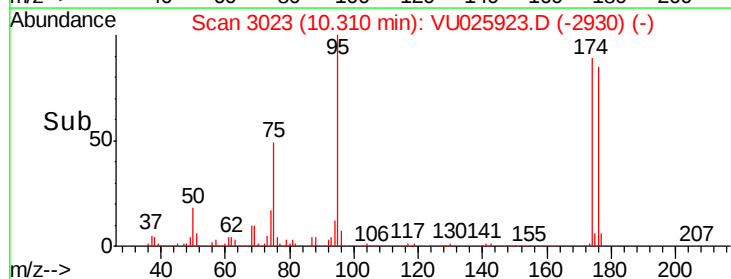
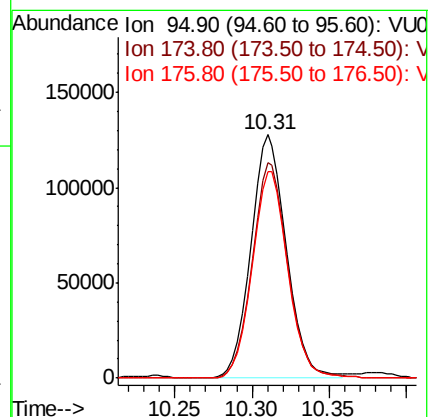
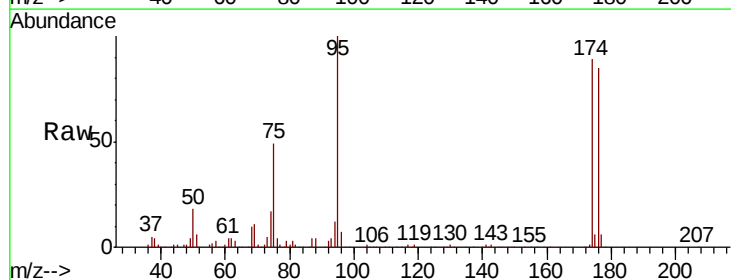
Tgt Ion: 95 Resp: 203308

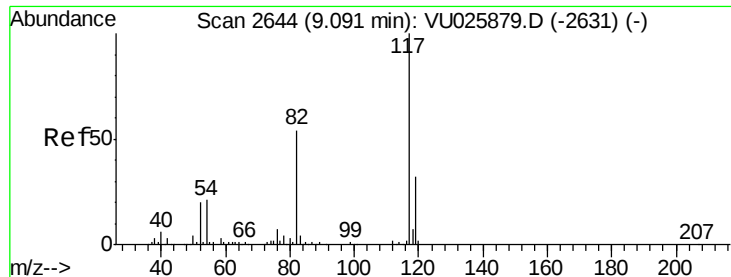
Ion Ratio Lower Upper

95 100

174 88.9 0.0 172.2

176 85.8 0.0 162.6

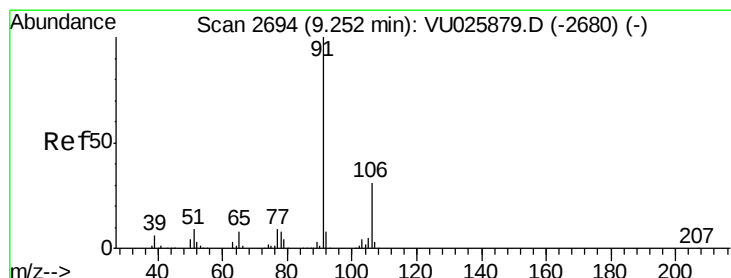
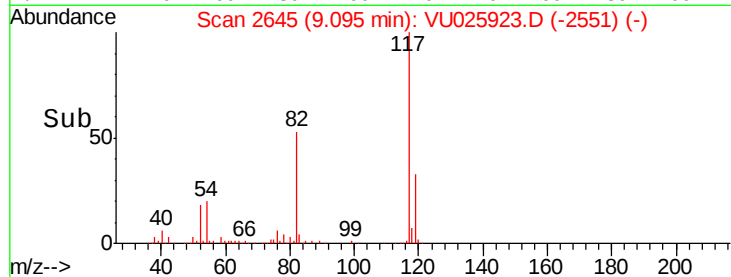
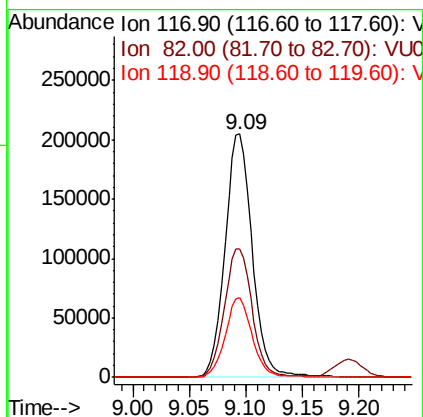
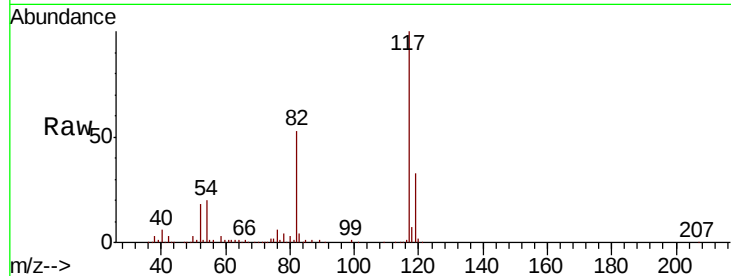




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025923.D
Acq: 07 Aug 2018 06:35

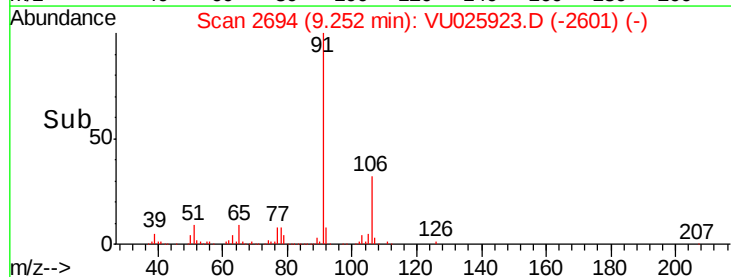
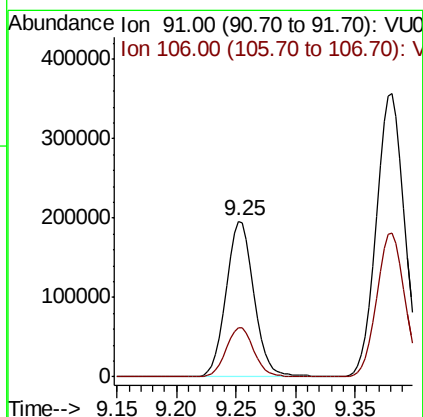
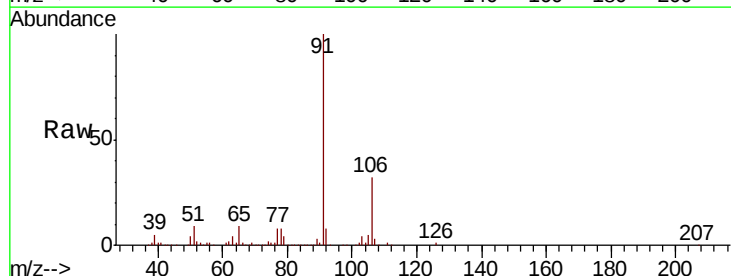
Instrument :
MSVOA_U
ClientSampleId :
FL-0531

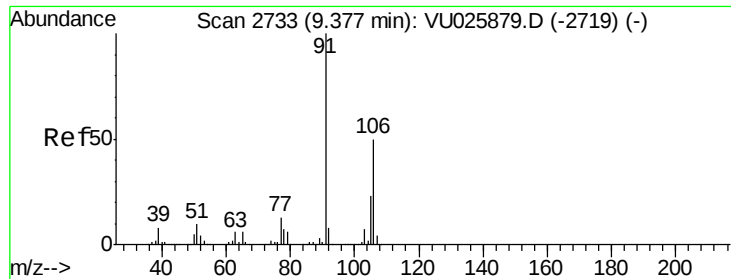
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	46.0	69.0
119	32.5	26.0	39.0



#67
Ethyl Benzene
Concen: 21.76 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025923.D
Acq: 07 Aug 2018 06:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.3	37.9

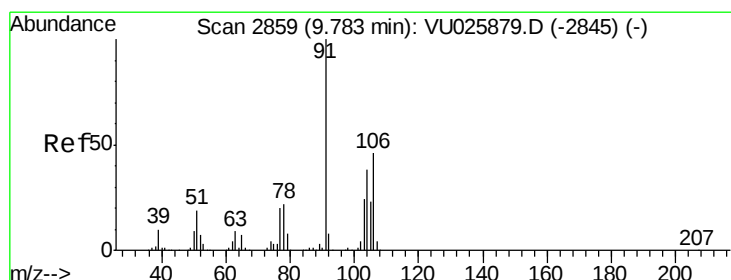
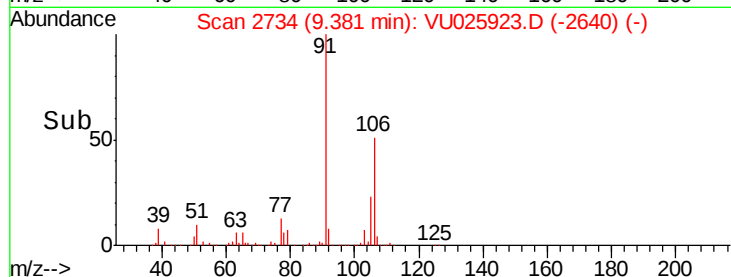
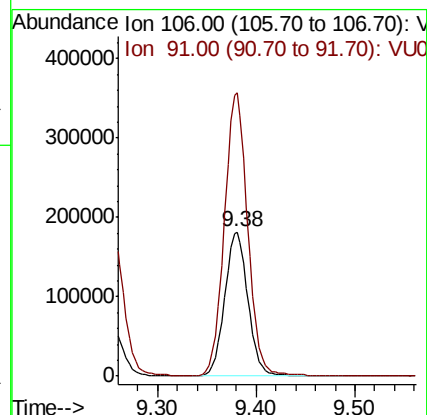
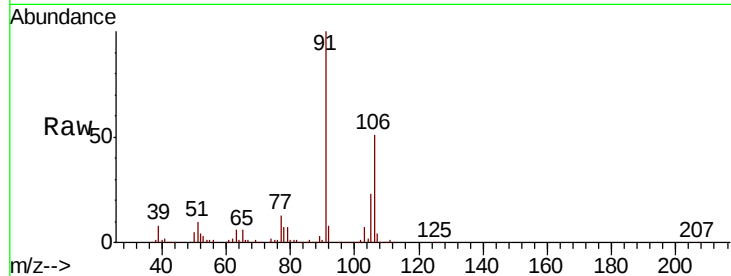




#68
m/p-Xylenes
Concen: 53.44 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025923.D
Acq: 07 Aug 2018 06:35

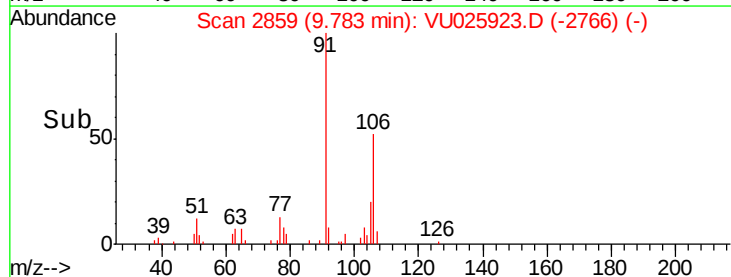
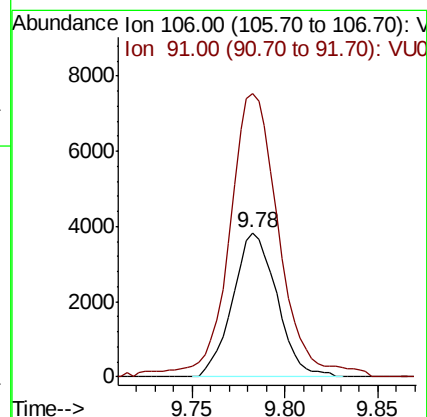
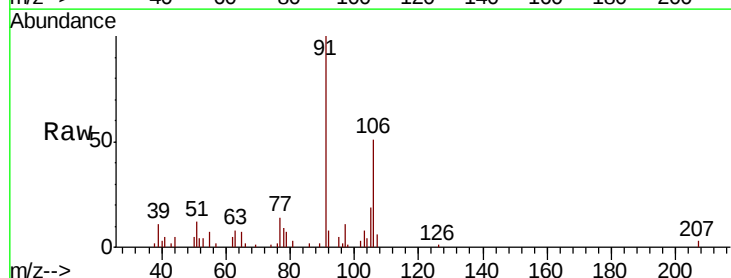
Instrument :
MSVOA_U
ClientSampleId :
FL-0531

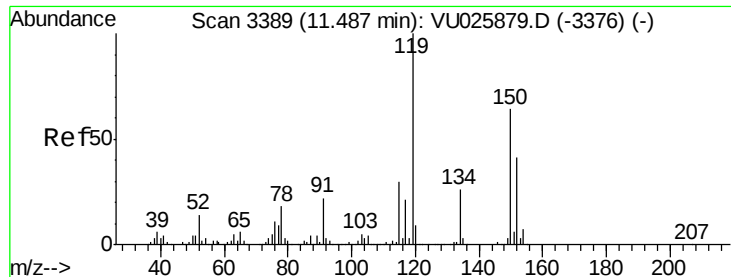
Tot Ion:106 Resp: 300901
Ion Ratio Lower Upper
106 100
91 196.8 162.3 243.5



#69
o-Xylene
Concen: 1.15 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025923.D
Acq: 07 Aug 2018 06:35

Tgt Ion:106 Resp: 6319
Ion Ratio Lower Upper
106 100
91 222.1 105.3 315.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

Instrument :

MSVOA_U

ClientSampleId :

FL-0531

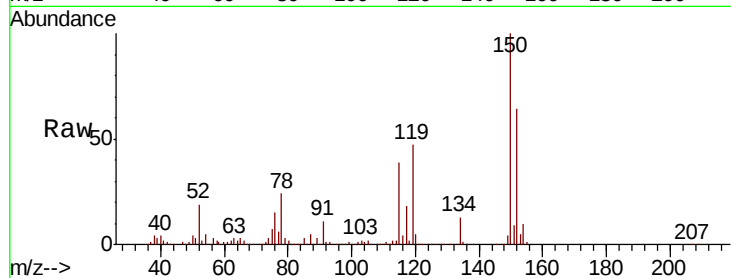
Tot Ion:152 Resp: 221094

Ion Ratio Lower Upper

152 100

115 63.0 40.1 120.3

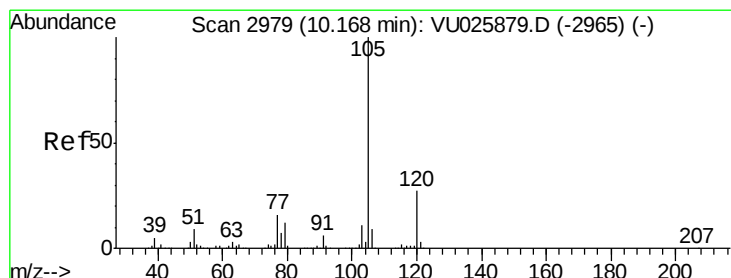
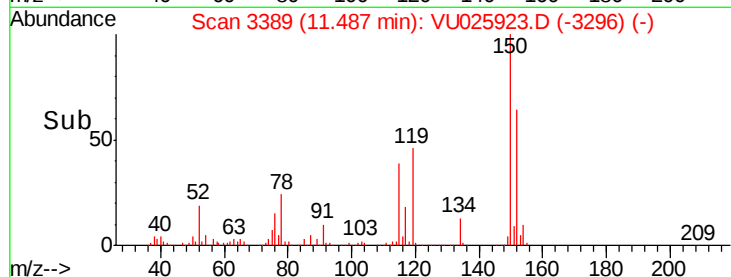
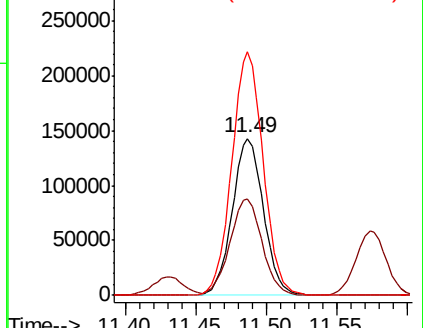
150 156.2 0.0 351.4



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: 29.74 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025923.D

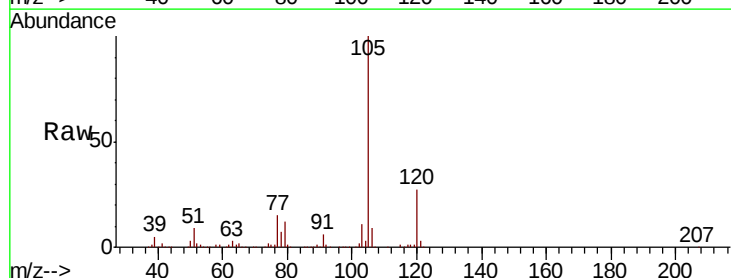
Acq: 07 Aug 2018 06:35

Tgt Ion:105 Resp: 448714

Ion Ratio Lower Upper

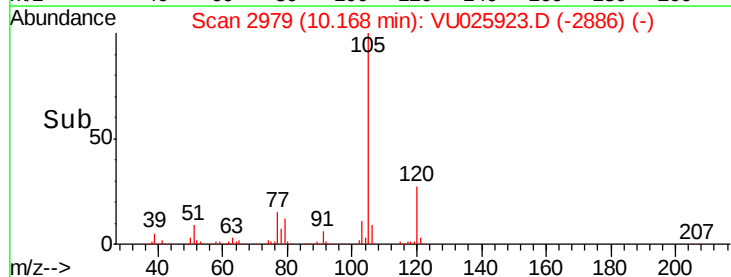
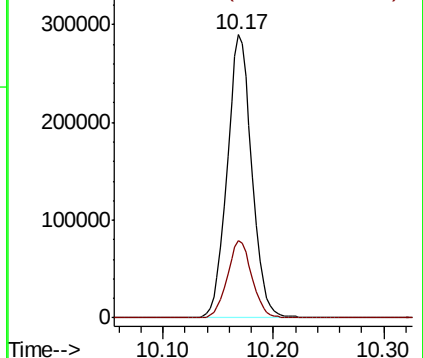
105 100

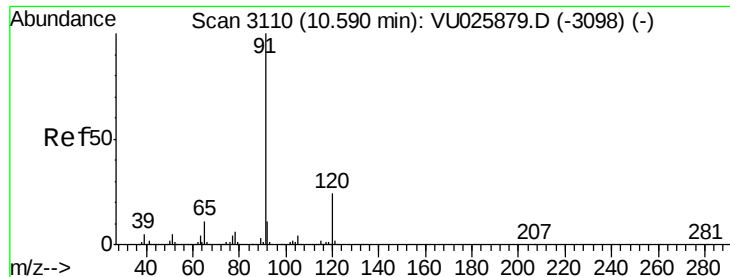
120 27.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 48.30 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

Instrument :

MSVOA_U

ClientSampleId :

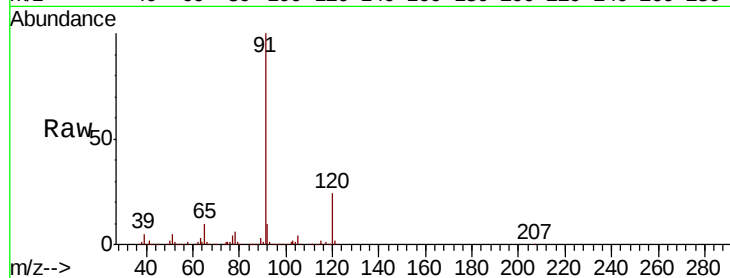
FL-0531

Tot Ion: 91 Resp: 850639

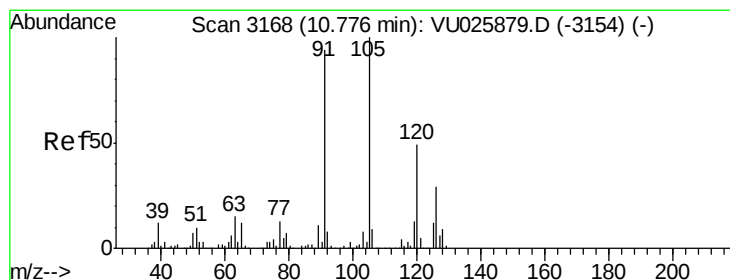
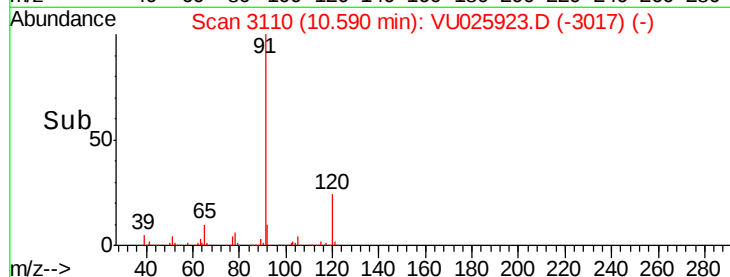
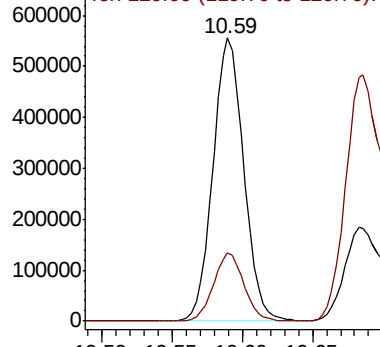
Ion Ratio Lower Upper

91 100

120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU025879.D (-3098) (-)



#80

1,3,5-Trimethylbenzene

Concen: 127.11 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025923.D

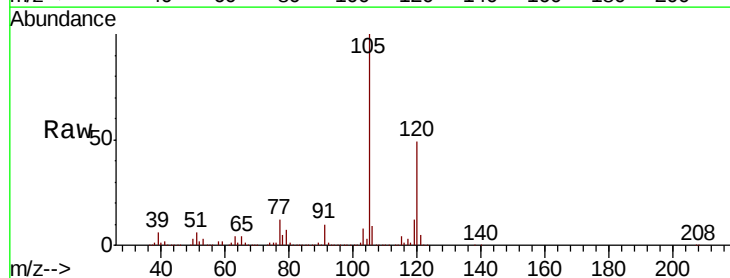
Acq: 07 Aug 2018 06:35

Tgt Ion:105 Resp: 1629005

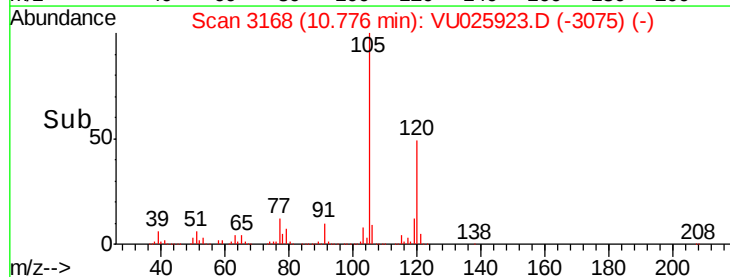
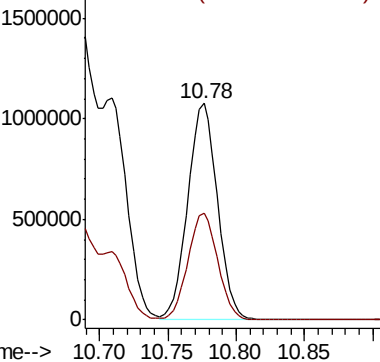
Ion Ratio Lower Upper

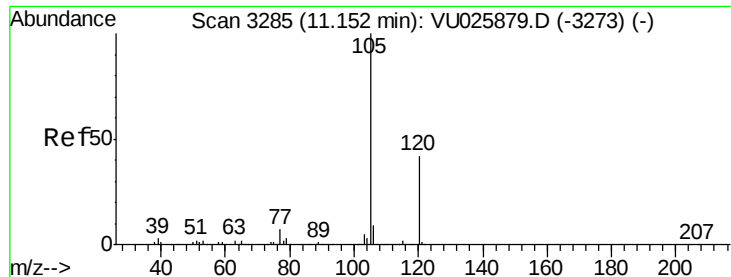
105 100

120 49.7 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025879.D (-3154) (-)





#84

1,2,4-Trimethylbenzene

Concen: 389.34 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025923.D

Acq: 07 Aug 2018 06:35

Instrument :

MSVOA_U

ClientSampled :

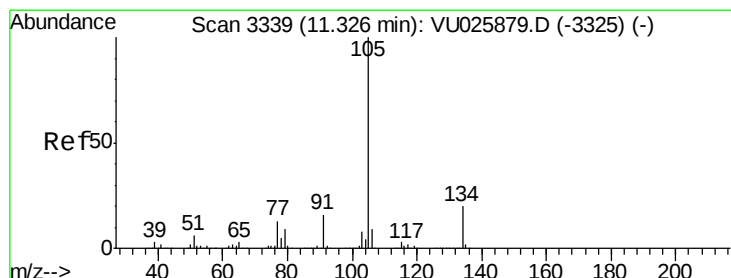
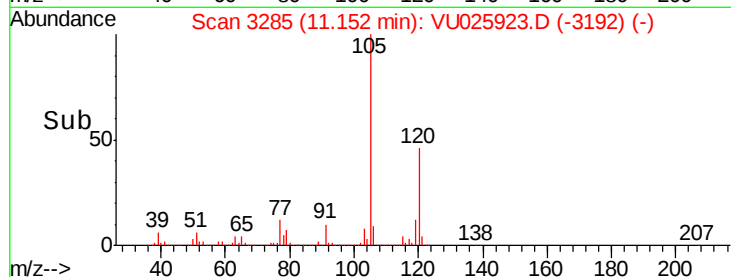
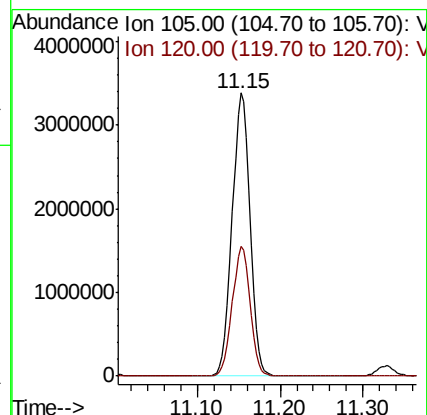
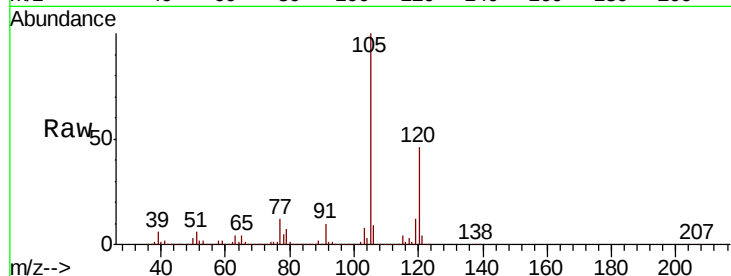
FL-0531

Tot Ion:105 Resp: 5056265

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.8



#85

sec-Butylbenzene

Concen: 12.08 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025923.D

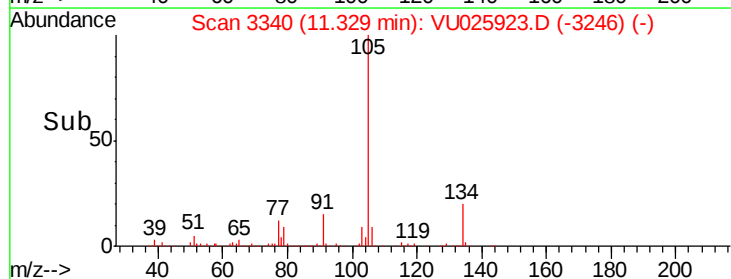
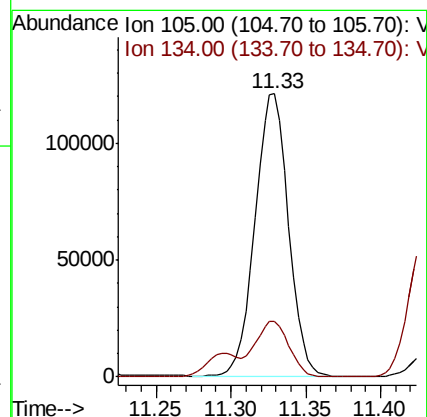
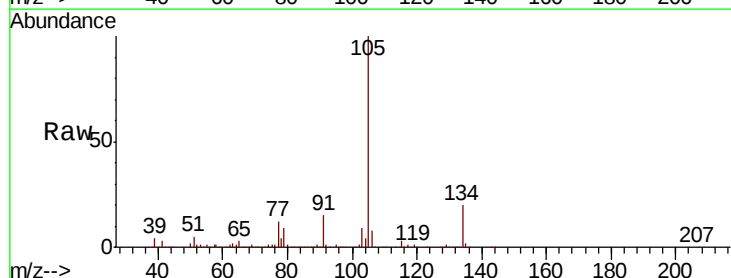
Acq: 07 Aug 2018 06:35

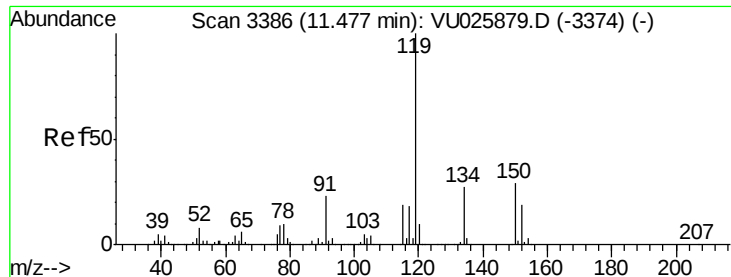
Tgt Ion:105 Resp: 187740

Ion Ratio Lower Upper

105 100

134 19.9 10.3 30.8

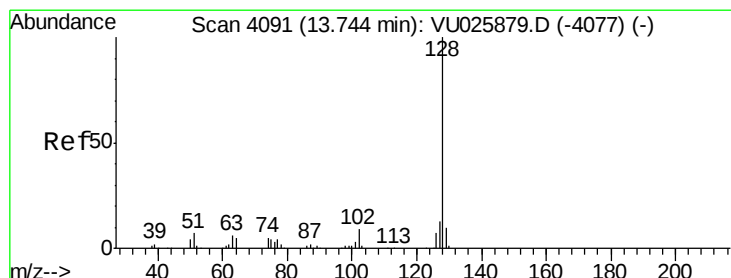
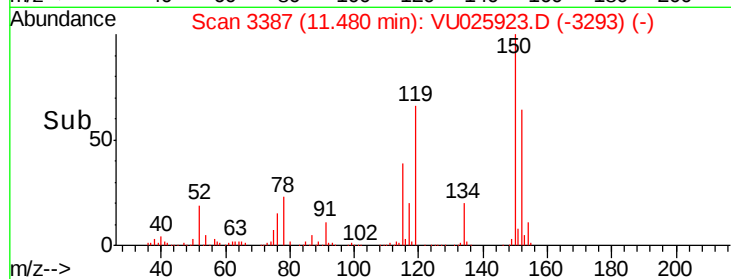
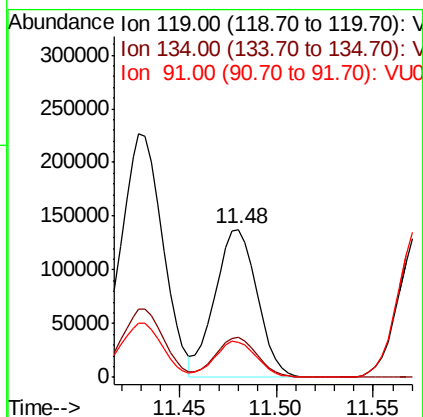
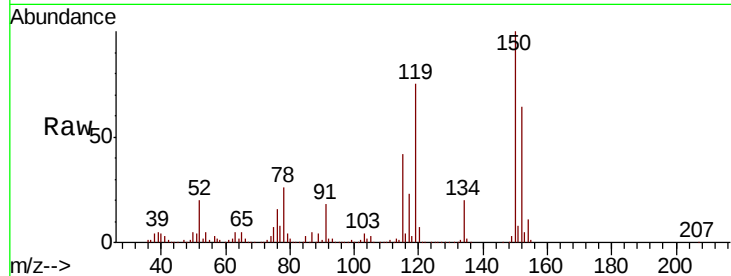




#86
p-Isopropyltoluene
Concen: 15.09 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU025923.D
Acq: 07 Aug 2018 06:35

Instrument :
MSVOA_U
ClientSampled :
FL-0531

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.2	39.5
91	23.7	12.0	36.1



#95
Naphthalene
Concen: 34.60 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025923.D
Acq: 07 Aug 2018 06:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.9	8.3	12.5

