

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080618\
 Data File : VU025926.D
 Acq On : 07 Aug 2018 07:45
 Operator : MD/SY
 Sample : J4344-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0538

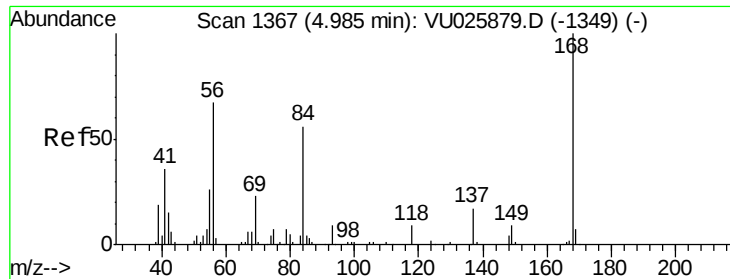
Quant Time: Aug 07 09:09:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 00:49:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	224543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	356286	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	354670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	228171	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	161491	46.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.32%		
35) Dibromofluoromethane	4.89	113	143509	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.62%		
50) Toluene-d8	7.57	98	532296	49.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.18%		
62) 4-Bromofluorobenzene	10.31	95	206923	49.16	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.32%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.00	56	345515	78.27	ug/l	97
39) Methylcyclohexane	6.42	83	562868	117.98	ug/l	99
67) Ethyl Benzene	9.25	91	83815	5.53	ug/l	98
68) m/p-Xylenes	9.38	106	169407	29.13	ug/l	99
69) o-Xylene	9.78	106	19055	3.35	ug/l	91
73) Isopropylbenzene	10.17	105	378713	24.32	ug/l	99
78) n-propylbenzene	10.59	91	679667	37.39	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	1001747	75.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2873902	214.43	ug/l	98
85) sec-Butylbenzene	11.33	105	131446	8.19	ug/l	98
86) p-Isopropyltoluene	11.48	119	85685	5.96	ug/l	99
95) Naphthalene	13.74	128	358463	21.88	ug/l	98

(#) = 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: VU025926.D

Acq: 07 Aug 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

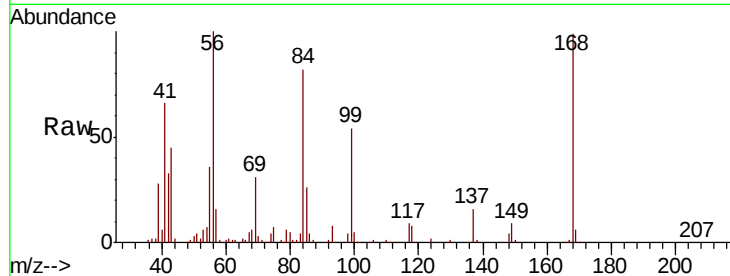
FL-0538

Tot Ion:168 Resp: 224543

Ion Ratio Lower Upper

168 100

99 54.6 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) (-)

120000

100000

80000

60000

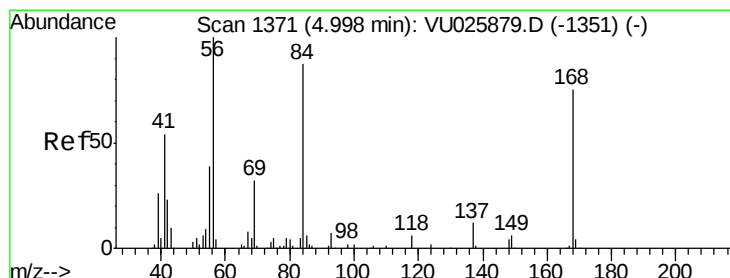
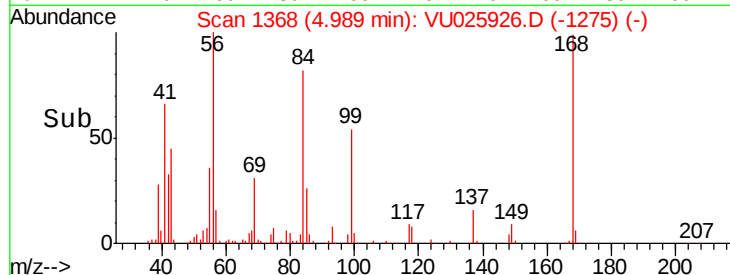
40000

20000

0

4.90 5.00 5.10

Time-->



#31

Cyclohexane

Concen: 78.27 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

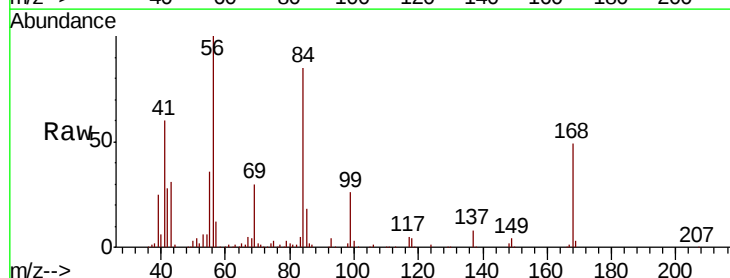
Tgt Ion: 56 Resp: 345515

Ion Ratio Lower Upper

56 100

69 30.1 26.8 40.2

84 84.8 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) (-)

200000

150000

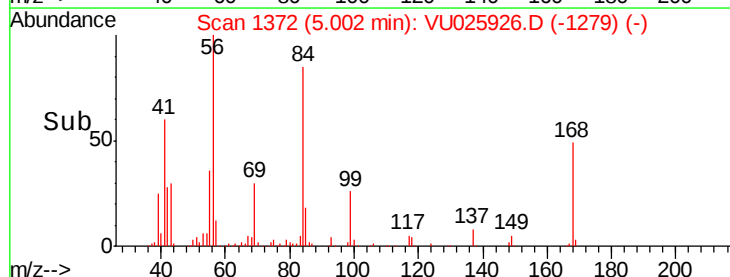
100000

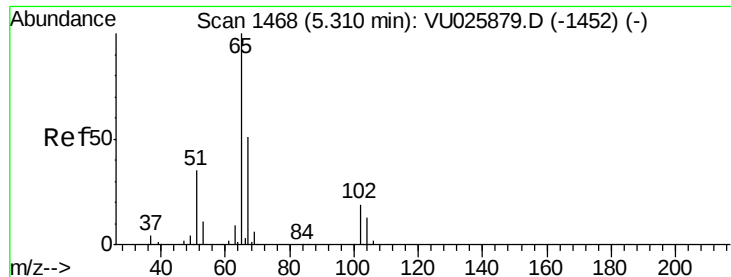
50000

0

4.90 4.95 5.00 5.05 5.10

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.16 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

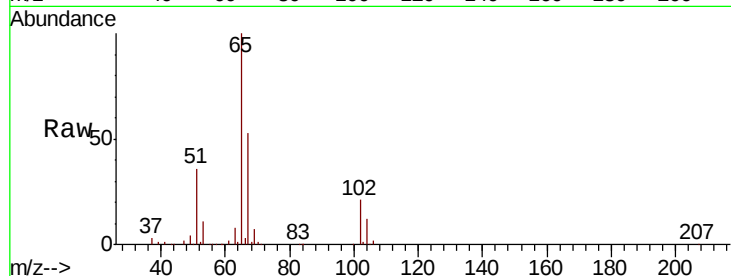
FL-0538

Tot Ion: 65 Resp: 161491

Ion Ratio Lower Upper

65 100

67 52.9 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) (-)

5.31

80000

60000

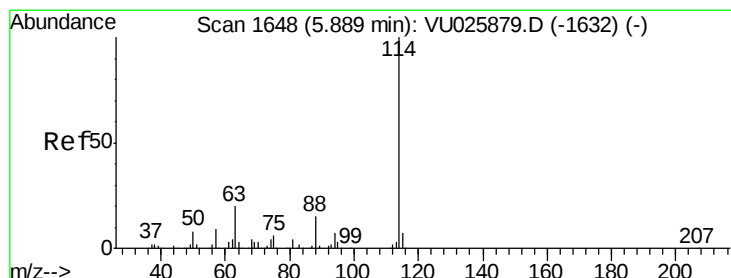
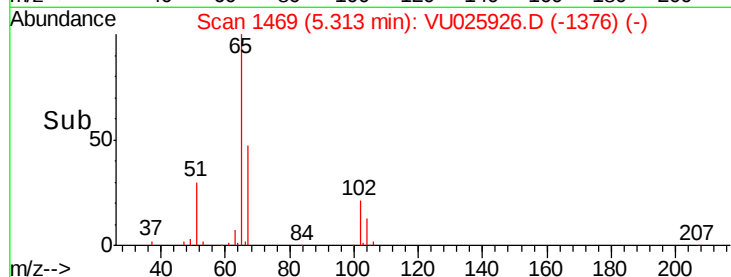
40000

20000

0

5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

Tgt Ion: 114 Resp: 356286

Ion Ratio Lower Upper

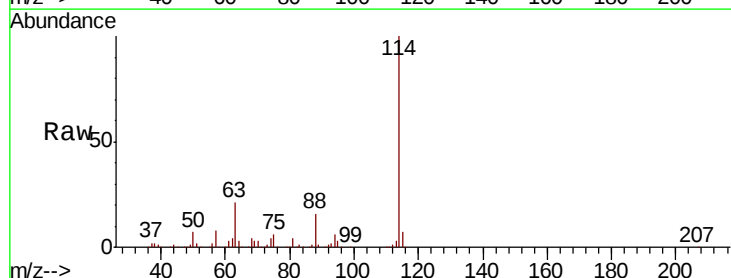
114 100

63 20.5

88 16.1

0.0 41.6

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

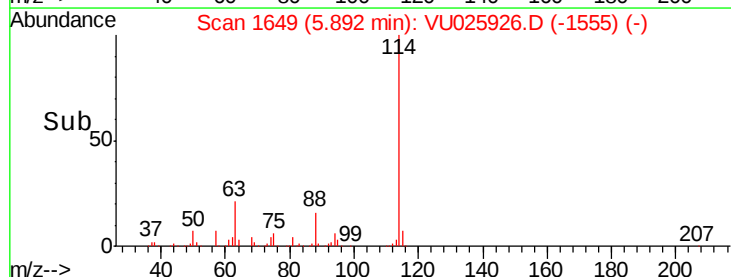
100000

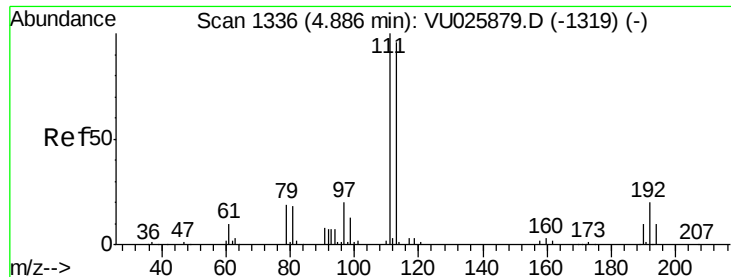
50000

0

5.80 5.90 6.00

Time-->

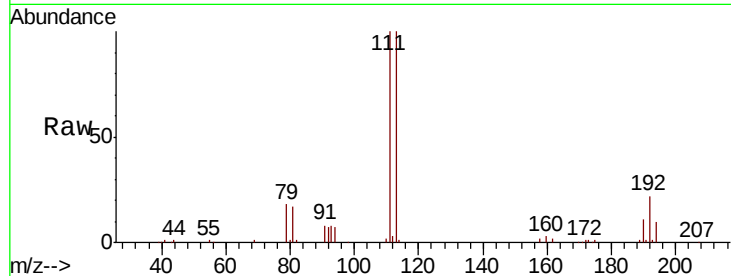




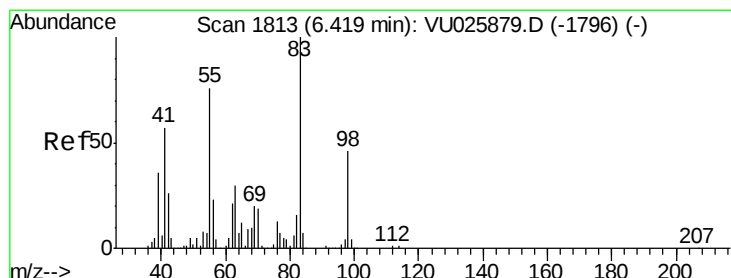
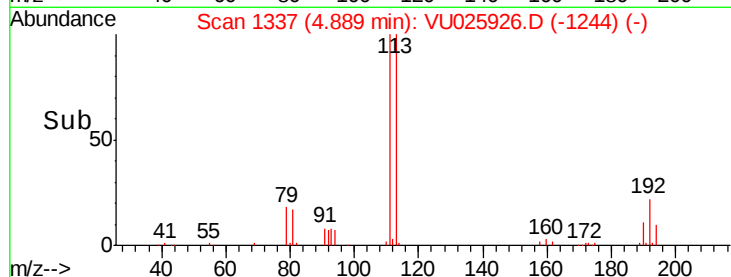
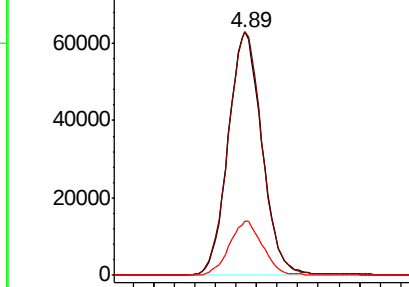
#35
Dibromofluoromethane
Concen: 46.31 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025926.D
Acq: 07 Aug 2018 07:45

Instrument :
MSVOA_U
ClientSampleId :
FL-0538

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.7	122.5
192	21.9	17.1	25.7

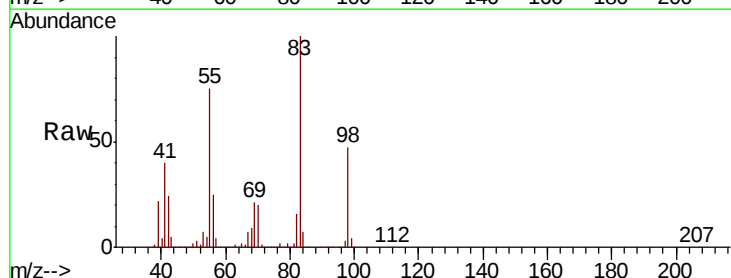


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

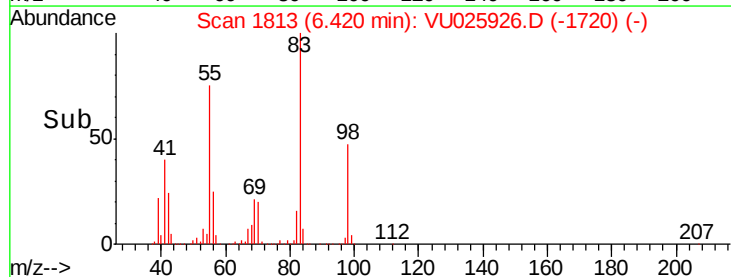
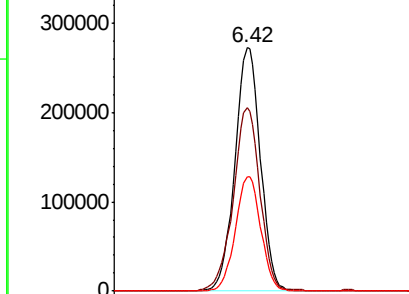


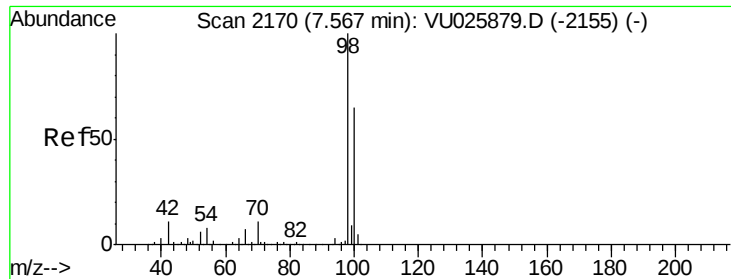
#39
Methylcyclohexane
Concen: 117.98 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025926.D
Acq: 07 Aug 2018 07:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.5	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





#50

Toluene-d8

Concen: 49.09 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

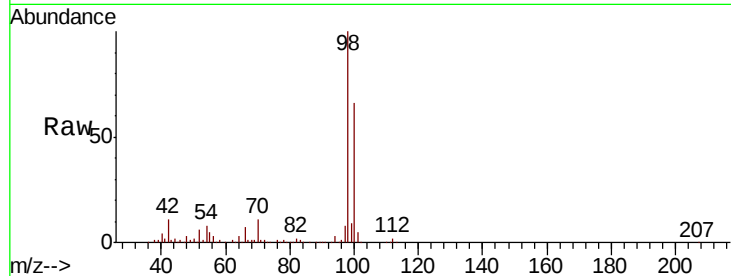
FL-0538

Tot Ion: 98 Resp: 532296

Ion Ratio Lower Upper

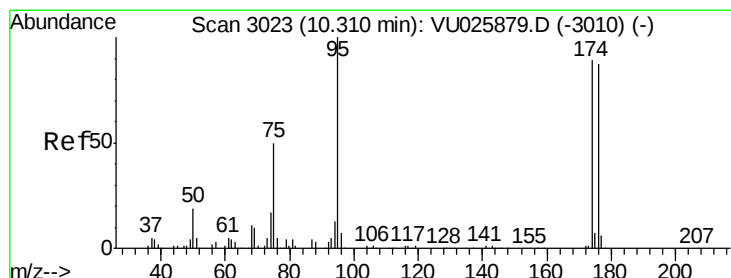
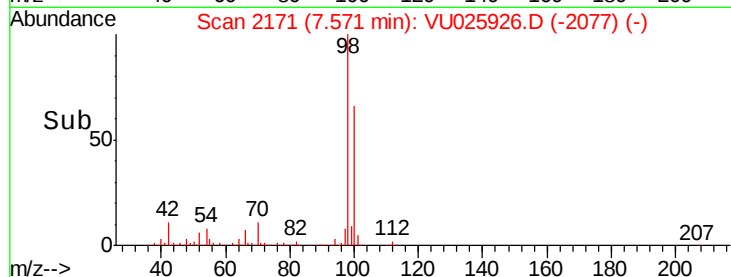
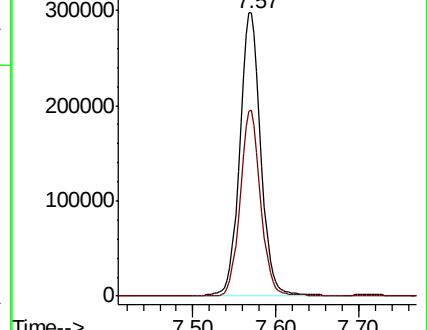
98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU



#62

4-Bromofluorobenzene

Concen: 49.16 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

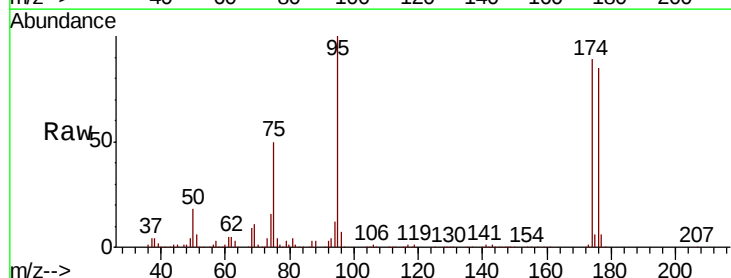
Tgt Ion: 95 Resp: 206923

Ion Ratio Lower Upper

95 100

174 90.4 0.0 172.2

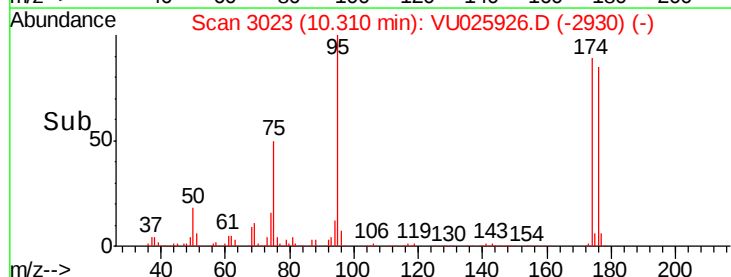
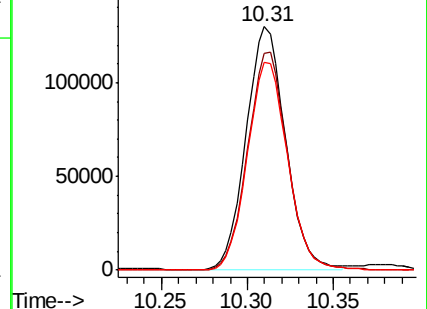
176 87.1 0.0 162.6

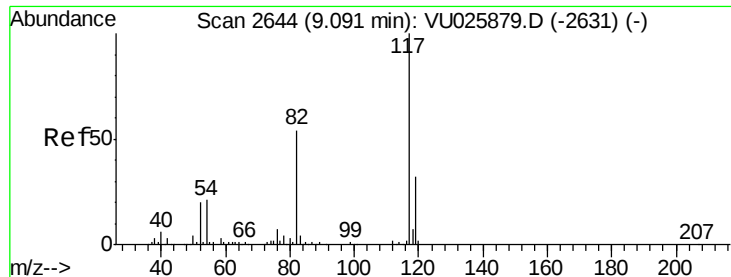


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

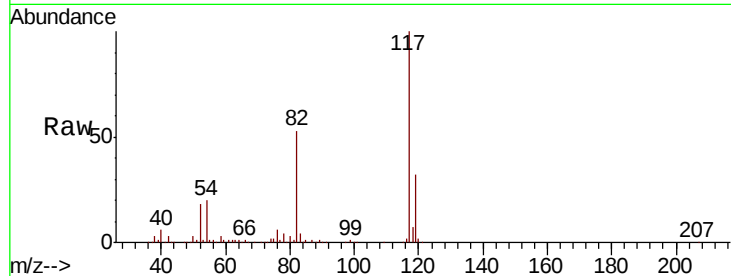




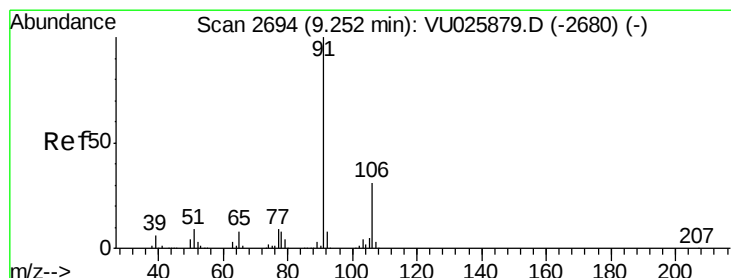
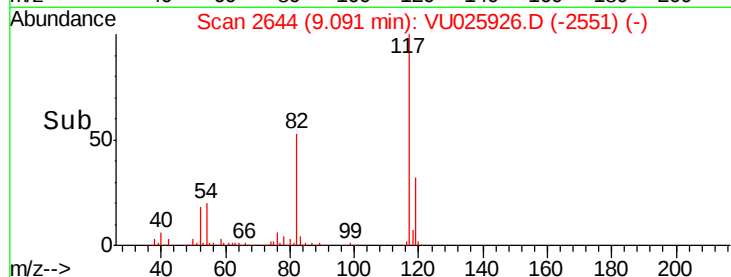
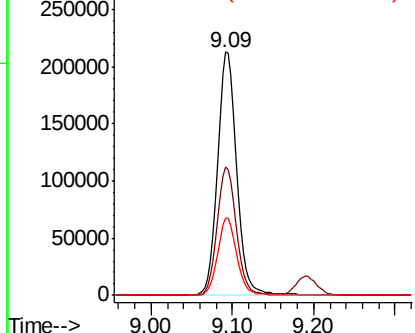
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025926.D
Acq: 07 Aug 2018 07:45

Instrument :
MSVOA_U
ClientSampled :
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Tot Ion:117 Resp: 354670
Ion Ratio Lower Upper
117 100
82 52.5 46.0 69.0
119 31.9 26.0 39.0

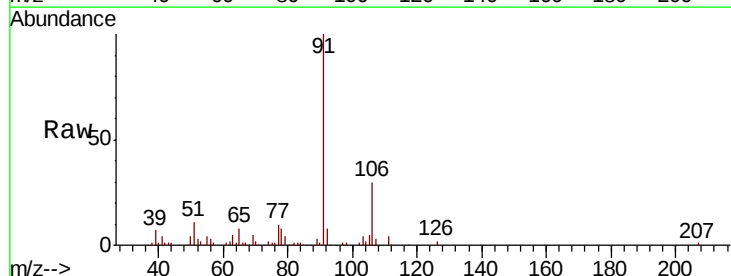


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

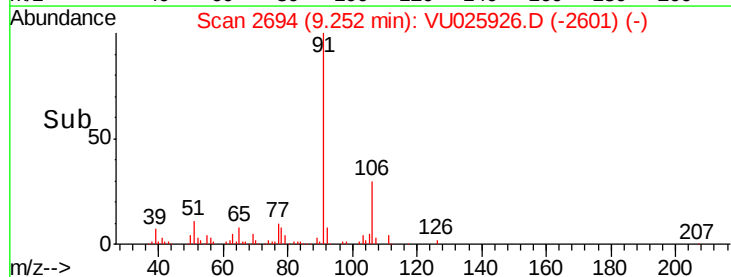
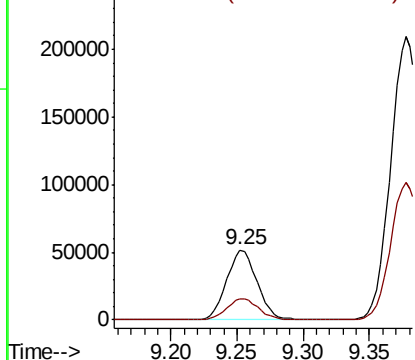


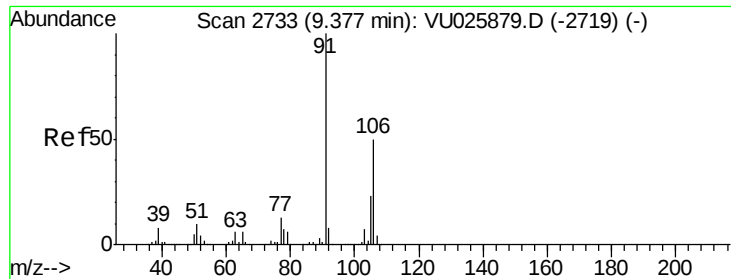
#67
Ethyl Benzene
Concen: 5.53 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025926.D
Acq: 07 Aug 2018 07:45

Tgt Ion: 91 Resp: 83815
Ion Ratio Lower Upper
91 100
106 30.4 25.3 37.9



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

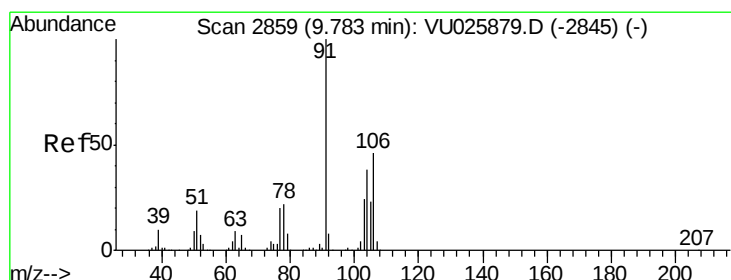
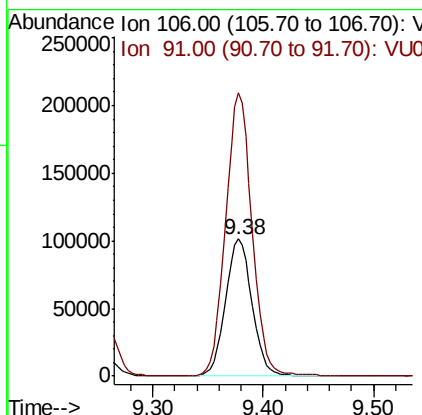
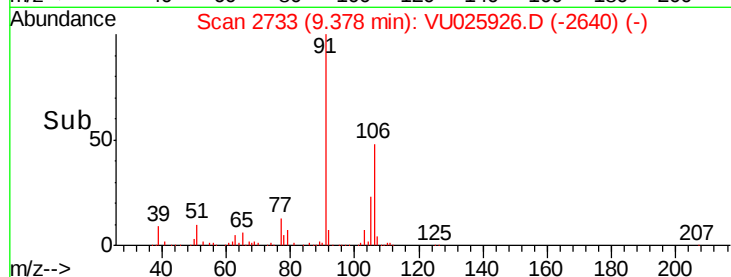
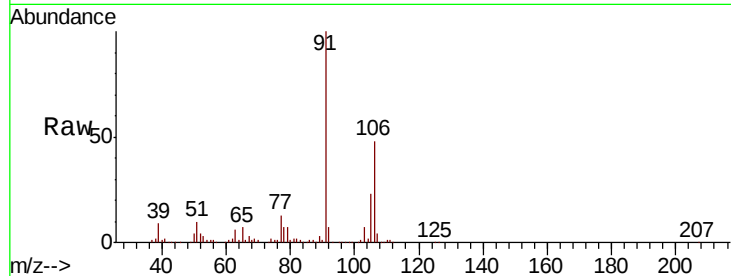




#68
m/p-Xylenes
Concen: 29.13 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025926.D
Acq: 07 Aug 2018 07:45

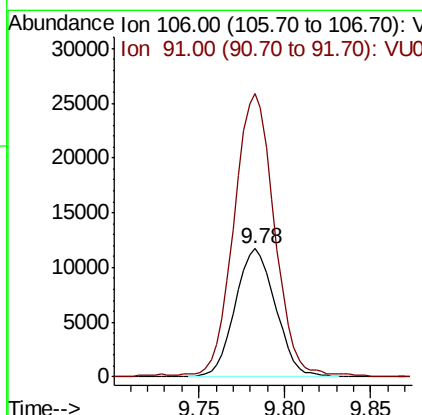
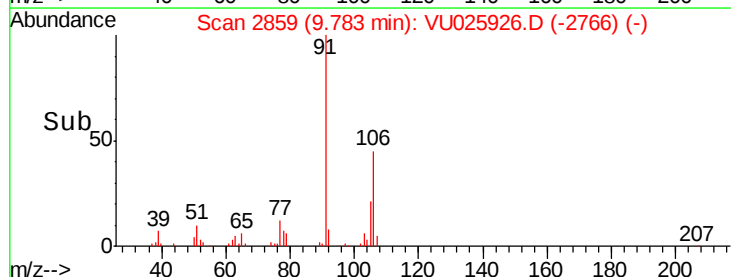
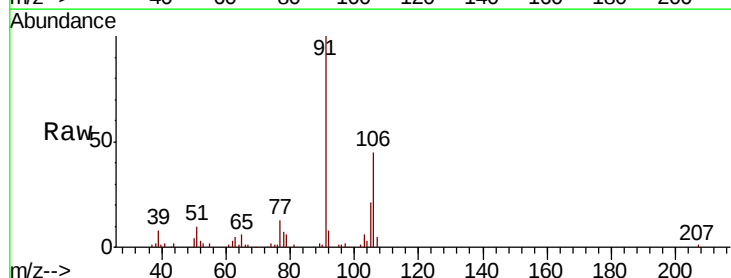
Instrument :
MSVOA_U
ClientSampleId :
FL-0538

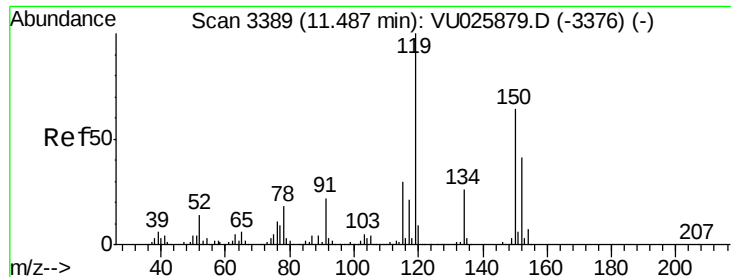
Tot Ion:106 Resp: 169407
Ion Ratio Lower Upper
106 100
91 204.9 162.3 243.5



#69
o-Xylene
Concen: 3.35 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025926.D
Acq: 07 Aug 2018 07:45

Tgt Ion:106 Resp: 19055
Ion Ratio Lower Upper
106 100
91 223.8 105.3 315.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

FL-0538

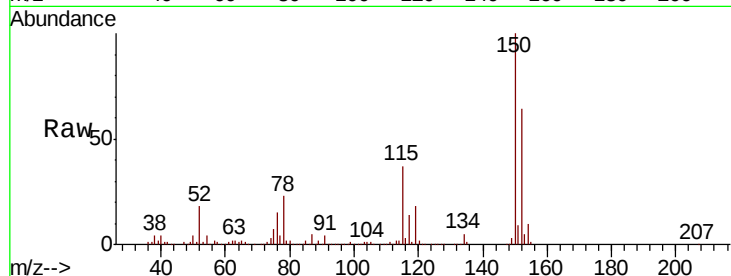
Tot Ion:152 Resp: 228171

Ion Ratio Lower Upper

152 100

115 58.8 40.1 120.3

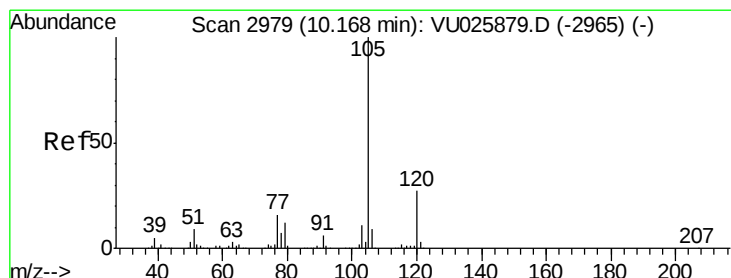
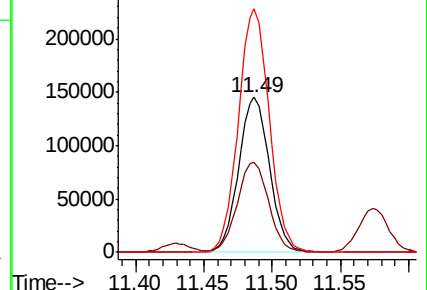
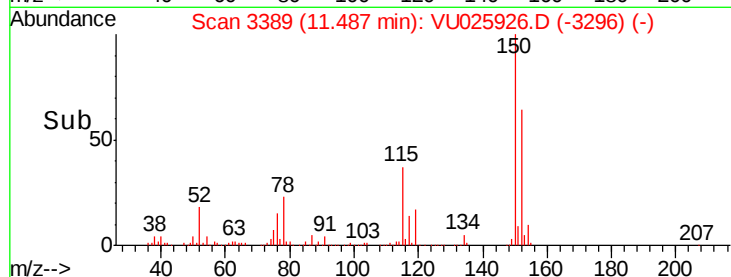
150 157.7 0.0 351.4



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: 24.32 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025926.D

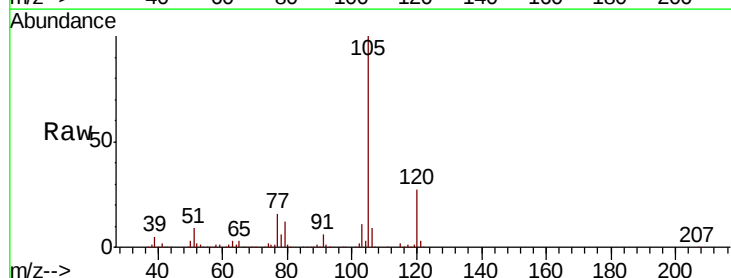
Acq: 07 Aug 2018 07:45

Tgt Ion:105 Resp: 378713

Ion Ratio Lower Upper

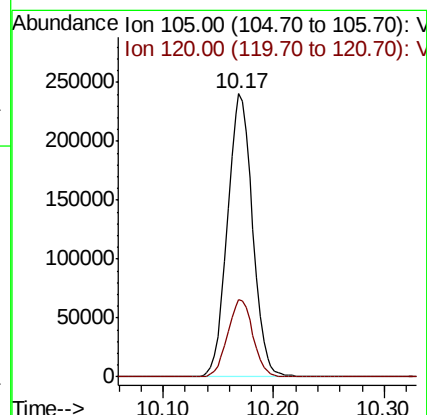
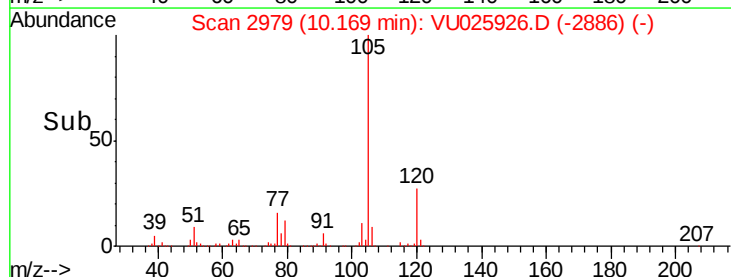
105 100

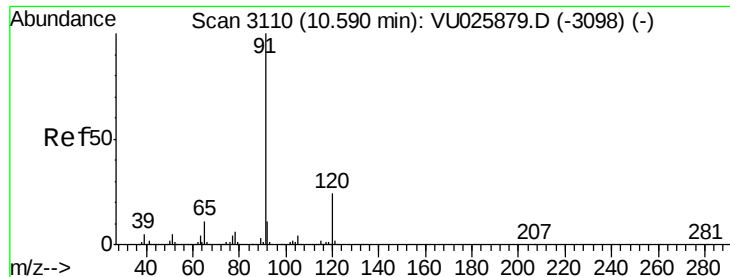
120 27.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 37.39 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

Instrument :

MSVOA_U

ClientSampled :

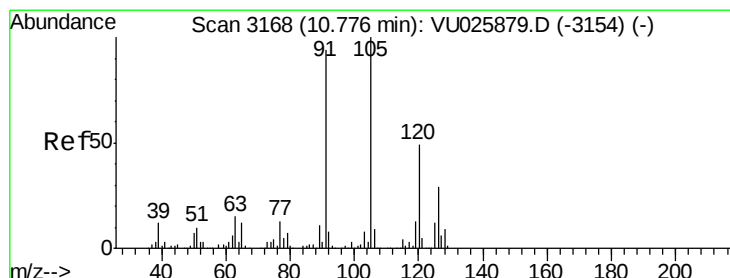
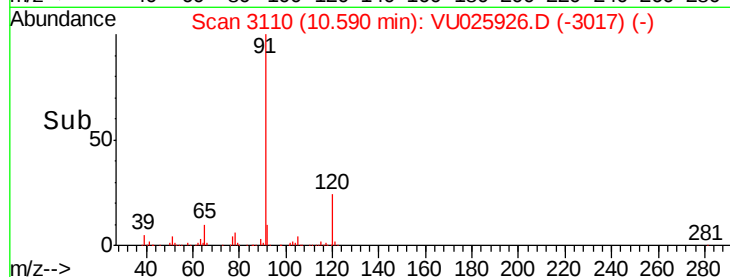
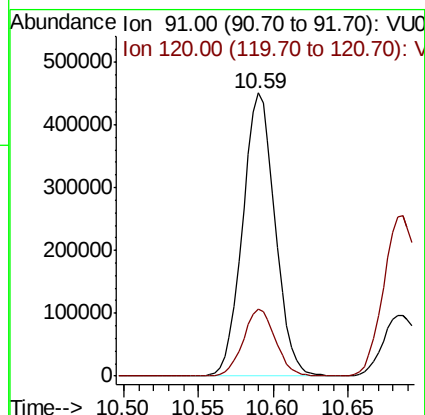
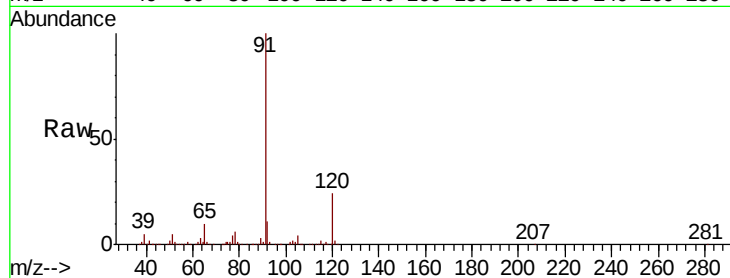
FL-0538

Tot Ion: 91 Resp: 679667

Ion Ratio Lower Upper

91 100

120 23.6 11.8 35.3



#80

1,3,5-Trimethylbenzene

Concen: 75.74 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025926.D

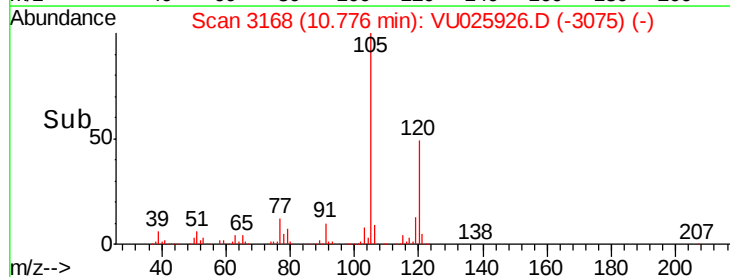
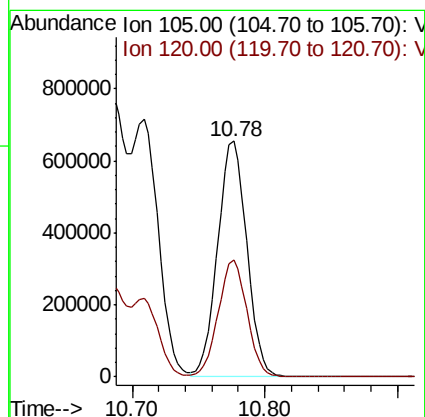
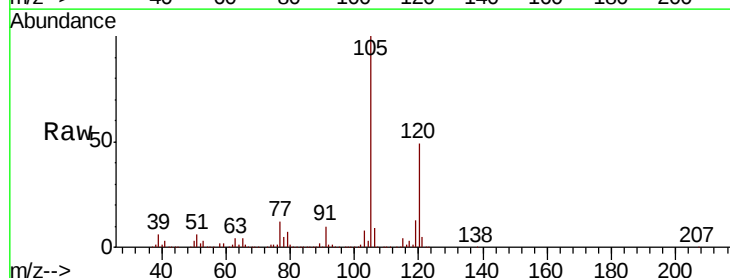
Acq: 07 Aug 2018 07:45

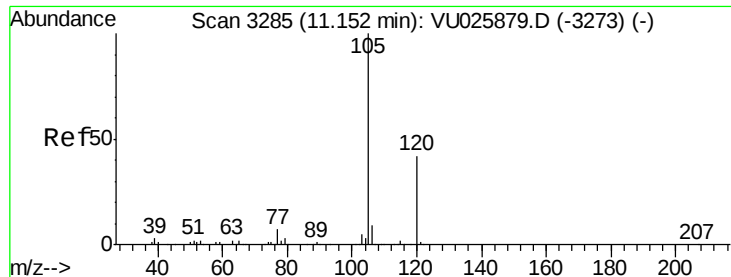
Tgt Ion: 105 Resp: 1001747

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.2





#84

1,2,4-Trimethylbenzene

Concen: 214.43 ug/l

RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025926.D

Acq: 07 Aug 2018 07:45

Instrument :

MSVOA_U

ClientSampleId :

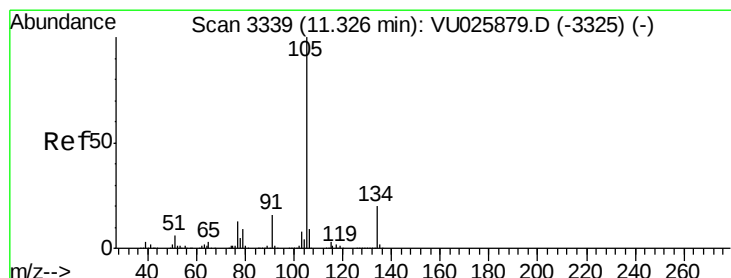
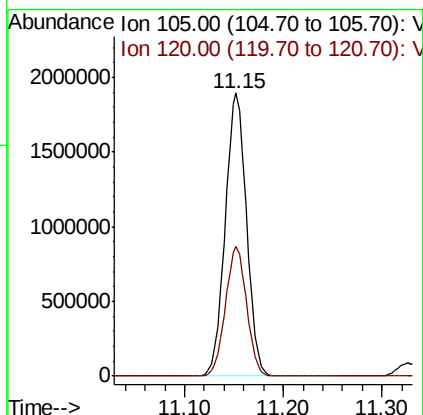
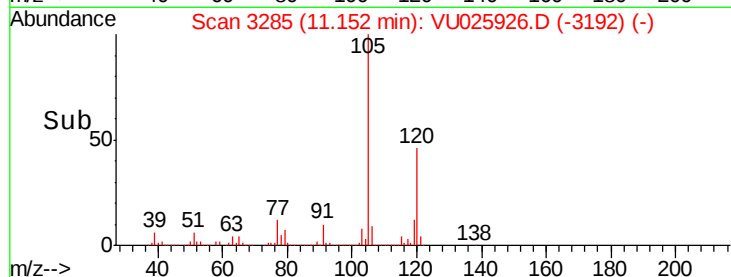
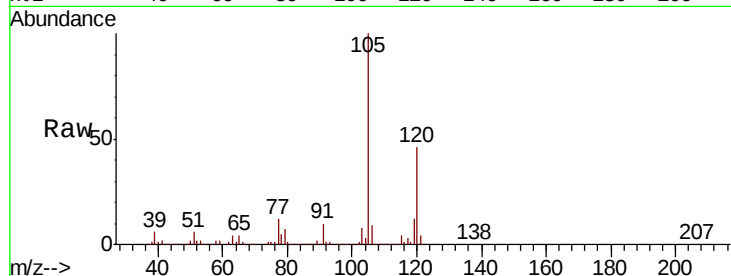
FL-0538

Tot Ion:105 Resp: 2873902

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.8



#85

sec-Butylbenzene

Concen: 8.19 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025926.D

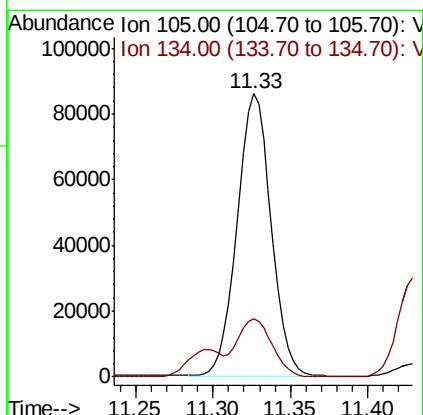
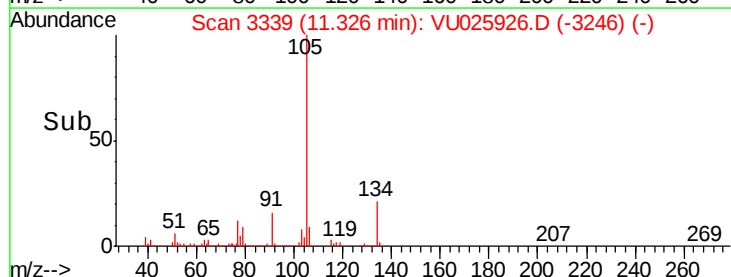
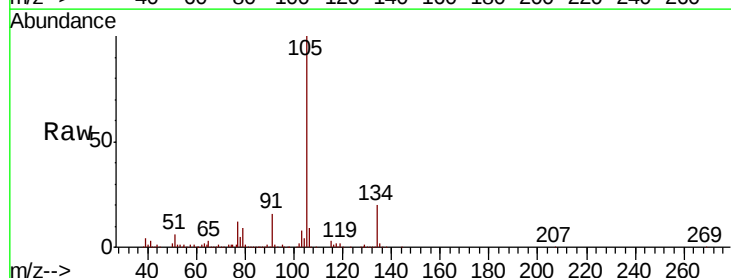
Acq: 07 Aug 2018 07:45

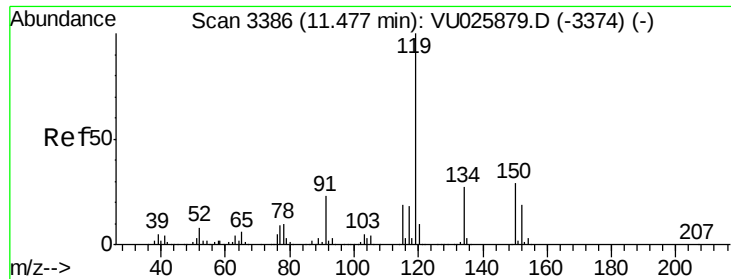
Tgt Ion:105 Resp: 131446

Ion Ratio Lower Upper

105 100

134 21.3 10.3 30.8

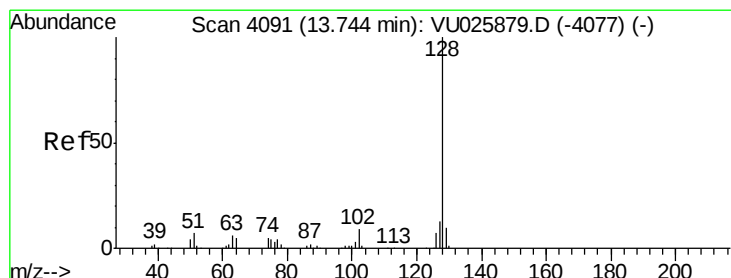
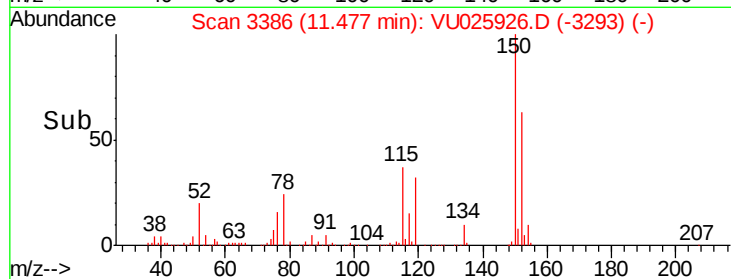
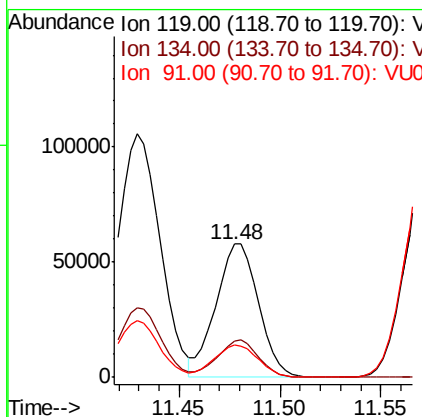
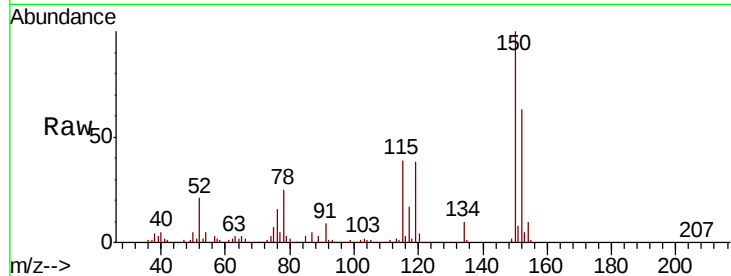




#86
 p-Isopropyltoluene
 Concen: 5.96 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025926.D
 Acq: 07 Aug 2018 07:45

Instrument :
 MSVOA_U
 ClientSampled :
 FL-0538

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	24.9	12.0	36.1



#95
 Naphthalene
 Concen: 21.88 ug/l
 RT: 13.74 min Scan# 4091
 Delta R.T. 0.00 min
 Lab File: VU025926.D
 Acq: 07 Aug 2018 07:45

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	12.0	8.3	12.5

