

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080618\
 Data File : VU025928.D
 Acq On : 07 Aug 2018 08:31
 Operator : MD/SY
 Sample : J4344-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536

Quant Time: Aug 07 08:55:45 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	216773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	348444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	344744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	208770	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	165542	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
35) Dibromofluoromethane	4.89	113	143578	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	7.57	98	512404	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	10.31	95	197677	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	

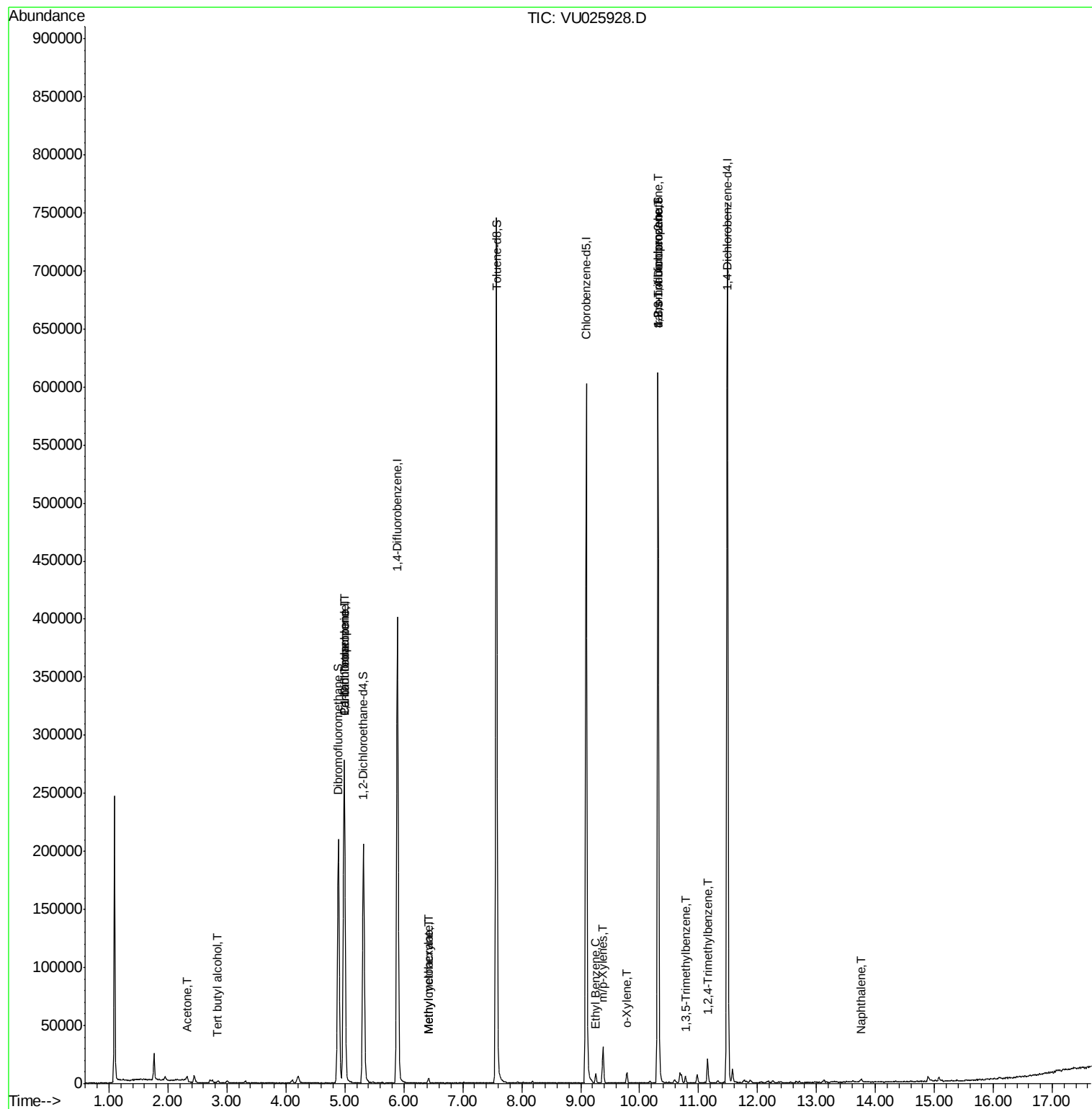
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	398	0.538	ug/l #	73
13) Acrolein	2.29	56	46	Below Cal	#	1
16) Acetone	2.33	43	3365	2.043	ug/l	94
31) Cyclohexane	4.99	56	5146	Below Cal	#	23
36) 1,1-Dichloropropene	4.99	75	15027	3.690	ug/l #	49
38) Carbon Tetrachloride	4.99	117	20668	4.481	ug/l #	16
39) Methylcyclohexane	6.42	83	1811	0.388	ug/l #	90
48) Methyl methacrylate	6.42	41	823	0.241	ug/l #	61
67) Ethyl Benzene	9.26	91	6609	0.449	ug/l	96
68) m/p-Xylenes	9.38	106	9003	1.593	ug/l	99
69) o-Xylene	9.79	106	2642	0.478	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	100884	21.932	ug/l #	37
80) 1,3,5-Trimethylbenzene	10.78	105	3484	0.288	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.31	75	100884	54.994	ug/l #	100
84) 1,2,4-Trimethylbenzene	11.15	105	11861	0.967	ug/l	98
95) Naphthalene	13.75	128	4005	1.503	ug/l	97

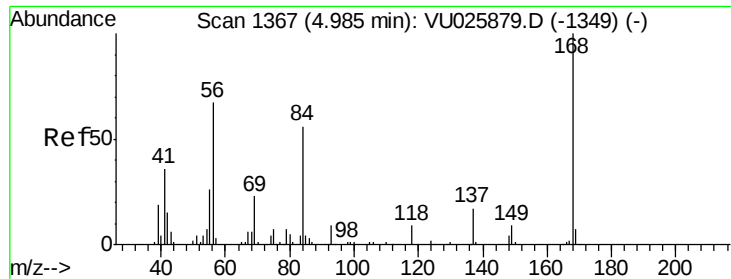
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

Instrument :

MSVOA_U

ClientSampleId :

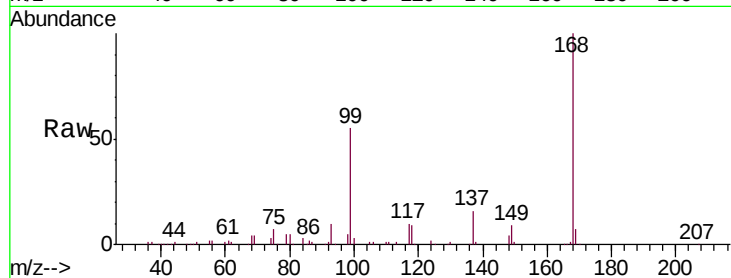
FL-0536

Tgt Ion:168 Resp: 216773

Ion Ratio Lower Upper

168 100

99 54.5 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

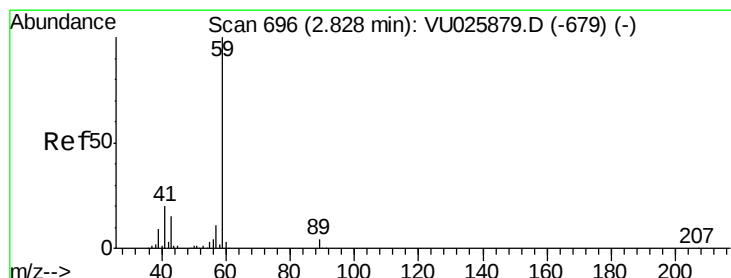
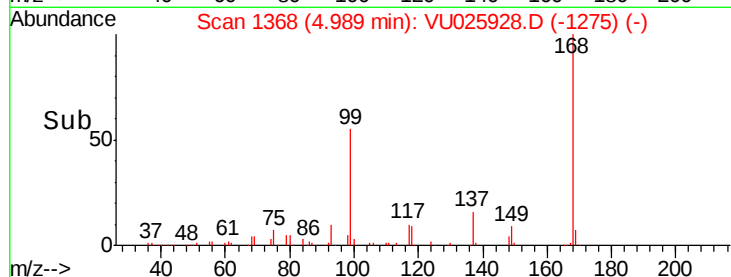
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.538 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.00 min

Lab File: VU025928.D

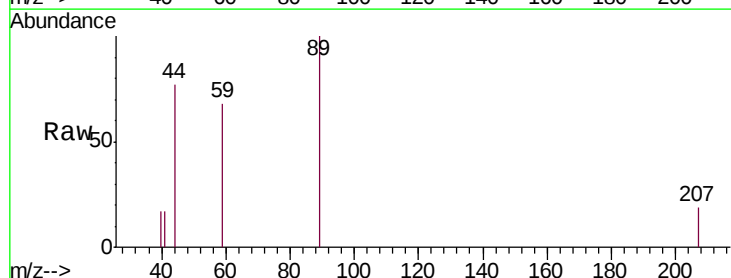
Acq: 07 Aug 2018 08:31

Tgt Ion: 59 Resp: 398

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025879.D (-679) (-)

Ion 57.00 (56.70 to 57.70): VU025879.D (-679) (-)

2.83

600

500

400

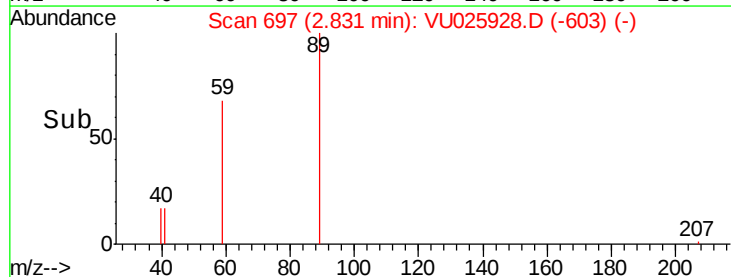
300

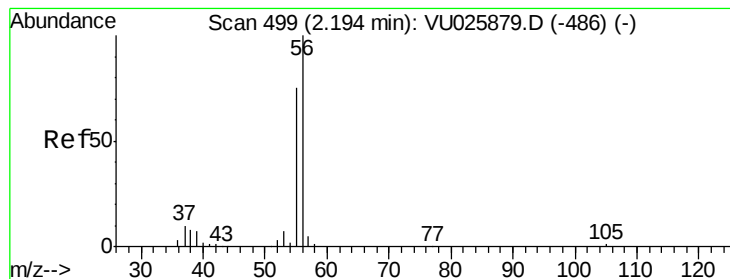
200

100

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 530

Delta R.T. 0.10 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

Instrument :

MSVOA_U

ClientSampleId :

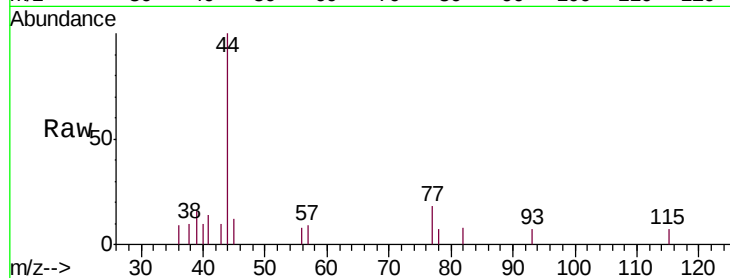
FL-0536

Tgt Ion: 56 Resp: 46

Ion Ratio Lower Upper

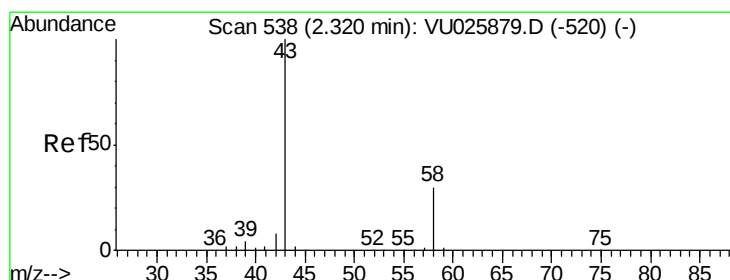
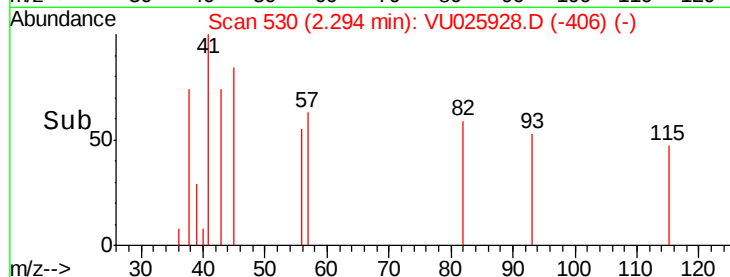
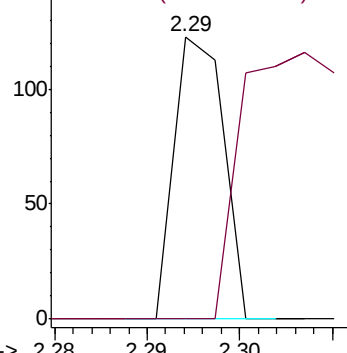
56 100

55 184.8 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#16

Acetone

Concen: 2.043 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025928.D

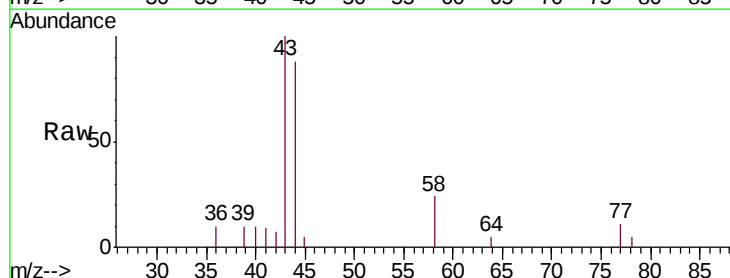
Acq: 07 Aug 2018 08:31

Tgt Ion: 43 Resp: 3365

Ion Ratio Lower Upper

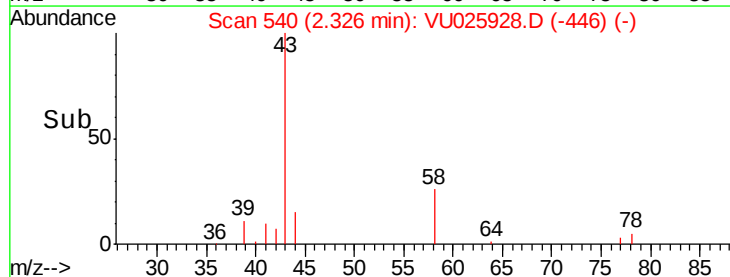
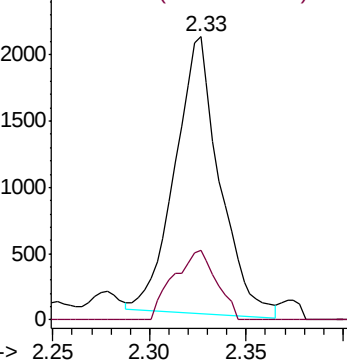
43 100

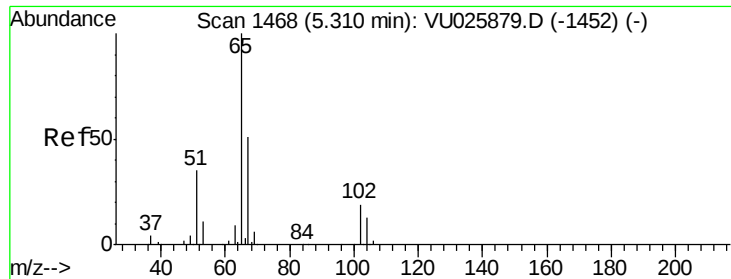
58 25.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

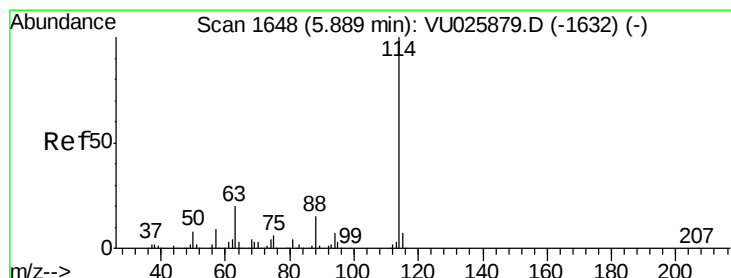
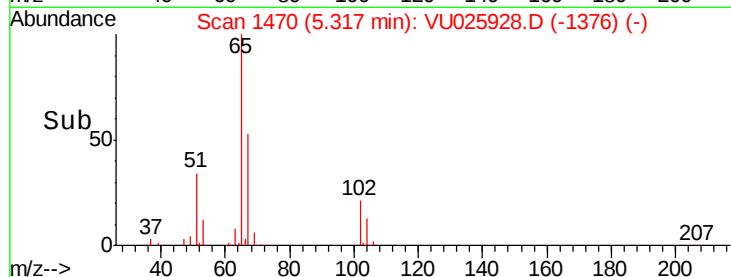
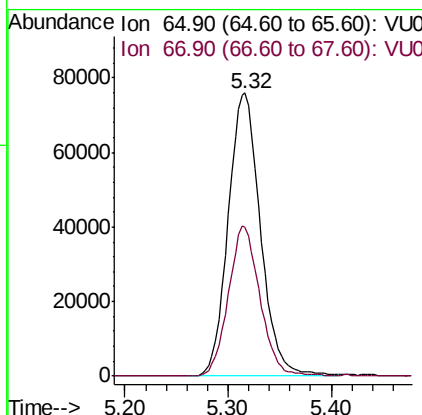
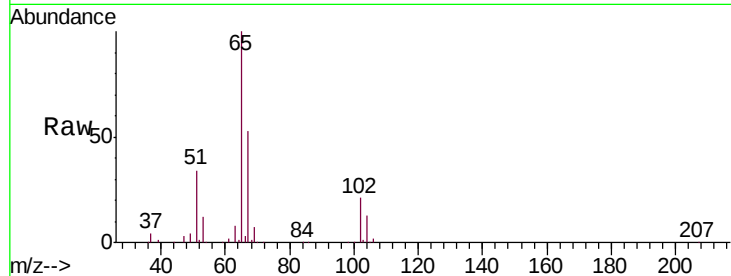




#33
 1,2-Dichloroethane-d4
 Concen: 49.012 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025928.D
 Acq: 07 Aug 2018 08:31

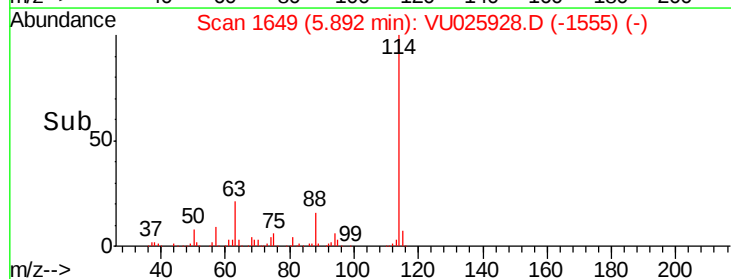
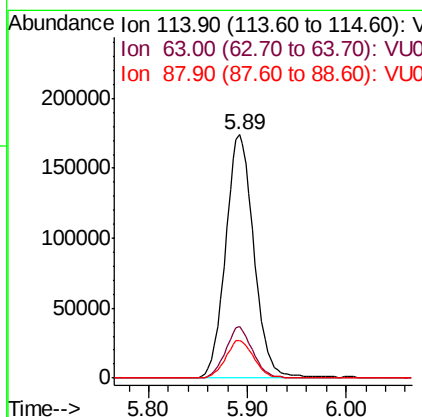
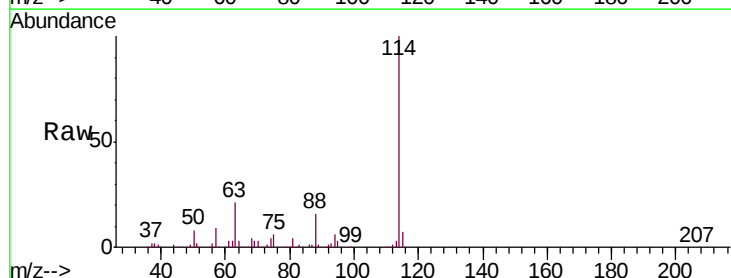
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536

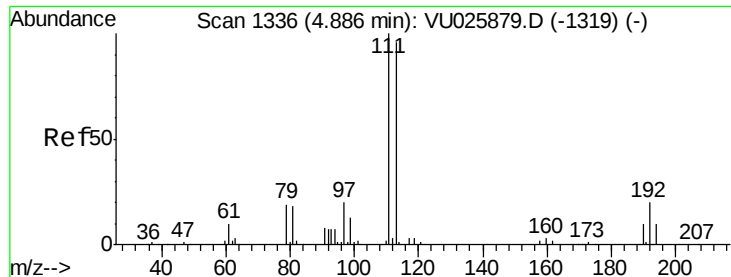
Tgt Ion: 65 Resp: 165542
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025928.D
 Acq: 07 Aug 2018 08:31

Tgt Ion: 114 Resp: 348444
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.6
 88 15.6 0.0 32.4

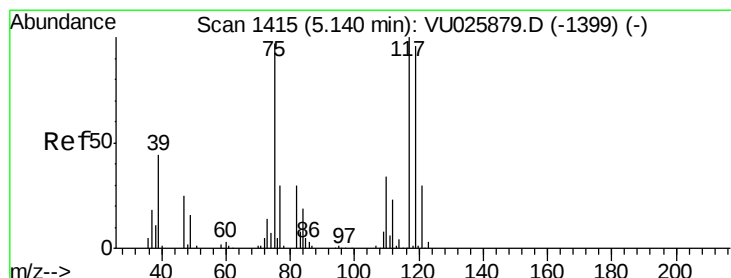
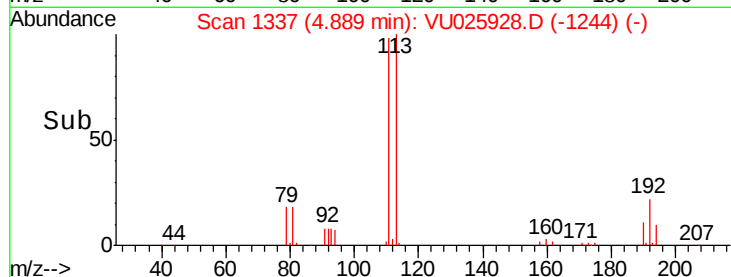
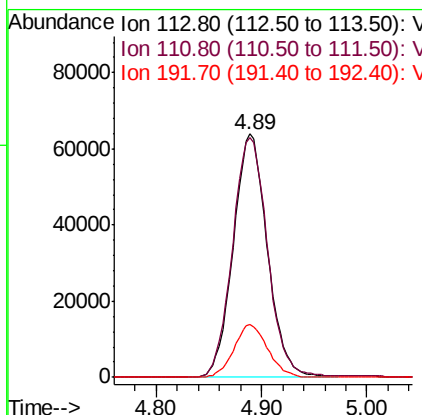
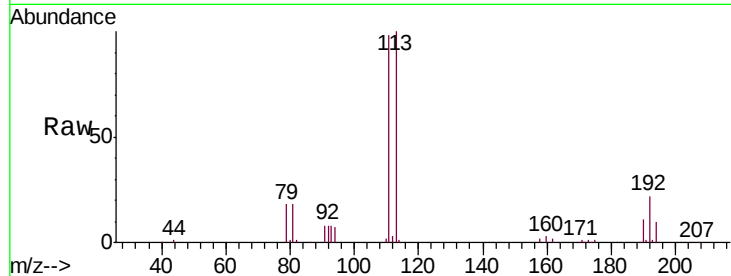




#35
 Dibromofluoromethane
 Concen: 47.376 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025928.D
 Acq: 07 Aug 2018 08:31

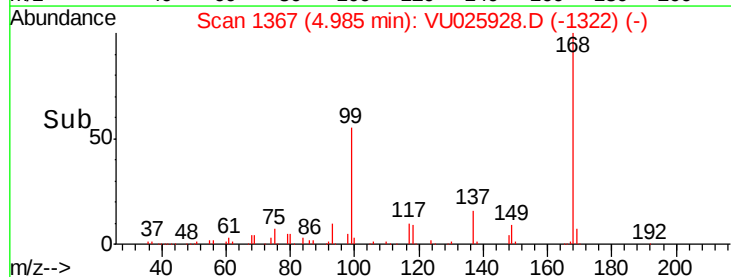
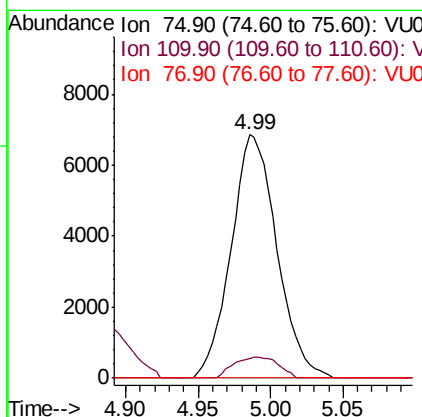
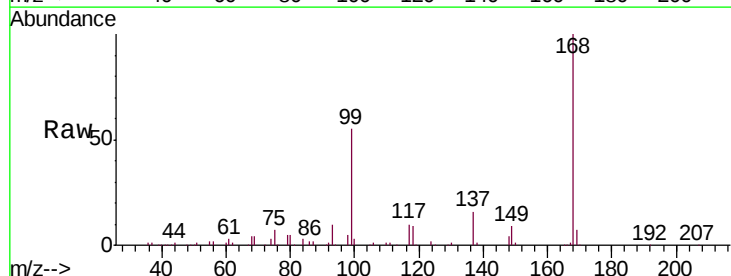
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536

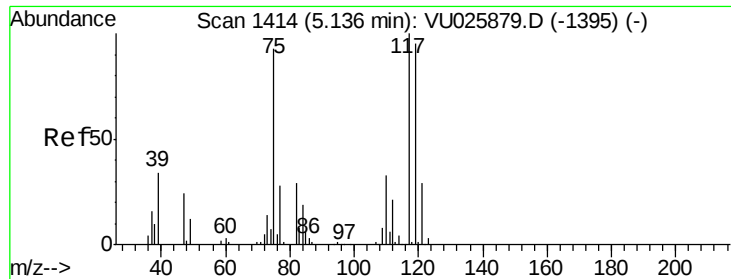
Tgt Ion:113 Resp: 143578
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.7 122.5
 192 21.5 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 3.690 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025928.D
 Acq: 07 Aug 2018 08:31

Tgt Ion: 75 Resp: 15027
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.6 52.9#
 77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.481 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0536

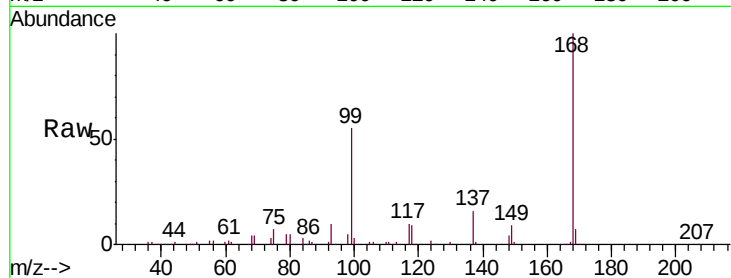
Tgt Ion:117 Resp: 20668

Ion Ratio Lower Upper

117 100

119 4.0 75.7 113.5#

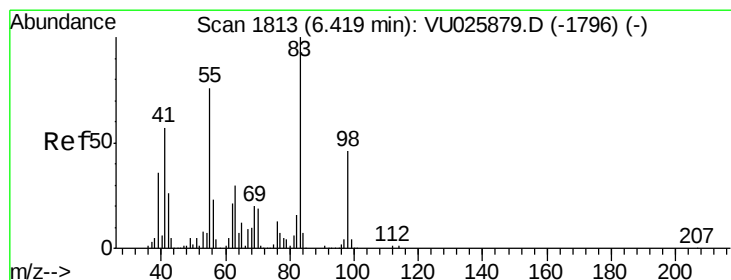
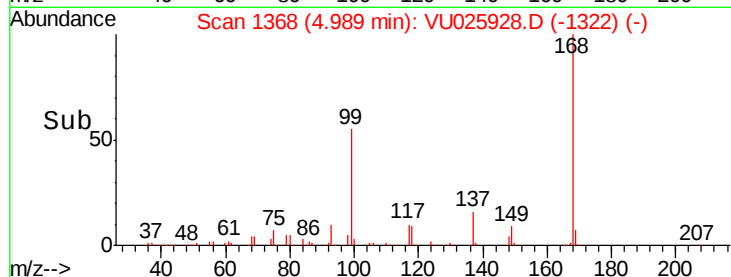
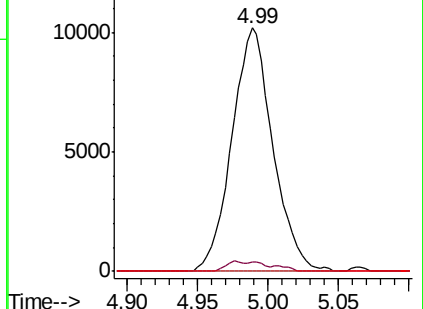
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.388 ug/l

RT: 6.42 min Scan# 1814

Delta R.T. 0.00 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

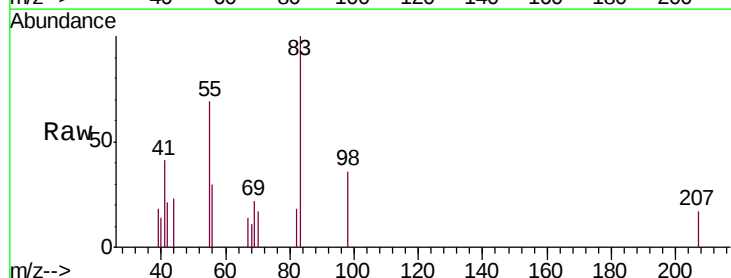
Tgt Ion: 83 Resp: 1811

Ion Ratio Lower Upper

83 100

55 68.7 60.0 90.0

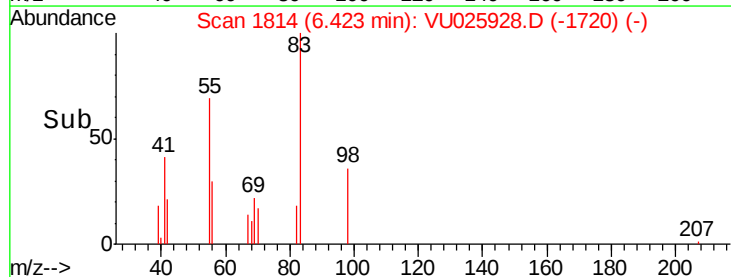
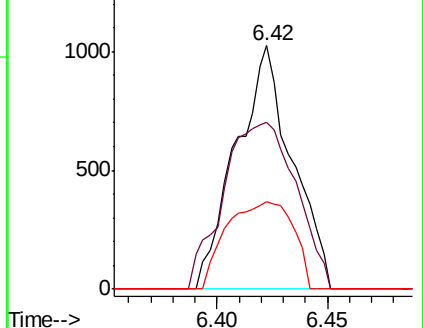
98 35.7 36.1 54.1#

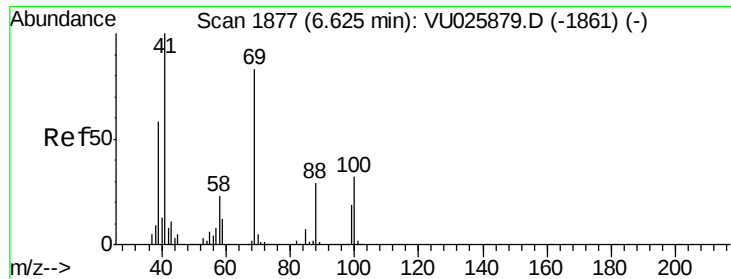


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

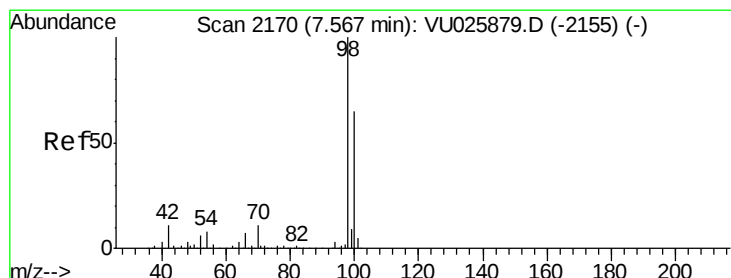
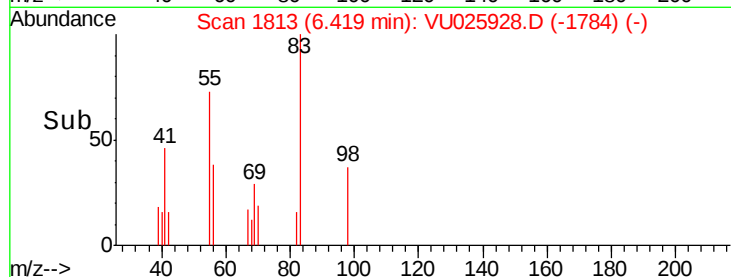
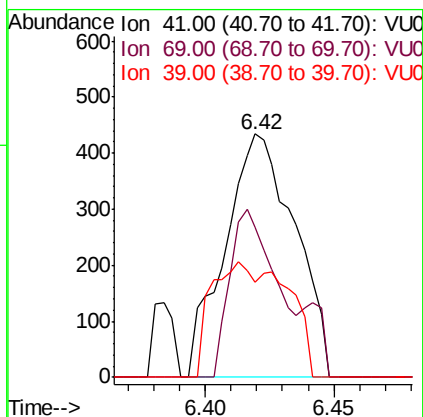
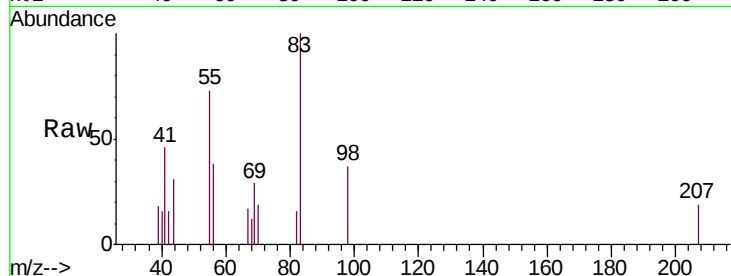




#48
Methyl methacrylate
Concen: 0.241 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.21 min
Lab File: VU025928.D
Acq: 07 Aug 2018 08:31

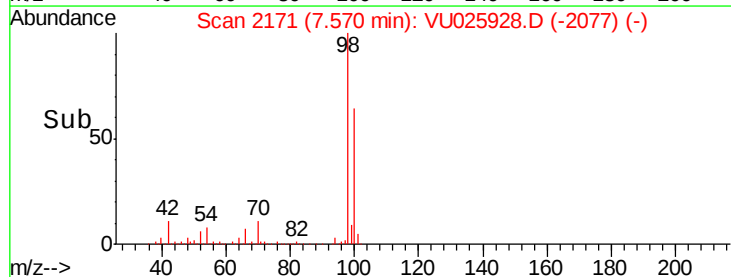
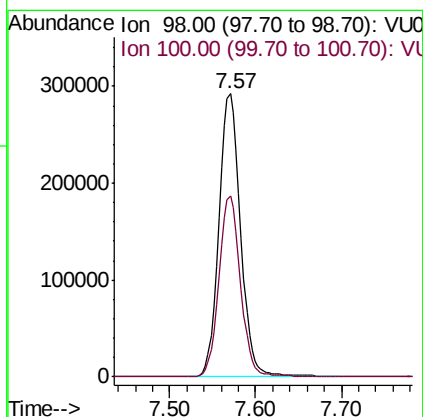
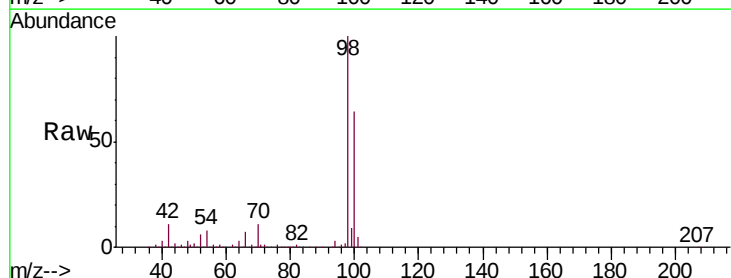
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FL-0536

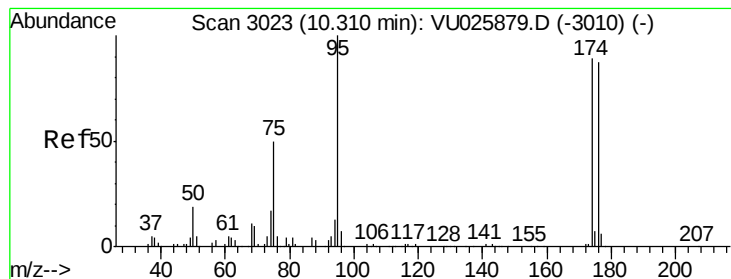
Tgt Ion: 41 Resp: 823
Ion Ratio Lower Upper
41 100
69 45.7 65.0 97.4#
39 29.3 46.4 69.6#



#50
Toluene-d8
Concen: 48.317 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025928.D
Acq: 07 Aug 2018 08:31

Tgt Ion: 98 Resp: 512404
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7





#62

4-Bromofluorobenzene

Concen: 48.023 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0536

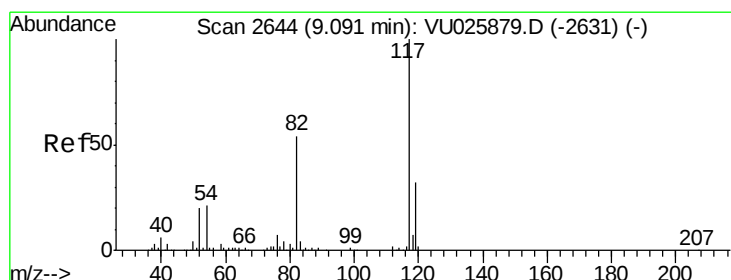
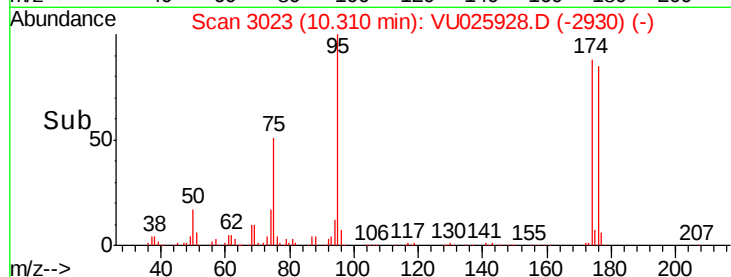
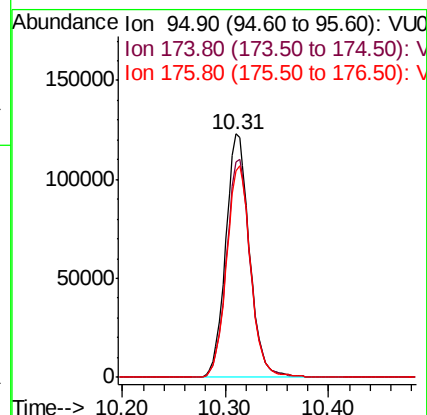
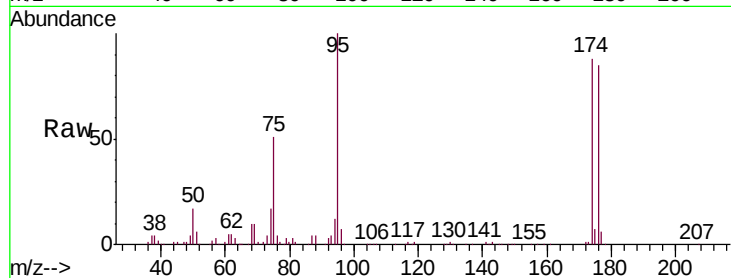
Tgt Ion: 95 Resp: 197677

Ion Ratio Lower Upper

95 100

174 89.8 0.0 172.2

176 87.8 0.0 162.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

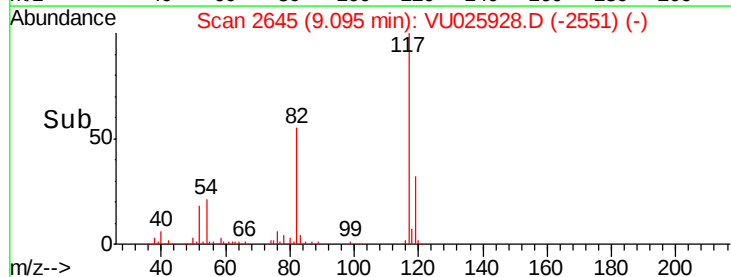
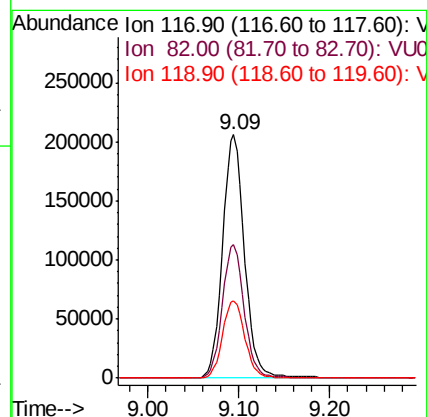
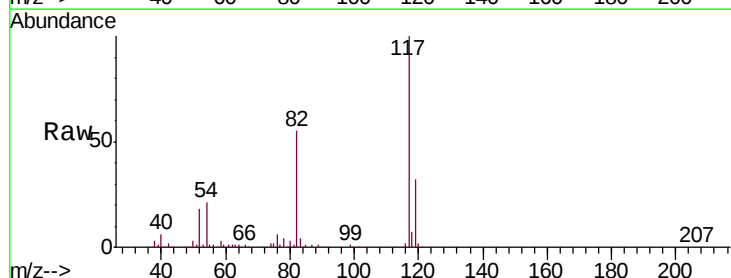
Tgt Ion: 117 Resp: 344744

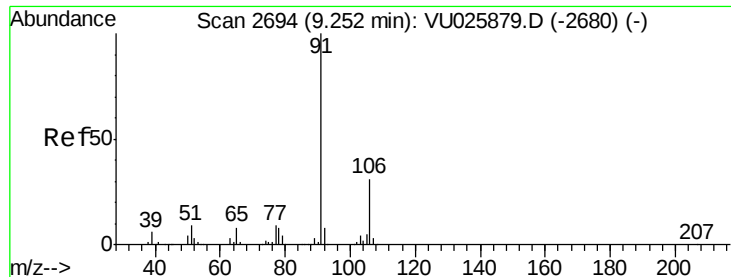
Ion Ratio Lower Upper

117 100

82 54.7 46.0 69.0

119 31.9 26.0 39.0





#67

Ethyl Benzene

Concen: 0.449 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

Instrument :

MSVOA_U

ClientSampleId :

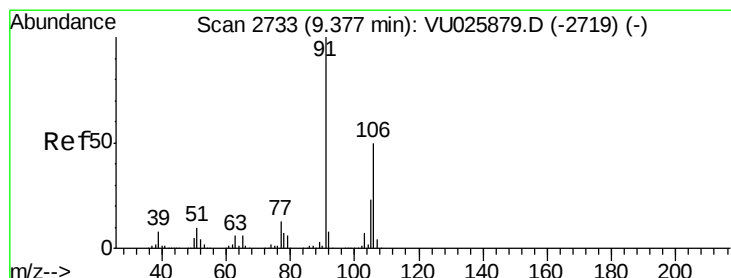
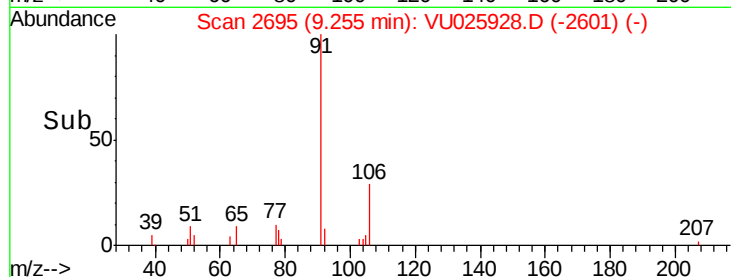
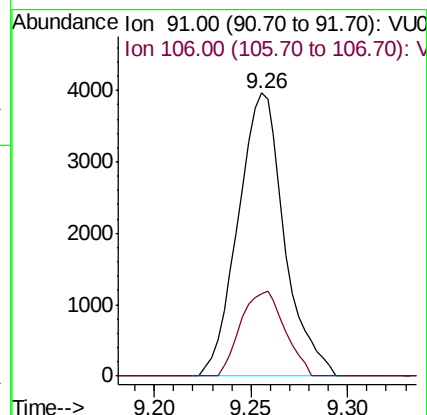
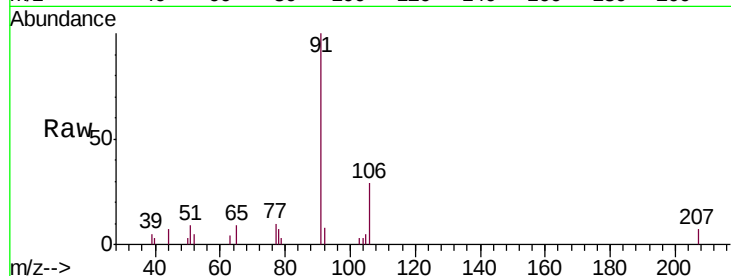
FL-0536

Tgt Ion: 91 Resp: 6609

Ion Ratio Lower Upper

91 100

106 29.1 25.3 37.9



#68

m/p-Xylenes

Concen: 1.593 ug/l

RT: 9.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU025928.D

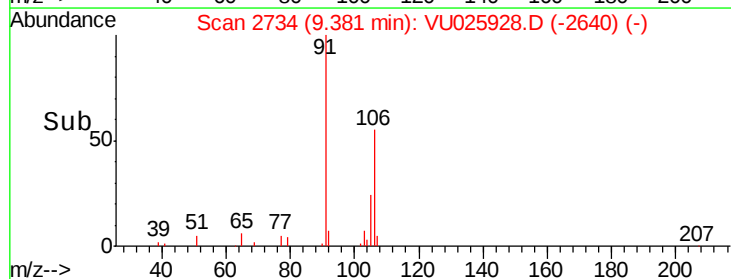
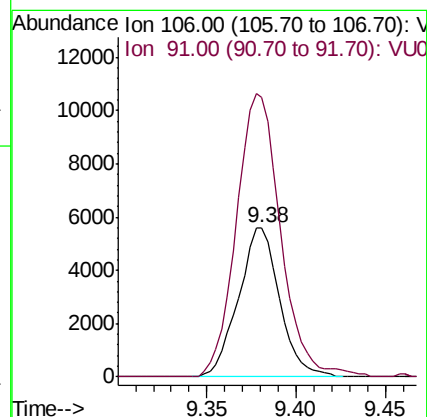
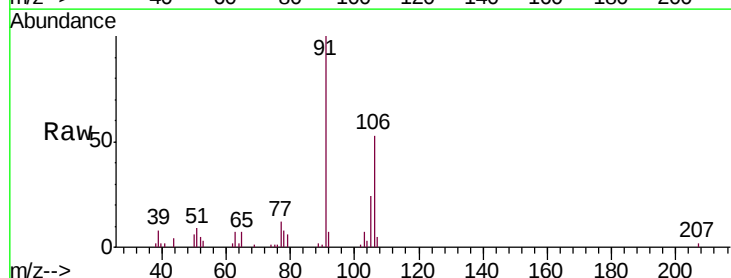
Acq: 07 Aug 2018 08:31

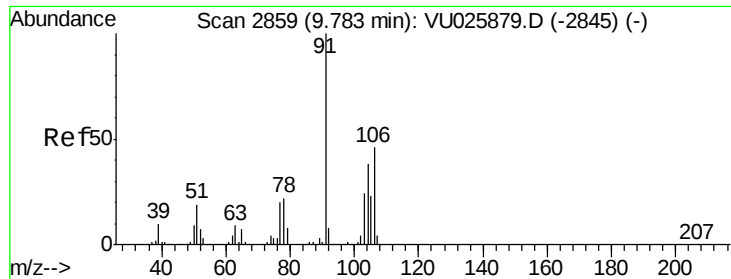
Tgt Ion: 106 Resp: 9003

Ion Ratio Lower Upper

106 100

91 204.0 162.3 243.5

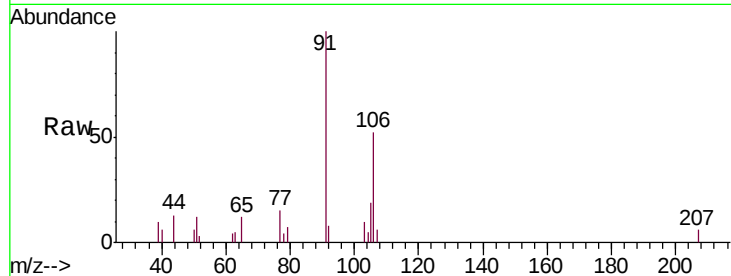




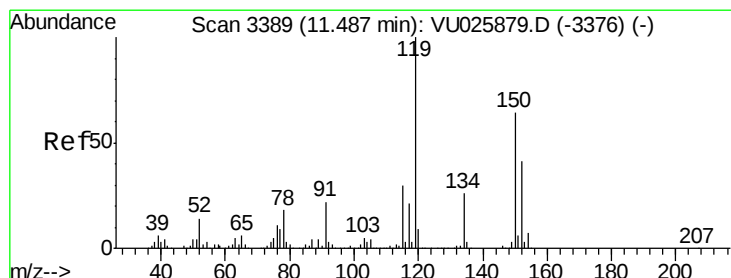
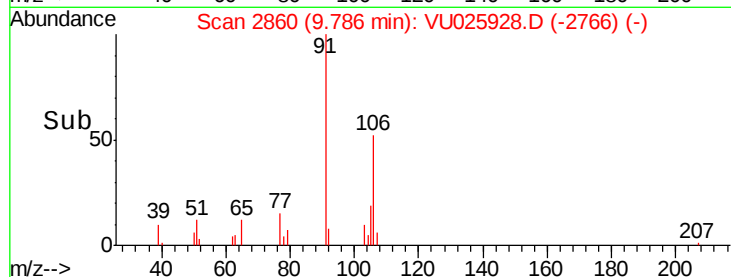
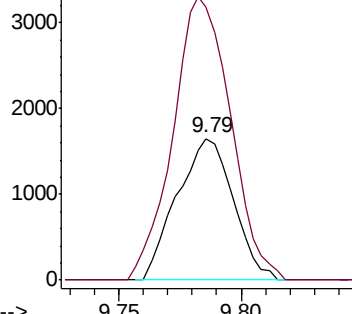
#69
o-Xylene
Concen: 0.478 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025928.D
Acq: 07 Aug 2018 08:31

Instrument :
MSVOA_U
ClientSampleId :
FL-0536

Tgt Ion:106 Resp: 2642
Ion Ratio Lower Upper
106 100
91 204.5 105.3 315.8

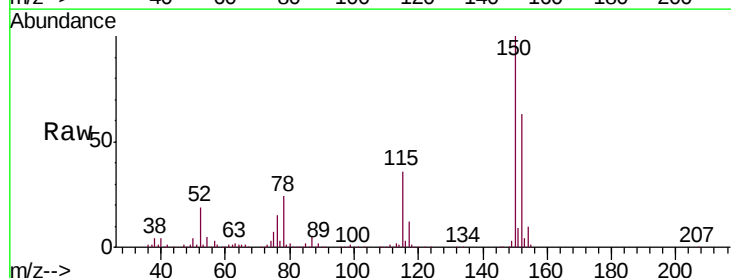


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

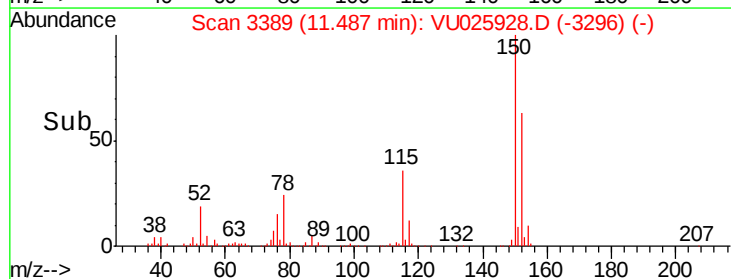
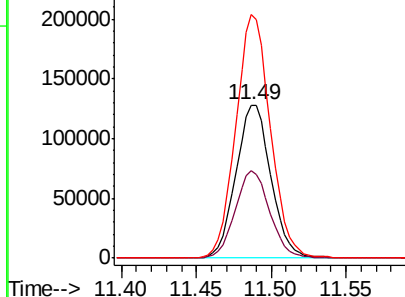


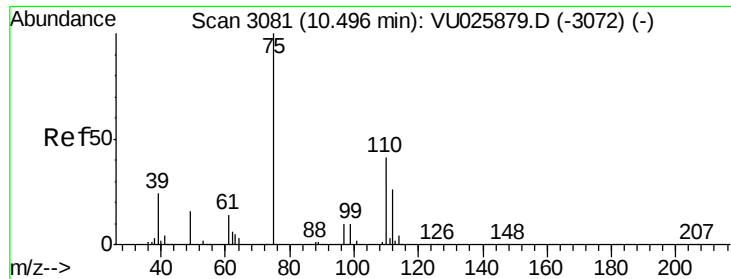
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025928.D
Acq: 07 Aug 2018 08:31

Tgt Ion:152 Resp: 208770
Ion Ratio Lower Upper
152 100
115 56.4 40.1 120.3
150 157.4 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

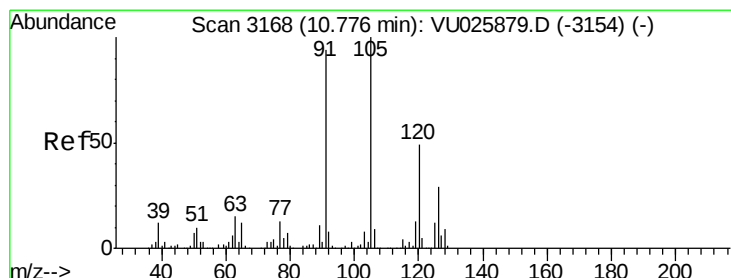
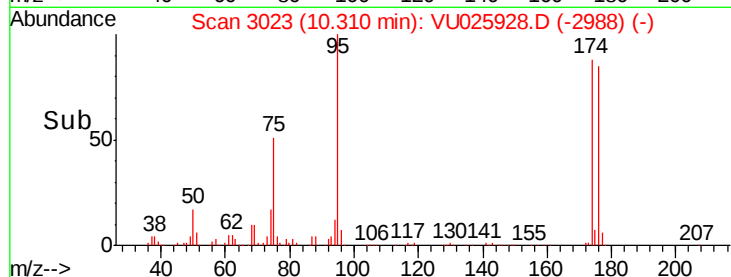
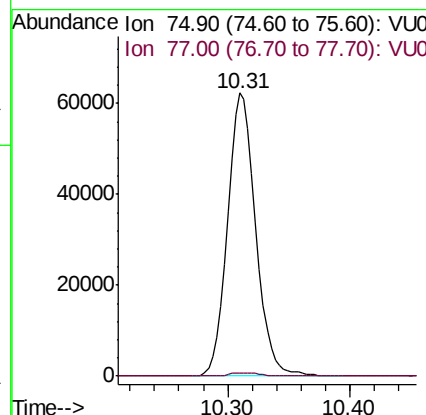
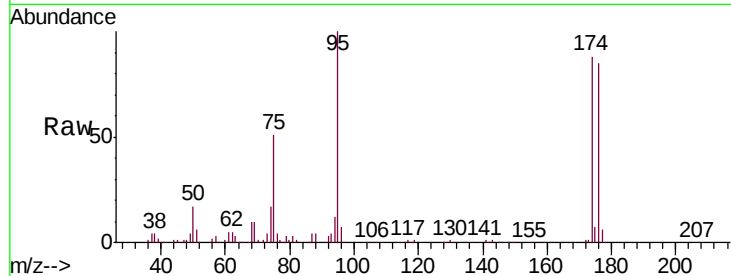




#76
 1,2,3-Trichloropropane
 Concen: 21.932 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025928.D
 Acq: 07 Aug 2018 08:31

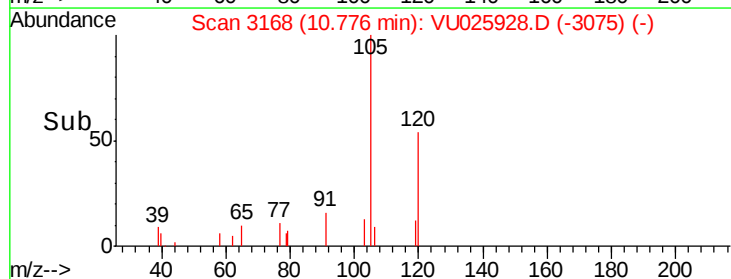
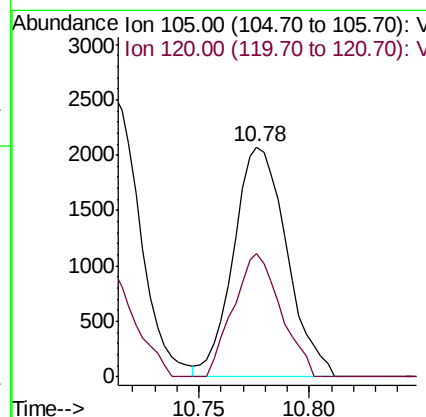
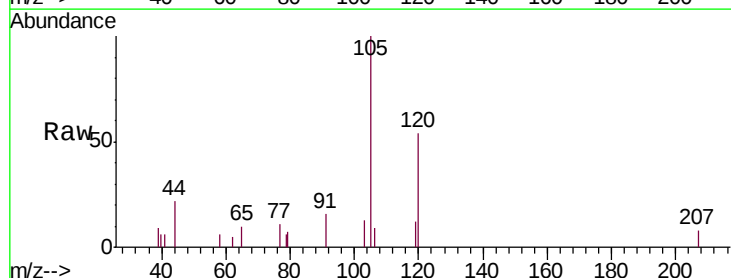
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0536

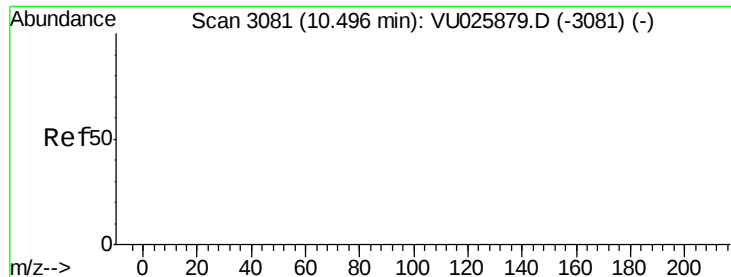
Tgt Ion: 75 Resp: 100884
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.4 61.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.288 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025928.D
 Acq: 07 Aug 2018 08:31

Tgt Ion: 105 Resp: 3484
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.1 72.2

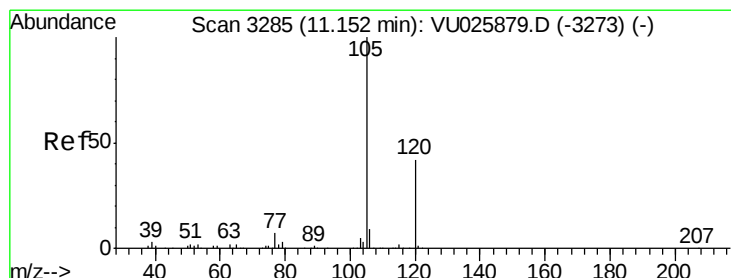
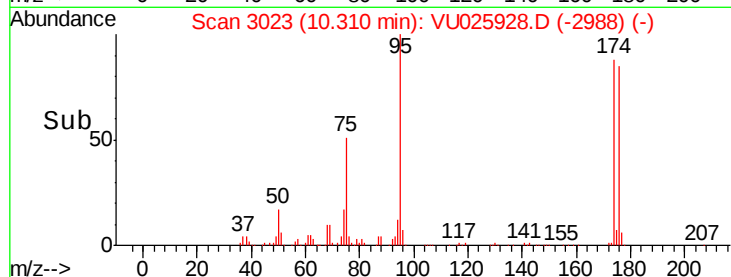
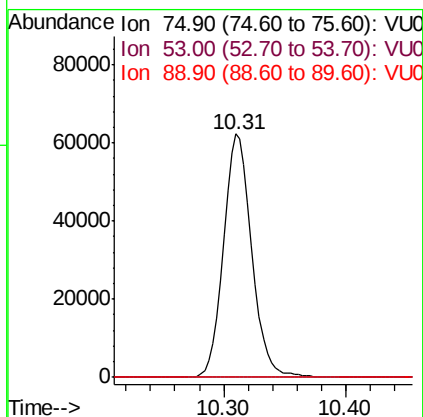
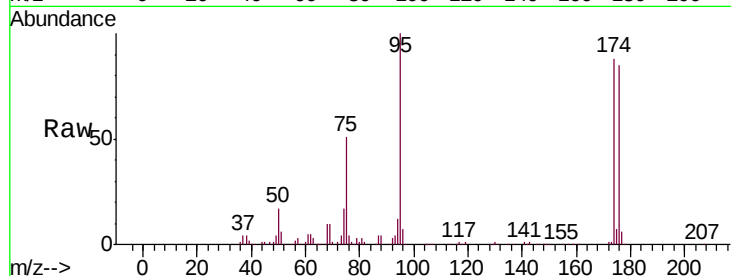




#81
trans-1,4-Dichloro-2-butene
Concen: 54.994 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025928.D
Acq: 07 Aug 2018 08:31

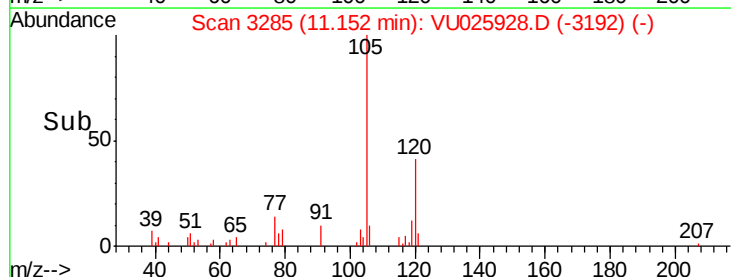
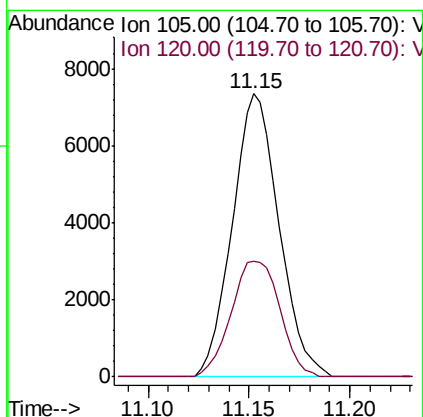
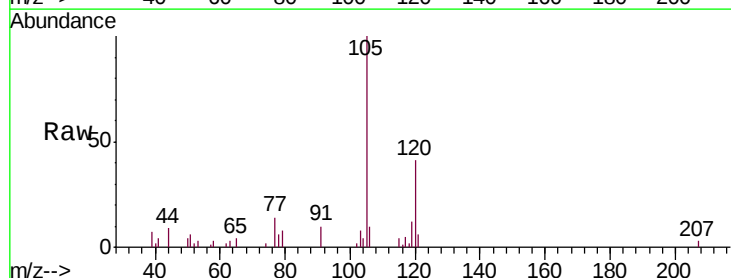
Instrument :
MSVOA_U
ClientSampleId :
FL-0536

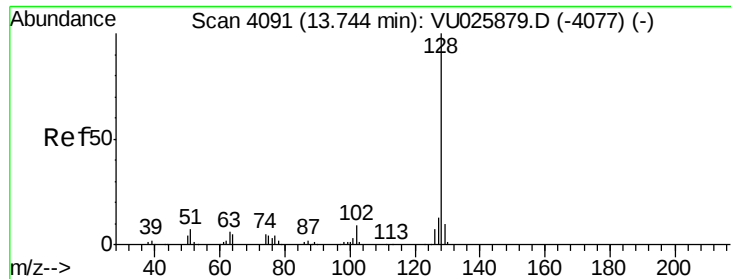
Tgt Ion: 75 Resp: 100884
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#84
1,2,4-Trimethylbenzene
Concen: 0.967 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025928.D
Acq: 07 Aug 2018 08:31

Tgt Ion: 105 Resp: 11861
Ion Ratio Lower Upper
105 100
120 43.0 22.3 66.8





#95

Naphthalene

Concen: 1.503 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU025928.D

Acq: 07 Aug 2018 08:31

Instrument :

MSVOA_U

ClientSampleId :

FL-0536

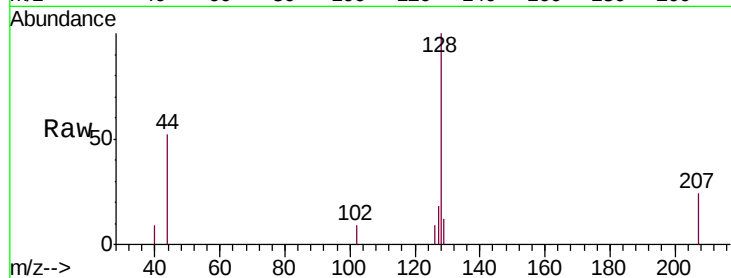
Tgt Ion:128 Resp: 4005

Ion Ratio Lower Upper

128 100

127 11.5 10.5 15.7

129 9.9 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

