

Data File : VU025911.D
Acq On : 07 Aug 2018 01:54
Operator : MD/SY
Sample : J4344-17
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-4

Quant Time: Aug 07 04:42:11 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	179474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	286855	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	284683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	143305	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	4.89	113	122025	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	7.57	98	426699	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	10.31	95	158452	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	

Target Compounds

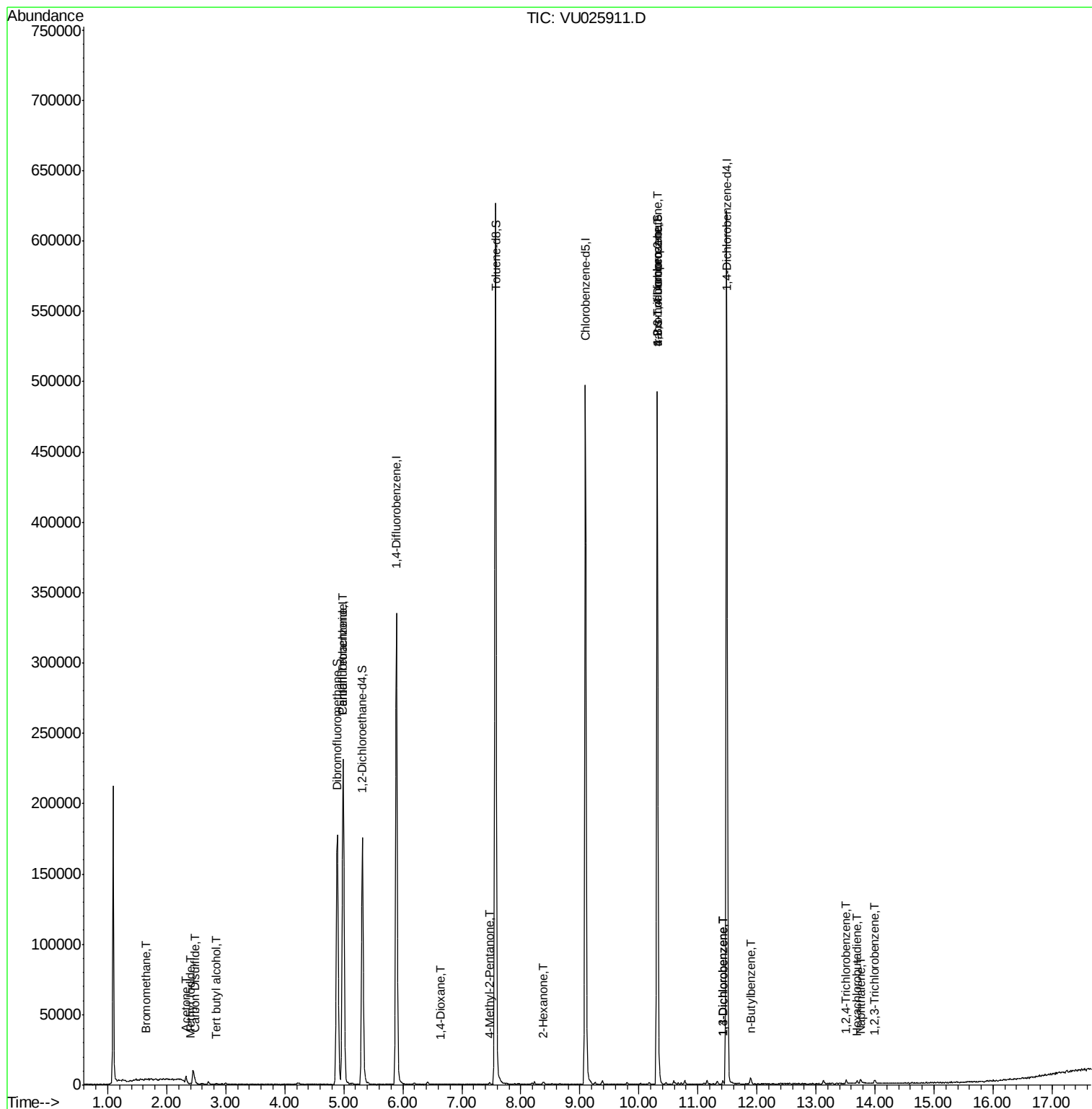
						Qvalue
5) Bromomethane	1.64	94	259	0.217	ug/l #	76
10) Methyl Iodide	2.41	142	42	8.614	ug/l #	39
11) Tert butyl alcohol	2.83	59	293	0.479	ug/l #	73
13) Acrolein	2.20	56	143	Below Cal	#	1
16) Acetone	2.32	43	5576	4.090	ug/l	95
17) Carbon Disulfide	2.48	76	3206	0.514	ug/l	99
31) Cyclohexane	4.99	56	3869	Below Cal	#	24
38) Carbon Tetrachloride	4.99	117	17169	4.522	ug/l #	16
49) 1,4-Dioxane	6.64	88	20	0.292	ug/l #	22
51) 4-Methyl-2-Pentanone	7.47	43	1136	0.316	ug/l	92
59) 2-Hexanone	8.37	43	1093	0.388	ug/l	86
76) 1,2,3-Trichloropropane	10.31	75	83413	22.667	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	83413	56.838	ug/l #	100
87) 1,3-Dichlorobenzene	11.42	146	1351	0.231	ug/l	91
88) 1,4-Dichlorobenzene	11.42	146	1351	0.222	ug/l	92
89) n-Butylbenzene	11.90	91	2188	0.225	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	1139	0.295	ug/l	78
94) Hexachlorobutadiene	13.69	225	540	0.265	ug/l	90
95) Naphthalene	13.75	128	4239	1.584	ug/l #	82
96) 1,2,3-Trichlorobenzene	13.99	180	1496	0.388	ug/l #	89

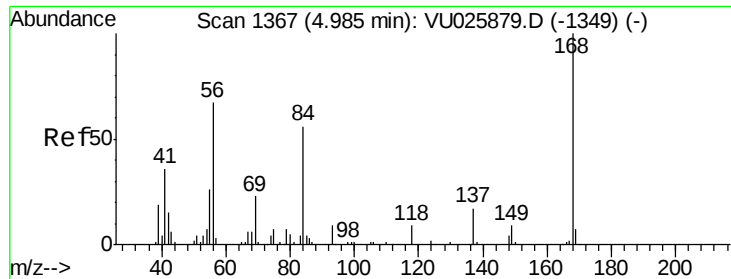
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

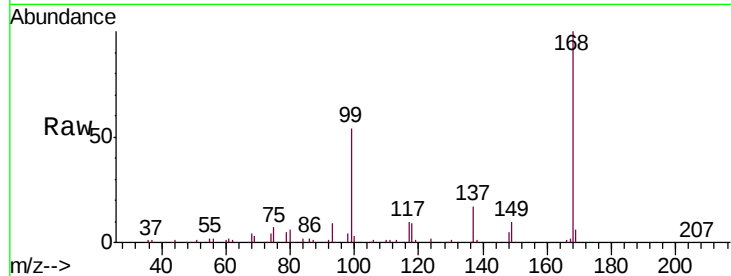
FL-TB-2018-4

Tgt Ion:168 Resp: 179474

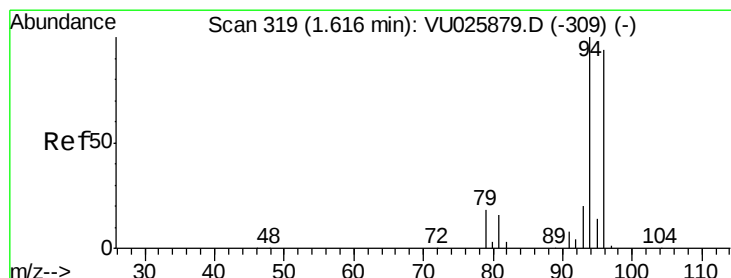
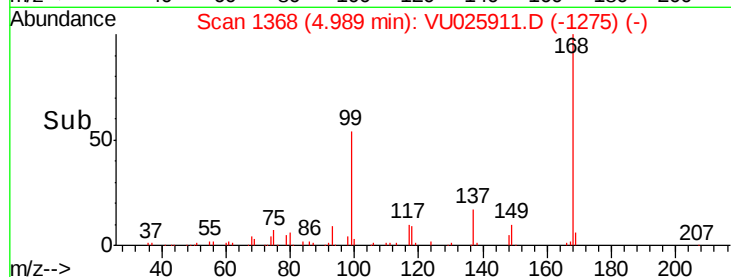
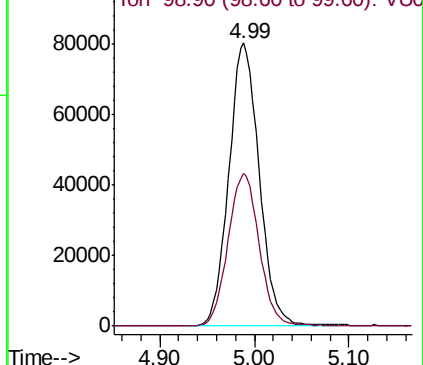
Ion Ratio Lower Upper

168 100

99 53.9 42.8 64.2



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



#5

Bromomethane

Concen: 0.217 ug/l

RT: 1.64 min Scan# 328

Delta R.T. 0.03 min

Lab File: VU025911.D

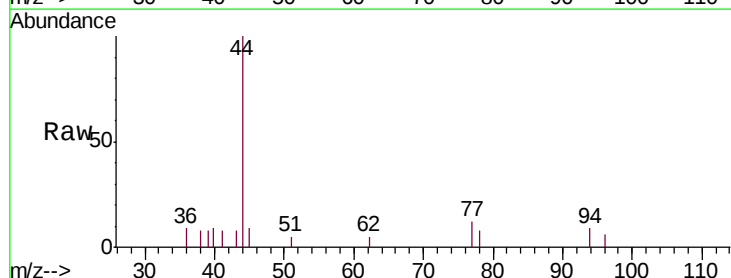
Acq: 07 Aug 2018 01:54

Tgt Ion: 94 Resp: 259

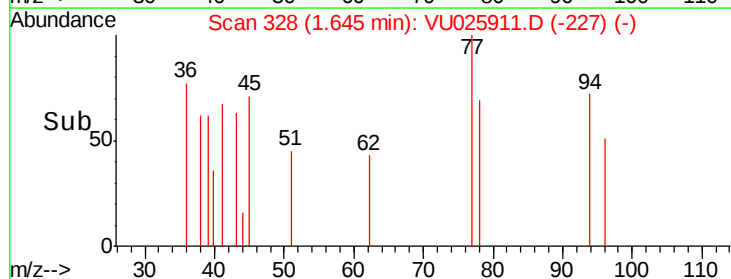
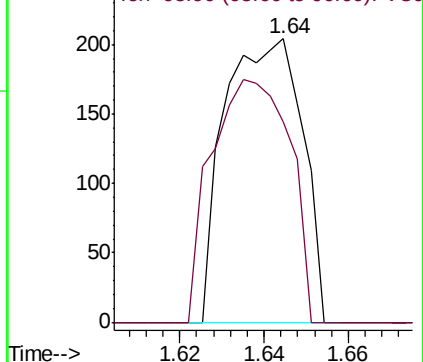
Ion Ratio Lower Upper

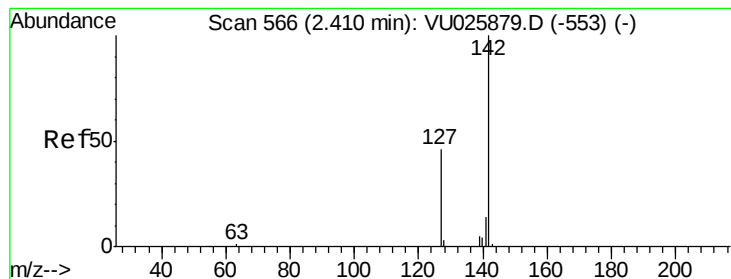
94 100

96 70.6 75.0 112.4#



Abundance Ion 93.90 (93.60 to 94.60): VU025879.D (-309) (-)





#10

Methyl Iodide

Concen: 8.614 ug/l

RT: 2.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampled :

FL-TB-2018-4

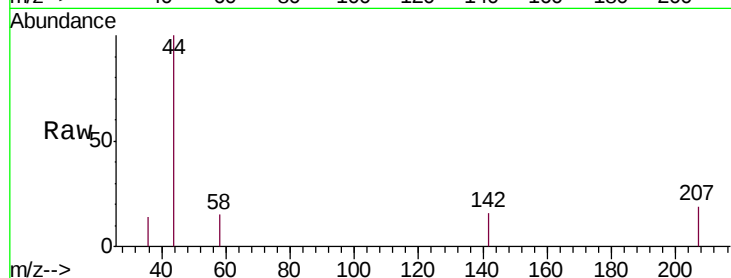
Tgt Ion: 142 Resp: 42

Ion Ratio Lower Upper

142 100

127 0.0 36.5 54.7#

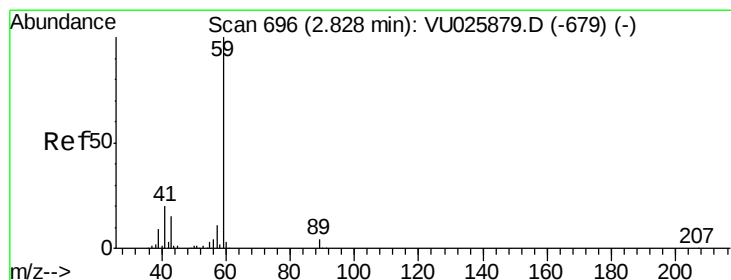
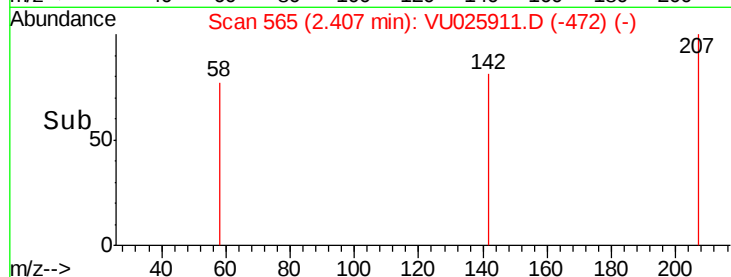
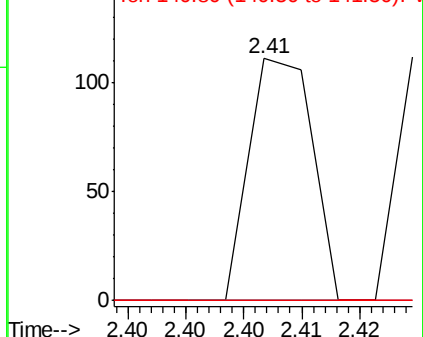
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.479 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.00 min

Lab File: VU025911.D

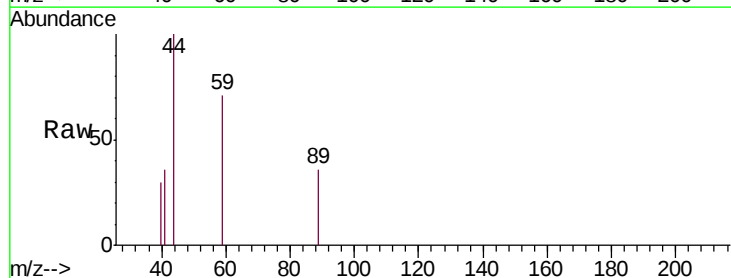
Acq: 07 Aug 2018 01:54

Tgt Ion: 59 Resp: 293

Ion Ratio Lower Upper

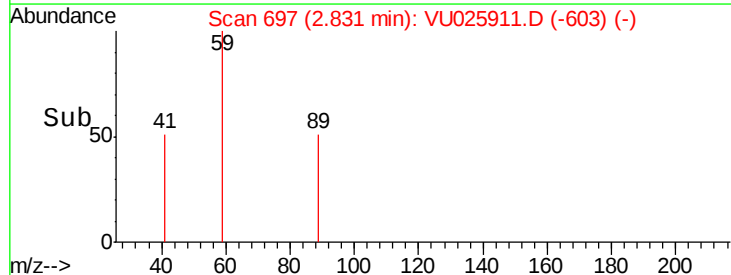
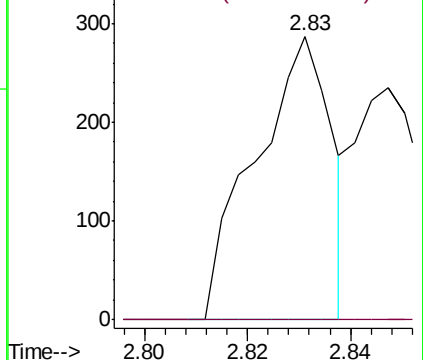
59 100

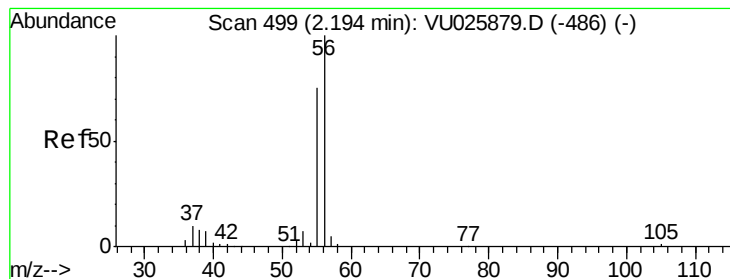
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#13

Acrolein

Concen: Below Cal

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

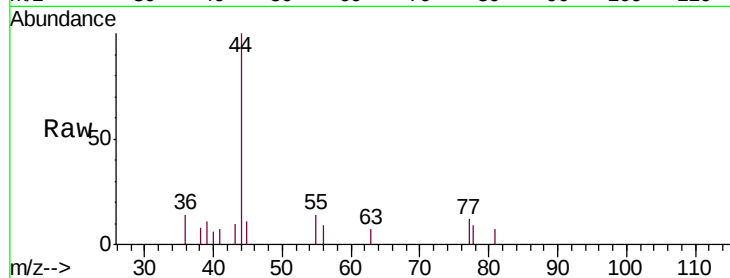
FL-TB-2018-4

Tgt Ion: 56 Resp: 143

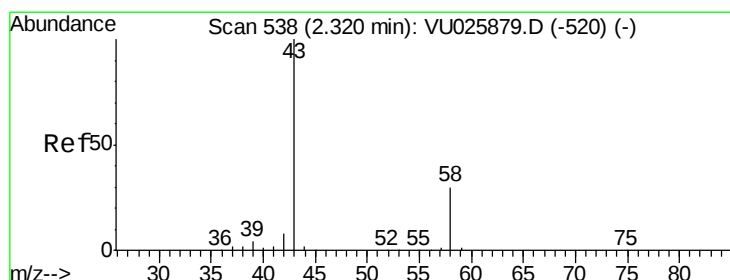
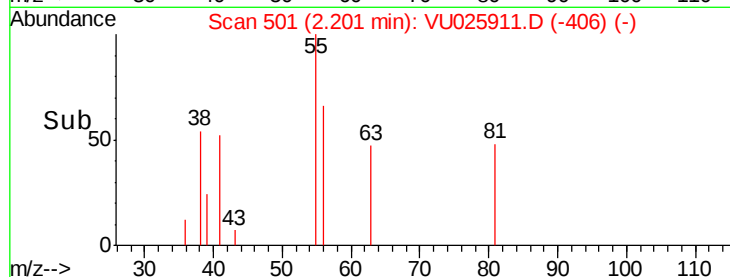
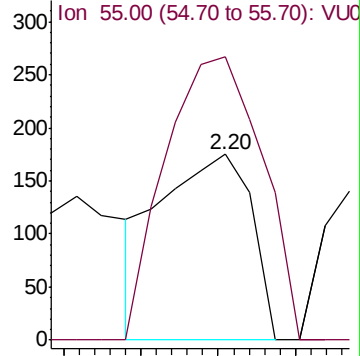
Ion Ratio Lower Upper

56 100

55 162.9 57.2 85.8#



Abundance Ion 56.00 (55.70 to 56.70): VU025911.D (-406) (-)



#16

Acetone

Concen: 4.090 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025911.D

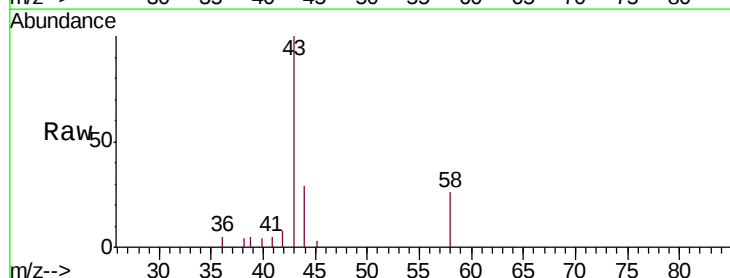
Acq: 07 Aug 2018 01:54

Tgt Ion: 43 Resp: 5576

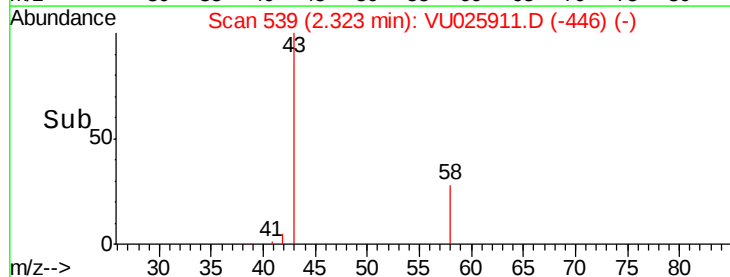
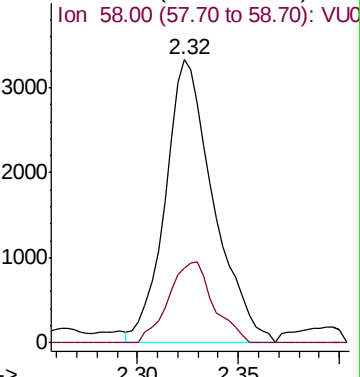
Ion Ratio Lower Upper

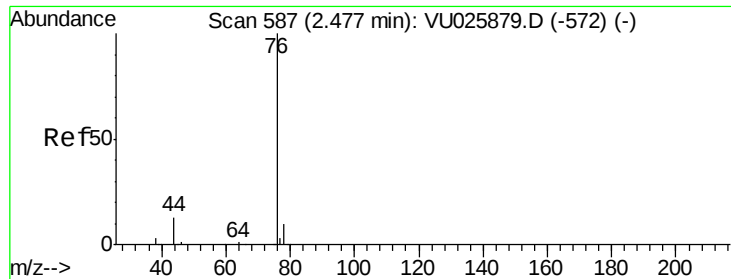
43 100

58 26.5 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025911.D (-446) (-)

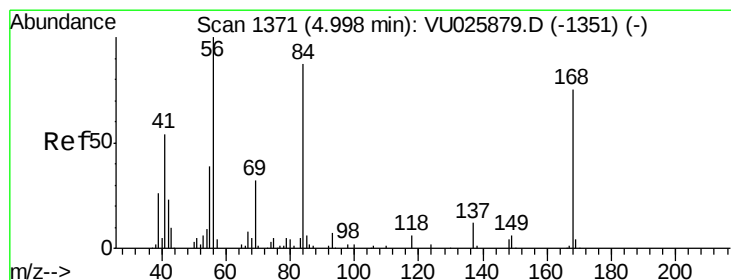
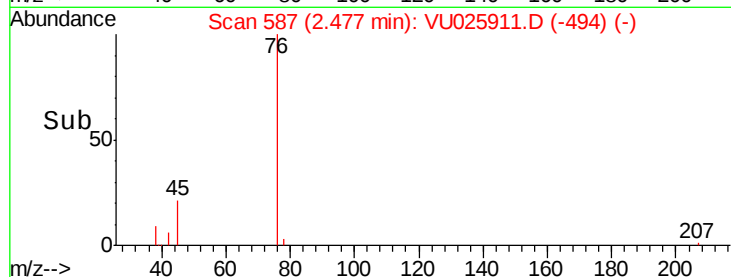
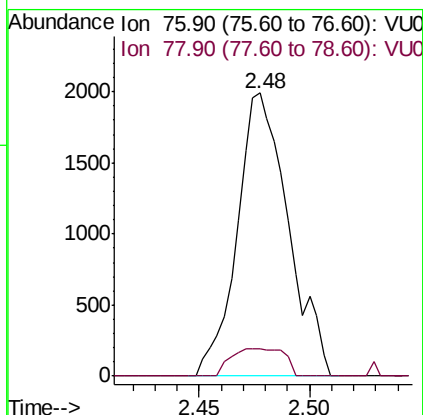
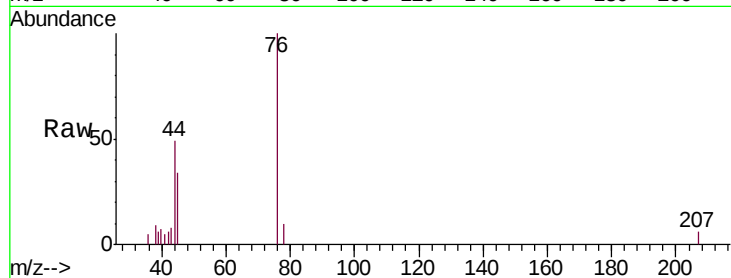




#17
Carbon Disulfide
Concen: 0.514 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

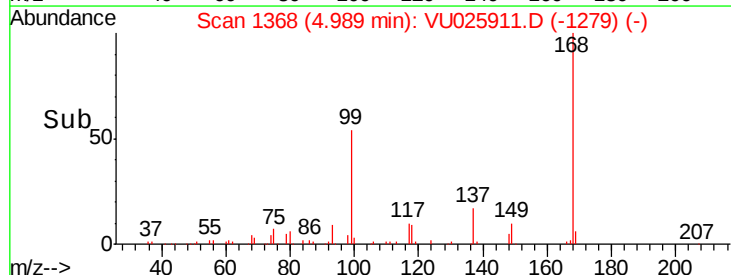
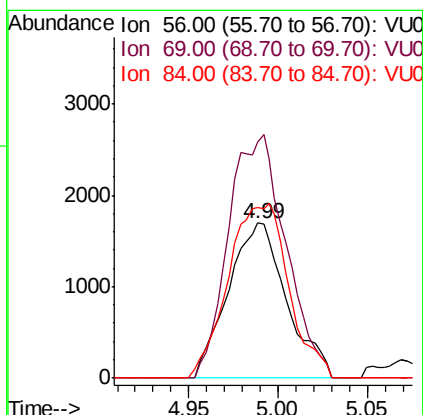
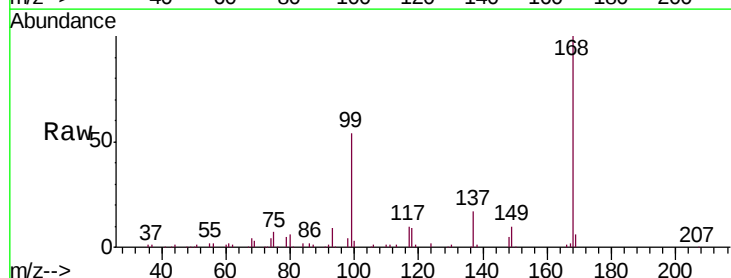
Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-4

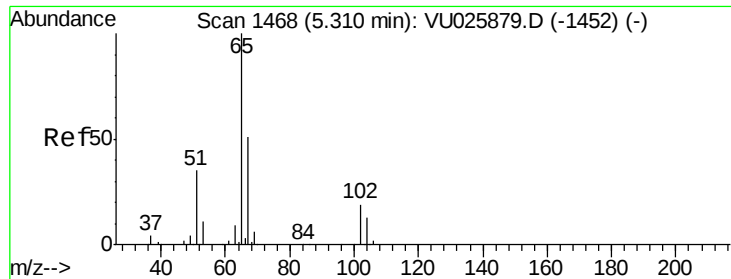
Tgt Ion: 76 Resp: 3206
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

Tgt Ion: 56 Resp: 3869
Ion Ratio Lower Upper
56 100
69 152.7 26.8 40.2#
84 110.5 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 51.246 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

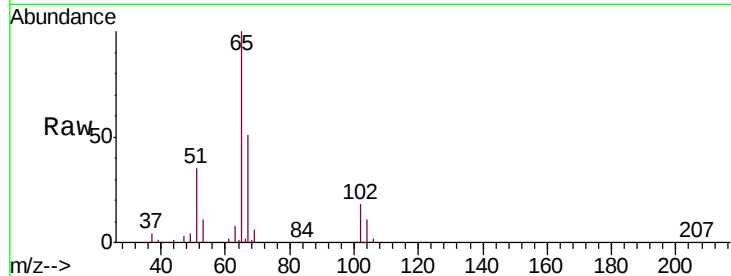
FL-TB-2018-4

Tgt Ion: 65 Resp: 143305

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.6

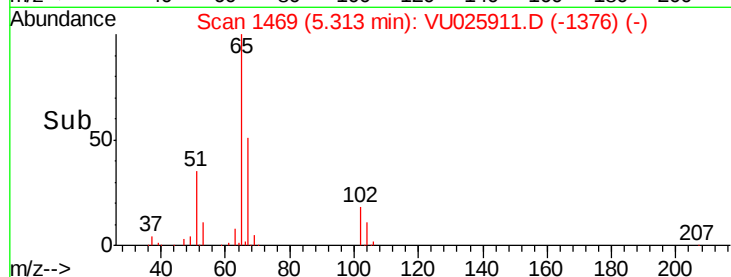


Abundance Ion 64.90 (64.60 to 65.60): VU025879.D (-1452) (-)

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

5.31

Time-->



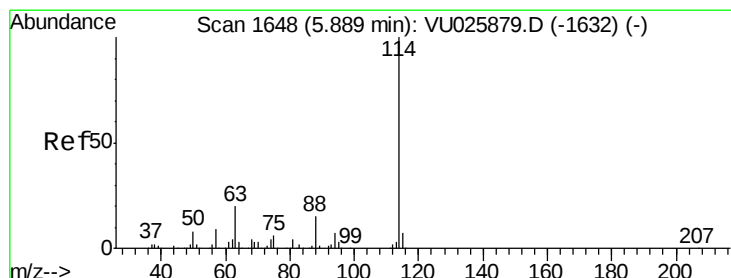
Abundance

Ion 64.90 (64.60 to 65.60): VU025911.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU025911.D (-1376) (-)

5.31

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

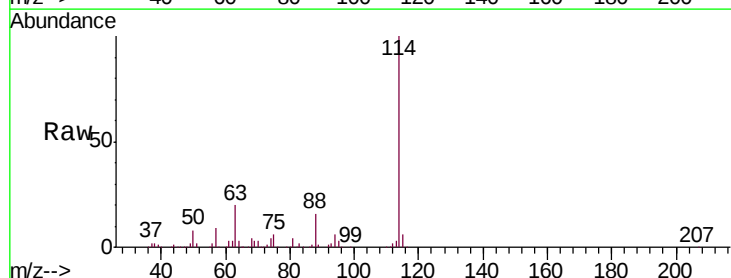
Tgt Ion: 114 Resp: 286855

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 15.8 0.0 32.4



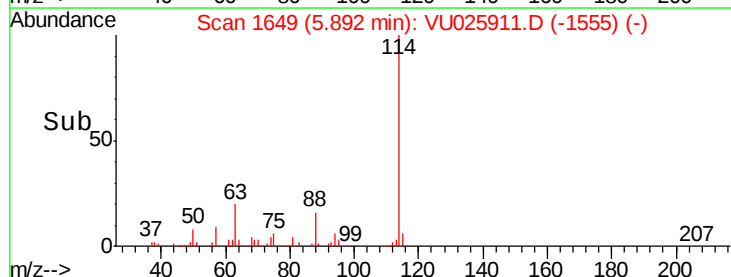
Abundance Ion 113.90 (113.60 to 114.60): VU025879.D (-1632) (-)

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

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

5.89

Time-->



Abundance

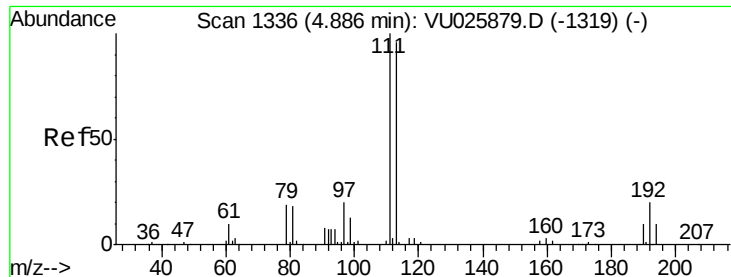
Ion 113.90 (113.60 to 114.60): VU025911.D (-1555) (-)

Ion 63.00 (62.70 to 63.70): VU025911.D (-1555) (-)

Ion 87.90 (87.60 to 88.60): VU025911.D (-1555) (-)

5.89

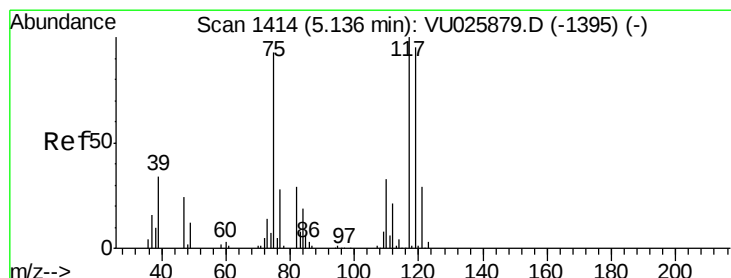
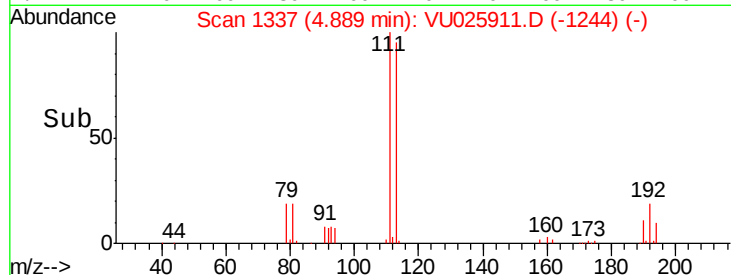
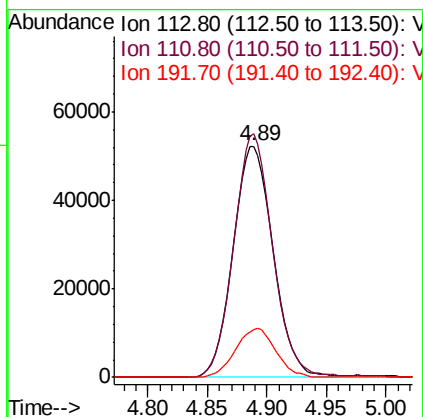
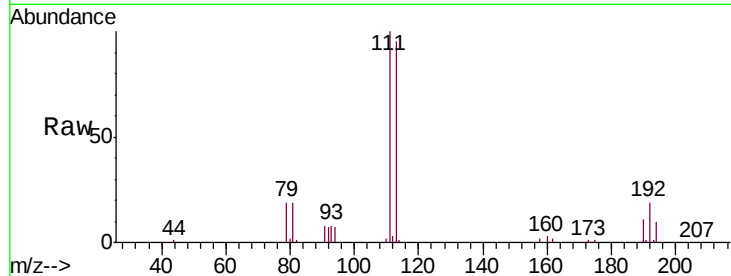
Time-->



#35
Dibromofluoromethane
Concen: 48.909 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

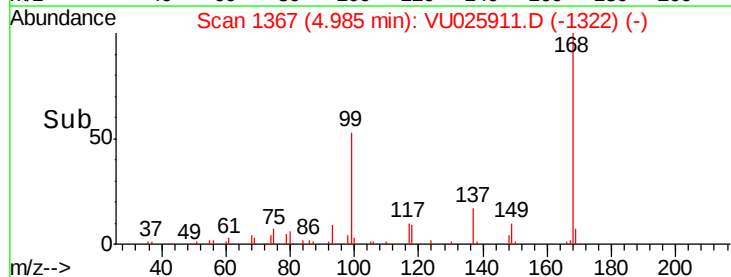
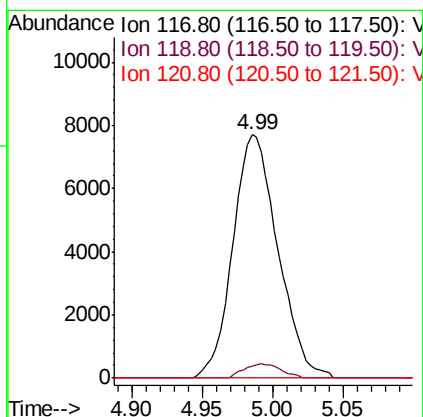
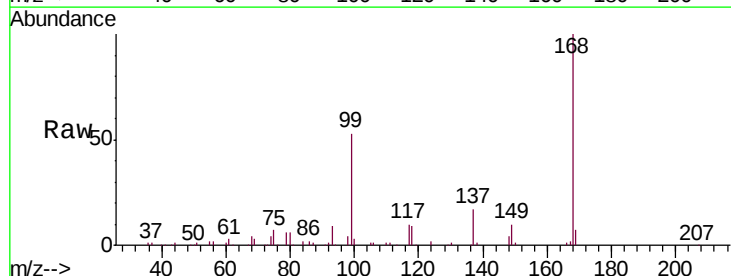
Instrument :
MSVOA_U
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FL-TB-2018-4

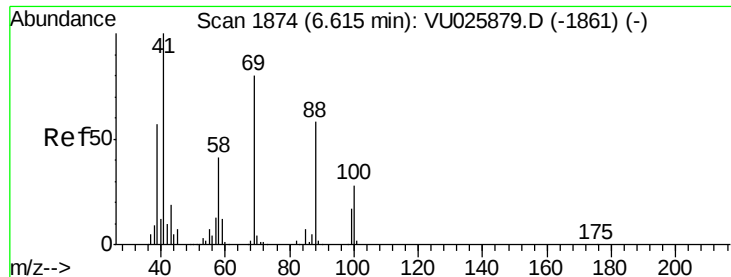
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.7	122.5
192	21.2	17.1	25.7



#38
Carbon Tetrachloride
Concen: 4.522 ug/l
RT: 4.99 min Scan# 1367
Delta R.T. -0.15 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.7	113.5#
121	0.0	24.6	36.8#

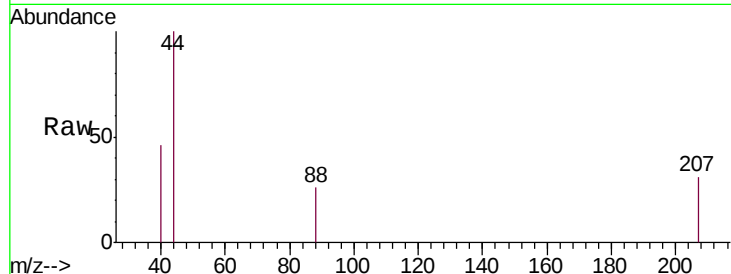




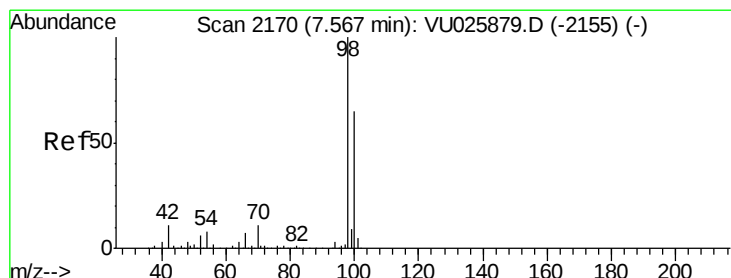
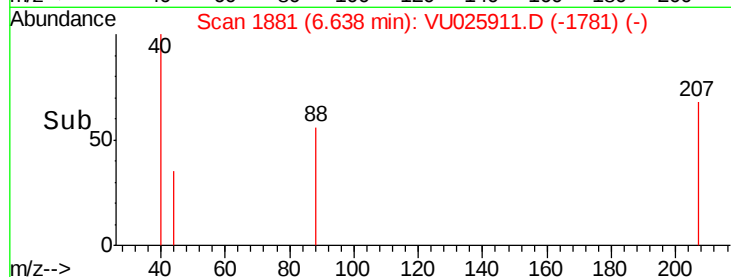
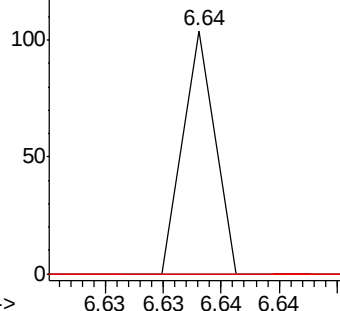
#49
1,4-Dioxane
Concen: 0.292 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.02 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-4

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 27.3 40.9#
58 0.0 57.6 86.4#

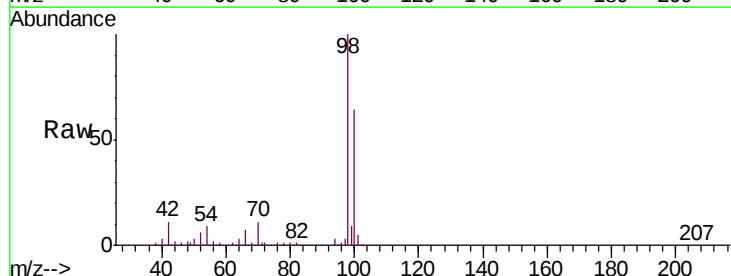


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

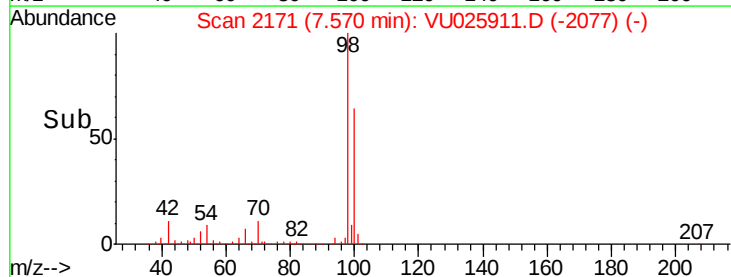
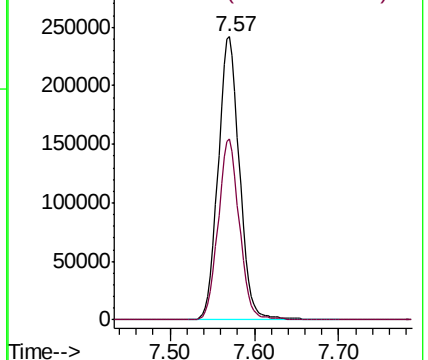


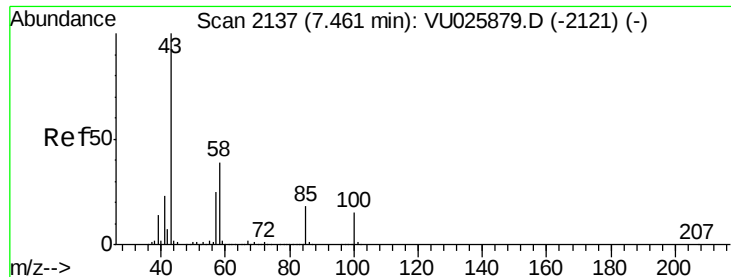
#50
Toluene-d8
Concen: 48.874 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

Tgt Ion: 98 Resp: 426699
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): VU0

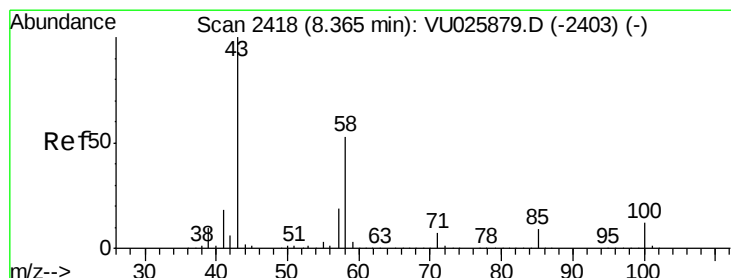
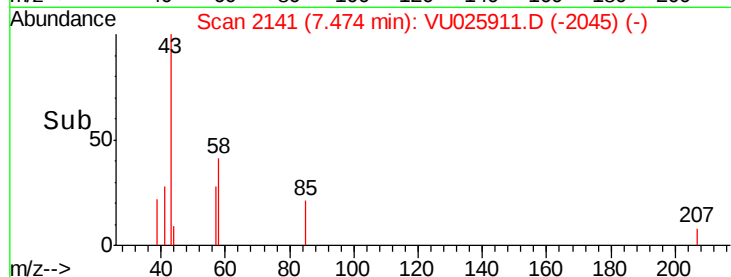
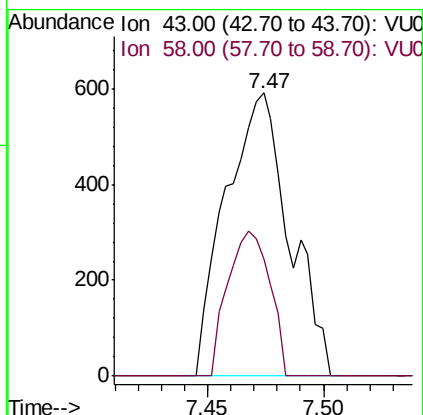
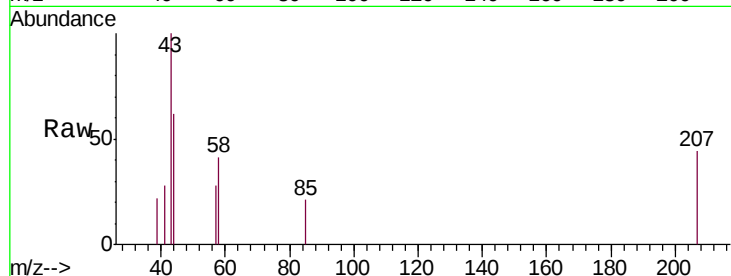




#51
 4-Methyl-2-Pentanone
 Concen: 0.316 ug/l
 RT: 7.47 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VU025911.D
 Acq: 07 Aug 2018 01:54

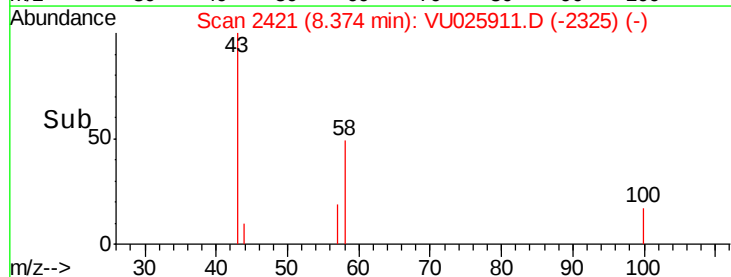
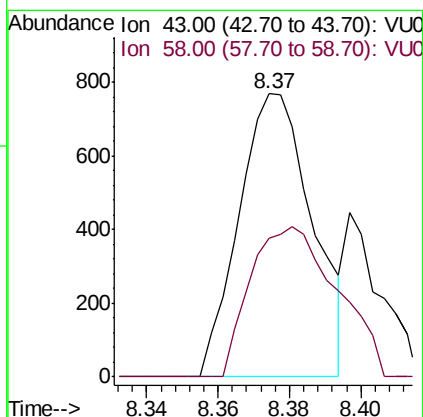
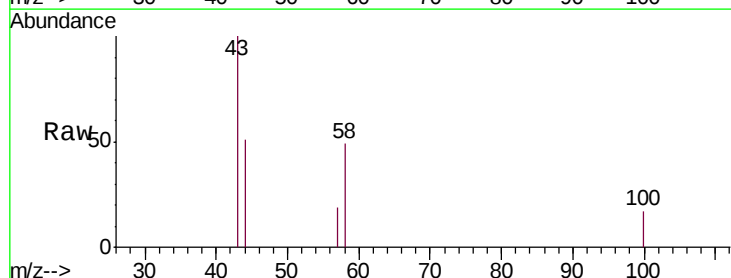
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-TB-2018-4

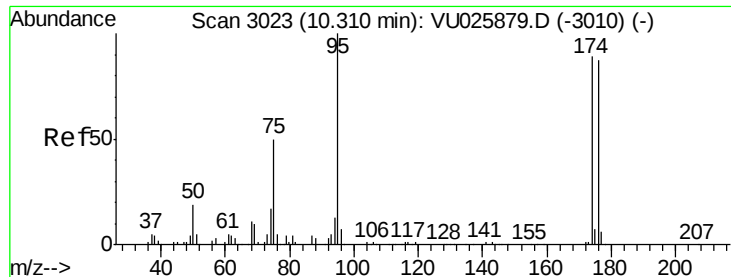
Tgt Ion: 43 Resp: 1136
 Ion Ratio Lower Upper
 43 100
 58 33.6 31.0 46.4



#59
 2-Hexanone
 Concen: 0.388 ug/l
 RT: 8.37 min Scan# 2421
 Delta R.T. 0.01 min
 Lab File: VU025911.D
 Acq: 07 Aug 2018 01:54

Tgt Ion: 43 Resp: 1093
 Ion Ratio Lower Upper
 43 100
 58 62.5 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 46.759 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-4

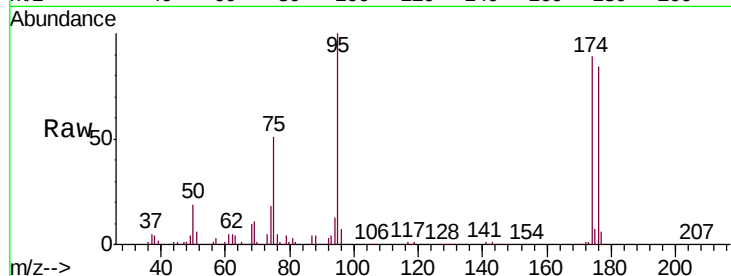
Tgt Ion: 95 Resp: 158452

Ion Ratio Lower Upper

95 100

174 90.3 0.0 172.2

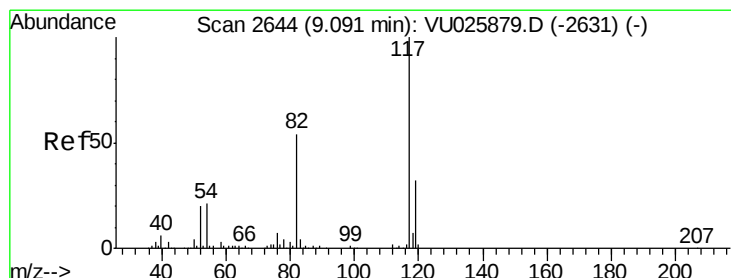
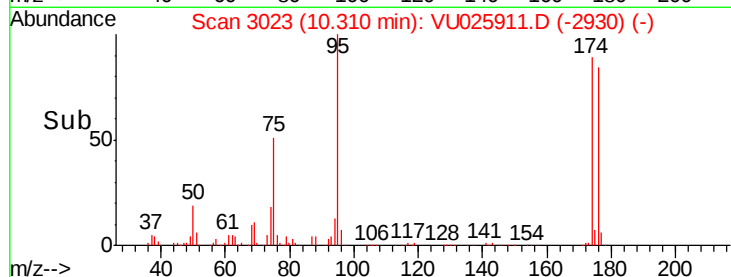
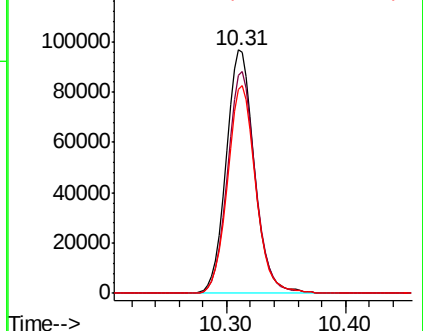
176 85.3 0.0 162.6



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: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

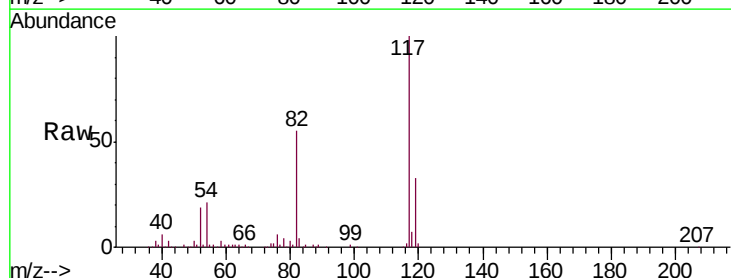
Tgt Ion: 117 Resp: 284683

Ion Ratio Lower Upper

117 100

82 54.7 46.0 69.0

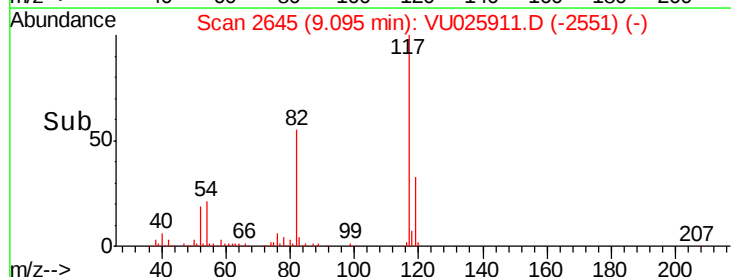
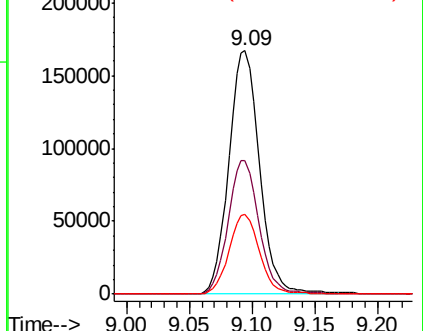
119 32.6 26.0 39.0

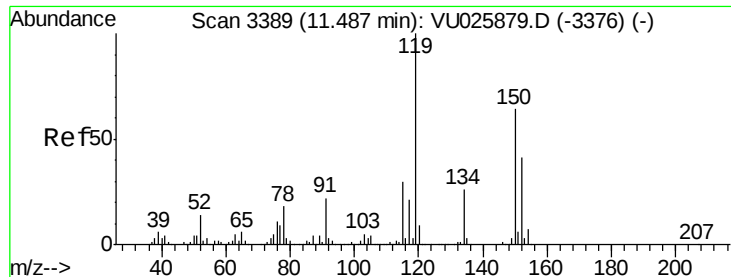


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-4

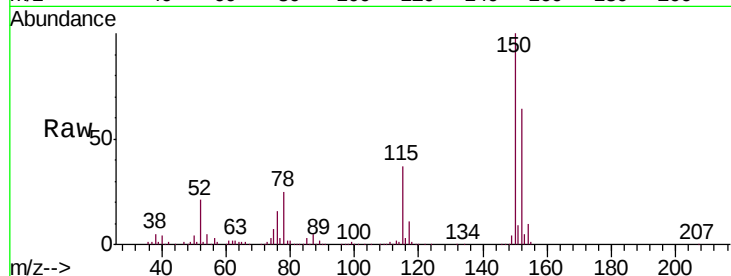
Tgt Ion:152 Resp: 167017

Ion Ratio Lower Upper

152 100

115 57.2 40.1 120.3

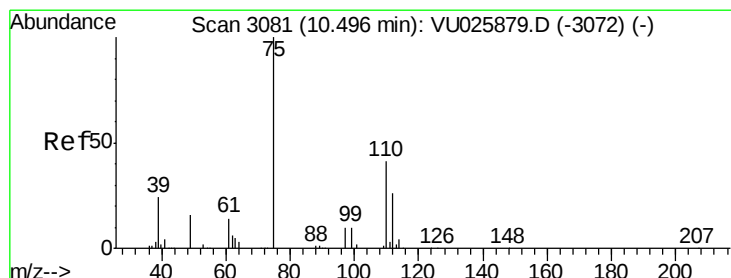
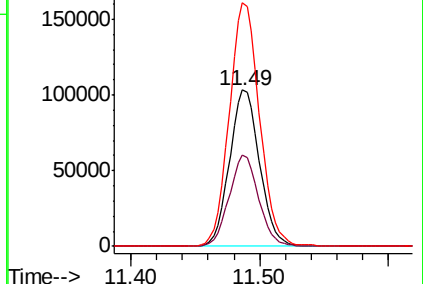
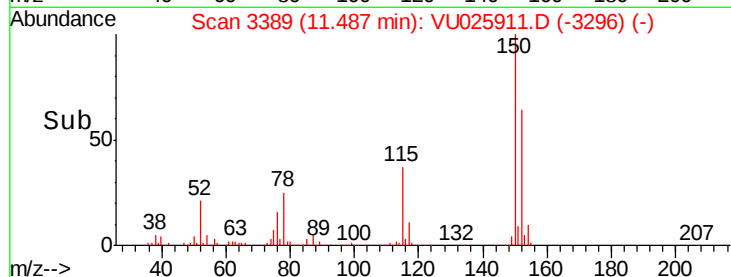
150 156.8 0.0 351.4



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: 22.667 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025911.D

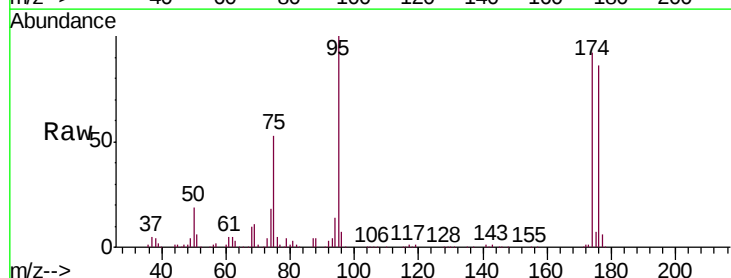
Acq: 07 Aug 2018 01:54

Tgt Ion: 75 Resp: 83413

Ion Ratio Lower Upper

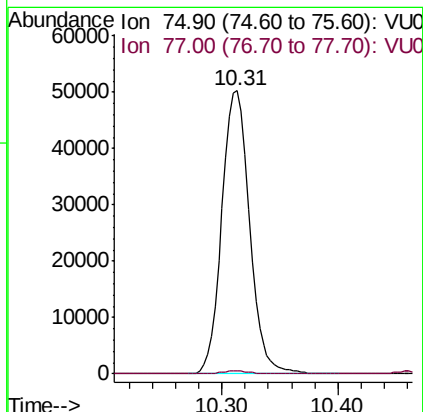
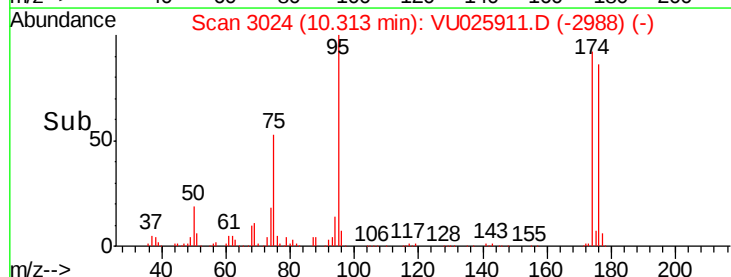
75 100

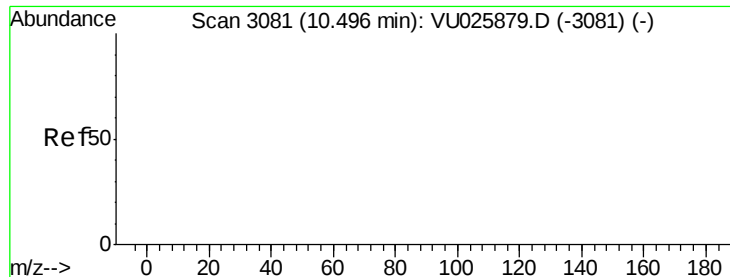
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 56.838 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-4

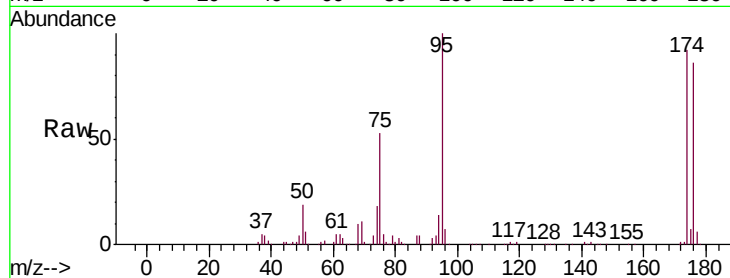
Tgt Ion: 75 Resp: 83413

Ion Ratio Lower Upper

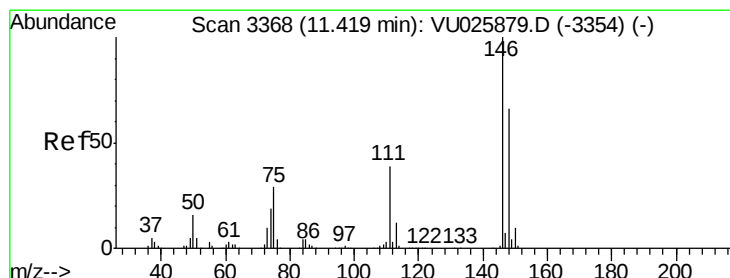
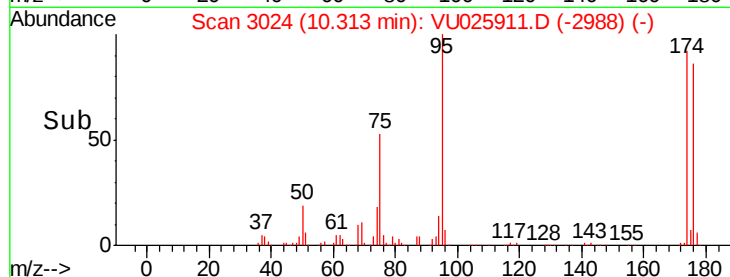
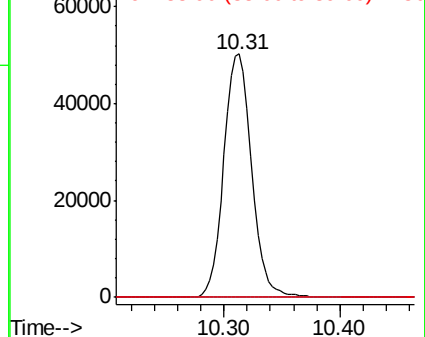
75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#87

1,3-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

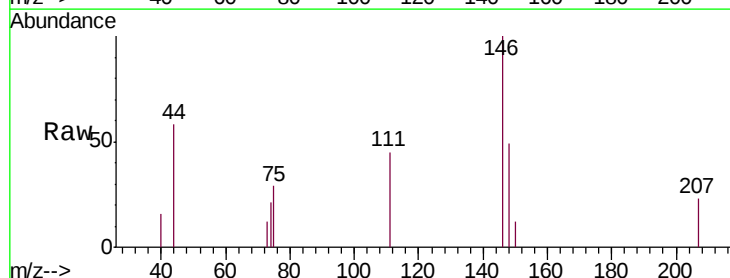
Tgt Ion: 146 Resp: 1351

Ion Ratio Lower Upper

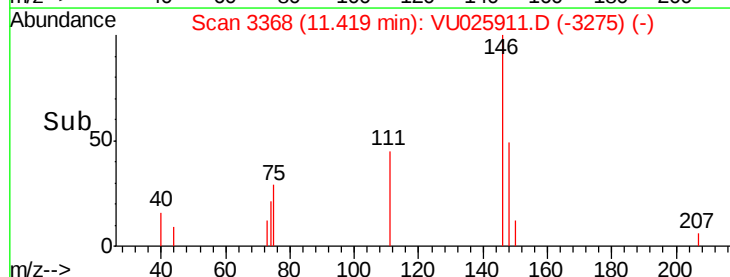
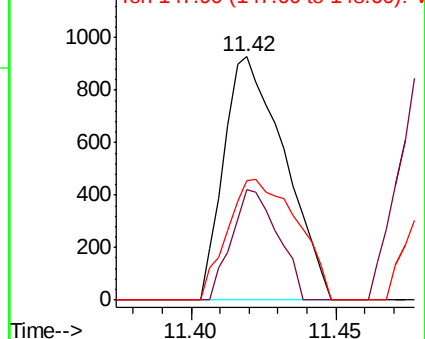
146 100

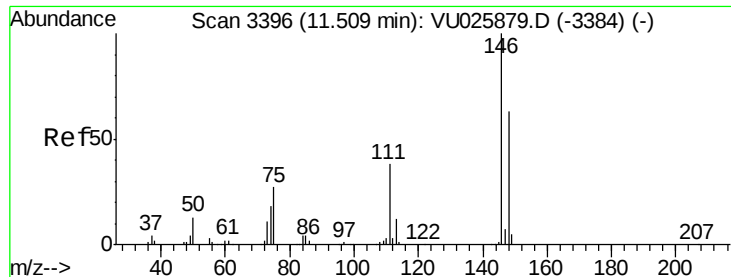
111 34.6 19.7 59.1

148 56.8 32.1 96.3



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





#88

1,4-Dichlorobenzene

Concen: 0.222 ug/l

RT: 11.42 min Scan# 3368

Delta R.T. -0.09 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-4

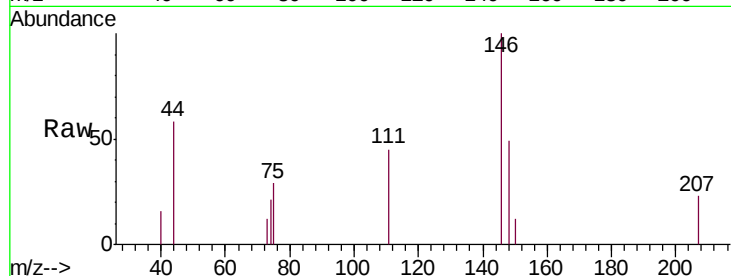
Tgt Ion:146 Resp: 1351

Ion Ratio Lower Upper

146 100

111 34.6 19.4 58.1

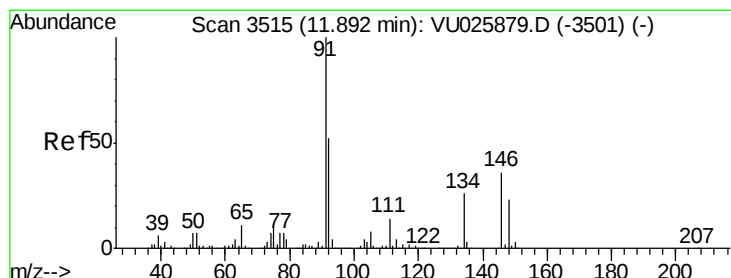
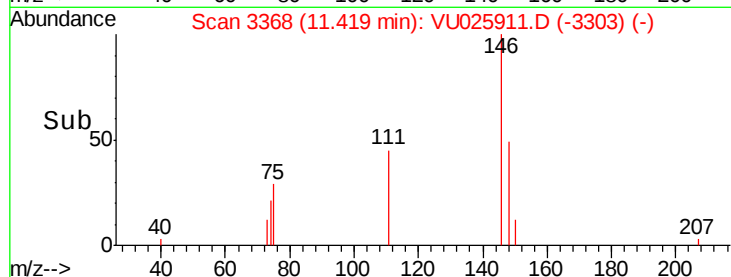
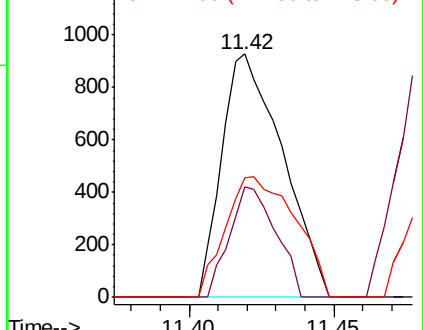
148 56.8 31.7 95.1



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



#89

n-Butylbenzene

Concen: 0.225 ug/l

RT: 11.90 min Scan# 3517

Delta R.T. 0.01 min

Lab File: VU025911.D

Acq: 07 Aug 2018 01:54

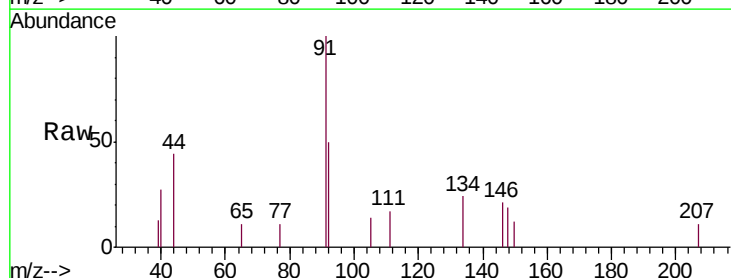
Tgt Ion: 91 Resp: 2188

Ion Ratio Lower Upper

91 100

92 47.8 26.5 79.5

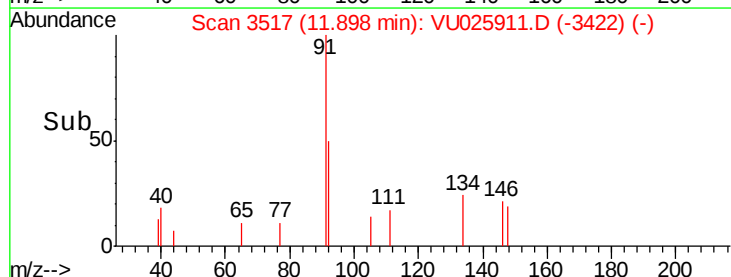
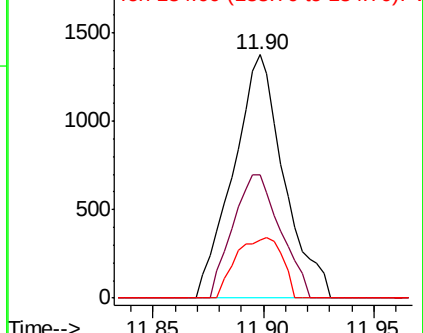
134 22.8 13.6 40.7

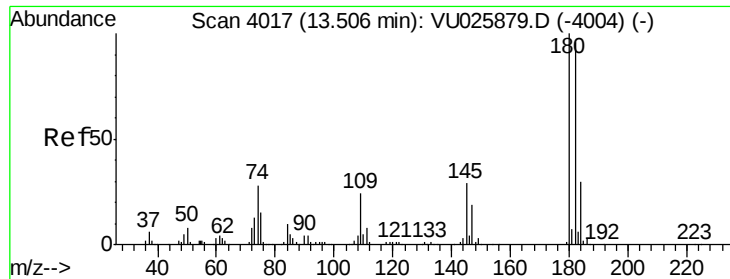


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

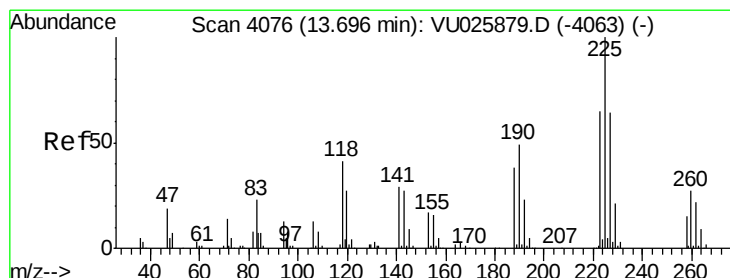
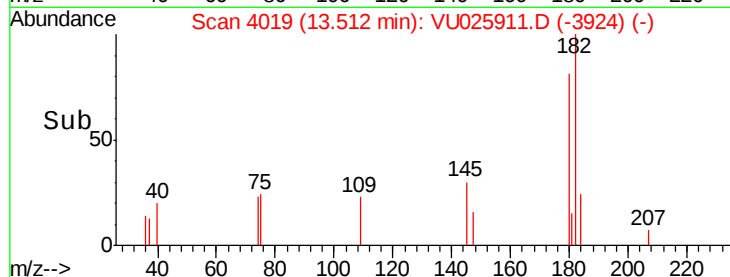
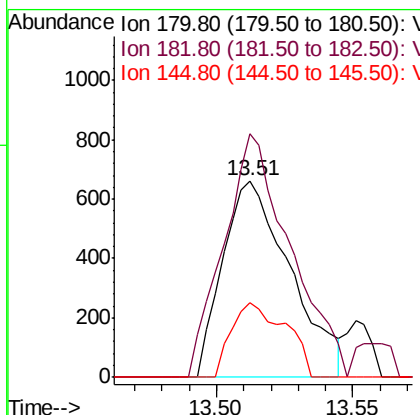
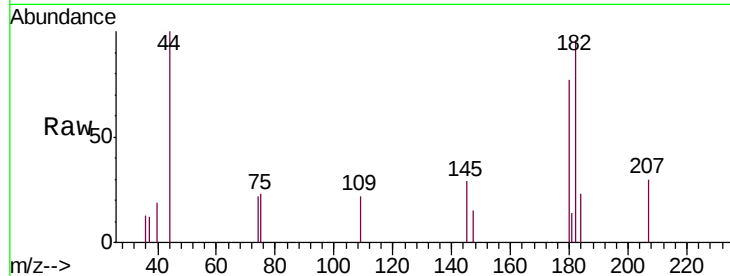




#93
 1,2,4-Trichlorobenzene
 Concen: 0.295 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU025911.D
 Acq: 07 Aug 2018 01:54

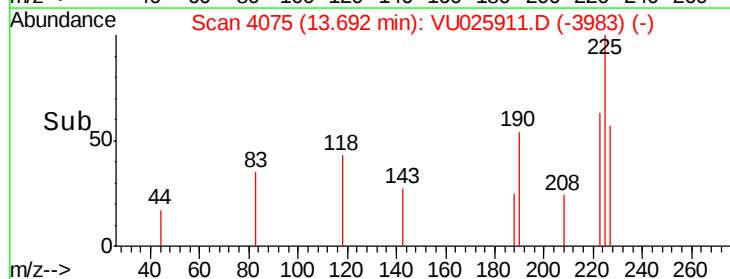
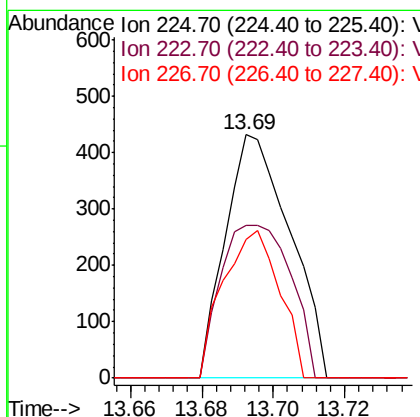
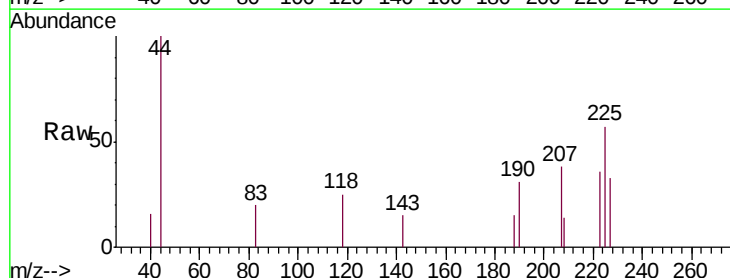
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-TB-2018-4

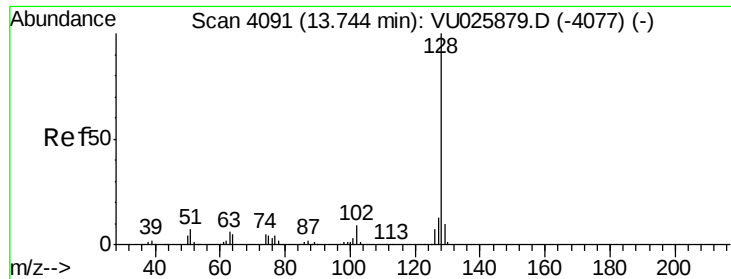
Tgt Ion:180 Resp: 1139
 Ion Ratio Lower Upper
 180 100
 182 121.8 47.3 141.9
 145 30.3 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 0.265 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU025911.D
 Acq: 07 Aug 2018 01:54

Tgt Ion:225 Resp: 540
 Ion Ratio Lower Upper
 225 100
 223 68.1 31.9 95.7
 227 52.8 32.3 96.9

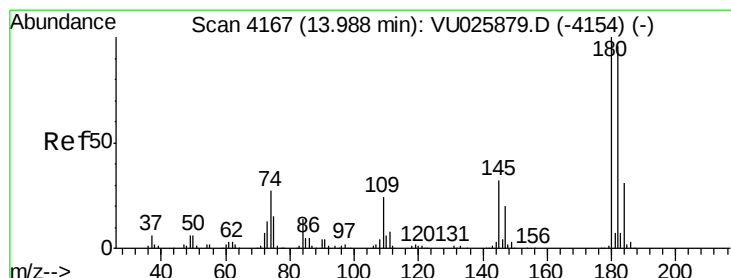
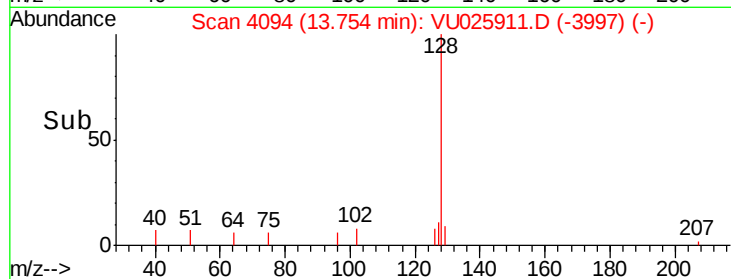
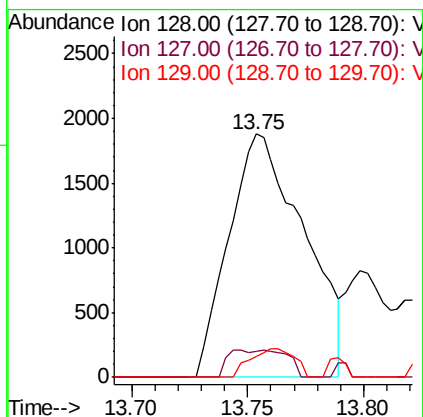
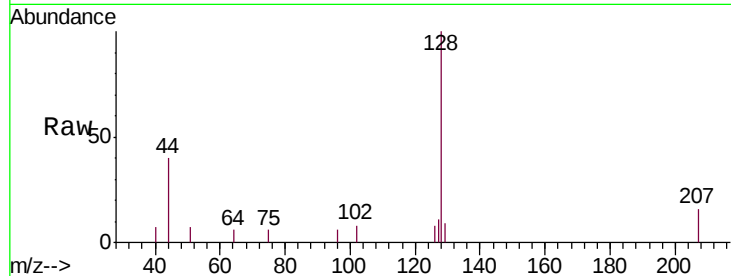




#95
Naphthalene
Concen: 1.584 ug/l
RT: 13.75 min Scan# 4094
Delta R.T. 0.01 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-4

Tgt Ion:128 Resp: 4239
Ion Ratio Lower Upper
128 100
127 3.5 10.5 15.7#
129 6.9 8.3 12.5#



#96
1,2,3-Trichlorobenzene
Concen: 0.388 ug/l
RT: 13.99 min Scan# 4169
Delta R.T. 0.00 min
Lab File: VU025911.D
Acq: 07 Aug 2018 01:54

Tgt Ion:180 Resp: 1496
Ion Ratio Lower Upper
180 100
182 91.0 47.8 143.3
145 14.4 15.6 46.8#

