

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025691.D
 Acq On : 28 Jul 2018 00:41
 Operator : MD/SY
 Sample : J4154-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-EB-2018-1

Quant Time: Jul 28 05:30:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174900	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	272360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	158745	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134898	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	4.89	113	112906	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	7.57	98	393409	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
62) 4-Bromofluorobenzene	10.31	95	149106	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	

Target Compounds

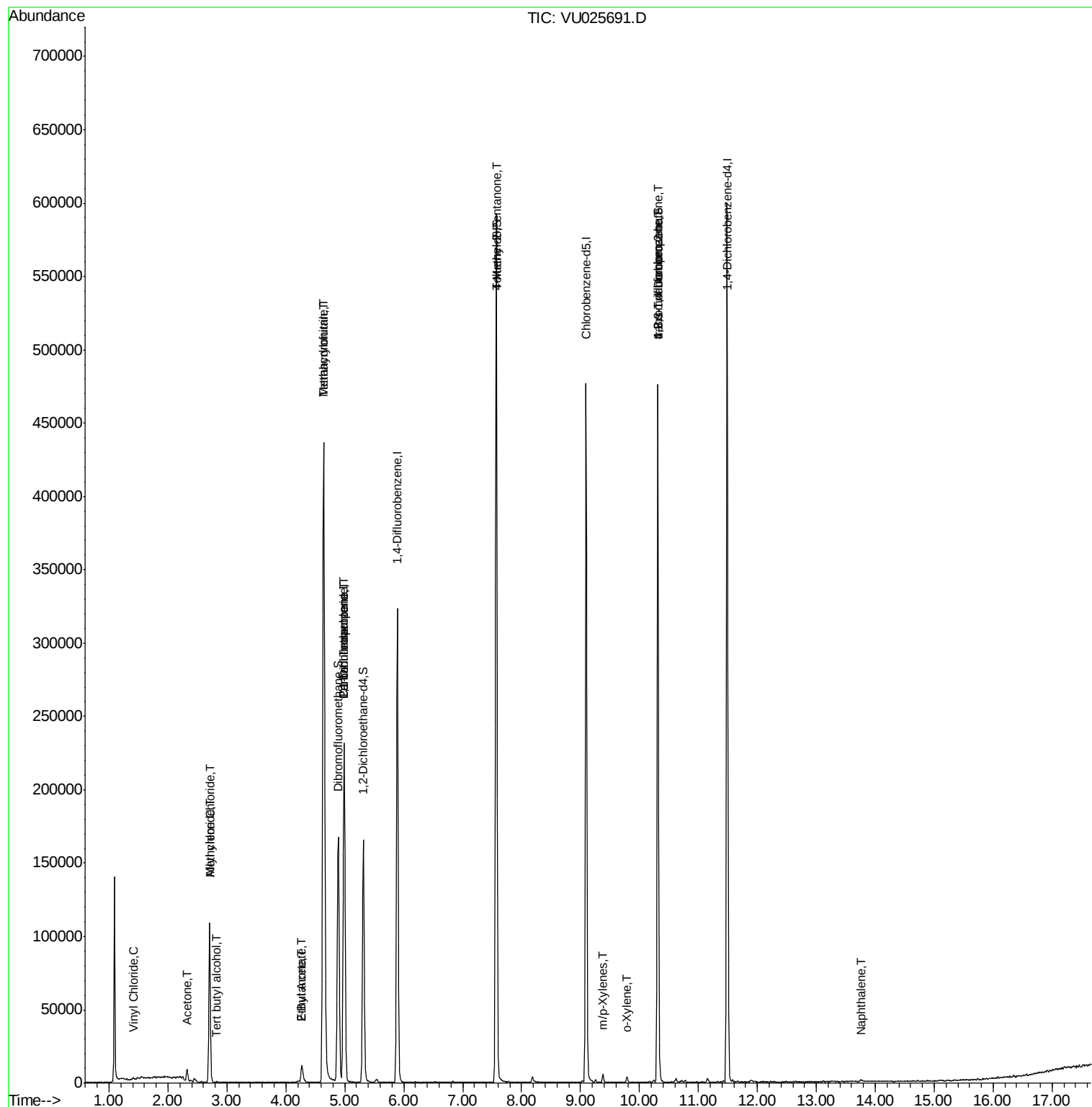
						Qvalue
4) Vinyl Chloride	1.41	62	695	0.29	ug/l	94
11) Tert butyl alcohol	2.83	59	524	0.88	ug/l #	73
13) Acrolein	2.19	56	21	Below	Cal #	1
14) Allyl chloride	2.71	41	1884	0.56	ug/l #	20
16) Acetone	2.32	43	8746	6.58	ug/l	95
20) Methylene Chloride	2.71	84	48102	20.43	ug/l	98
25) 2-Butanone	4.27	43	19887	11.00	ug/l	98
29) Tetrahydrofuran	4.64	42	326659	301.47	ug/l	98
31) Cyclohexane	4.99	56	3592	Below	Cal #	23
36) 1,1-Dichloropropene	4.99	75	12794	4.02	ug/l #	46
37) Ethyl Acetate	4.27	43	19887	6.03	ug/l #	69
38) Carbon Tetrachloride	4.99	117	16758	4.65	ug/l #	16
41) Methacrylonitrile	4.64	41	189153	103.19	ug/l #	45
51) 4-Methyl-2-Pentanone	7.57	43	1905	0.56	ug/l #	1
68) m/p-Xylenes	9.38	106	1642	0.38	ug/l	94
69) o-Xylene	9.78	106	1268	0.30	ug/l	73
76) 1,2,3-Trichloropropane	10.31	75	78408	22.42	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	78408	56.21	ug/l #	100
95) Naphthalene	13.76	128	2564	1.46	ug/l #	74

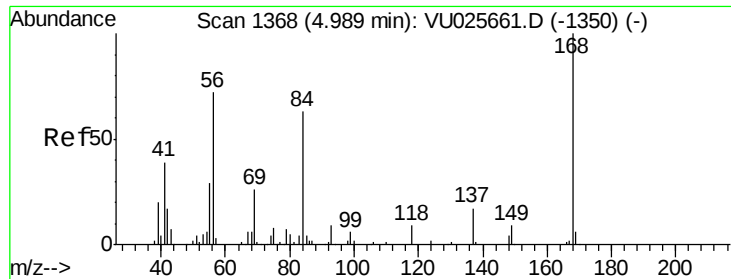
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
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: VU025691.D

Acq: 28 Jul 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

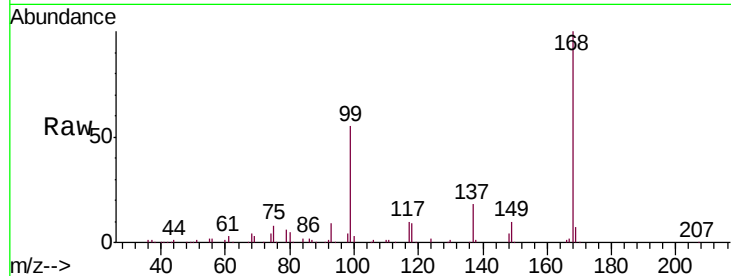
FL-EB-2018-1

Tot Ion:168 Resp: 174900

Ion Ratio Lower Upper

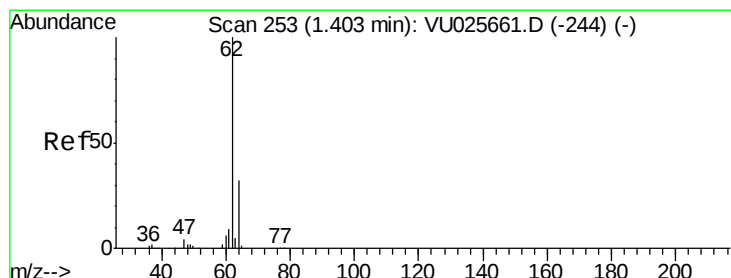
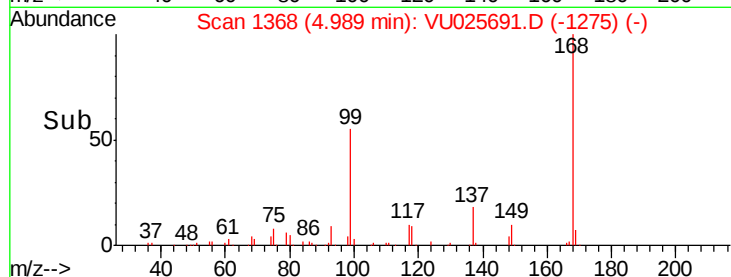
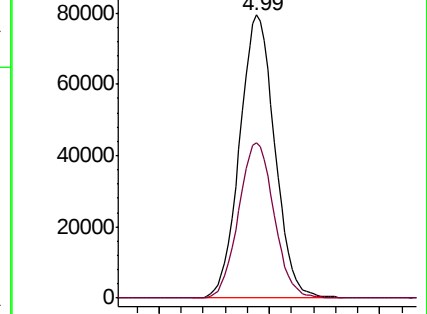
168 100

99 55.1 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#4

Vinyl Chloride

Concen: 0.29 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025691.D

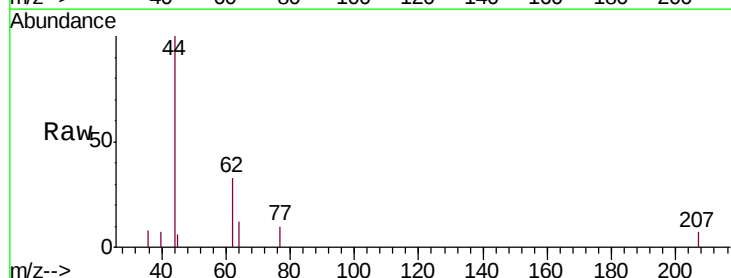
Acq: 28 Jul 2018 00:41

Tgt Ion: 62 Resp: 695

Ion Ratio Lower Upper

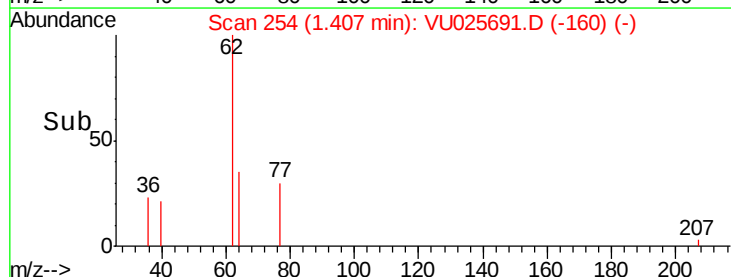
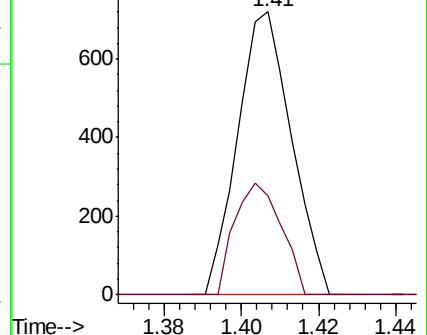
62 100

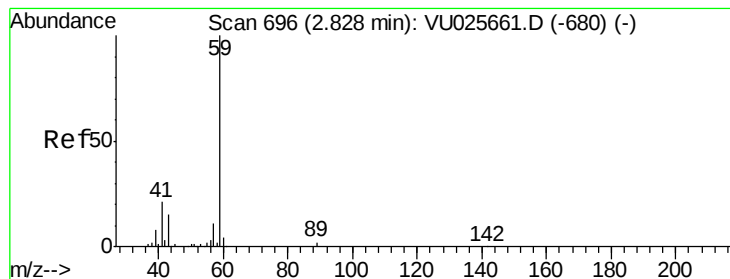
64 35.1 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU025661.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU025661.D (-244) (-)



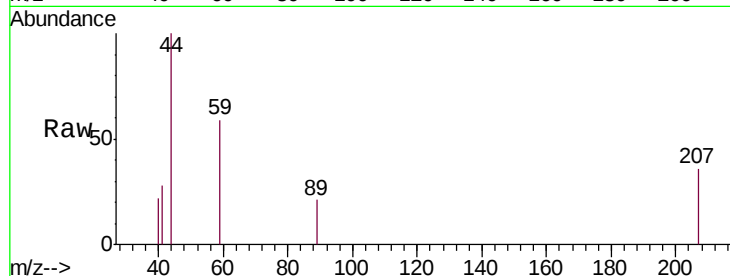


#11

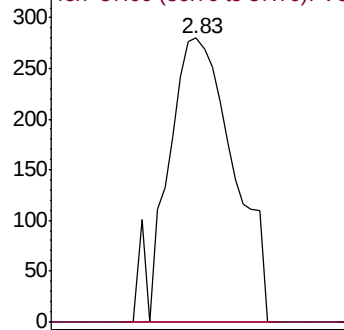
Tert butyl alcohol
Concen: 0.88 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Instrument :
MSVOA_U
ClientSampled :
FL-EB-2018-1

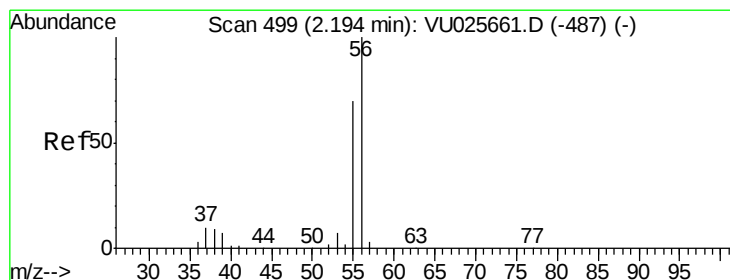
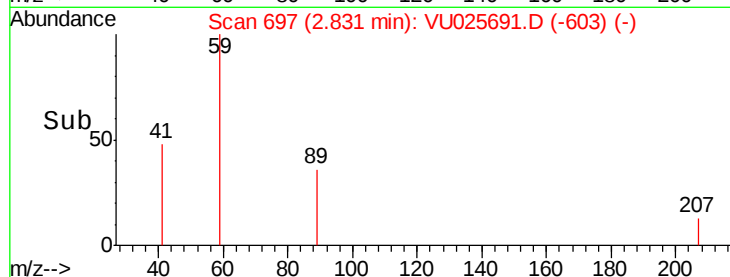
Tot Ion: 59 Resp: 524
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0



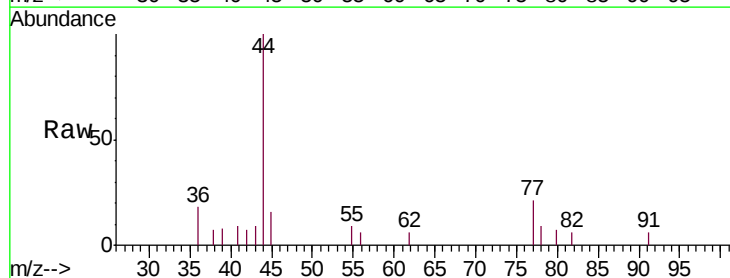
Time-->



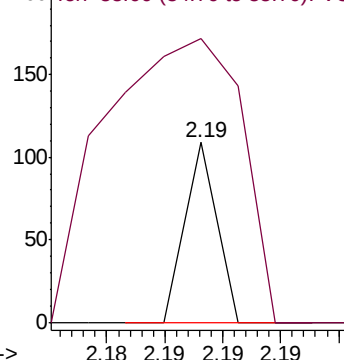
#13

Acrolein
Concen: Below Cal
RT: 2.19 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

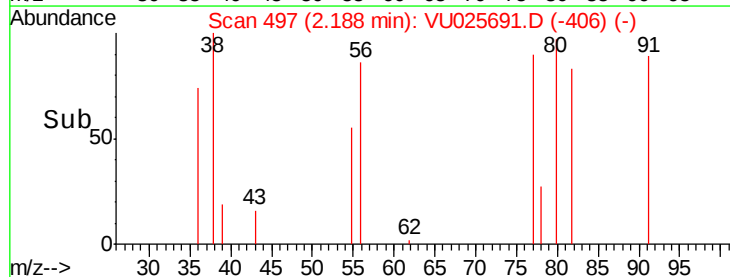
Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 671.4 57.2 85.8#

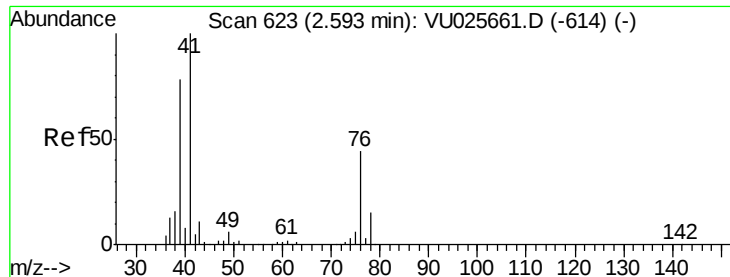


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 55.00 (54.70 to 55.70): VU0



Time-->

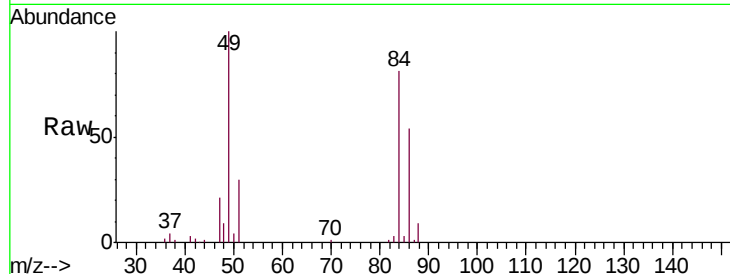




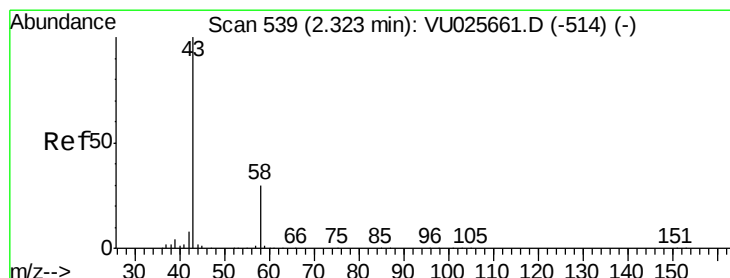
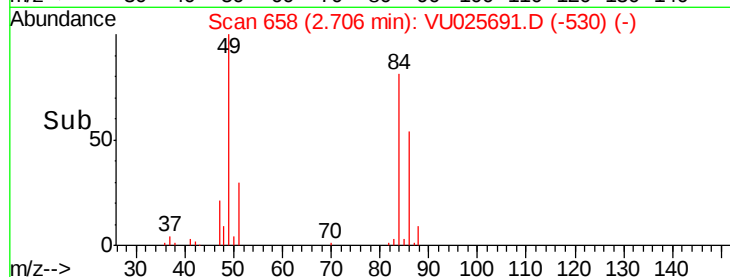
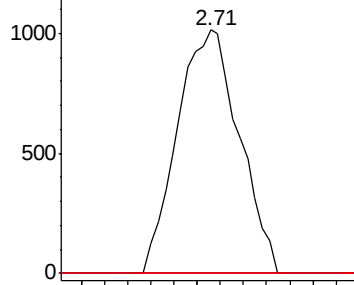
#14
Allvl chloride
Concen: 0.56 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.11 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
FL-EB-2018-1

Tot Ion: 41 Resp: 1884
Ion Ratio Lower Upper
41 100
39 0.0 60.6 91.0#
76 0.0 30.5 45.7#

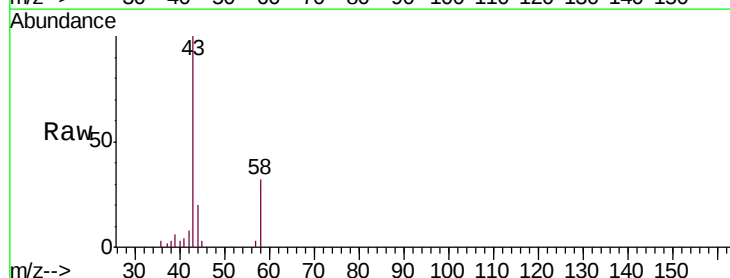


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 75.90 (75.60 to 76.60): VU0

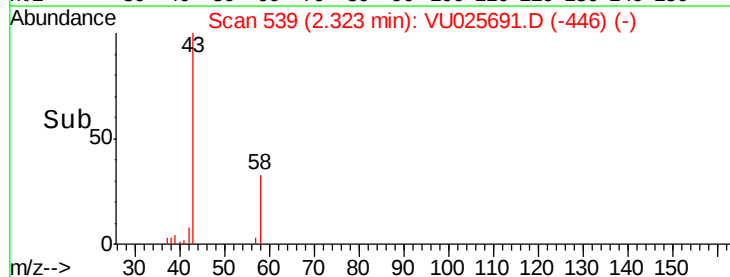
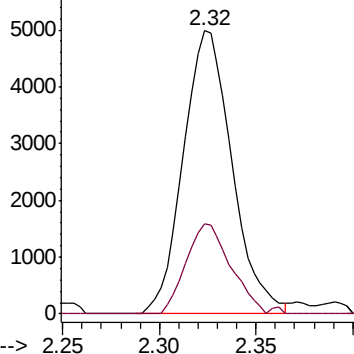


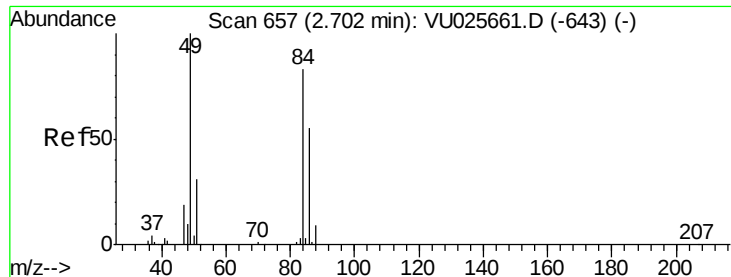
#16
Acetone
Concen: 6.58 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Tgt Ion: 43 Resp: 8746
Ion Ratio Lower Upper
43 100
58 31.6 23.1 34.7



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

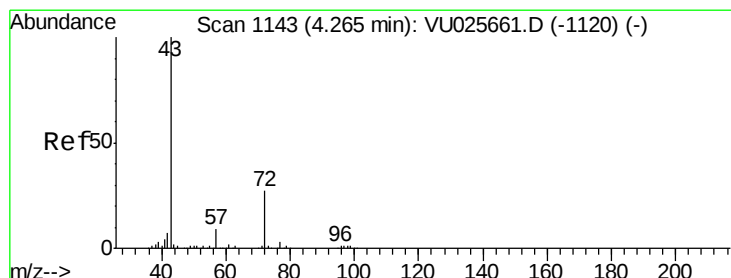
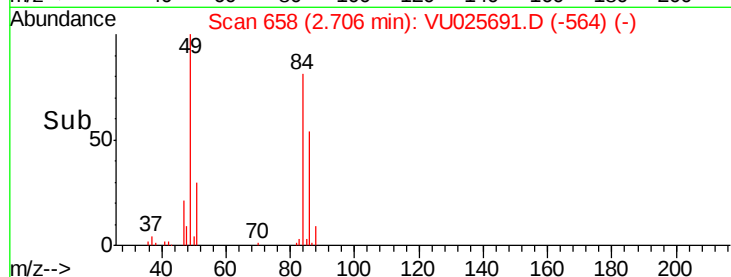
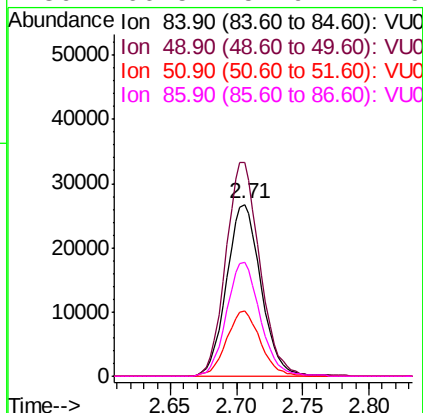
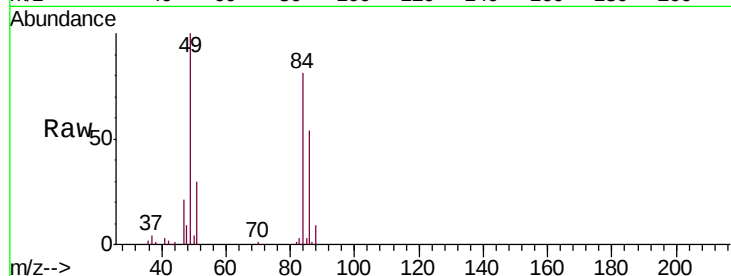




#20
Methylene Chloride
Concen: 20.43 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

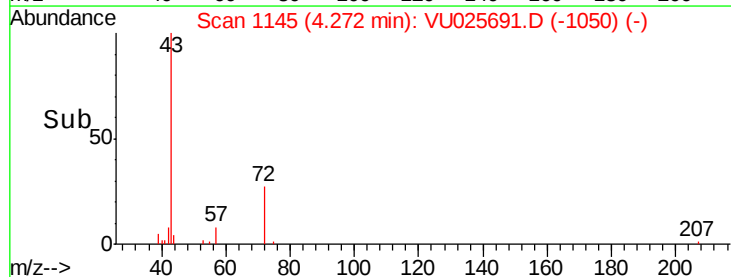
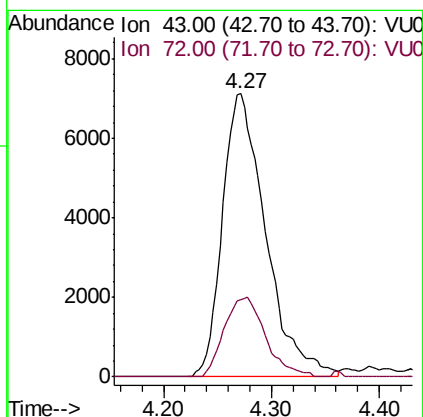
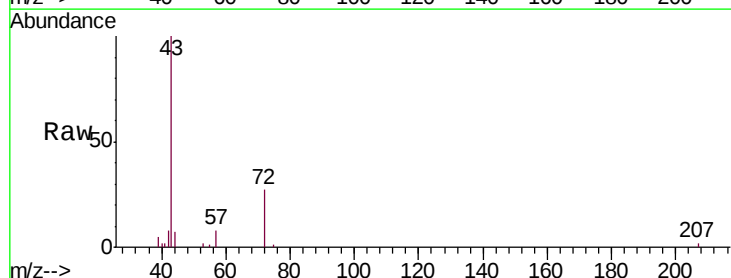
Instrument :
MSVOA_U
ClientSampleId :
FL-EB-2018-1

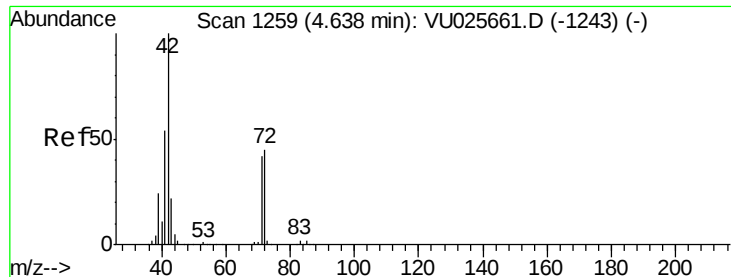
Tot Ion: 84 Resp: 48102
Ion Ratio Lower Upper
84 100
49 124.0 101.8 152.6
51 37.7 30.8 46.2
86 66.5 51.9 77.9



#25
2-Butanone
Concen: 11.00 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Tgt Ion: 43 Resp: 19887
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.4





#29

Tetrahydrofuran

Concen: 301.47 ug/l

RT: 4.64 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

FL-EB-2018-1

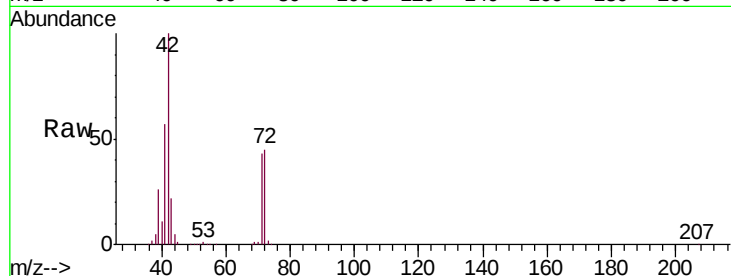
Tot Ion: 42 Resp: 326659

Ion Ratio Lower Upper

42 100

72 43.9 36.7 55.1

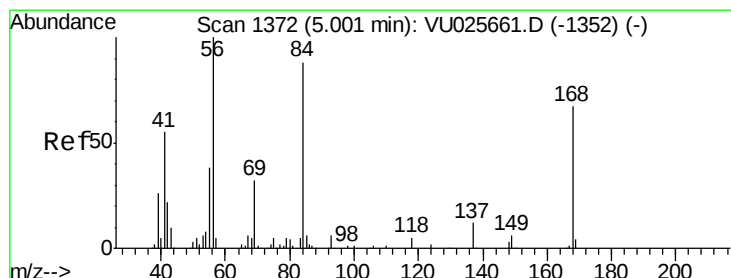
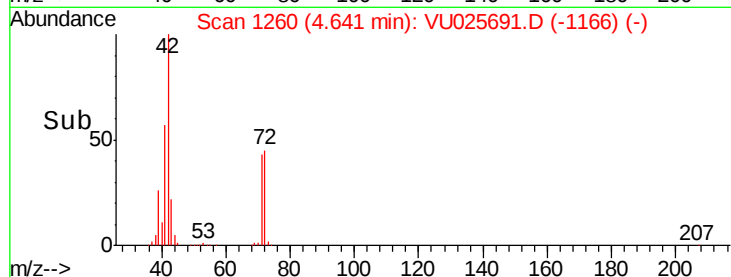
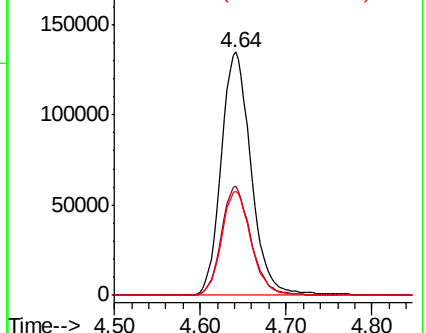
71 42.0 33.9 50.9



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

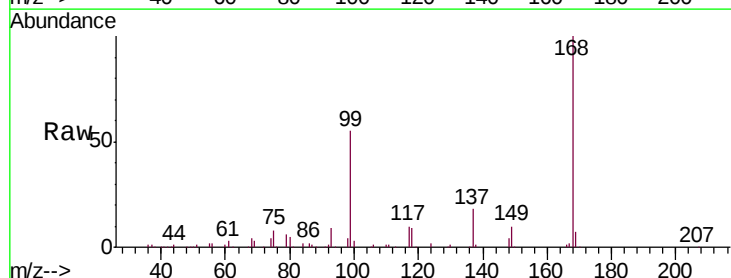
Tgt Ion: 56 Resp: 3592

Ion Ratio Lower Upper

56 100

69 152.5 26.8 40.2#

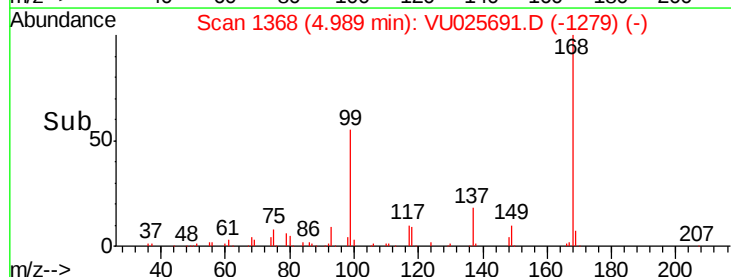
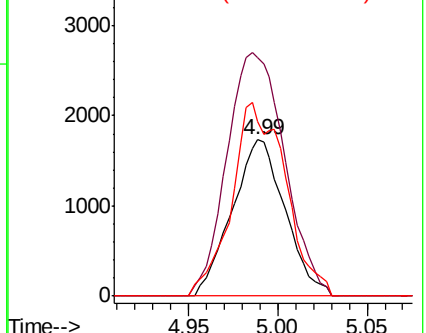
84 111.9 69.7 104.5#

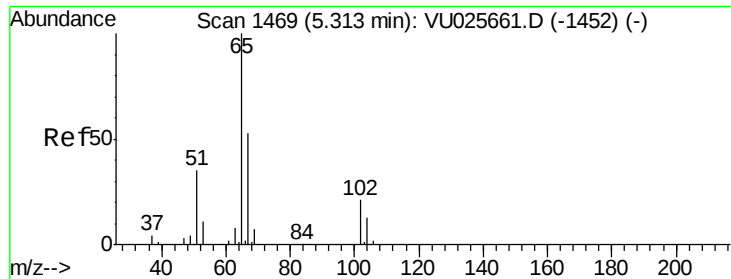


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#33

1,2-Dichloroethane-d4

Concen: 49.50 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

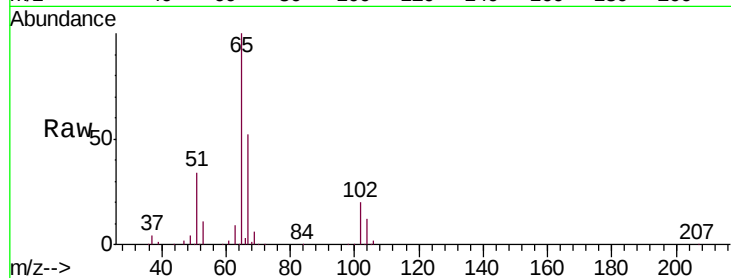
FL-EB-2018-1

Tot Ion: 65 Resp: 134898

Ion Ratio Lower Upper

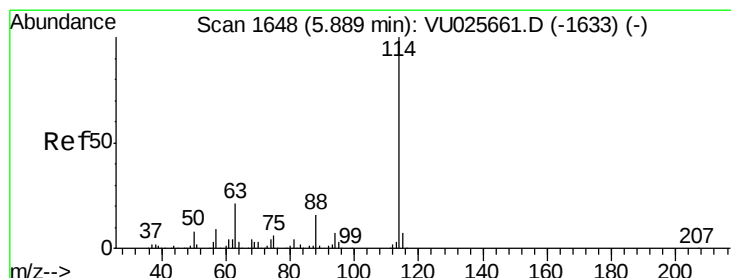
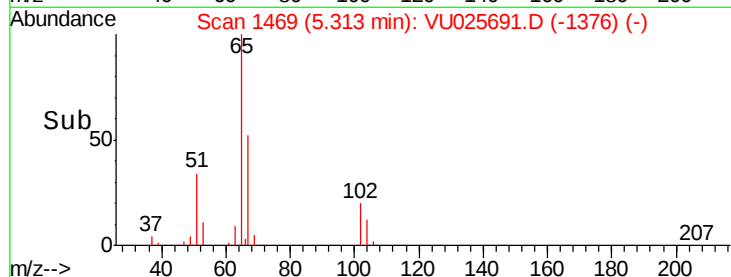
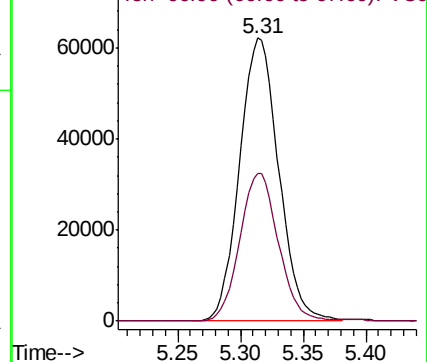
65 100

67 51.5 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU025661.D (-1452) (-)

Ion 66.90 (66.60 to 67.60): VU025661.D (-1452) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

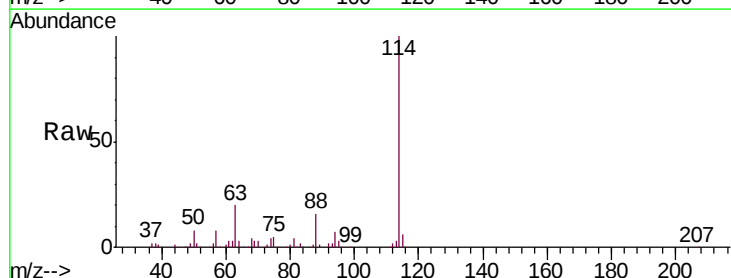
Tgt Ion: 114 Resp: 272360

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

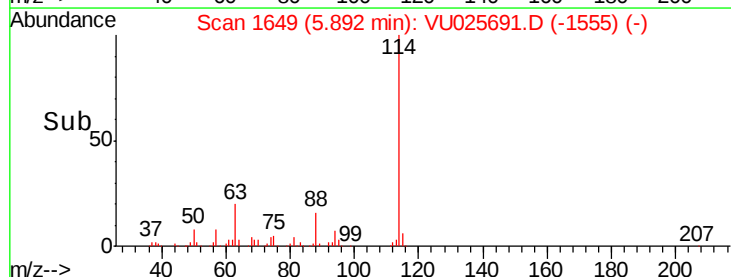
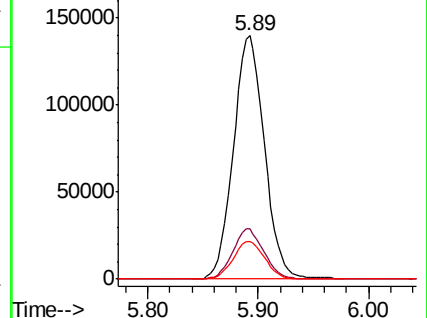
88 15.6 0.0 32.4

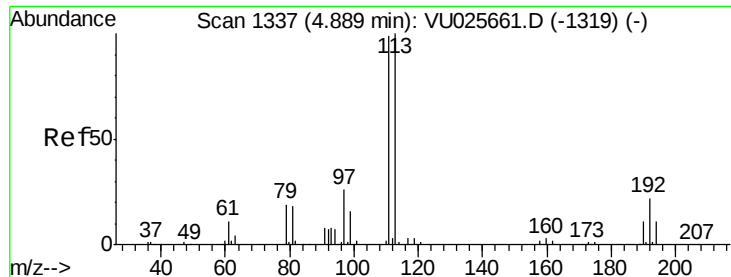


Abundance Ion 113.90 (113.60 to 114.60): VU025661.D (-1633) (-)

Ion 63.00 (62.70 to 63.70): VU025661.D (-1633) (-)

Ion 87.90 (87.60 to 88.60): VU025661.D (-1633) (-)

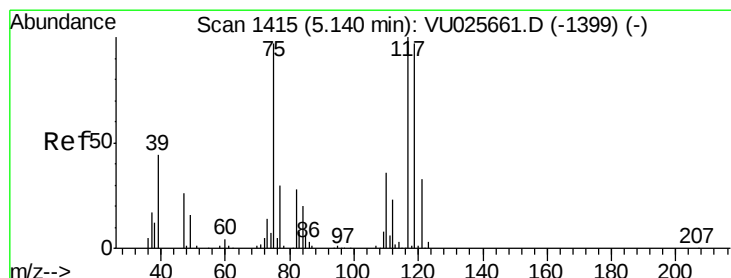
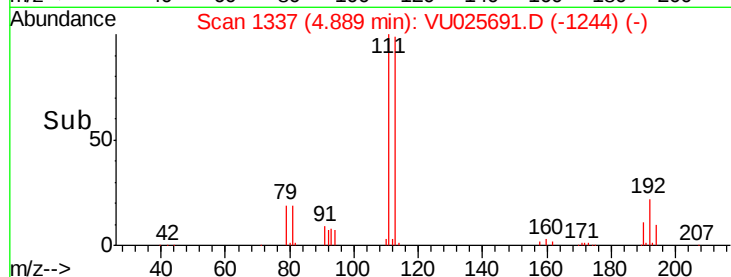
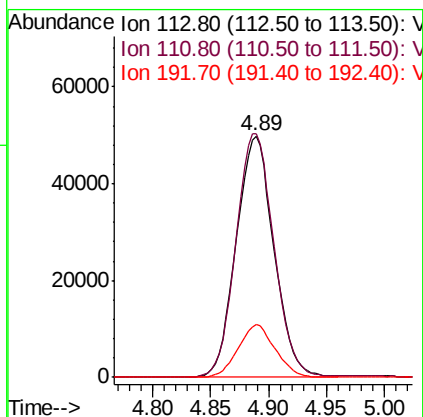
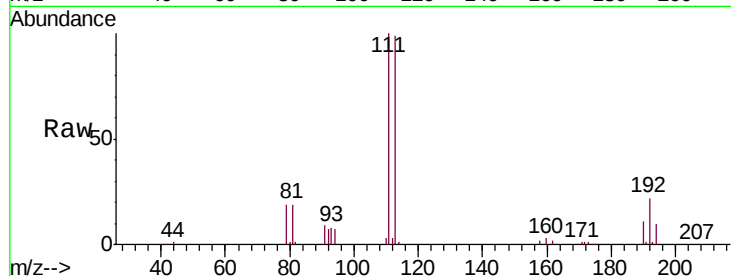




#35
 Dibromofluoromethane
 Concen: 47.66 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025691.D
 Acq: 28 Jul 2018 00:41

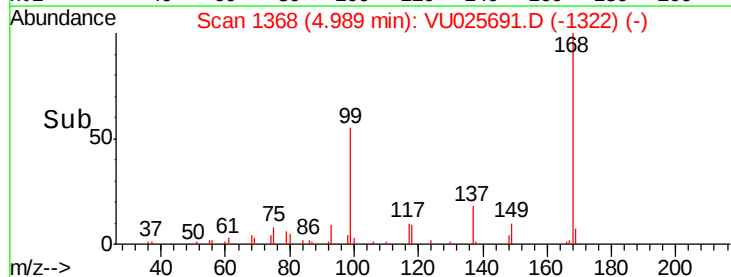
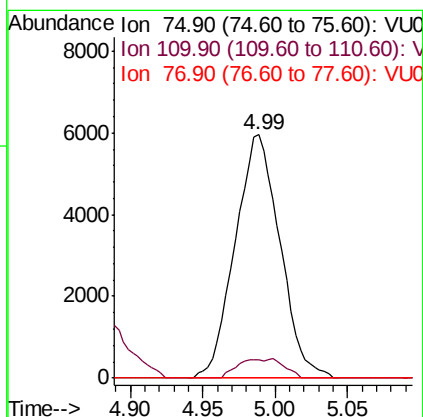
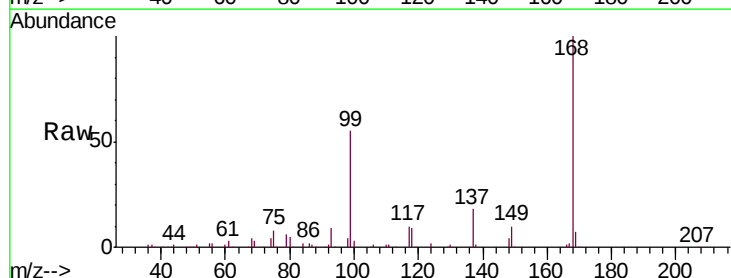
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-EB-2018-1

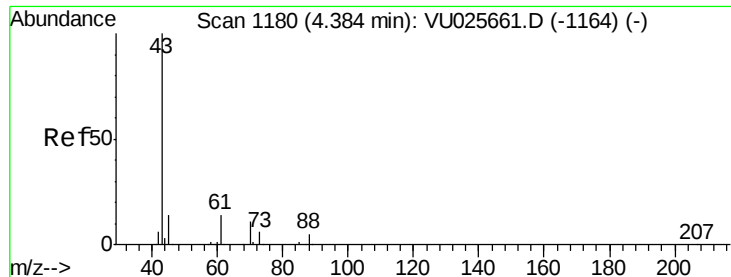
Tot Ion:113 Resp: 112906
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.7 122.5
 192 21.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.02 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025691.D
 Acq: 28 Jul 2018 00:41

Tgt Ion: 75 Resp: 12794
 Ion Ratio Lower Upper
 75 100
 110 4.8 17.6 52.9#
 77 0.0 24.4 36.6#

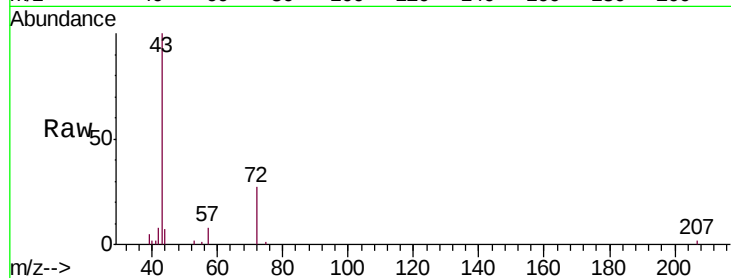




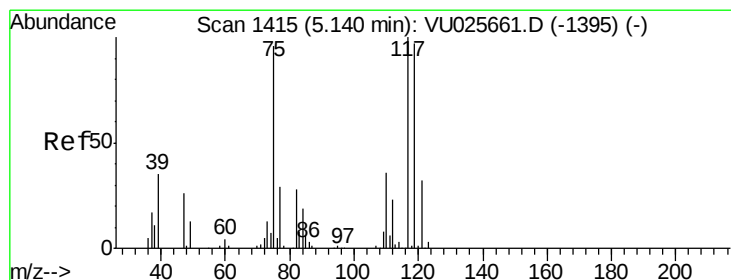
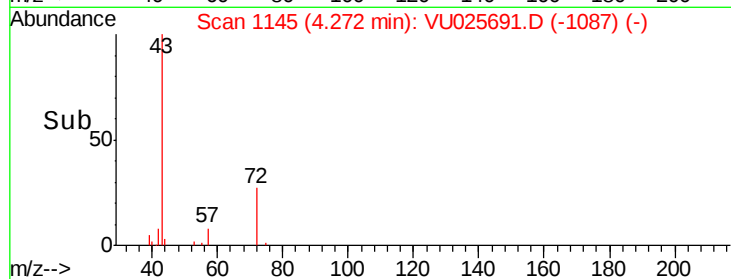
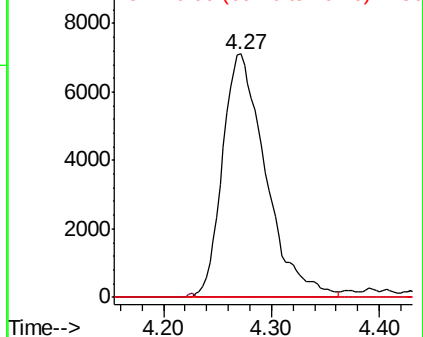
#37
Ethyl Acetate
Concen: 6.03 ug/l
RT: 4.27 min Scan# 1145
Delta R.T. -0.11 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
FL-EB-2018-1

Tot Ion: 43 Resp: 19887
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.0 8.4 12.6#

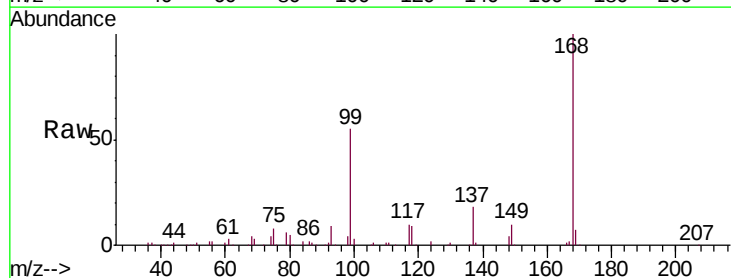


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 70.00 (69.70 to 70.70): VU0

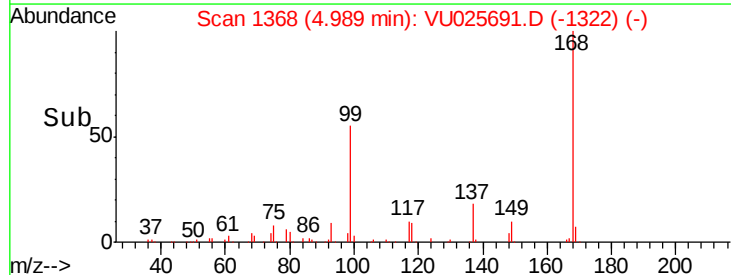
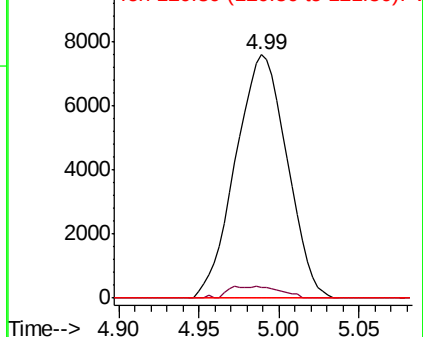


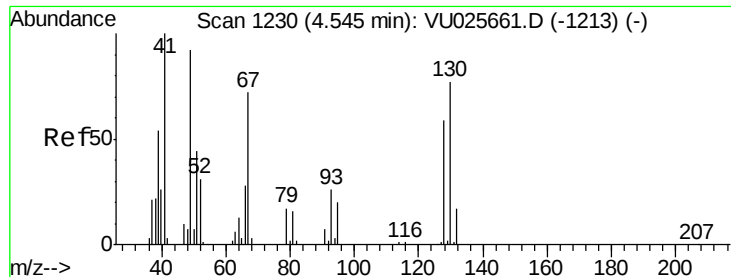
#38
Carbon Tetrachloride
Concen: 4.65 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Tgt Ion: 117 Resp: 16758
Ion Ratio Lower Upper
117 100
119 4.6 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

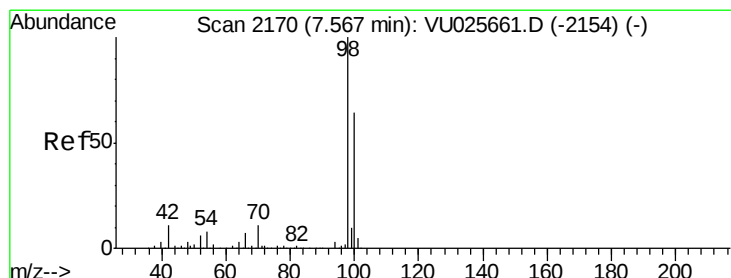
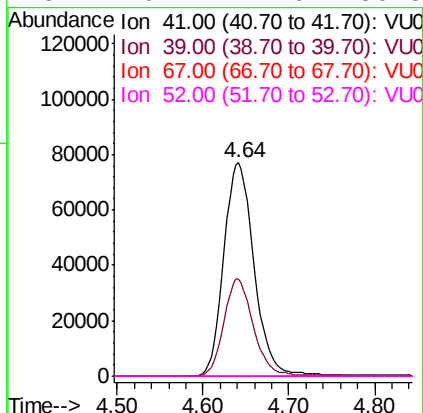
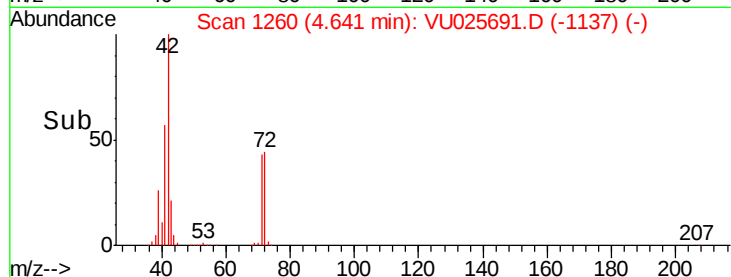
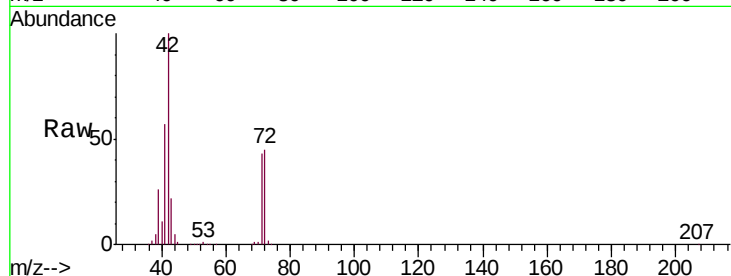




#41
Methacrylonitrile
Concen: 103.19 ug/l
RT: 4.64 min Scan# 1260
Delta R.T. 0.10 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

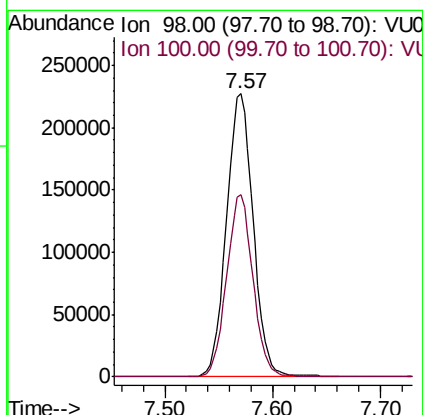
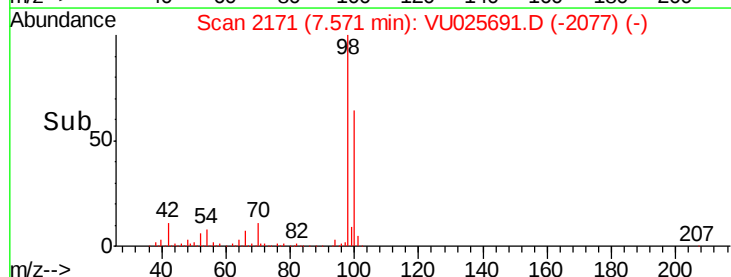
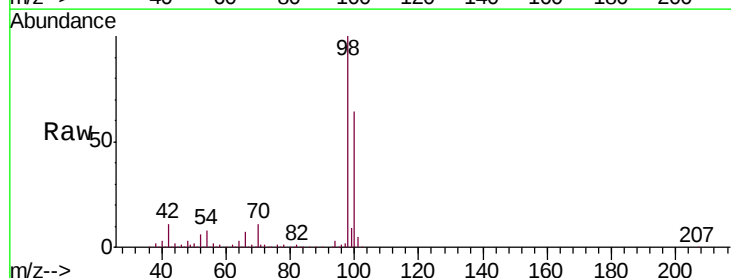
Instrument :
MSVOA_U
ClientSampleId :
FL-EB-2018-1

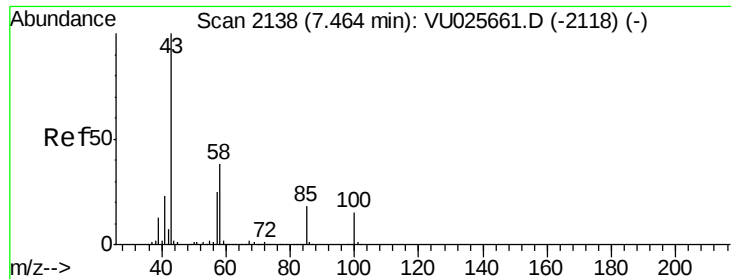
Tot Ion: 41 Resp: 189153
Ion Ratio Lower Upper
41 100
39 44.4 44.4 66.6
67 0.0 56.0 84.0#
52 0.1 24.6 36.8#



#50
Toluene-d8
Concen: 47.46 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Tgt Ion: 98 Resp: 393409
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 0.56 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.10 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

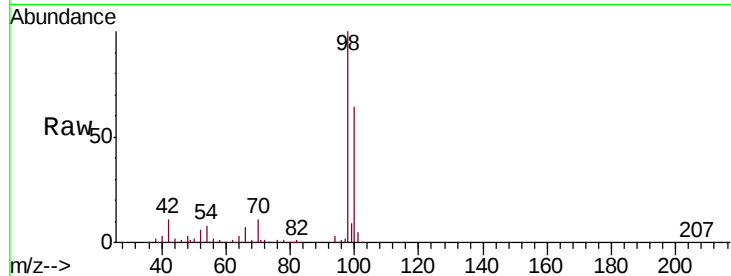
FL-EB-2018-1

Tot Ion: 43 Resp: 1905

Ion Ratio Lower Upper

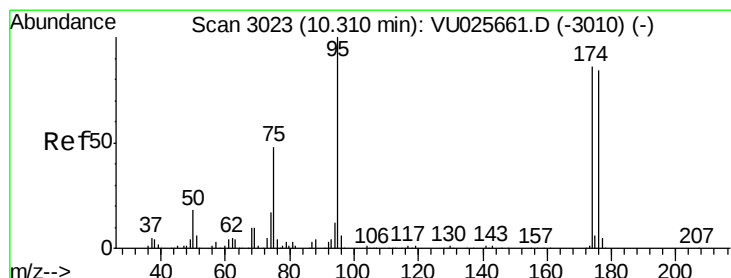
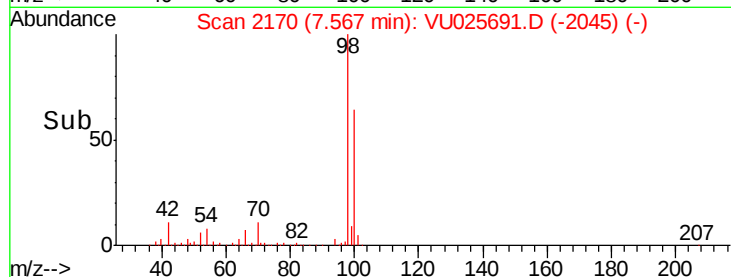
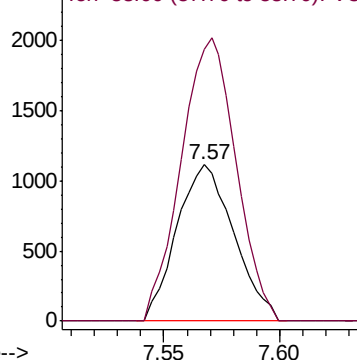
43 100

58 173.8 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#62

4-Bromofluorobenzene

Concen: 46.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

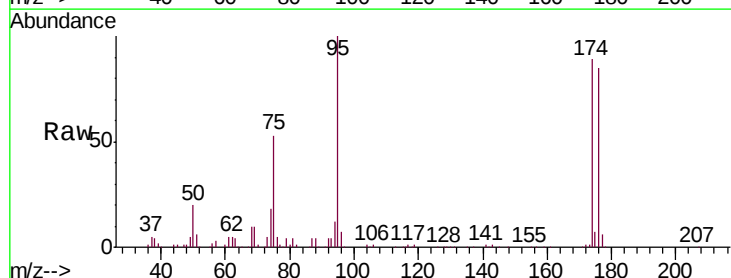
Tgt Ion: 95 Resp: 149106

Ion Ratio Lower Upper

95 100

174 89.5 0.0 172.2

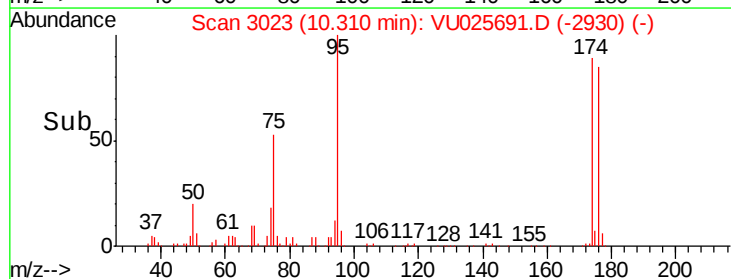
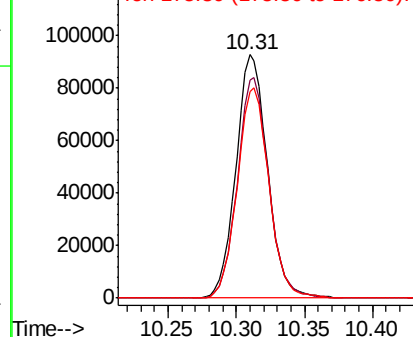
176 86.9 0.0 162.6

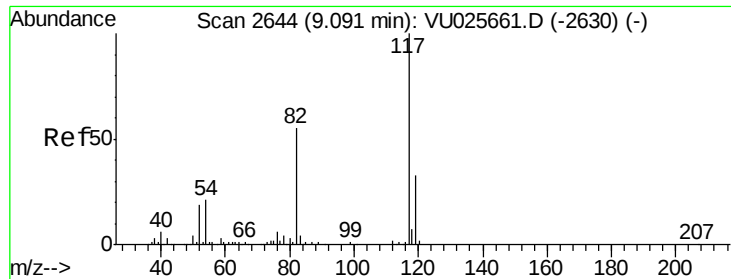


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

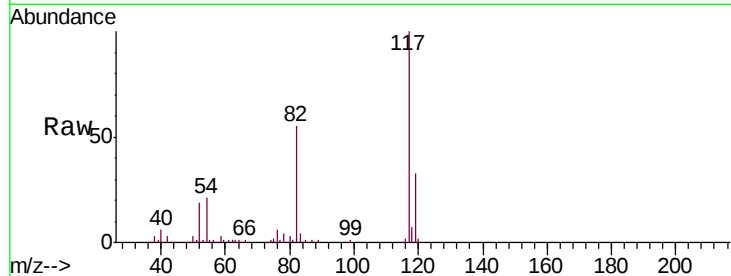




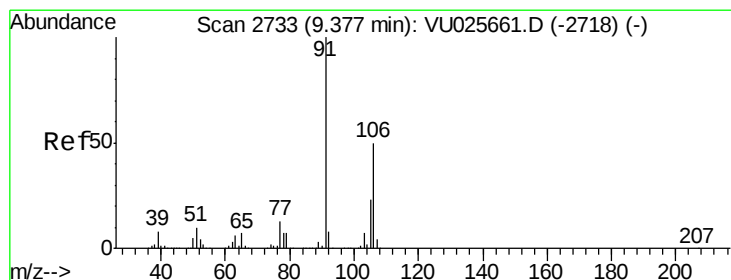
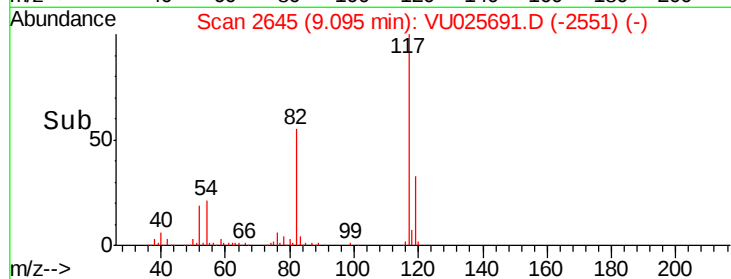
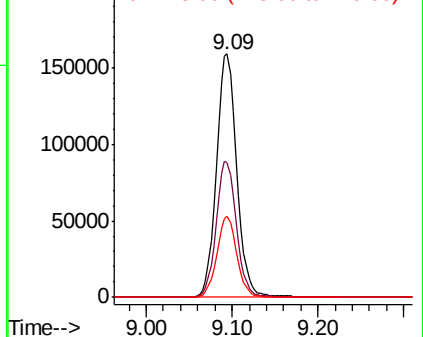
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
FL-EB-2018-1

Tot Ion:117 Resp: 262227
Ion Ratio Lower Upper
117 100
82 55.4 46.0 69.0
119 33.1 26.0 39.0

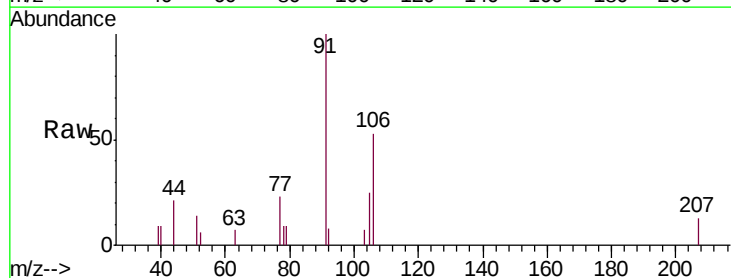


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

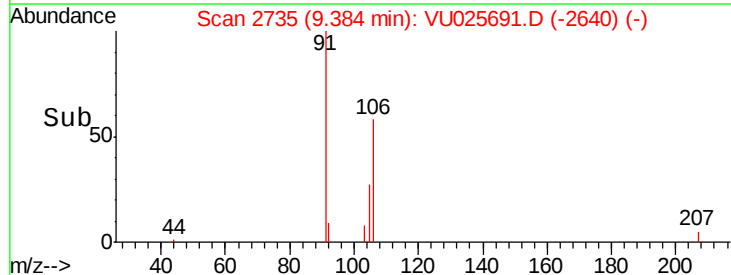
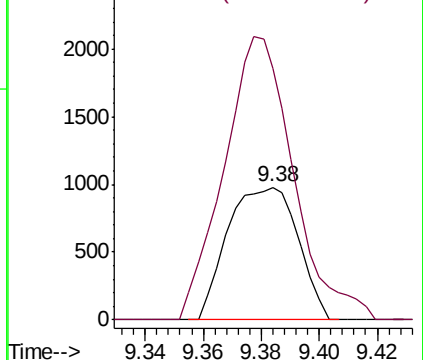


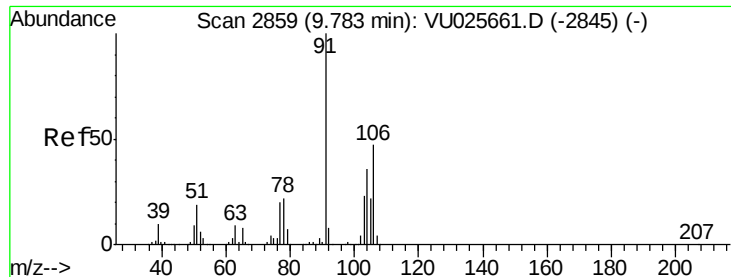
#68
m/p-Xylenes
Concen: 0.38 ug/l
RT: 9.38 min Scan# 2735
Delta R.T. 0.01 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Tgt Ion:106 Resp: 1642
Ion Ratio Lower Upper
106 100
91 211.6 162.3 243.5



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

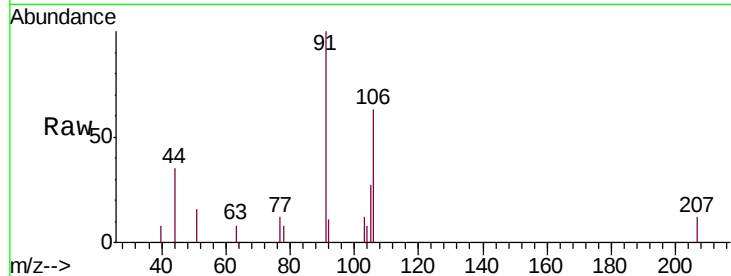




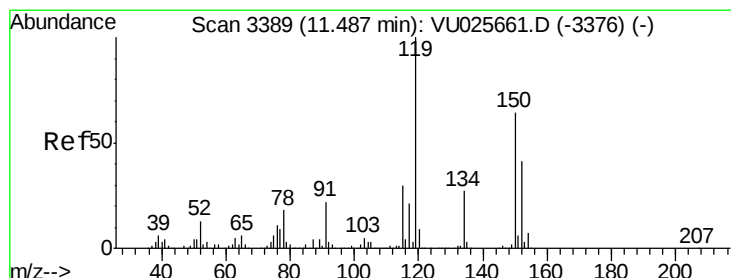
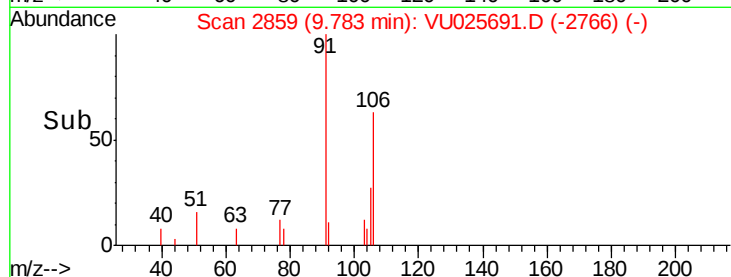
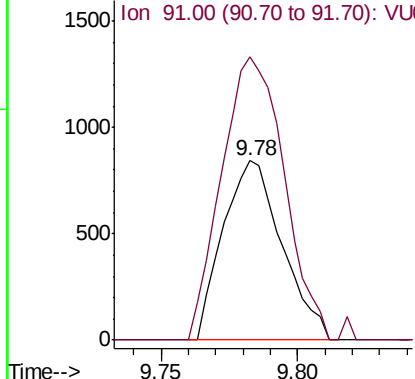
#69
o-Xylene
Concen: 0.30 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Instrument :
MSVOA_U
ClientSampleId :
FL-EB-2018-1

Tot Ion:106 Resp: 1268
Ion Ratio Lower Upper
106 100
91 167.6 105.3 315.8

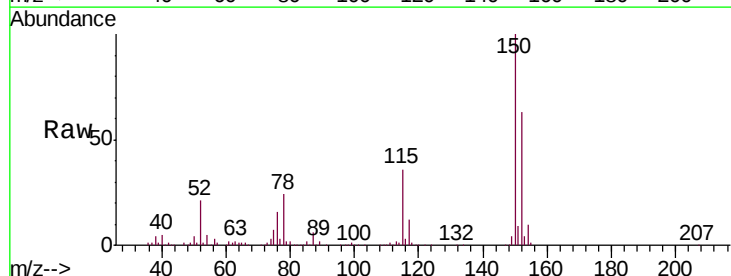


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

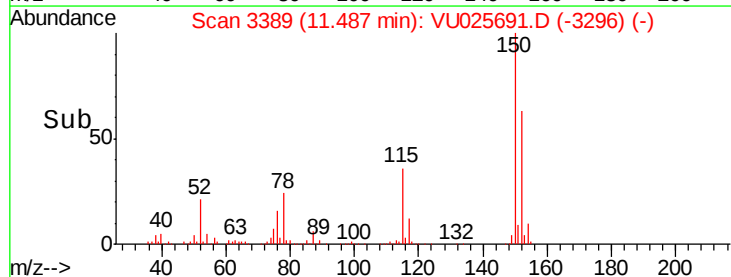
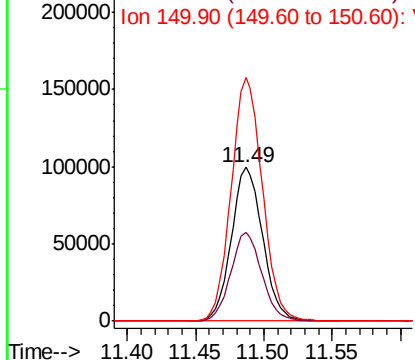


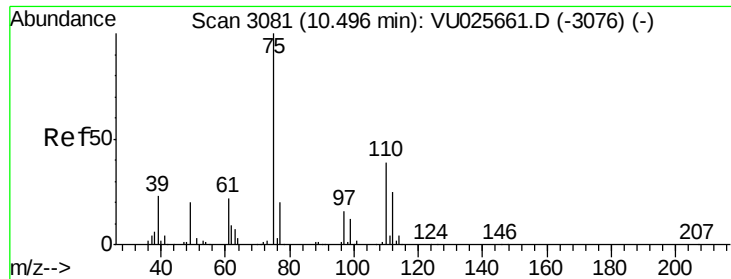
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025691.D
Acq: 28 Jul 2018 00:41

Tgt Ion:152 Resp: 158745
Ion Ratio Lower Upper
152 100
115 57.0 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





#76

1,2,3-Trichloropropane

Concen: 22.42 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

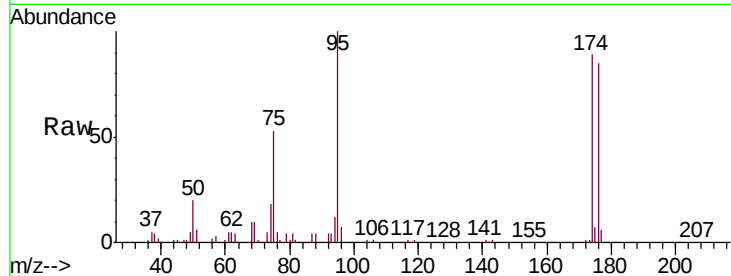
FL-EB-2018-1

Tot Ion: 75 Resp: 78408

Ion Ratio Lower Upper

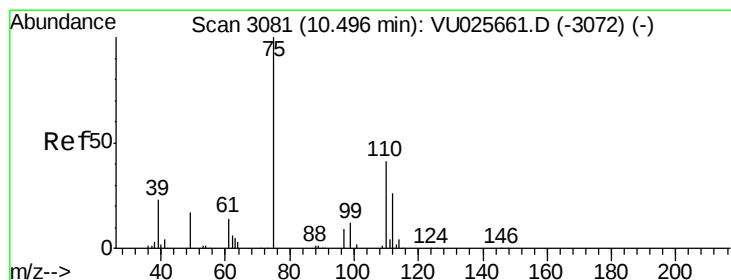
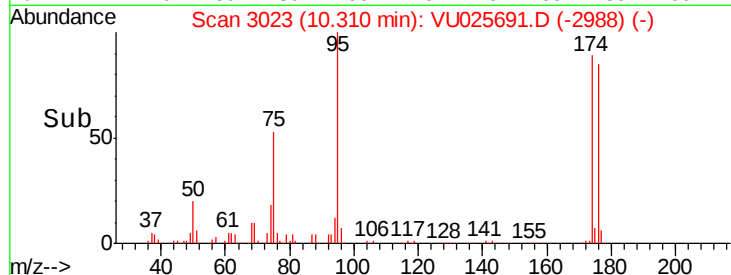
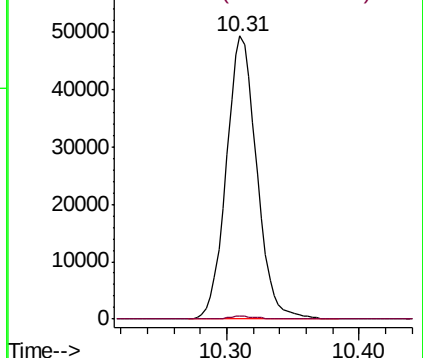
75 100

77 0.9 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: 56.21 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

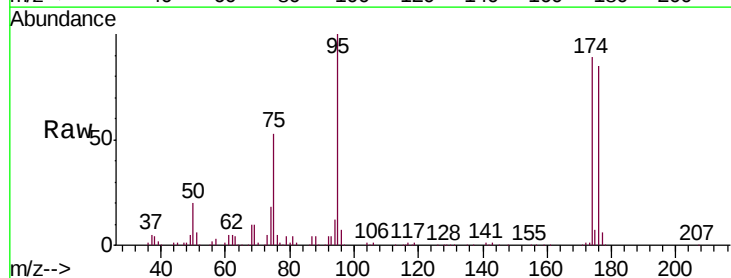
Tgt Ion: 75 Resp: 78408

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

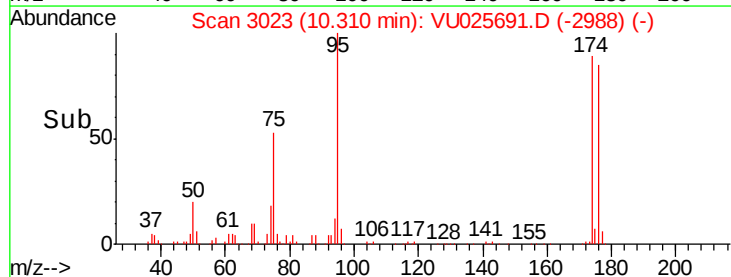
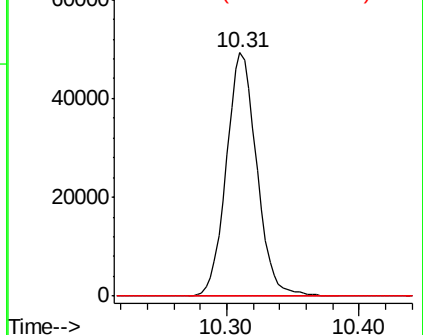
89 0.1 0.0 0.0#

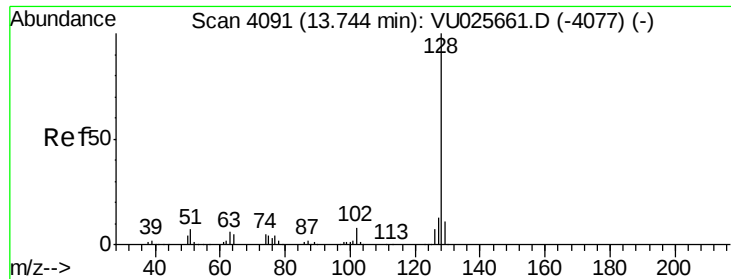


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 1.46 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025691.D

Acq: 28 Jul 2018 00:41

Instrument :

MSVOA_U

ClientSampleId :

FL-EB-2018-1

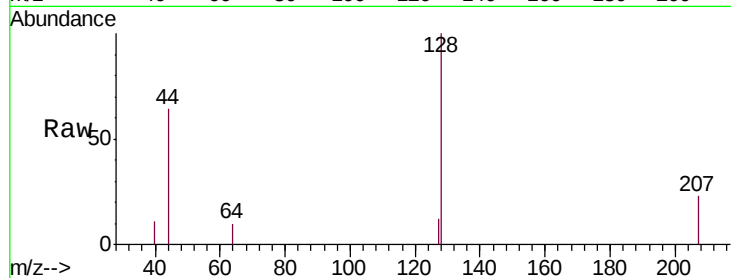
Tot Ion:128 Resp: 2564

Ion Ratio Lower Upper

128 100

127 2.9 10.5 15.7#

129 0.7 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

