

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025693.D
 Acq On : 28 Jul 2018 01:28
 Operator : MD/SY
 Sample : J4208-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-TB-2018-2

Quant Time: Jul 28 05:31:24 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	170672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	266246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	261929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	157203	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	131279	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	4.89	113	112437	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	7.57	98	387145	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	10.31	95	148571	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	

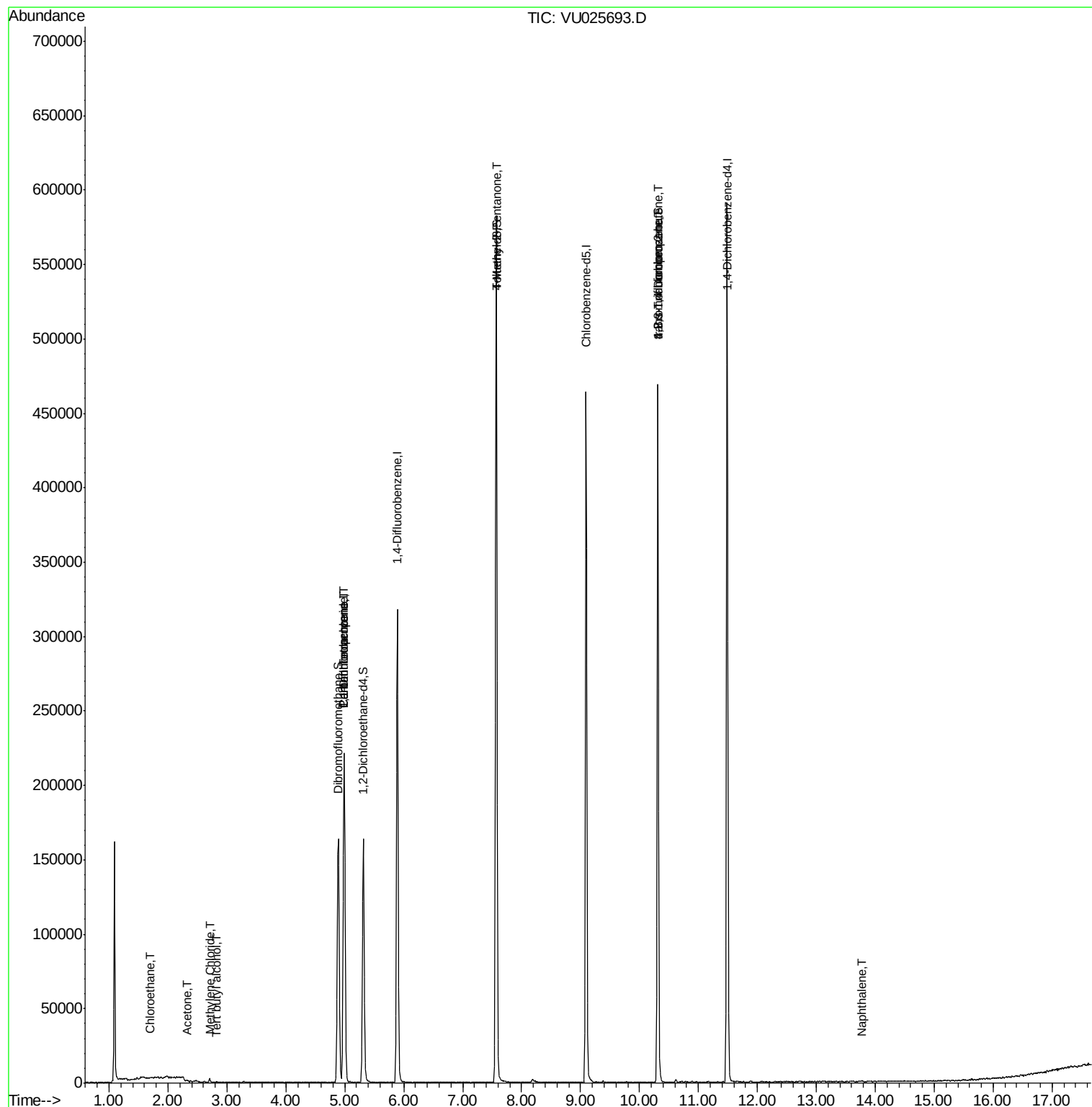
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	342	0.25	ug/l #	43
11) Tert butyl alcohol	2.82	59	323	0.55	ug/l #	73
13) Acrolein	2.22	56	42	Below Cal	#	74
16) Acetone	2.32	43	1119	0.86	ug/l	93
20) Methylene Chloride	2.71	84	1040	0.45	ug/l	93
31) Cyclohexane	4.99	56	3019	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	12372	3.98	ug/l #	50
38) Carbon Tetrachloride	4.99	117	16969	4.81	ug/l #	16
51) 4-Methyl-2-Pentanone	7.57	43	1503	0.45	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	78046	22.53	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	78046	56.50	ug/l #	100
95) Naphthalene	13.77	128	402	1.28	ug/l #	69

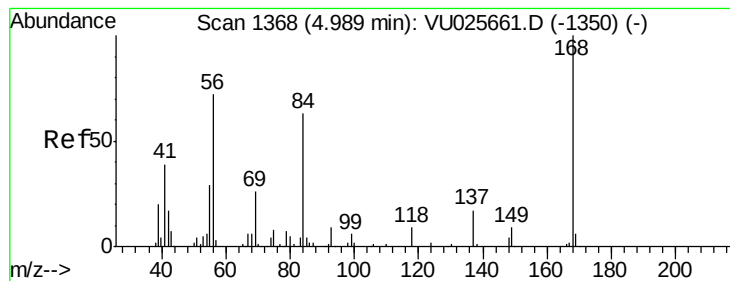
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

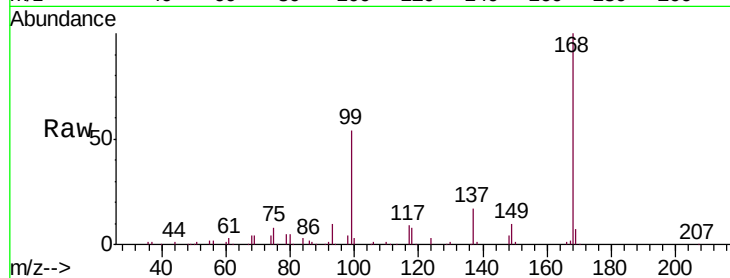
FL-TB-2018-2

Tot Ion:168 Resp: 170672

Ion Ratio Lower Upper

168 100

99 54.2 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) (-)

4.99

80000

60000

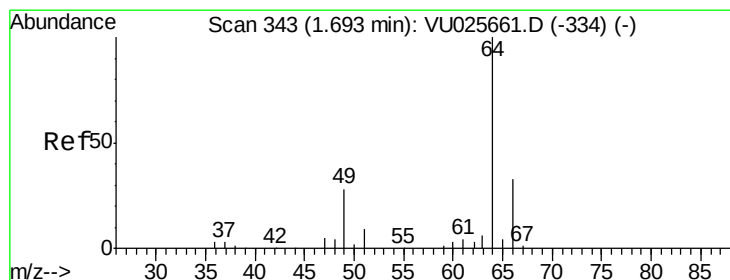
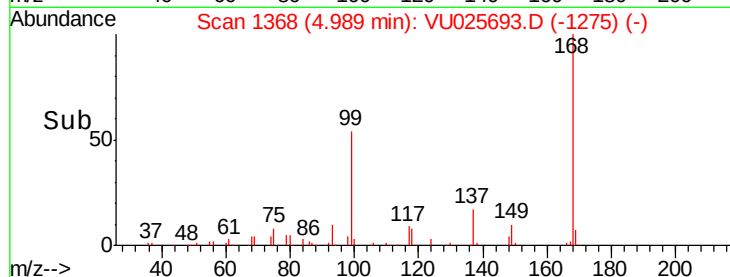
40000

20000

0

4.90 5.00 5.10

Time-->



#6

Chloroethane

Concen: 0.25 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.01 min

Lab File: VU025693.D

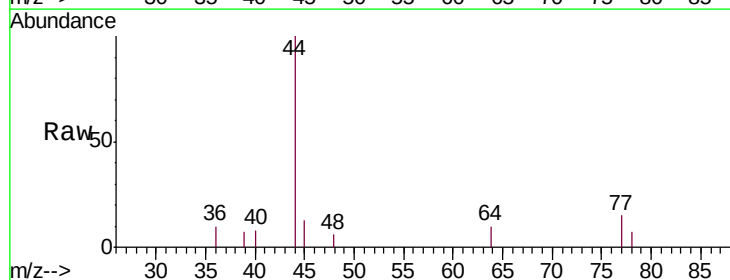
Acq: 28 Jul 2018 01:28

Tgt Ion: 64 Resp: 342

Ion Ratio Lower Upper

64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU025661.D (-334) (-)

Ion 65.90 (65.60 to 66.60): VU025661.D (-334) (-)

1.70

200

150

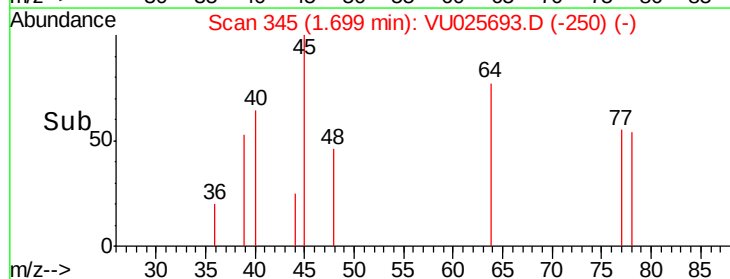
100

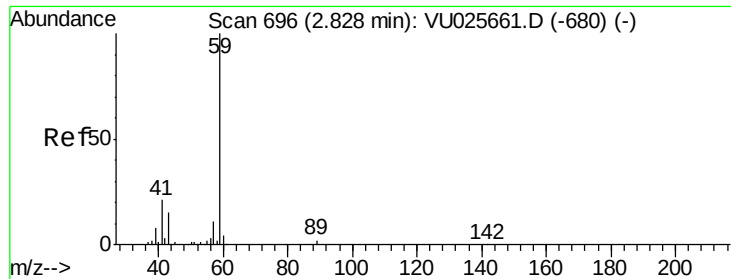
50

0

1.68 1.70 1.72

Time-->



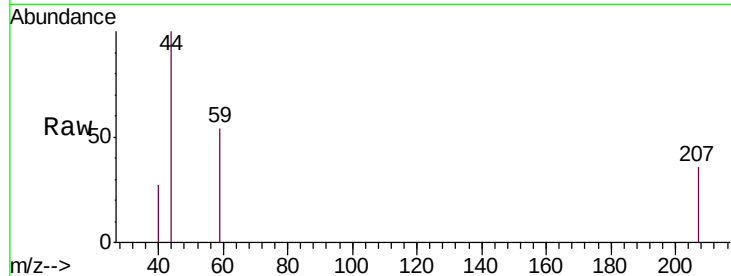


#11

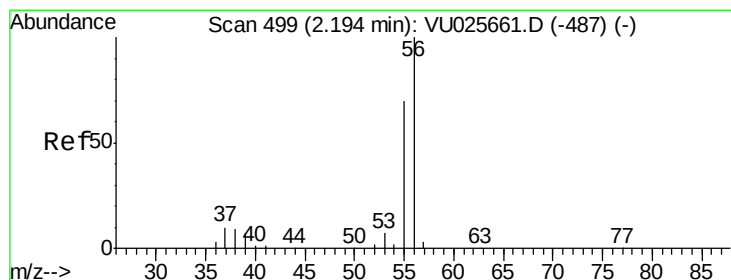
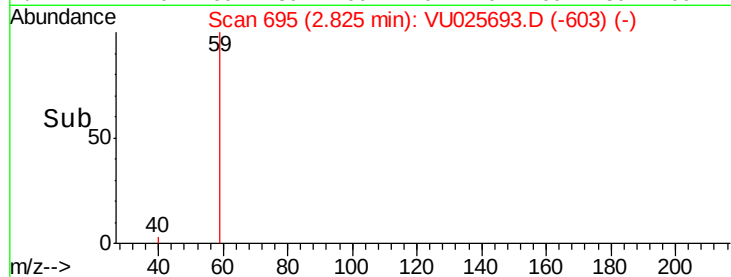
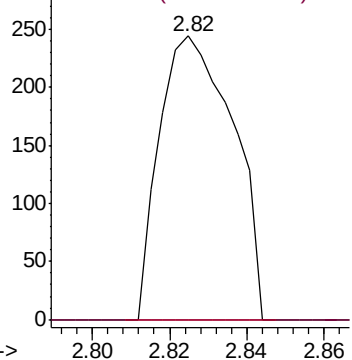
Tert butyl alcohol
 Concen: 0.55 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU025693.D
 Acq: 28 Jul 2018 01:28

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-TB-2018-2

Tot Ion: 59 Resp: 323
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#



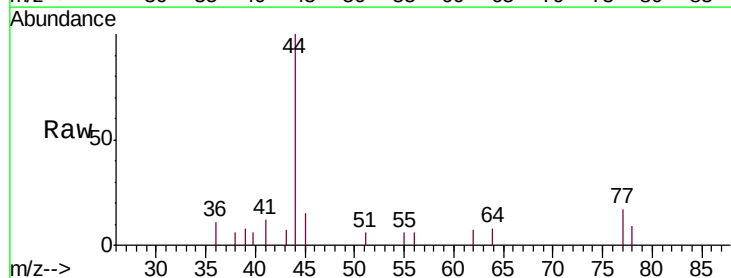
Abundance Ion 59.00 (58.70 to 59.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



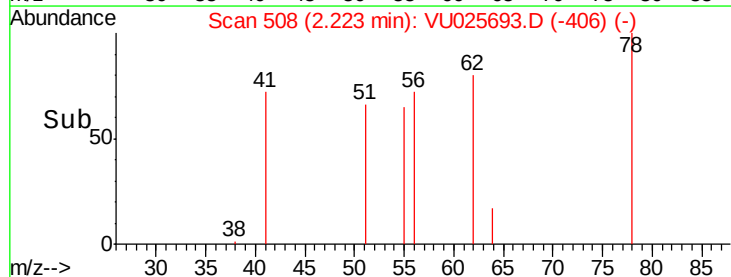
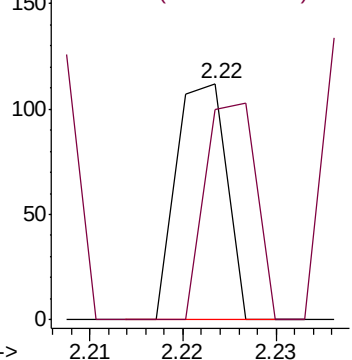
#13

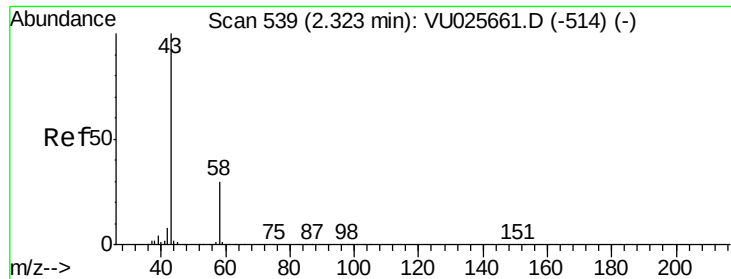
Acrolein
 Concen: Below Cal
 RT: 2.22 min Scan# 508
 Delta R.T. 0.03 min
 Lab File: VU025693.D
 Acq: 28 Jul 2018 01:28

Tgt Ion: 56 Resp: 42
 Ion Ratio Lower Upper
 56 100
 55 92.9 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: 0.86 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

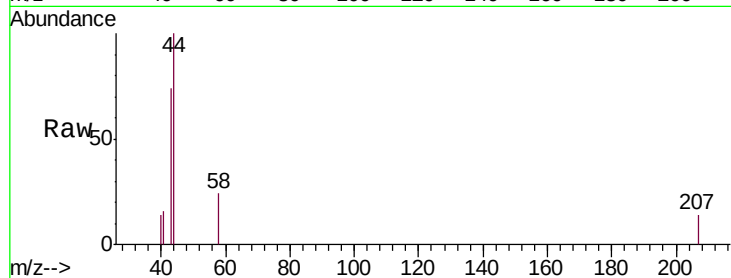
FL-TB-2018-2

Tot Ion: 43 Resp: 1119

Ion Ratio Lower Upper

43 100

58 32.8 23.1 34.7

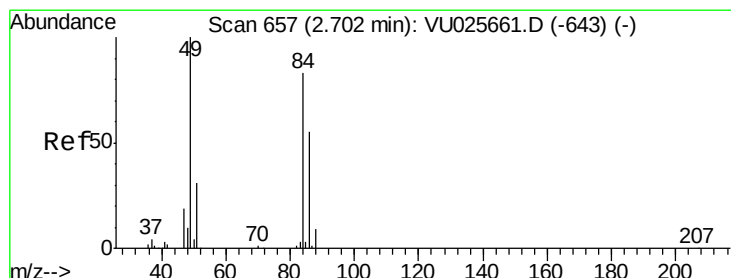
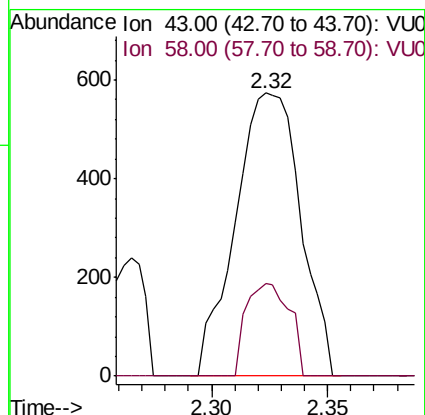
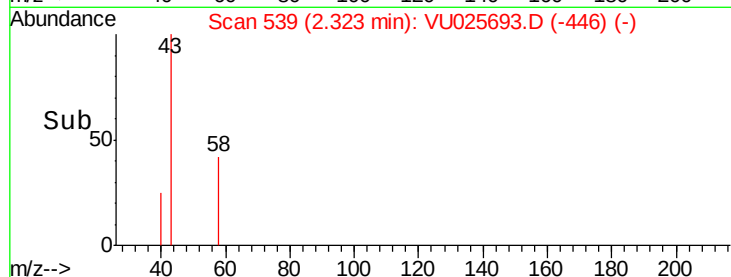


Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-514) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-514) (-)

2.32

2.30 2.35



#20

Methylene Chloride

Concen: 0.45 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Tgt Ion: 84 Resp: 1040

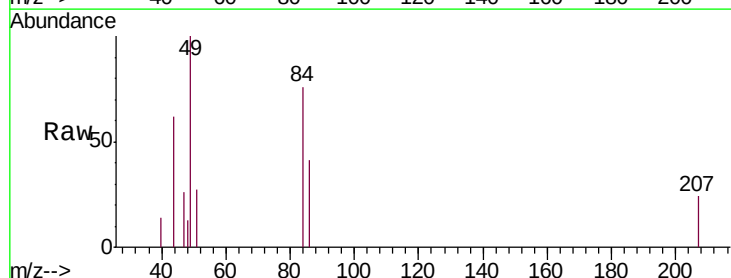
Ion Ratio Lower Upper

84 100

49 131.3 101.8 152.6

51 35.3 30.8 46.2

86 53.7 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VU025661.D (-643) (-)

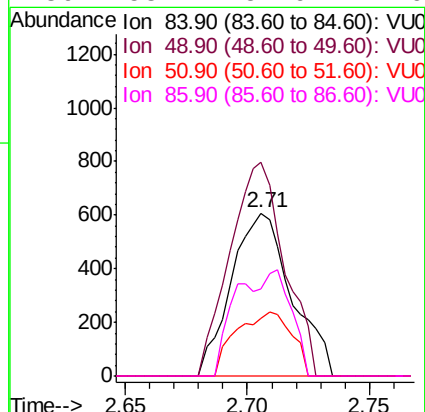
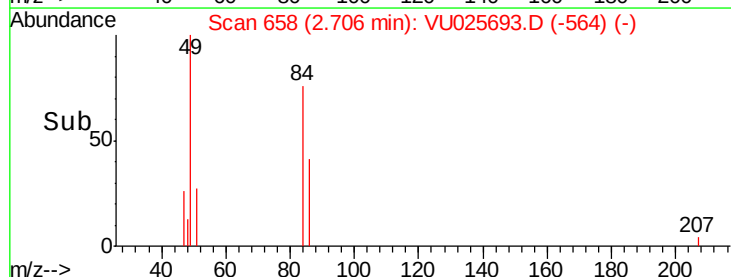
Ion 48.90 (48.60 to 49.60): VU025661.D (-643) (-)

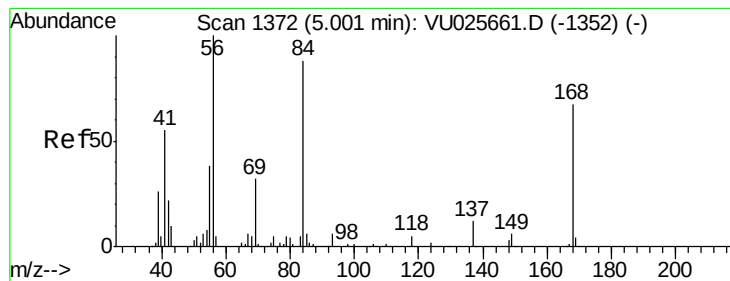
Ion 50.90 (50.60 to 51.60): VU025661.D (-643) (-)

Ion 85.90 (85.60 to 86.60): VU025661.D (-643) (-)

2.71

2.65 2.75





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-2

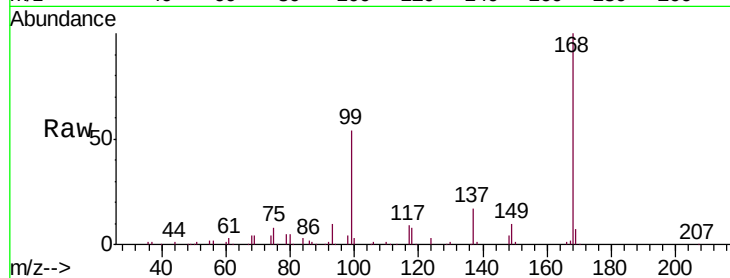
Tot Ion: 56 Resp: 3019

Ion Ratio Lower Upper

56 100

69 227.1 26.8 40.2#

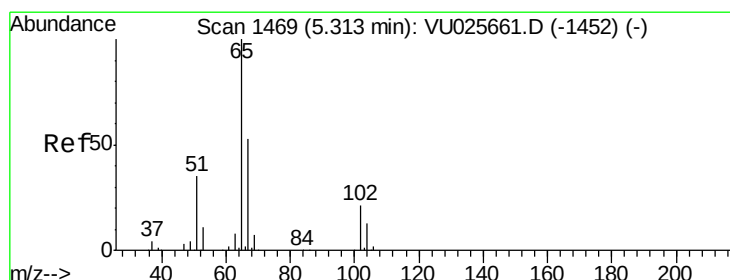
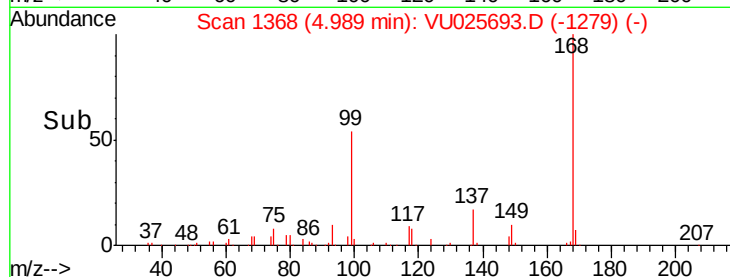
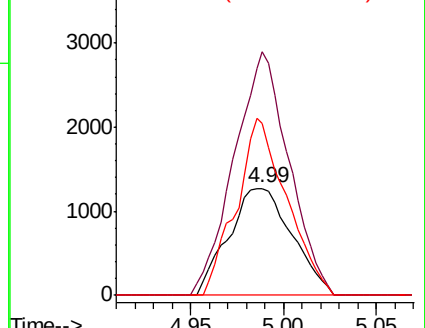
84 159.8 69.7 104.5#



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: 49.37 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU025693.D

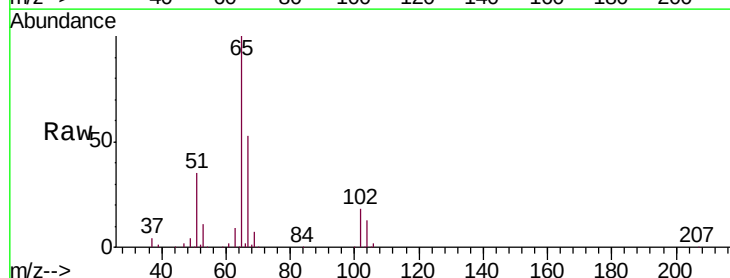
Acq: 28 Jul 2018 01:28

Tgt Ion: 65 Resp: 131279

Ion Ratio Lower Upper

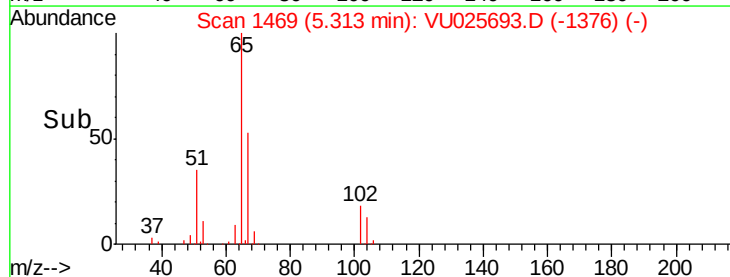
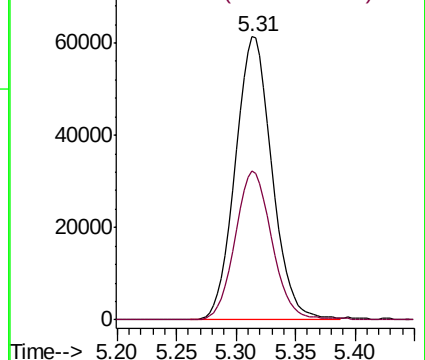
65 100

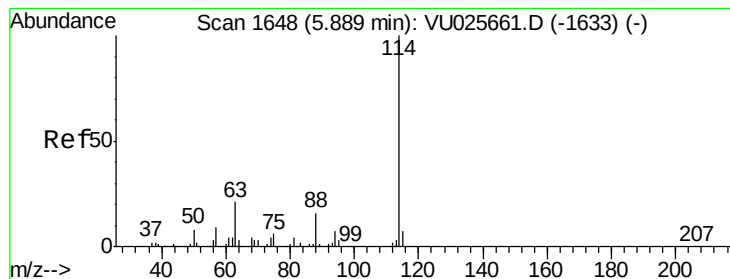
67 52.8 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-2

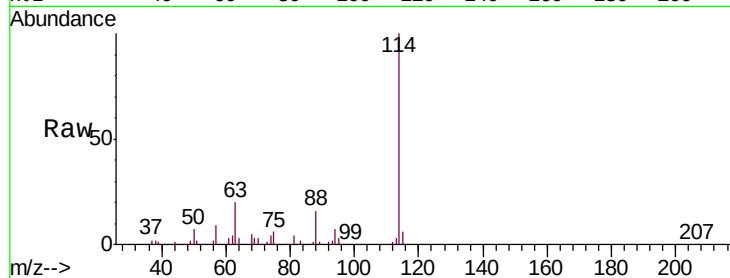
Tot Ion:114 Resp: 266246

Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.6

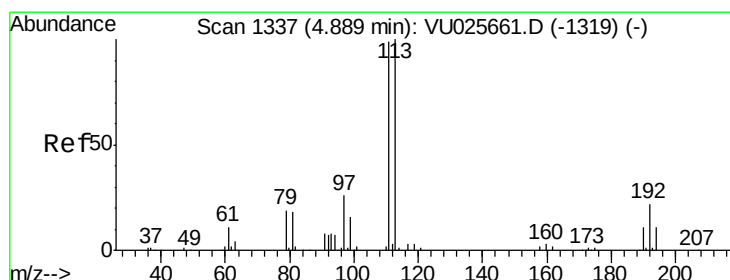
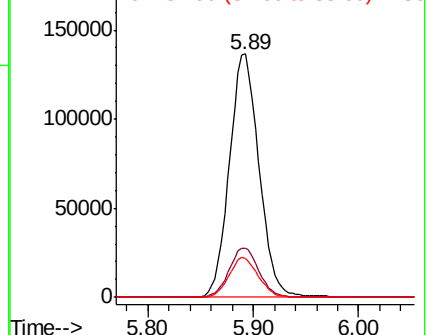
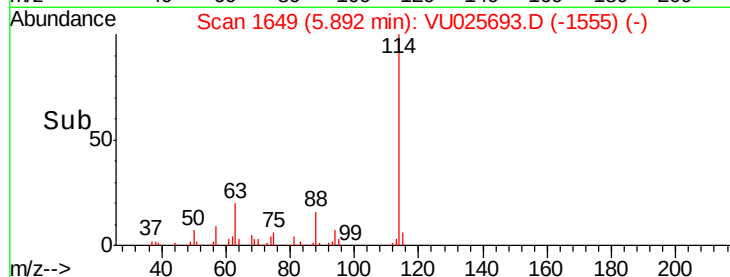
88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 48.55 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

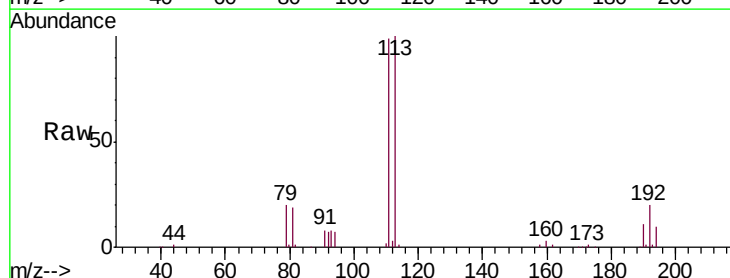
Tgt Ion:113 Resp: 112437

Ion Ratio Lower Upper

113 100

111 100.3 81.7 122.5

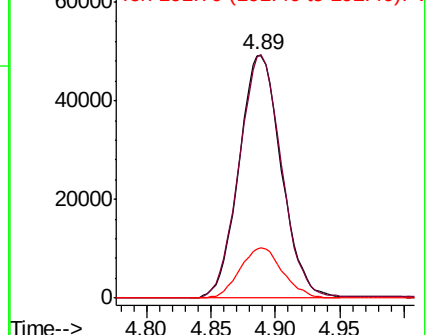
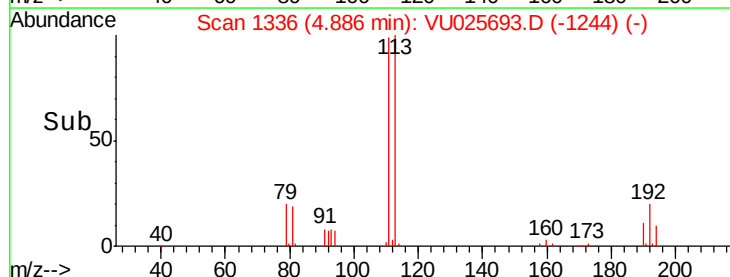
192 21.0 17.1 25.7

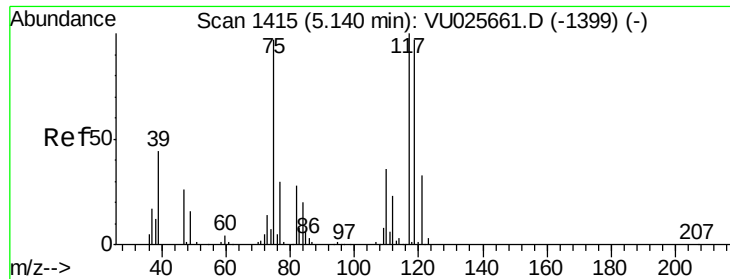


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.98 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-2

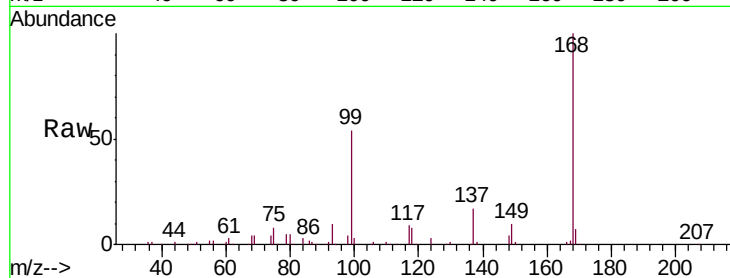
Tot Ion: 75 Resp: 12372

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

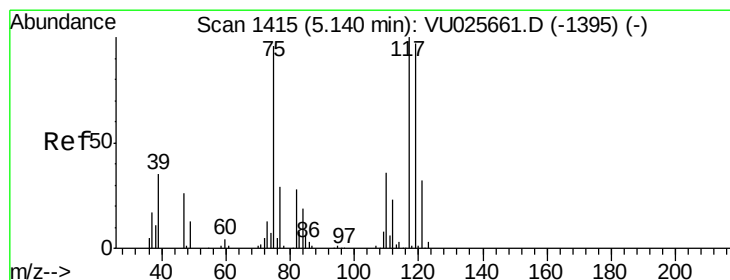
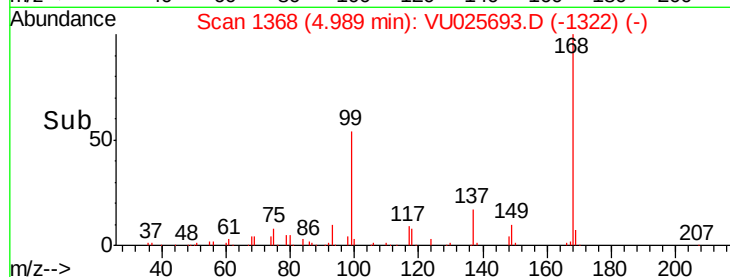
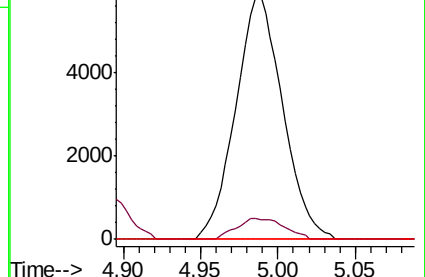
77 0.0 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-1399) (-)

Ion 109.90 (109.60 to 110.60): VU025661.D (-1399) (-)

Ion 76.90 (76.60 to 77.60): VU025661.D (-1399) (-)



#38

Carbon Tetrachloride

Concen: 4.81 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

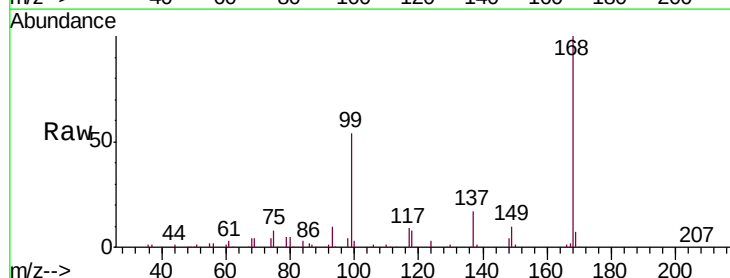
Tgt Ion: 117 Resp: 16969

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

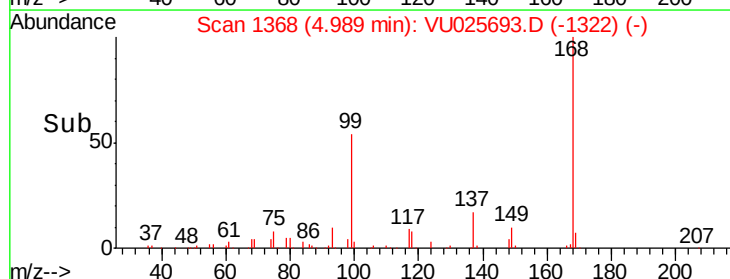
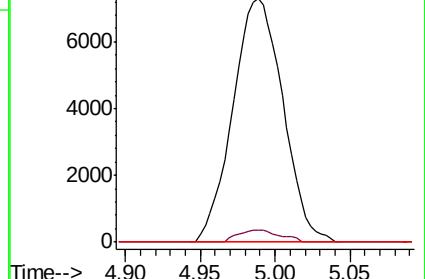
121 0.0 24.6 36.8#

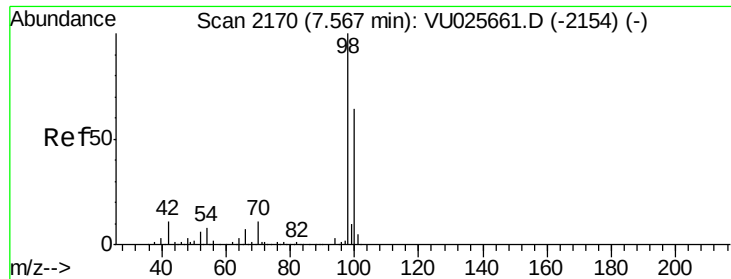


Abundance Ion 116.80 (116.50 to 117.50): VU025661.D (-1395) (-)

Ion 118.80 (118.50 to 119.50): VU025661.D (-1395) (-)

Ion 120.80 (120.50 to 121.50): VU025661.D (-1395) (-)

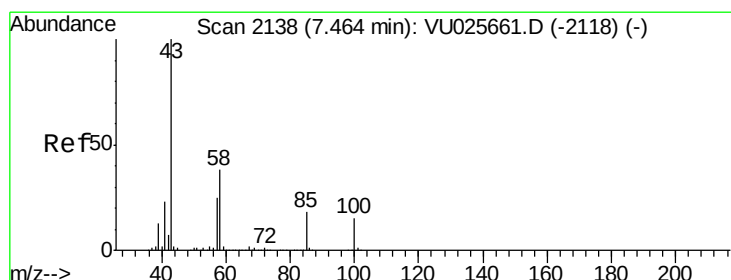
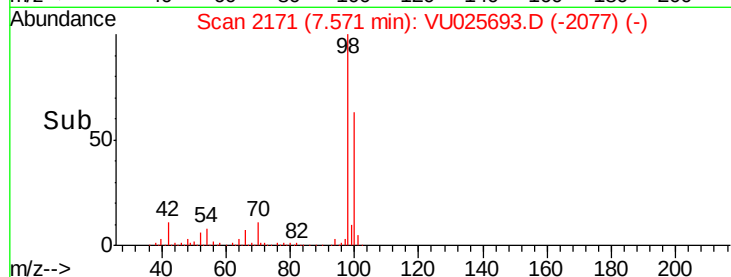
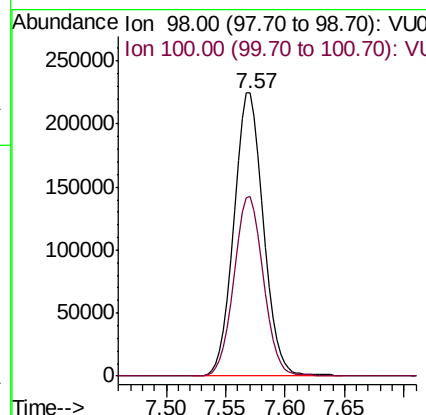
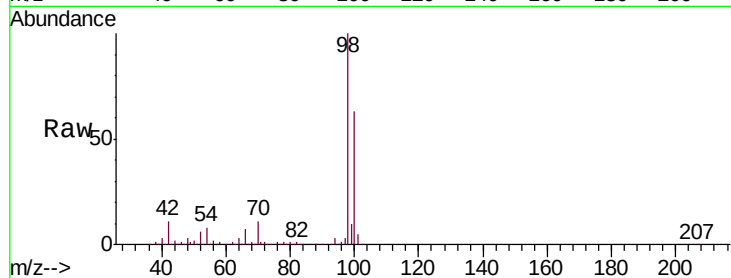




#50
Toluene-d8
Concen: 47.78 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025693.D
Acq: 28 Jul 2018 01:28

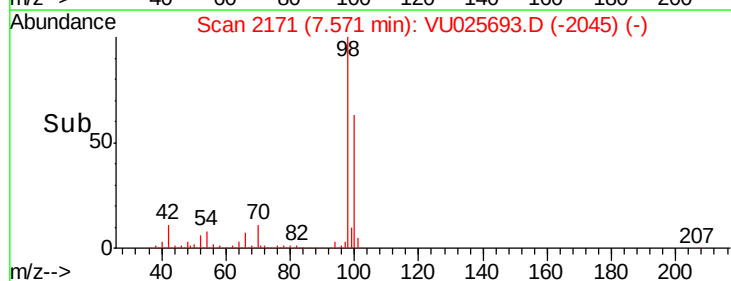
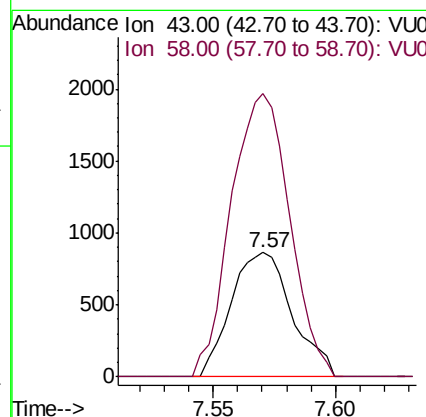
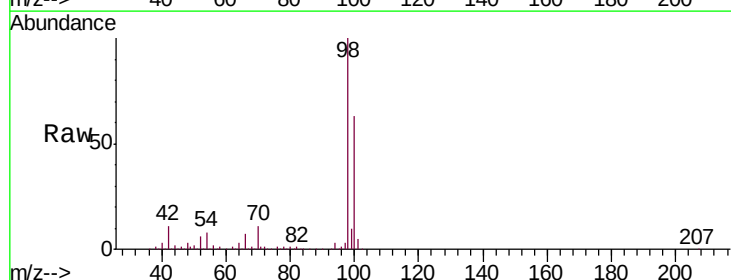
Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-2

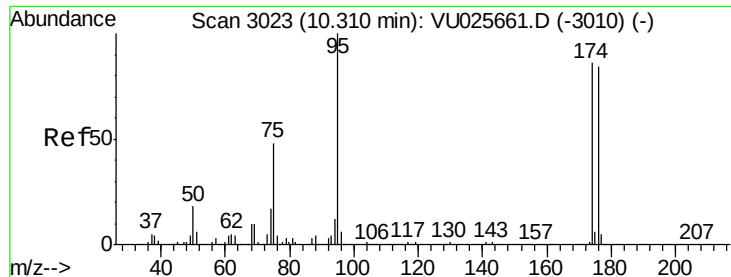
Tot Ion: 98 Resp: 387145
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.11 min
Lab File: VU025693.D
Acq: 28 Jul 2018 01:28

Tgt Ion: 43 Resp: 1503
Ion Ratio Lower Upper
43 100
58 217.9 31.0 46.4#

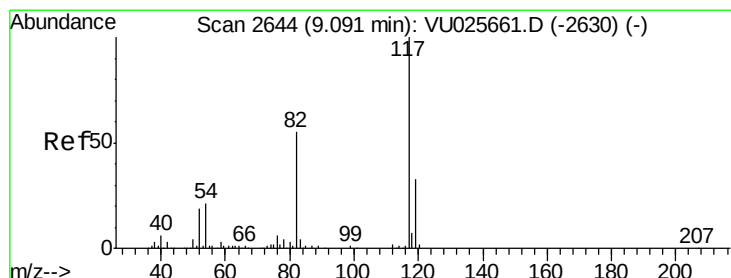
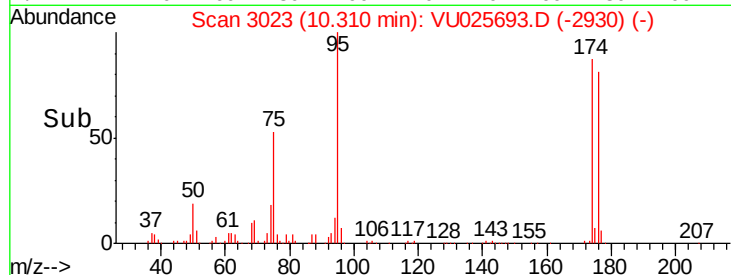
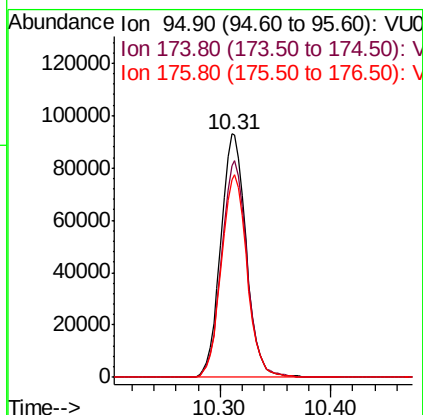
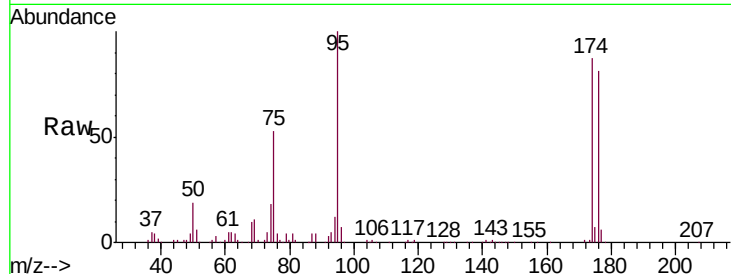




#62
4-Bromofluorobenzene
Concen: 47.24 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025693.D
Acq: 28 Jul 2018 01:28

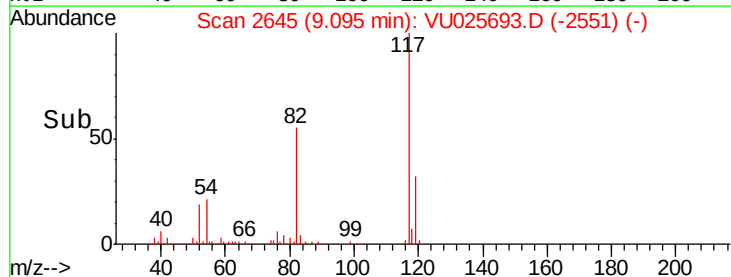
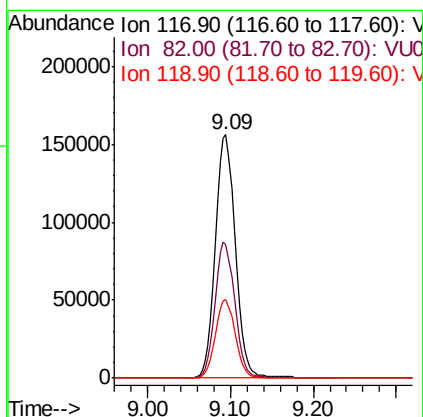
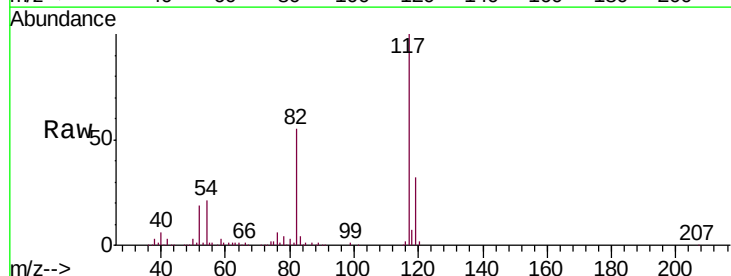
Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-2

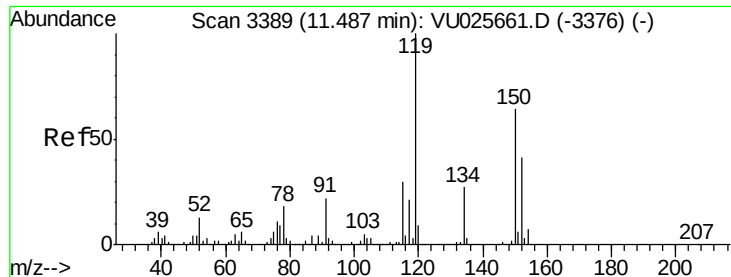
Tot Ion: 95 Resp: 148571
Ion Ratio Lower Upper
95 100
174 89.5 0.0 172.2
176 84.2 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025693.D
Acq: 28 Jul 2018 01:28

Tgt Ion: 117 Resp: 261929
Ion Ratio Lower Upper
117 100
82 54.9 46.0 69.0
119 32.2 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025693.D

Acq: 28 Jul 2018 01:28

Instrument :

MSVOA_U

ClientSampleId :

FL-TB-2018-2

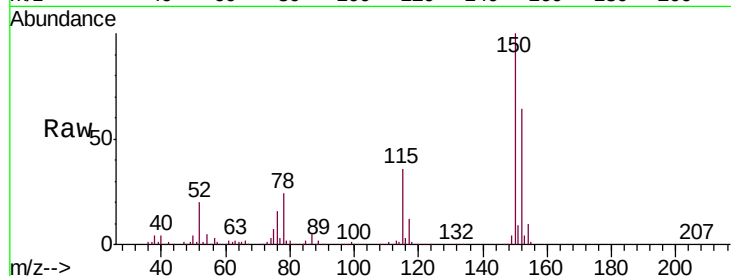
Tot Ion:152 Resp: 157203

Ion Ratio Lower Upper

152 100

115 56.8 40.1 120.3

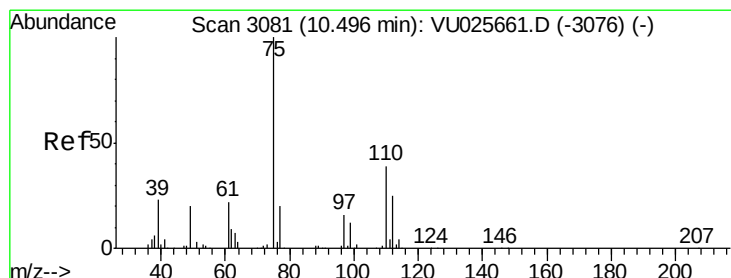
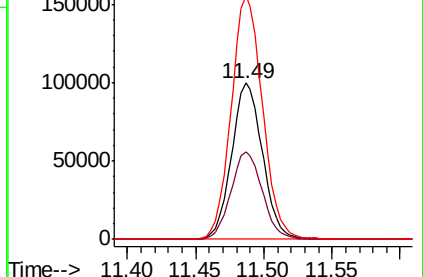
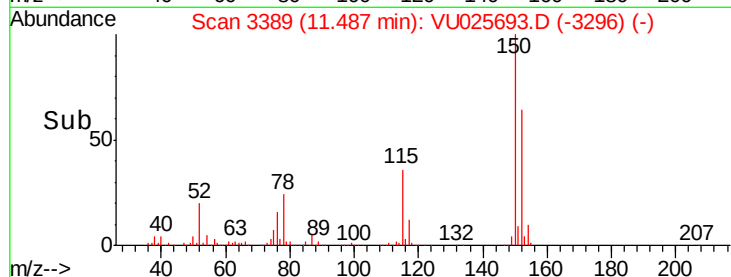
150 157.5 0.0 351.4



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: 22.53 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU025693.D

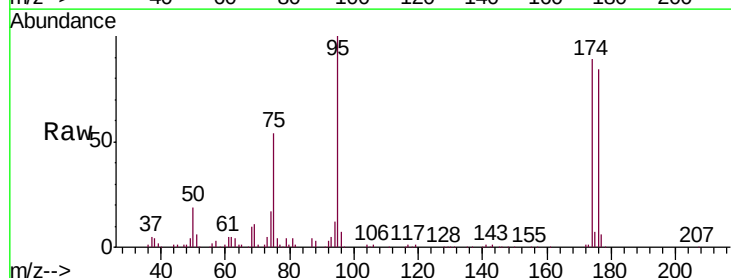
Acq: 28 Jul 2018 01:28

Tgt Ion: 75 Resp: 78046

Ion Ratio Lower Upper

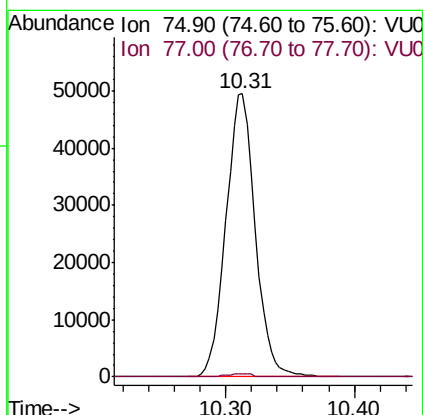
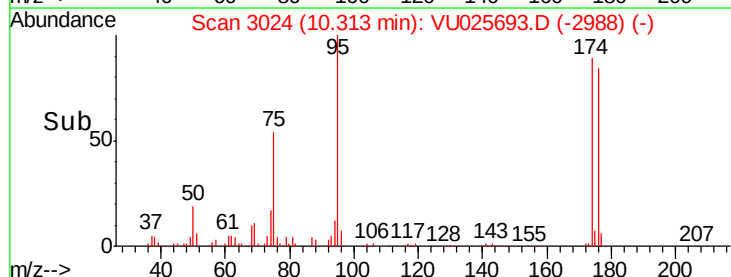
75 100

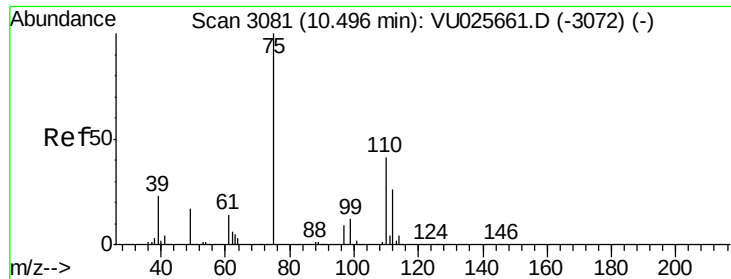
77 1.1 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

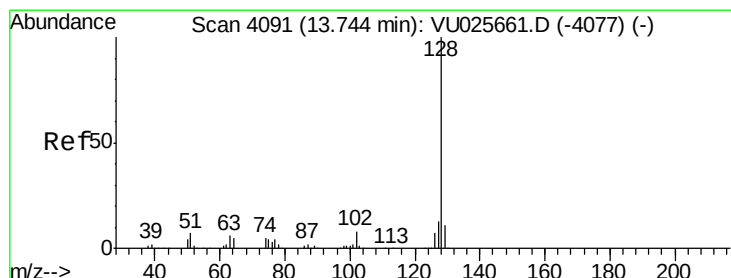
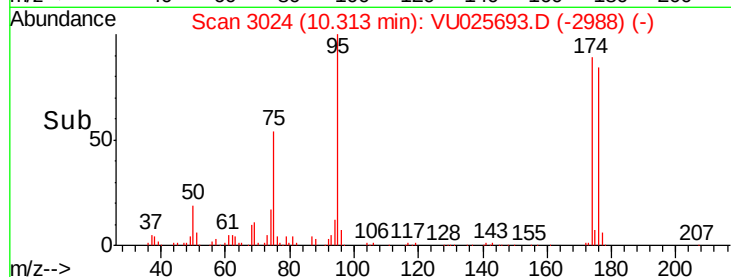
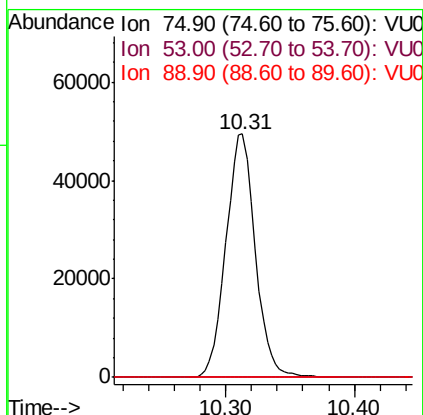
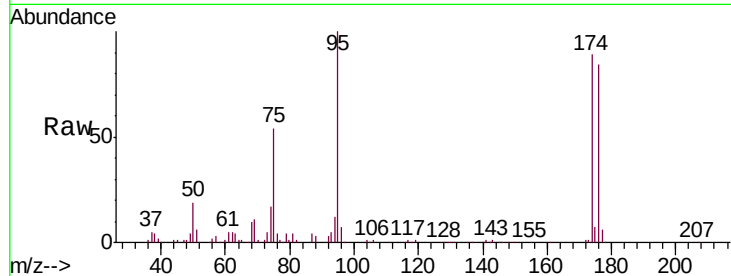




#81
trans-1,4-Dichloro-2-butene
Concen: 56.50 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.18 min
Lab File: VU025693.D
Acq: 28 Jul 2018 01:28

Instrument :
MSVOA_U
ClientSampleId :
FL-TB-2018-2

Tot Ion: 75 Resp: 78046
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#95
Naphthalene
Concen: 1.28 ug/l
RT: 13.77 min Scan# 4099
Delta R.T. 0.03 min
Lab File: VU025693.D
Acq: 28 Jul 2018 01:28

Tgt Ion:128 Resp: 402
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.3 12.5#

