

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025699.D
 Acq On : 28 Jul 2018 03:49
 Operator : MD/SY
 Sample : J4154-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0506

Quant Time: Jul 28 05:32:52 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	173695	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	271062	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	263094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154038	50.00	ug/l	0.00

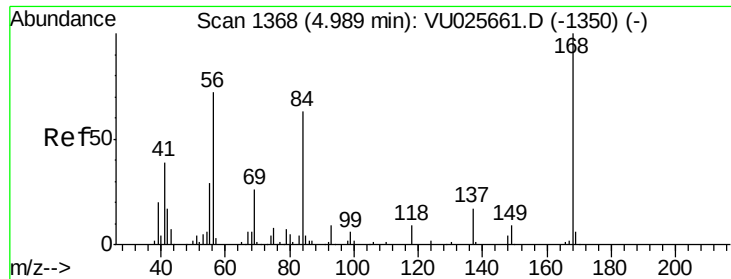
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	134644	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	4.89	113	112409	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
50) Toluene-d8	7.57	98	397586	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
62) 4-Bromofluorobenzene	10.31	95	150752	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.83	59	439	0.74	ug/l	# 73
13) Acrolein	2.31	56	845	1.92	ug/l	93
16) Acetone	2.32	43	5238	3.97	ug/l	92
31) Cyclohexane	4.99	56	4509	Below Cal	#	29
36) 1,1-Dichloropropene	4.99	75	12787	4.04	ug/l	# 49
38) Carbon Tetrachloride	4.99	117	16641	4.64	ug/l	# 17
40) Benzene	5.40	78	84371	9.11	ug/l	98
51) 4-Methyl-2-Pentanone	7.57	43	1521	0.45	ug/l	# 1
67) Ethyl Benzene	9.25	91	28568	2.54	ug/l	97
68) m/p-Xylenes	9.38	106	7062	1.64	ug/l	92
73) Isopropylbenzene	10.17	105	3819	0.36	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	77140	22.73	ug/l	# 36
78) n-propylbenzene	10.59	91	2997	0.24	ug/l	93
79) 2-Chlorotoluene	10.59	91	2997	0.42	ug/l	# 40
81) trans-1,4-Dichloro-2-buten	10.31	75	77140	56.99	ug/l	# 100
84) 1,2,4-Trimethylbenzene	11.15	105	7944	0.88	ug/l	100
95) Naphthalene	13.75	128	2402	1.46	ug/l	# 81

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

Instrument :

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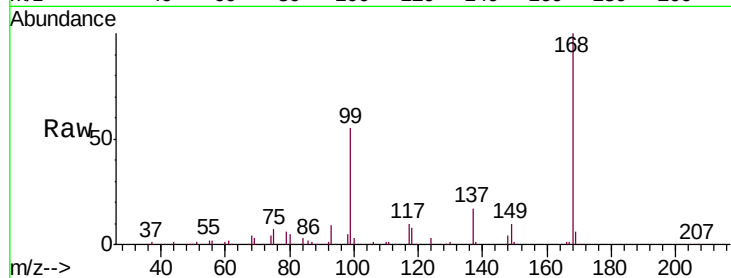
FL-0506

Tot Ion:168 Resp: 173695

Ion Ratio Lower Upper

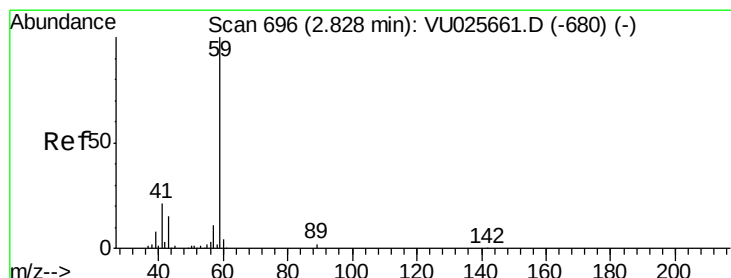
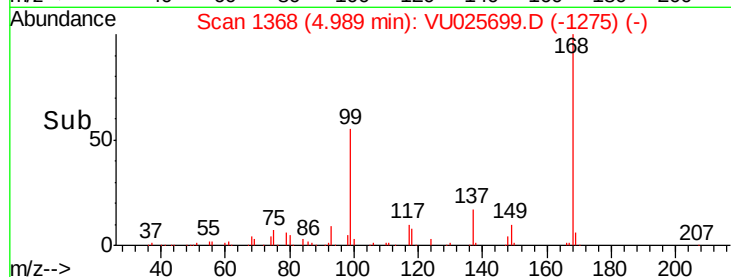
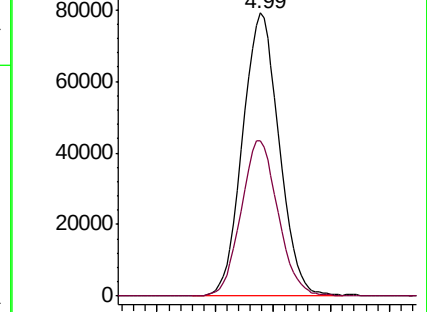
168 100

99 55.0 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) (-)



#11

Tert butyl alcohol

Concen: 0.74 ug/l

RT: 2.83 min Scan# 697

Delta R.T. 0.00 min

Lab File: VU025699.D

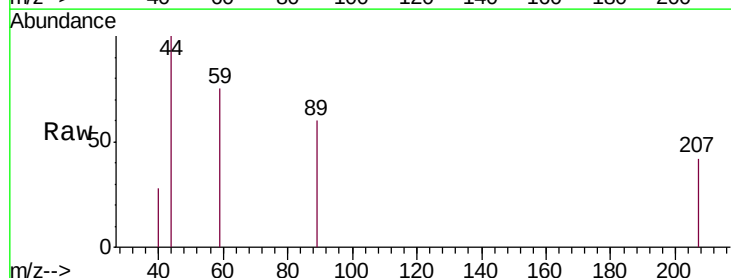
Acq: 28 Jul 2018 03:49

Tgt Ion: 59 Resp: 439

Ion Ratio Lower Upper

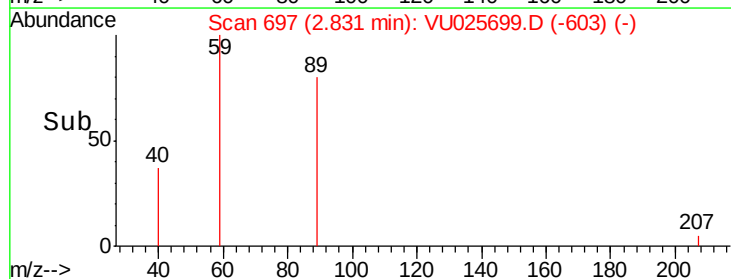
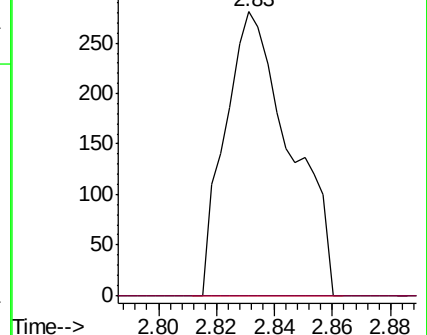
59 100

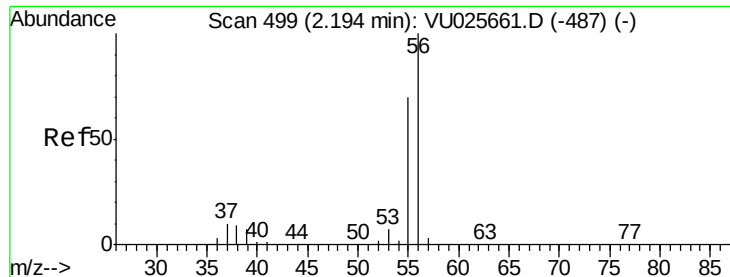
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VU025661.D (-680) (-)

Ion 57.00 (56.70 to 57.70): VU025661.D (-680) (-)





#13

Acrolein

Concen: 1.92 ug/l

RT: 2.31 min Scan# 534

Delta R.T. 0.11 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

Instrument :

MSVOA_U

ClientSampleId :

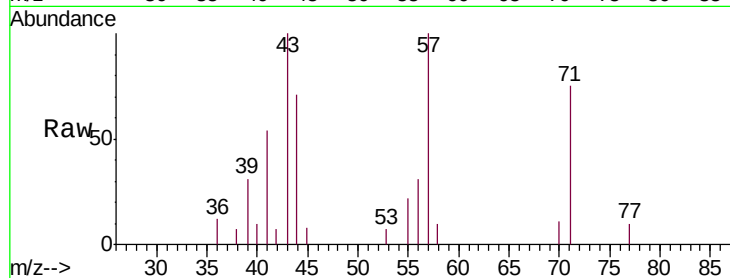
FL-0506

Tot Ion: 56 Resp: 845

Ion Ratio Lower Upper

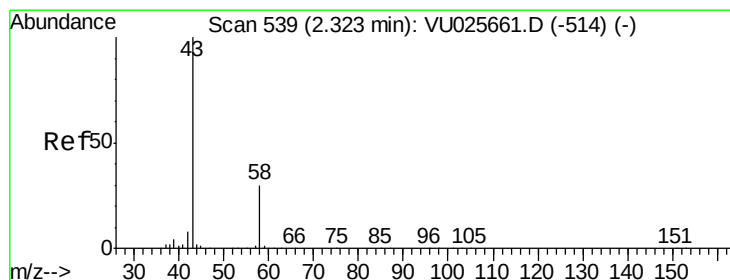
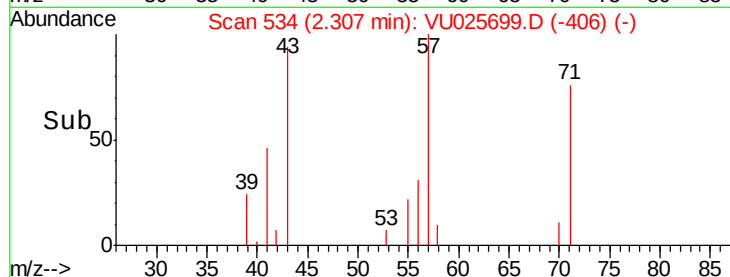
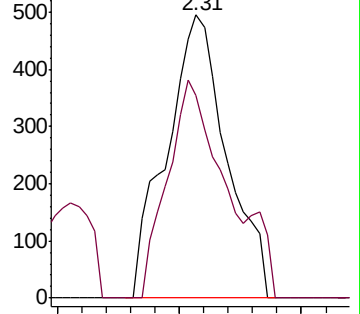
56 100

55 77.3 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: 3.97 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025699.D

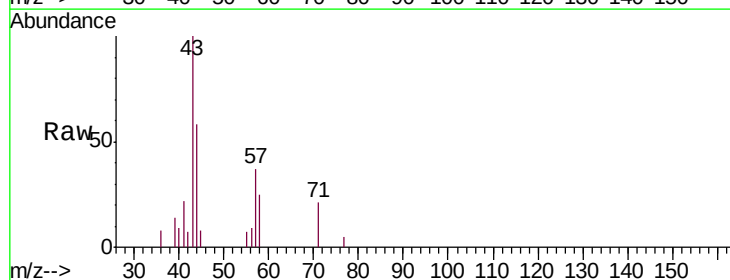
Acq: 28 Jul 2018 03:49

Tgt Ion: 43 Resp: 5238

Ion Ratio Lower Upper

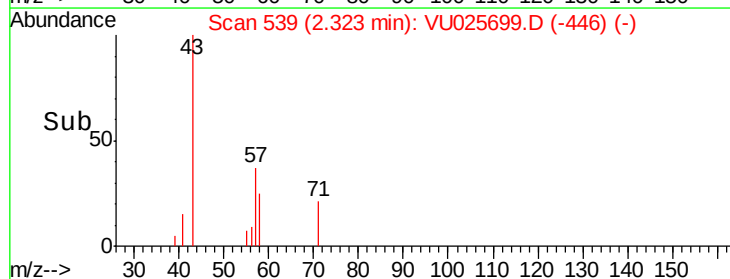
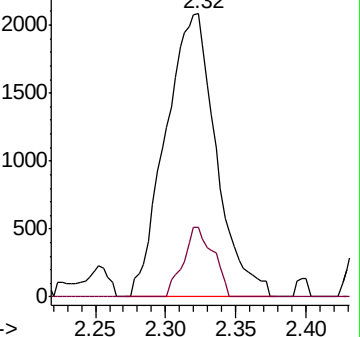
43 100

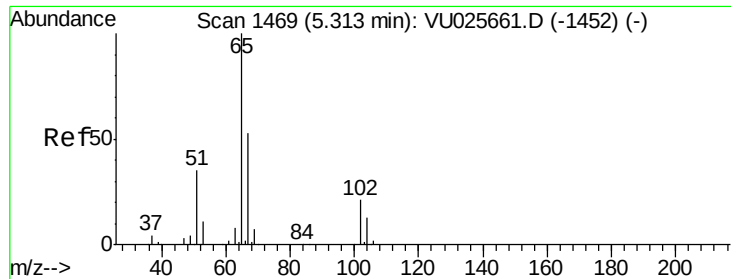
58 24.8 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

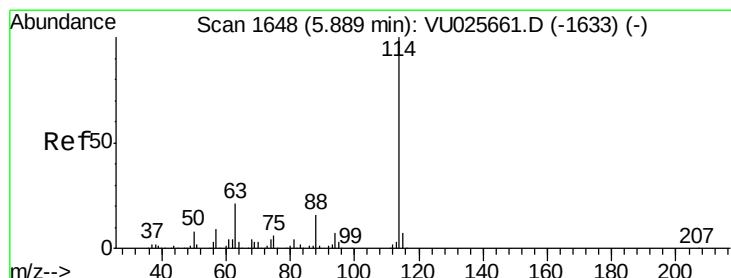
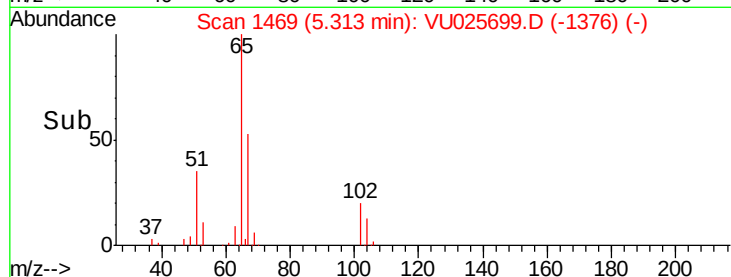
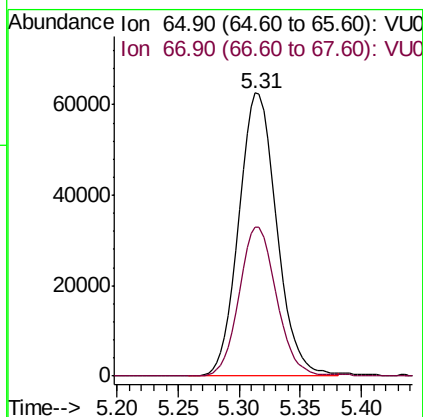
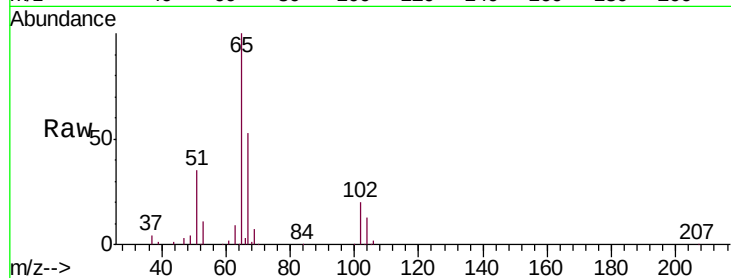




#33
 1,2-Dichloroethane-d4
 Concen: 49.75 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

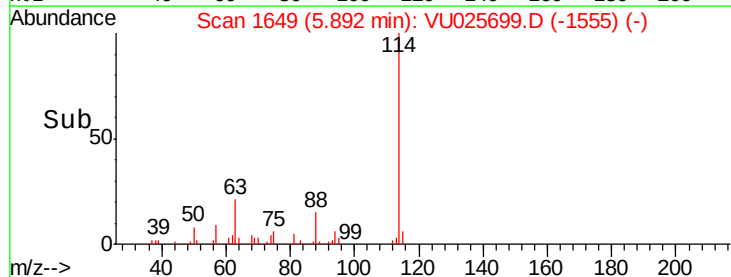
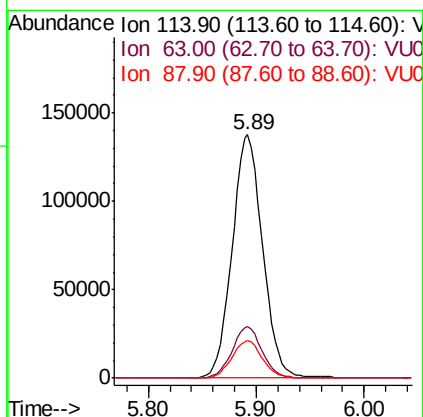
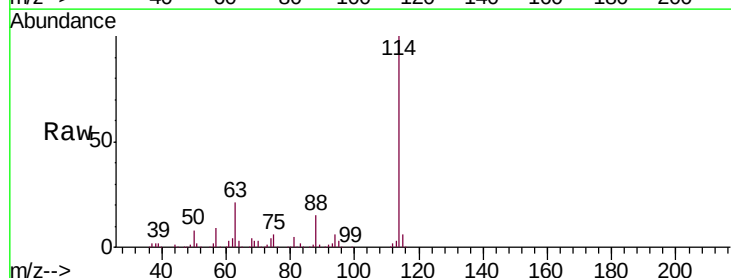
Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0506

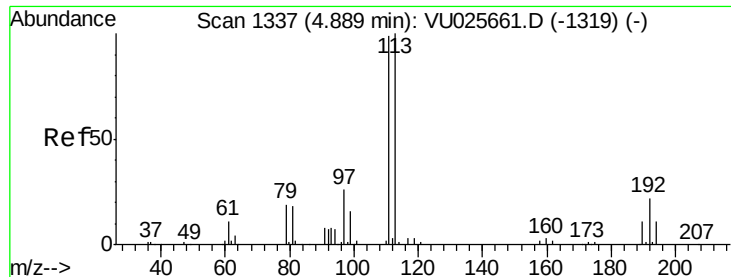
Tot Ion: 65 Resp: 134644
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

Tgt Ion: 114 Resp: 271062
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.6
 88 15.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.68 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

Instrument :

MSVOA_U

ClientSampleId :

FL-0506

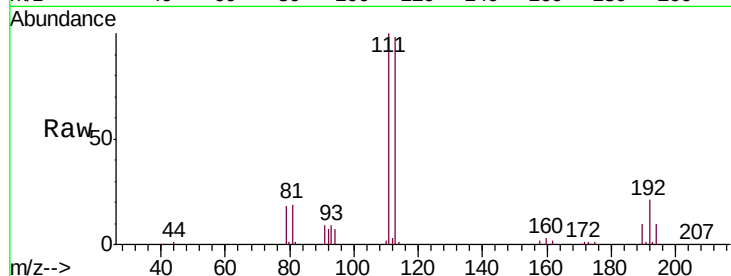
Tot Ion:113 Resp: 112409

Ion Ratio Lower Upper

113 100

111 102.8 81.7 122.5

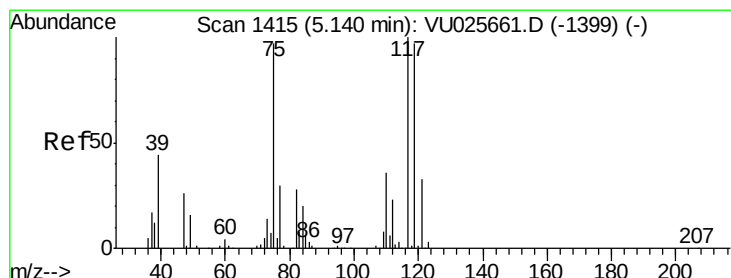
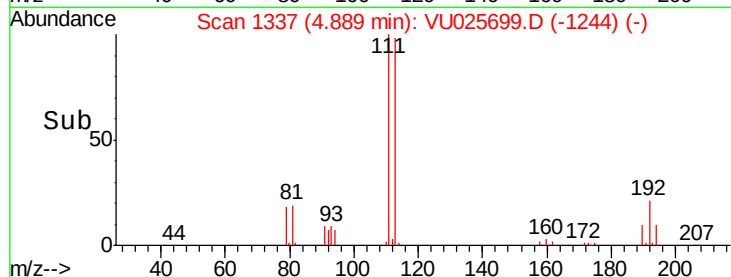
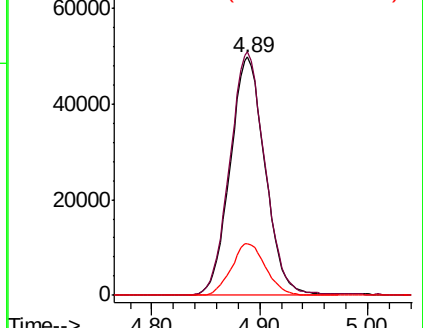
192 21.3 17.1 25.7



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: 4.04 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

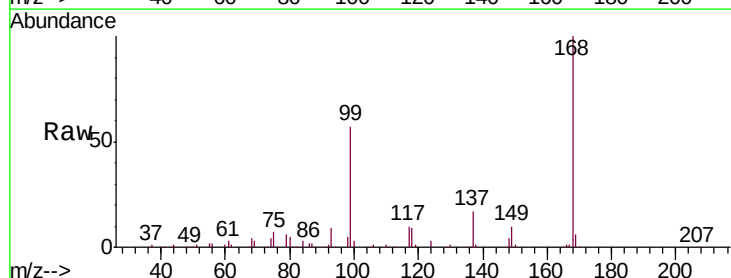
Tgt Ion: 75 Resp: 12787

Ion Ratio Lower Upper

75 100

110 8.2 17.6 52.9#

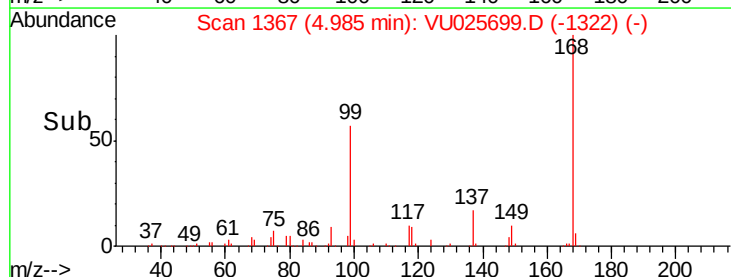
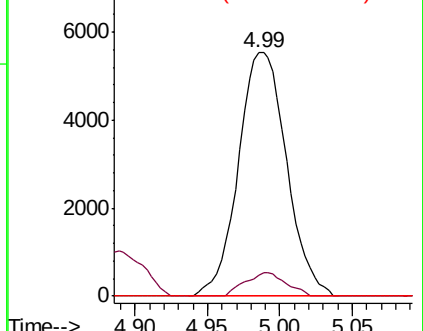
77 0.0 24.4 36.6#

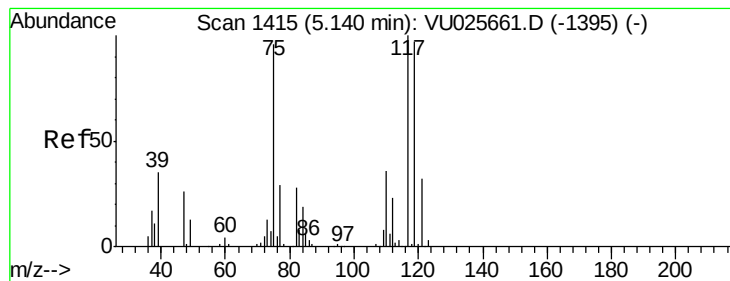


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

Instrument :

MSVOA_U

ClientSampleId :

FL-0506

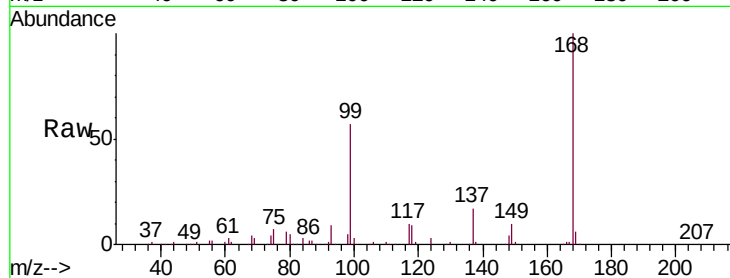
Tot Ion:117 Resp: 16641

Ion Ratio Lower Upper

117 100

119 5.1 75.7 113.5#

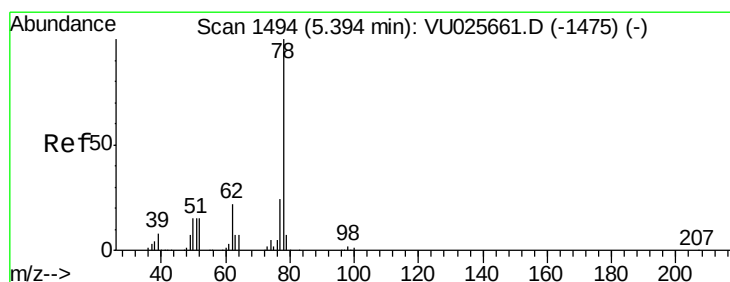
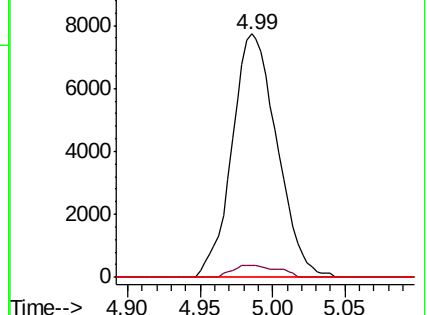
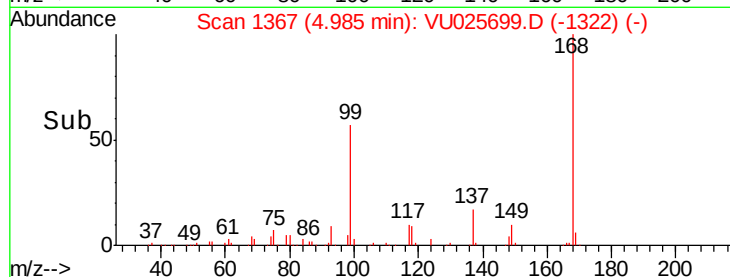
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 9.11 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU025699.D

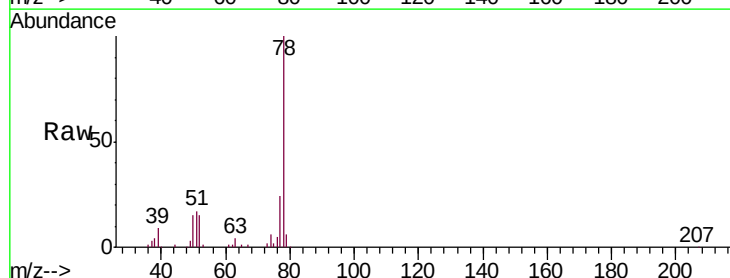
Acq: 28 Jul 2018 03:49

Tgt Ion: 78 Resp: 84371

Ion Ratio Lower Upper

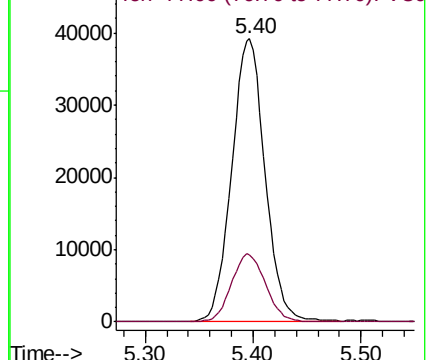
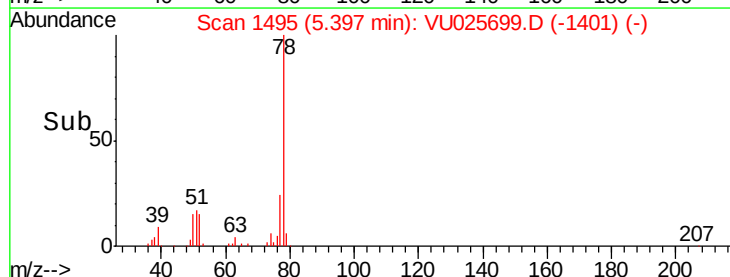
78 100

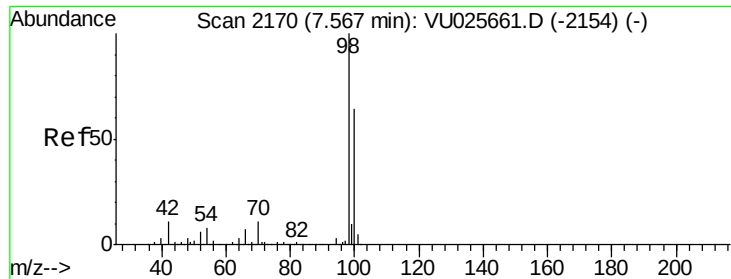
77 23.9 19.8 29.6



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

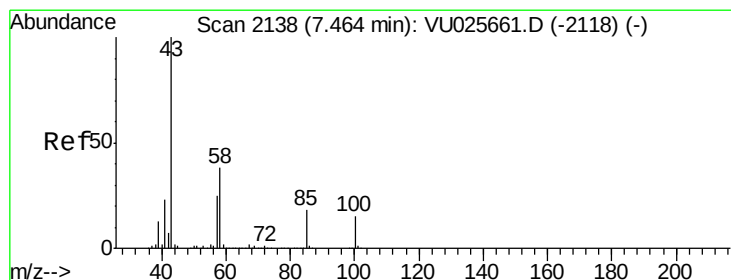
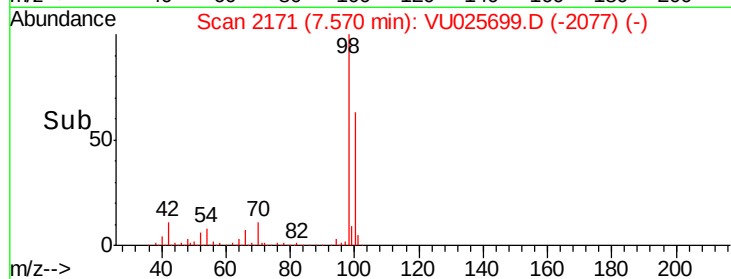
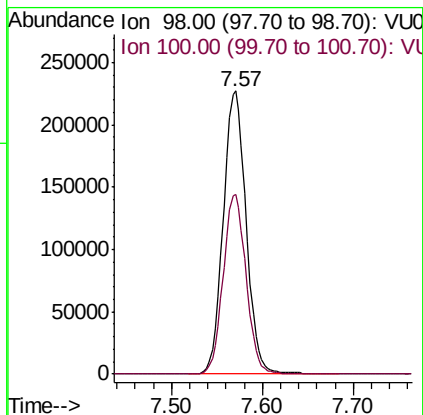
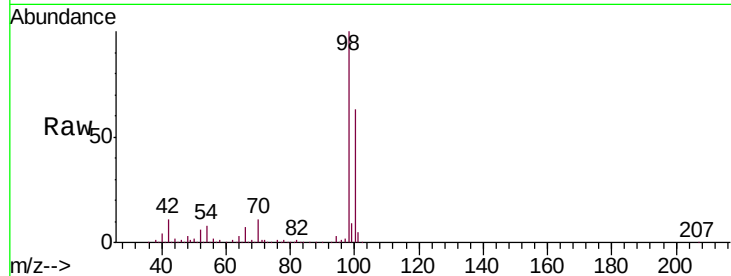




#50
Toluene-d8
Concen: 48.19 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025699.D
Acq: 28 Jul 2018 03:49

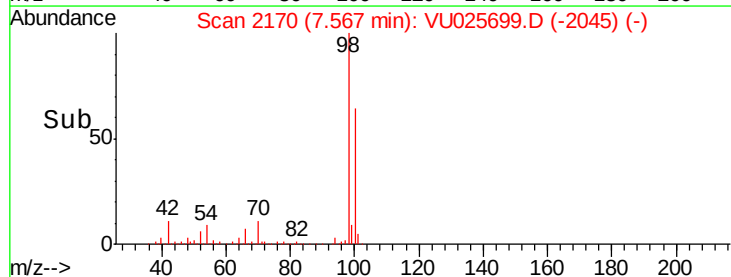
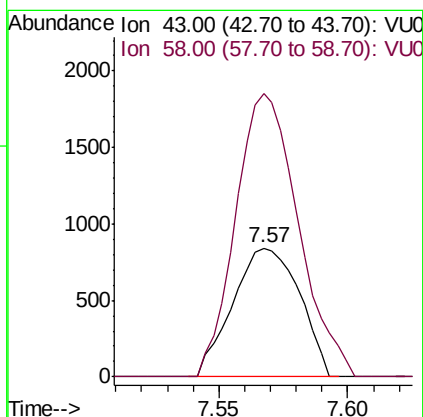
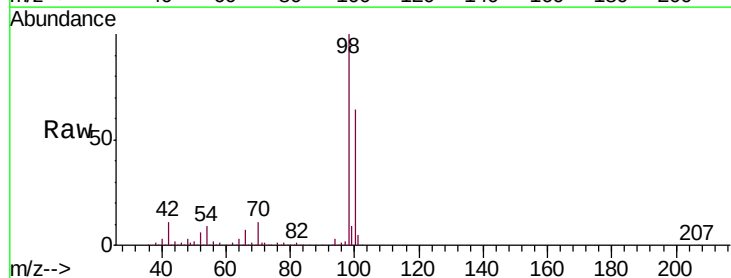
Instrument :
MSVOA_U
ClientSampleId :
FL-0506

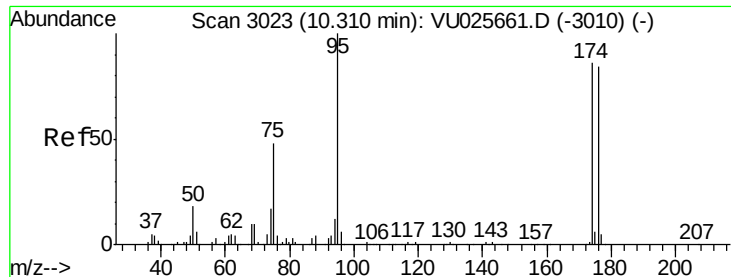
Tot Ion: 98 Resp: 397586
Ion Ratio Lower Upper
98 100
100 63.3 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.10 min
Lab File: VU025699.D
Acq: 28 Jul 2018 03:49

Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 206.2 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 47.08 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

Instrument :

MSVOA_U

ClientSampleId :

FL-0506

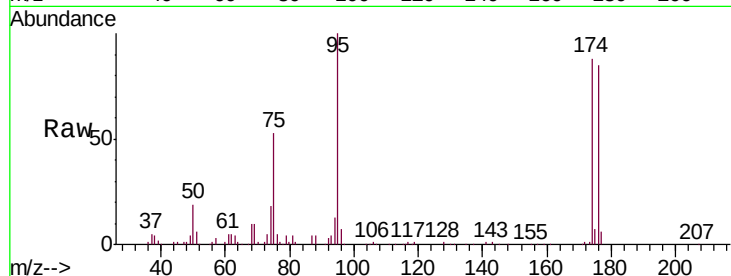
Tot Ion: 95 Resp: 150752

Ion Ratio Lower Upper

95 100

174 87.8 0.0 172.2

176 84.8 0.0 162.6

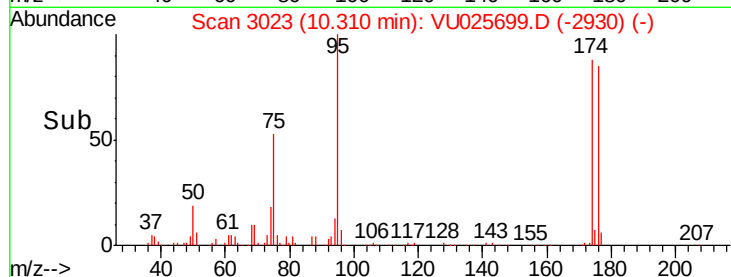


Abundance Ion 94.90 (94.60 to 95.60): VU025661.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025661.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025661.D (-3010) (-)

Time-->

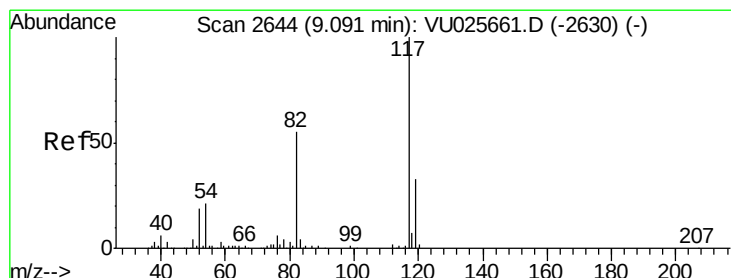


Abundance Ion 94.90 (94.60 to 95.60): VU025699.D (-2930) (-)

Ion 173.80 (173.50 to 174.50): VU025699.D (-2930) (-)

Ion 175.80 (175.50 to 176.50): VU025699.D (-2930) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

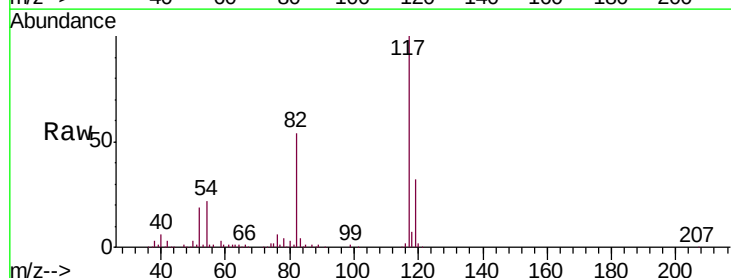
Tgt Ion: 117 Resp: 263094

Ion Ratio Lower Upper

117 100

82 54.0 46.0 69.0

119 32.2 26.0 39.0

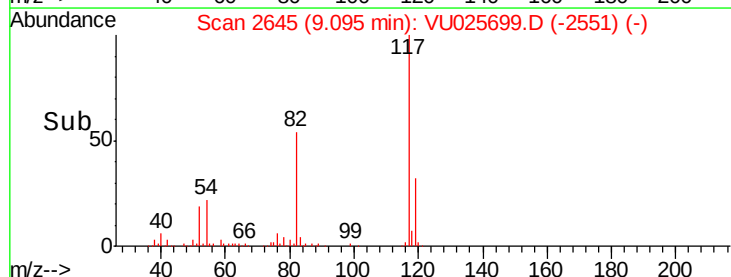


Abundance Ion 116.90 (116.60 to 117.60): VU025661.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU025661.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU025661.D (-2630) (-)

Time-->

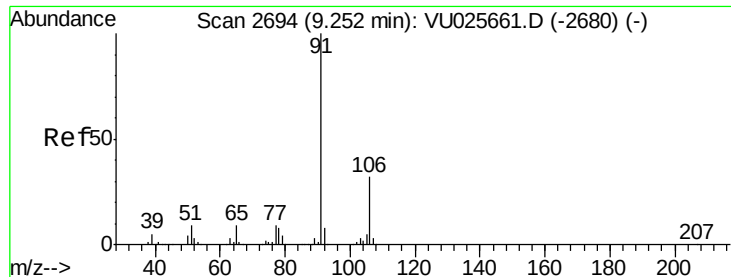


Abundance Ion 116.90 (116.60 to 117.60): VU025699.D (-2551) (-)

Ion 82.00 (81.70 to 82.70): VU025699.D (-2551) (-)

Ion 118.90 (118.60 to 119.60): VU025699.D (-2551) (-)

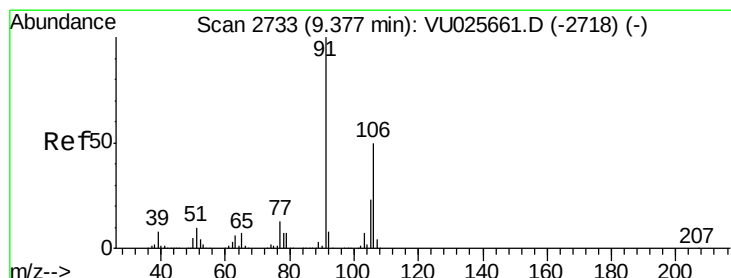
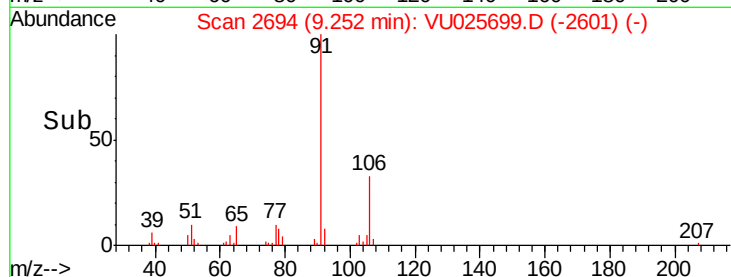
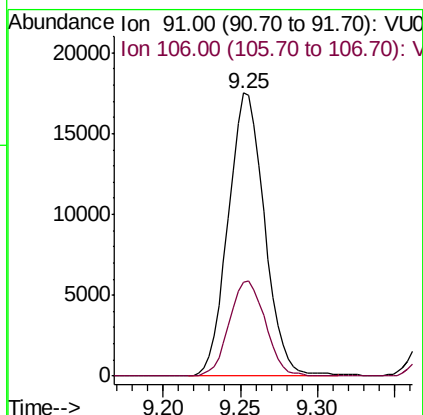
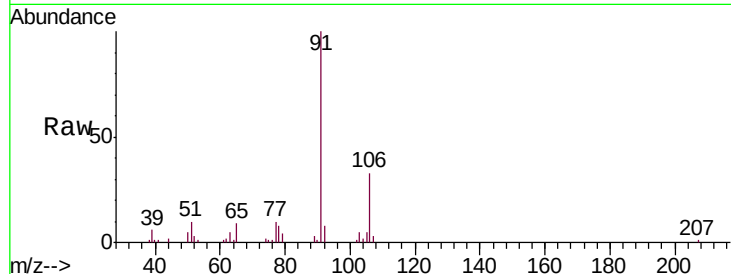
Time-->



#67
Ethyl Benzene
Concen: 2.54 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025699.D
Acq: 28 Jul 2018 03:49

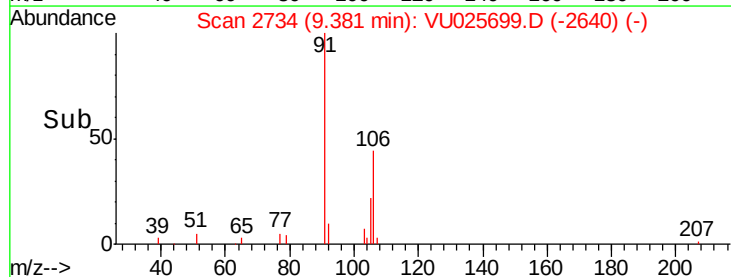
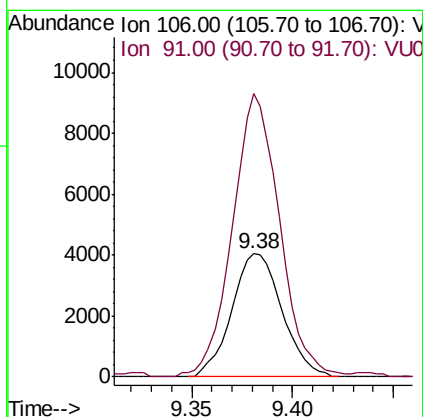
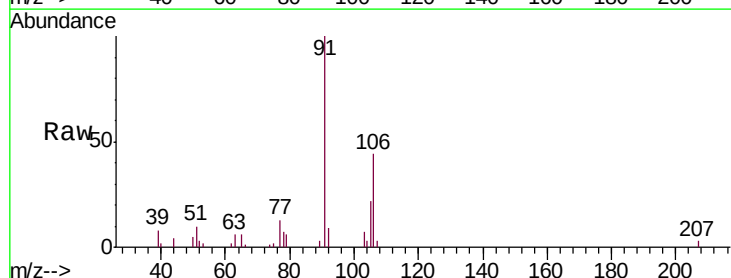
Instrument :
MSVOA_U
ClientSampleId :
FL-0506

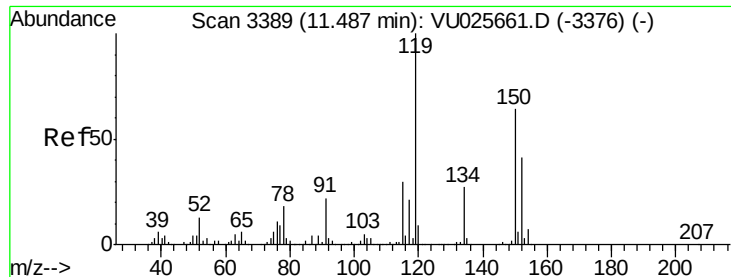
Tot Ion: 91 Resp: 28568
Ion Ratio Lower Upper
91 100
106 33.4 25.3 37.9



#68
m/p-Xylenes
Concen: 1.64 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025699.D
Acq: 28 Jul 2018 03:49

Tgt Ion: 106 Resp: 7062
Ion Ratio Lower Upper
106 100
91 215.7 162.3 243.5

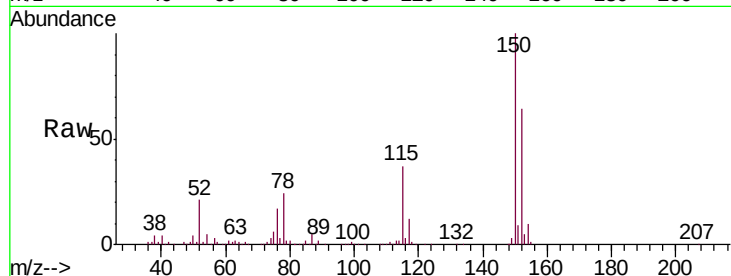




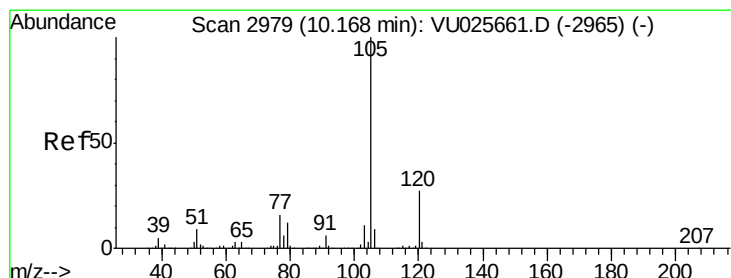
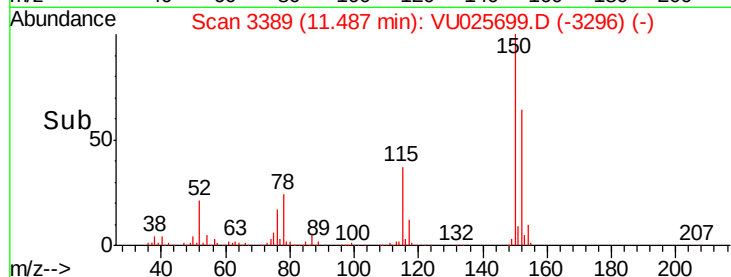
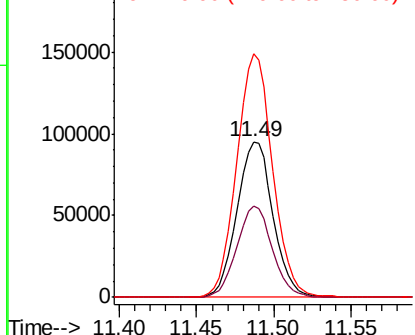
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0506

Tot Ion:152 Resp: 154038
 Ion Ratio Lower Upper
 152 100
 115 57.7 40.1 120.3
 150 155.9 0.0 351.4

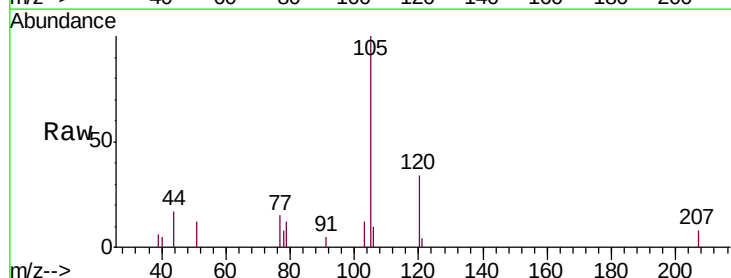


Abundance Ion 151.90 (151.60 to 152.60): V
 200000 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

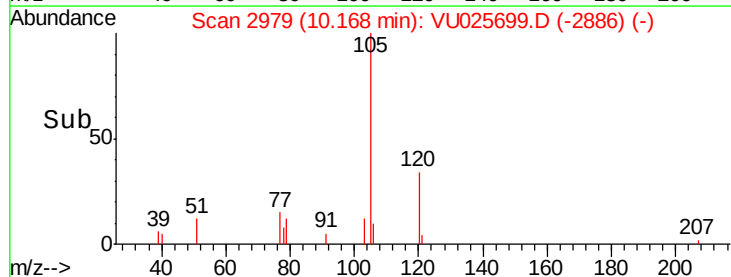
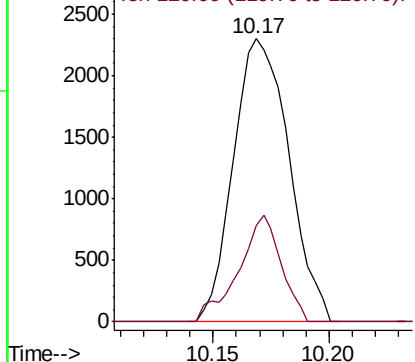


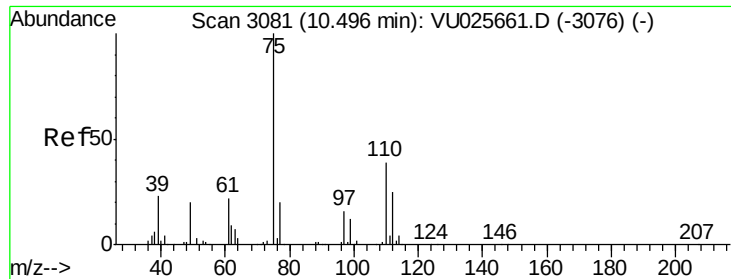
#73
 Isopropylbenzene
 Concen: 0.36 ug/l
 RT: 10.17 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

Tgt Ion:105 Resp: 3819
 Ion Ratio Lower Upper
 105 100
 120 28.9 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

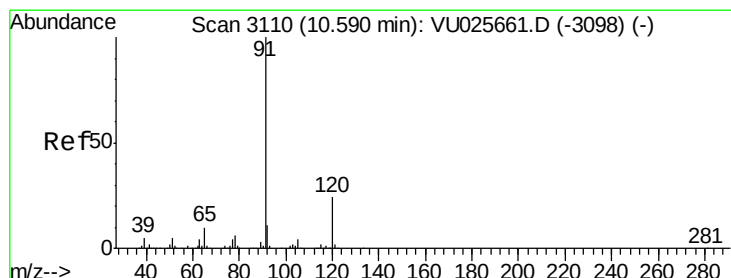
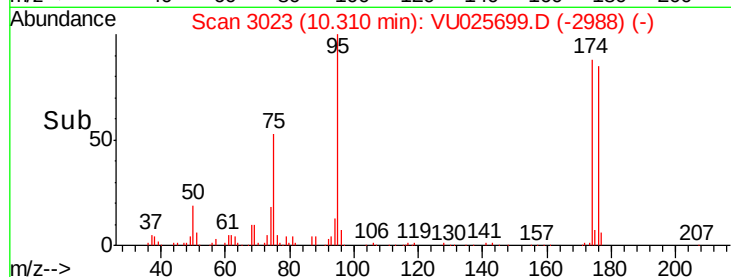
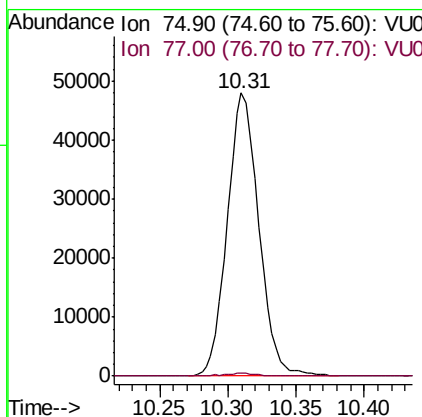
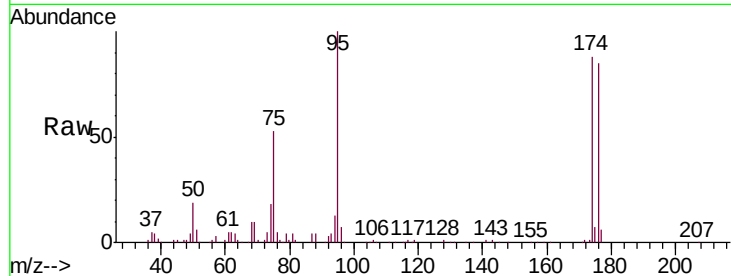




#76
 1,2,3-Trichloropropane
 Concen: 22.73 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

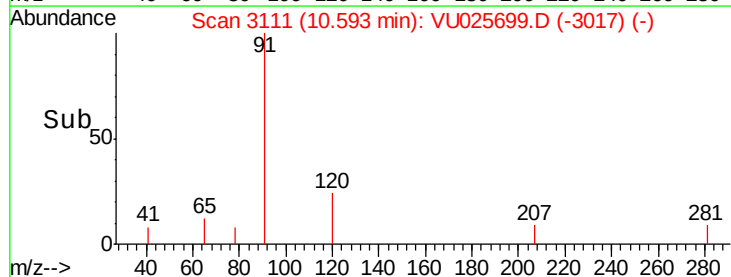
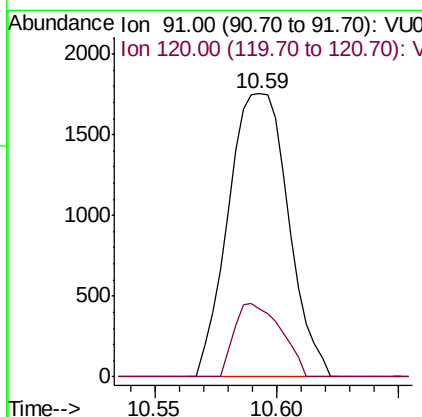
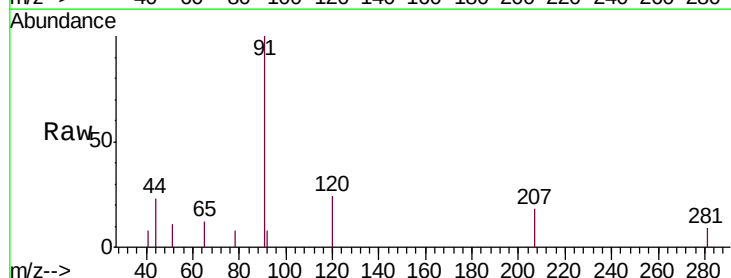
Instrument :
 MSVOA_U
 ClientSampled :
 FL-0506

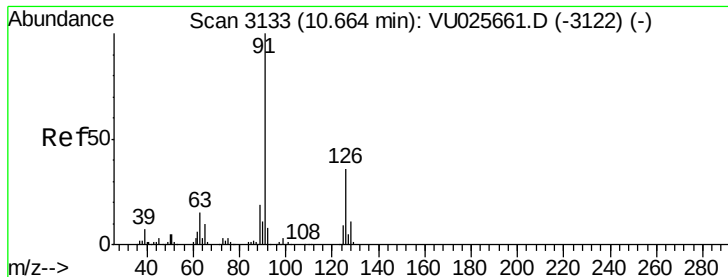
Tot Ion: 75 Resp: 77140
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.4 61.3#



#78
 n-propylbenzene
 Concen: 0.24 ug/l
 RT: 10.59 min Scan# 3111
 Delta R.T. 0.00 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

Tgt Ion: 91 Resp: 2997
 Ion Ratio Lower Upper
 91 100
 120 20.3 11.8 35.3





#79

2-Chlorotoluene

Concen: 0.42 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. -0.07 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

Instrument :

MSVOA_U

ClientSampleId :

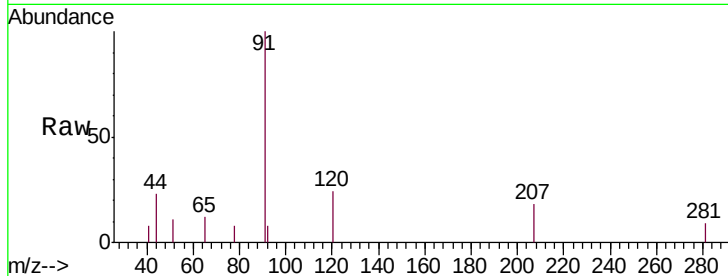
FL-0506

Tot Ion: 91 Resp: 2997

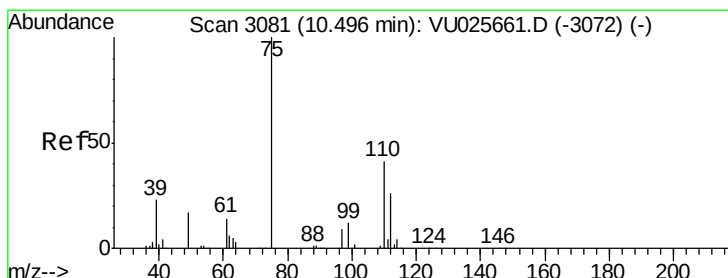
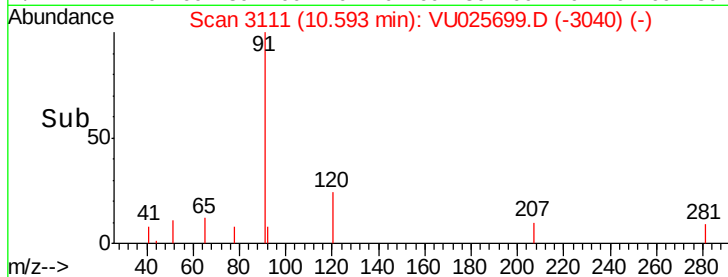
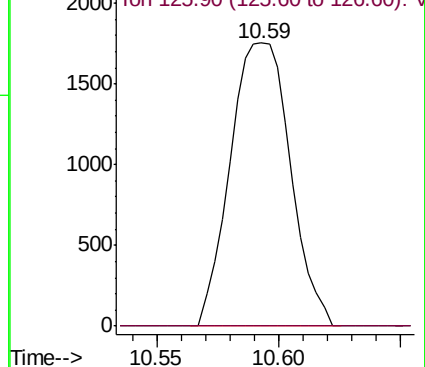
Ion Ratio Lower Upper

91 100

126 0.0 17.5 52.6#



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3122) (-)



#81

trans-1,4-Dichloro-2-butene

Concen: 56.99 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025699.D

Acq: 28 Jul 2018 03:49

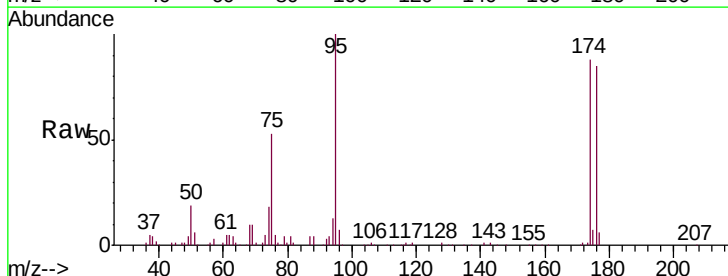
Tgt Ion: 75 Resp: 77140

Ion Ratio Lower Upper

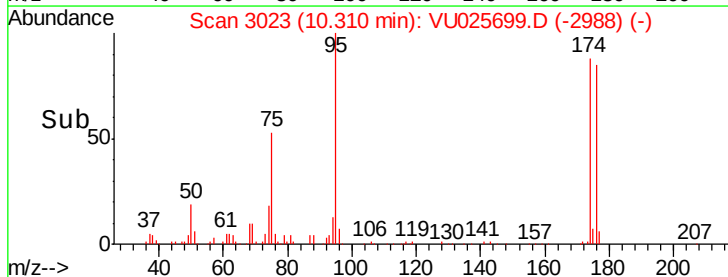
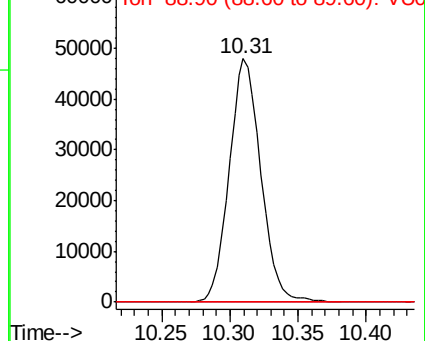
75 100

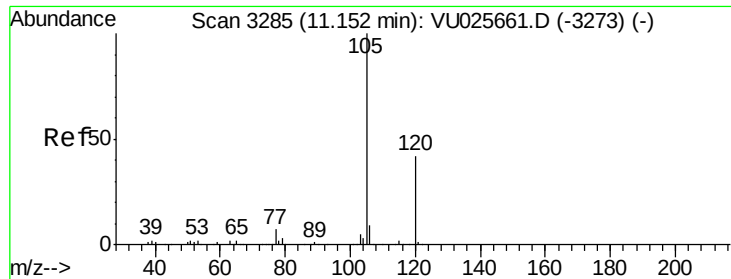
53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU025661.D (-3072) (-)

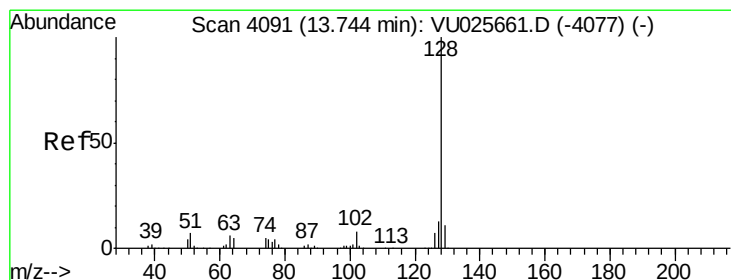
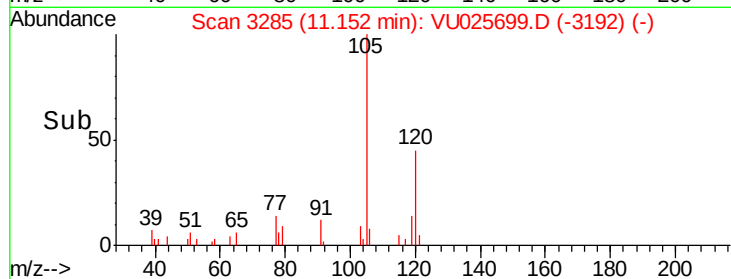
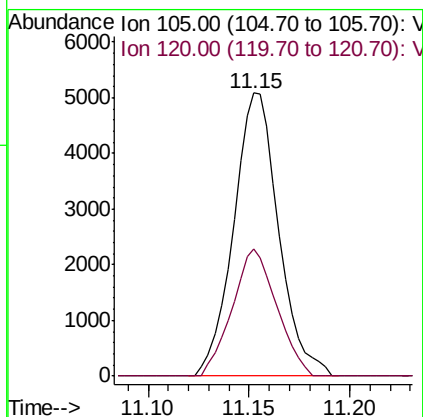
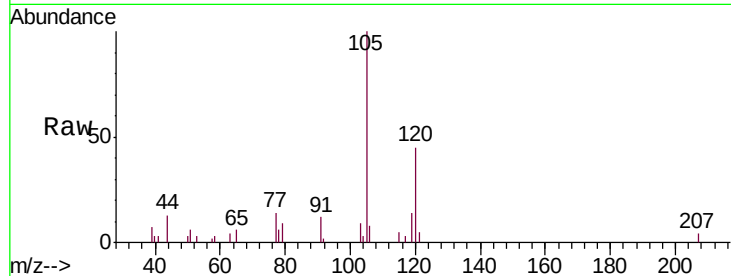




#84
 1,2,4-Trimethylbenzene
 Concen: 0.88 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0506

Tot Ion:105 Resp: 7944
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.8



#95
 Naphthalene
 Concen: 1.46 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU025699.D
 Acq: 28 Jul 2018 03:49

Tgt Ion:128 Resp: 2402
 Ion Ratio Lower Upper
 128 100
 127 5.2 10.5 15.7#
 129 3.7 8.3 12.5#

