

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029153.D
 Acq On : 14 Jan 2019 10:09
 Operator : JC/SP
 Sample : VU0114WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:44:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

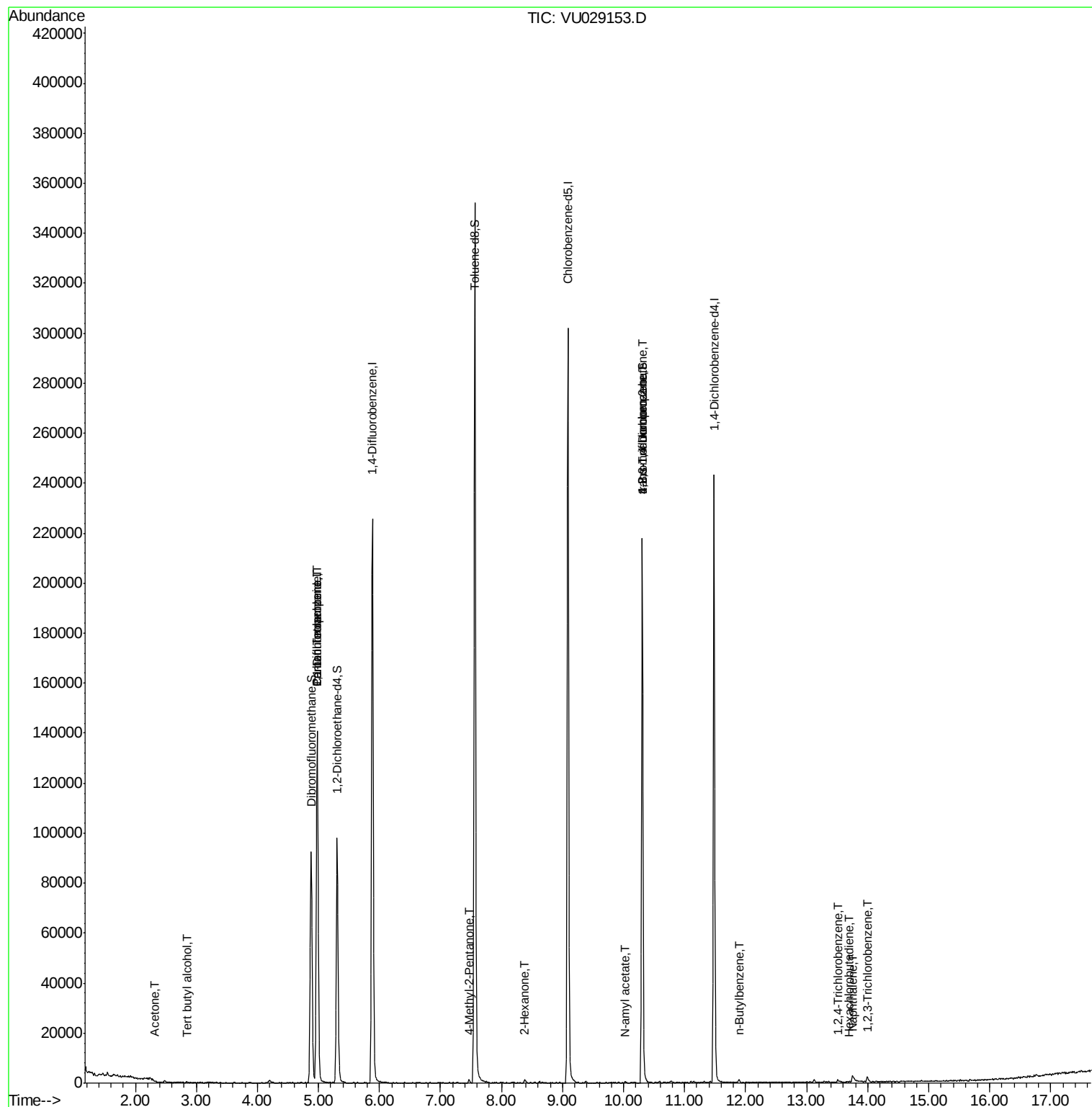
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	115583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	199169	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67889	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	73622	51.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.06%	
35) Dibromofluoromethane	4.88	113	66433	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
50) Toluene-d8	7.56	98	248578	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	10.30	95	76106	41.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.10%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	733	Below Cal		99
5) Bromomethane	1.58	94	19	Below Cal	#	2
11) Tert butyl alcohol	2.84	59	257	0.708	ug/l #	73
16) Acetone	2.32	43	384	0.427	ug/l #	39
17) Carbon Disulfide	2.48	76	904	Below Cal	#	75
31) Cyclohexane	4.98	56	1989	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8045	4.041	ug/l #	46
38) Carbon Tetrachloride	4.98	117	9974	6.007	ug/l #	17
51) 4-Methyl-2-Pentanone	7.46	43	1045	0.458	ug/l #	80
59) 2-Hexanone	8.37	43	1229	0.686	ug/l	69
74) N-amyl acetate	10.02	43	539	0.249	ug/l #	61
76) 1,2,3-Trichloropropane	10.30	75	36292	21.818	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	36292	56.270	ug/l #	100
89) n-Butylbenzene	11.89	91	839	0.221	ug/l #	88
93) 1,2,4-Trichlorobenzene	13.51	180	608	0.394	ug/l #	67
94) Hexachlorobutadiene	13.69	225	164	0.232	ug/l #	47
95) Naphthalene	13.75	128	3219	0.613	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	1366	1.621	ug/l	83

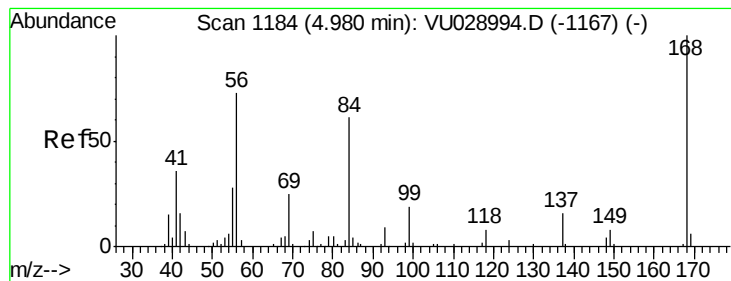
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

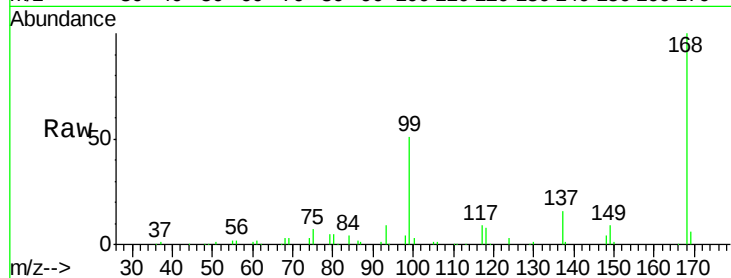
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 115583

Ion Ratio Lower Upper

168 100

99 51.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

30000

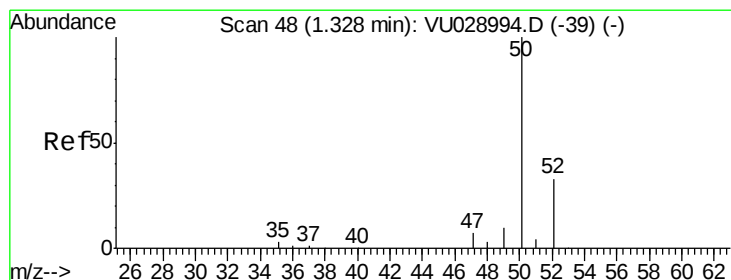
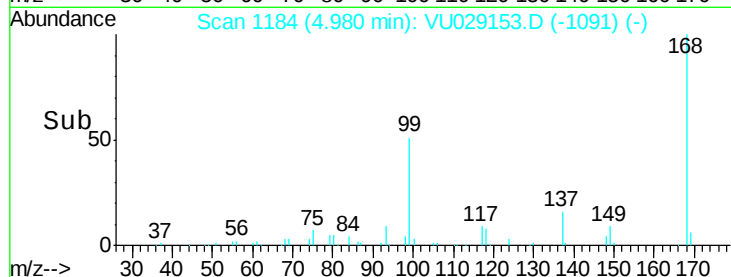
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029153.D

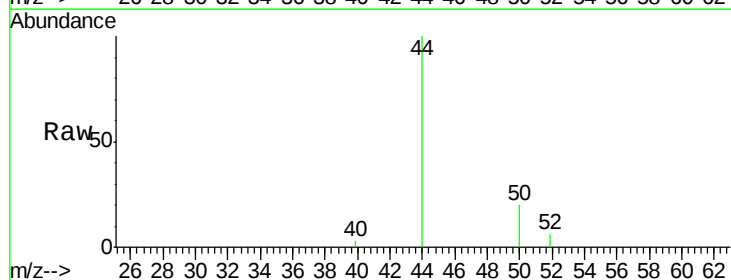
Acq: 14 Jan 2019 10:09

Tgt Ion: 50 Resp: 733

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

600

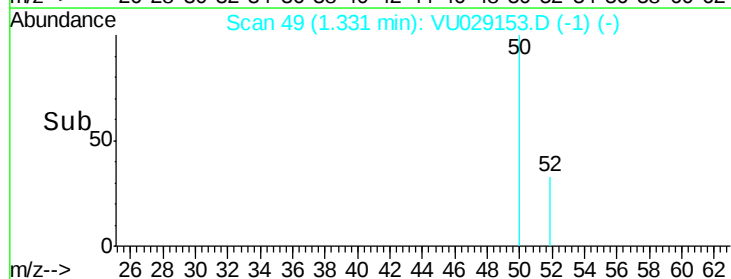
400

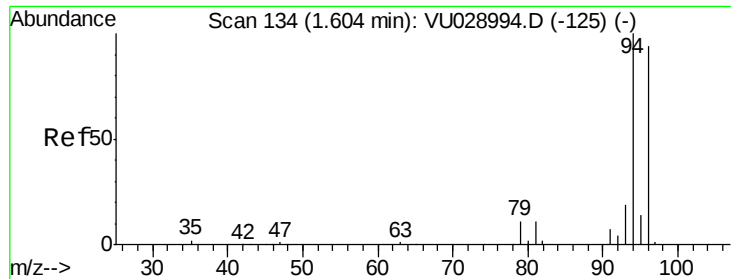
200

0

1.30 1.32 1.34 1.36

Time-->

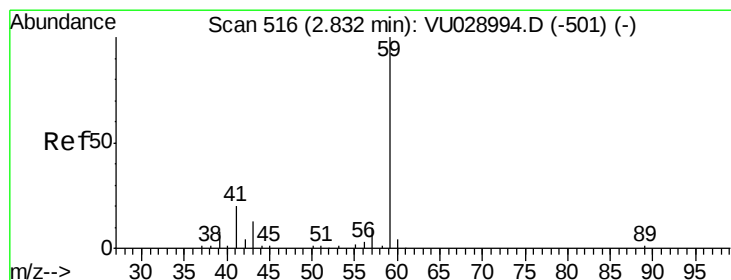
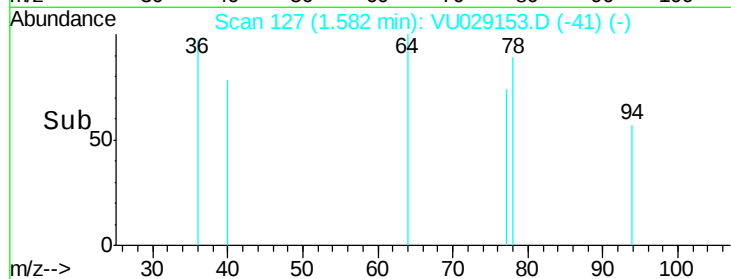
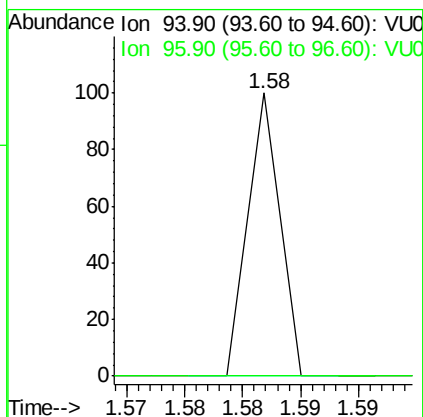
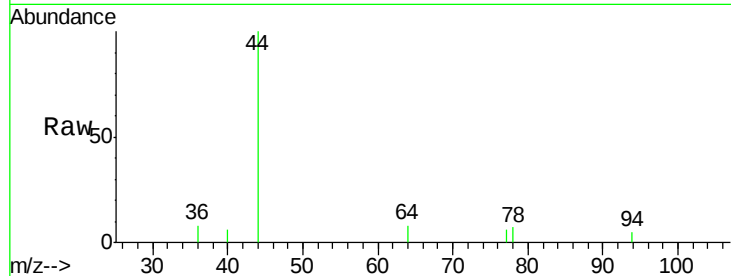




#5
Bromomethane
Concen: Below Cal
RT: 1.58 min Scan# 127
Delta R.T. -0.02 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

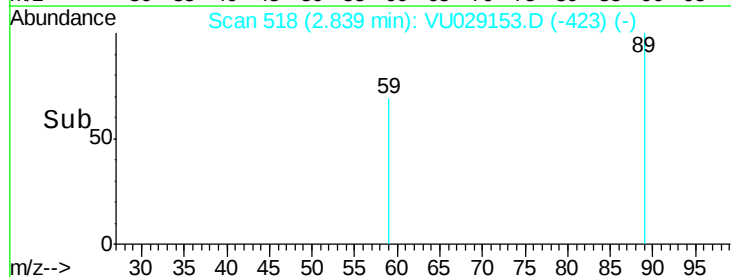
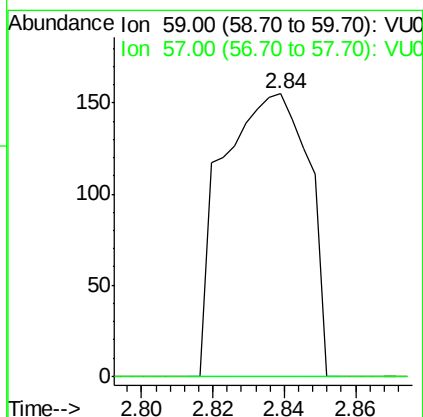
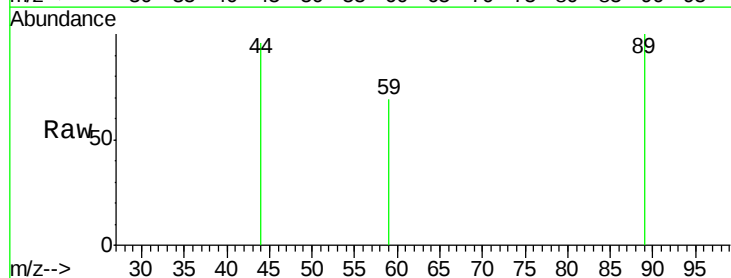
Instrument :
MSVOA_U
ClientSampleId :

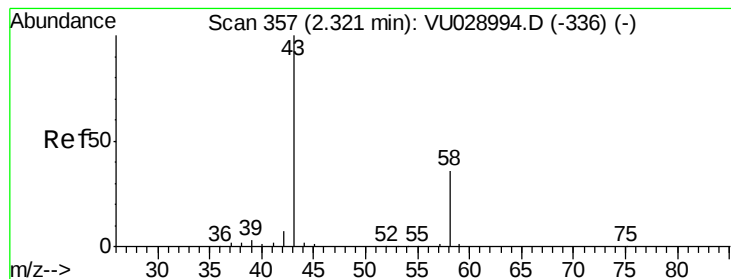
Tot Ion: 94 Resp: 19
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#



#11
Tert butyl alcohol
Concen: 0.708 ug/l
RT: 2.84 min Scan# 518
Delta R.T. 0.01 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#





#16

Acetone

Concen: 0.427 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

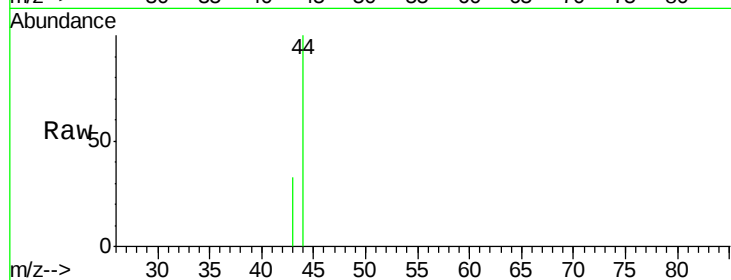
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 384

Ion Ratio Lower Upper

43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

200

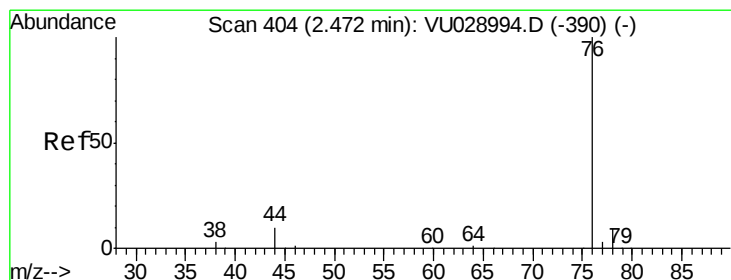
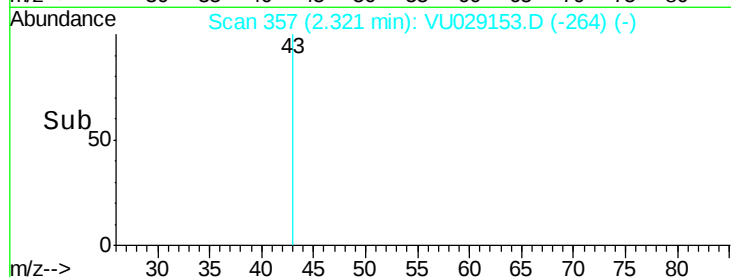
150

100

50

0

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 406

Delta R.T. 0.01 min

Lab File: VU029153.D

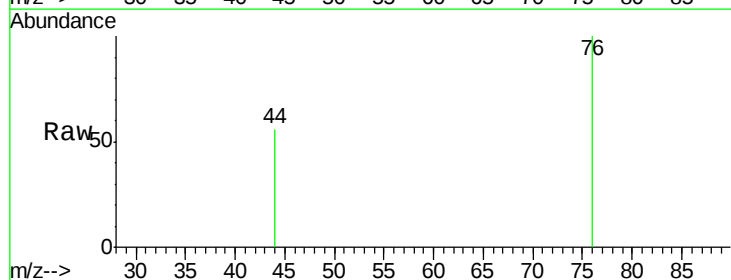
Acq: 14 Jan 2019 10:09

Tgt Ion: 76 Resp: 904

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

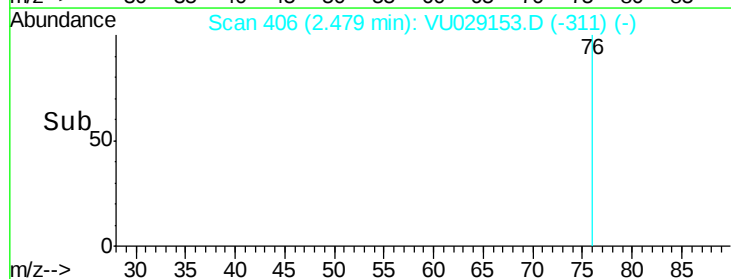
600

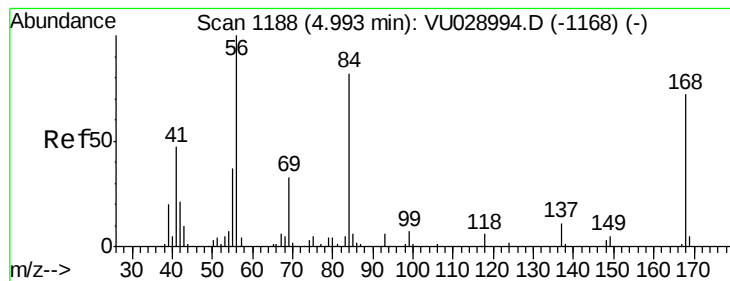
400

200

0

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1183

Delta R.T. -0.02 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

Instrument :
MSVOA_U
ClientSampled :

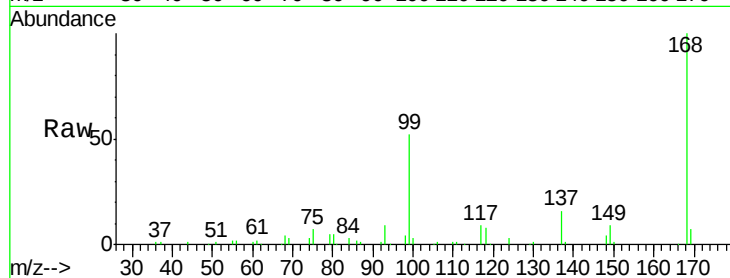
Tot Ion: 56 Resp: 1989

Ion Ratio Lower Upper

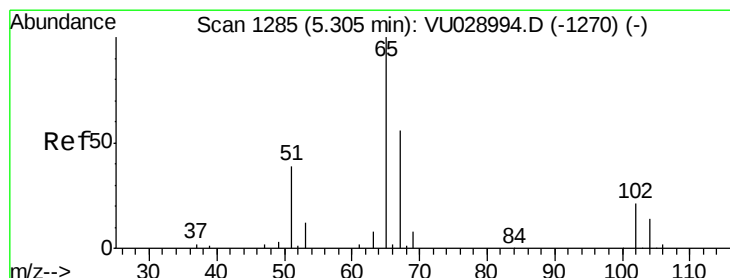
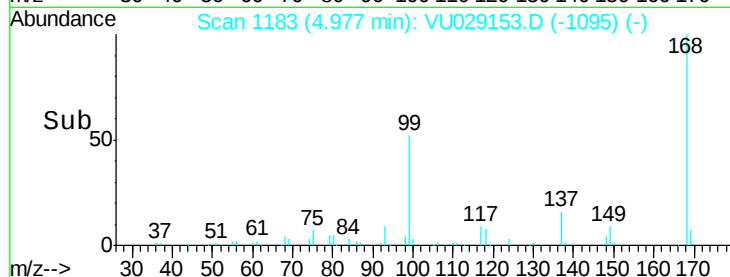
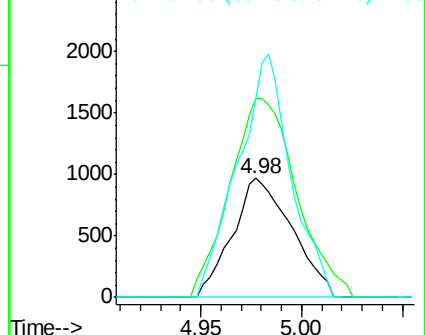
56 100

69 166.4 26.7 40.1#

84 166.7 65.7 98.5#



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: 51.526 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029153.D

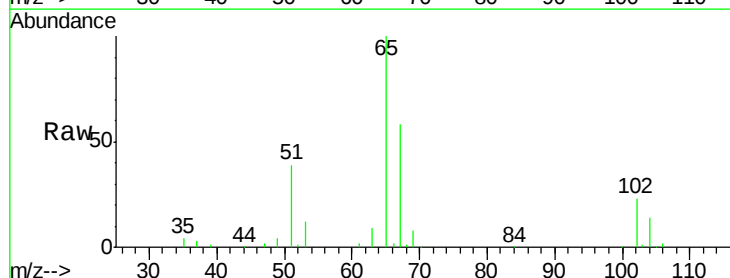
Acq: 14 Jan 2019 10:09

Tgt Ion: 65 Resp: 73622

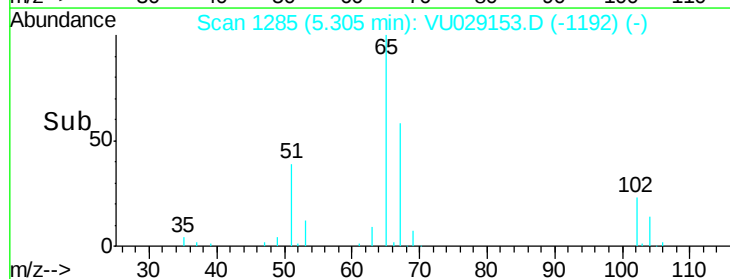
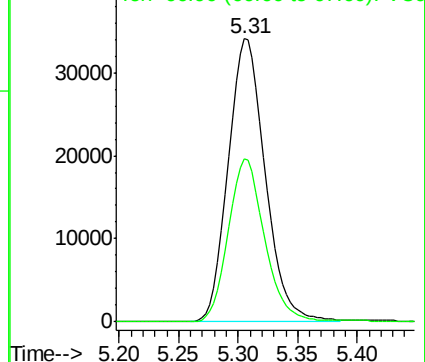
Ion Ratio Lower Upper

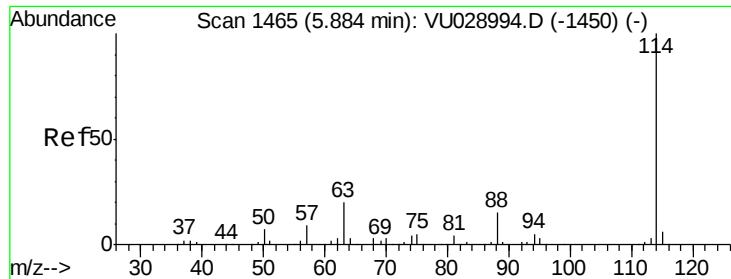
65 100

67 56.7 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

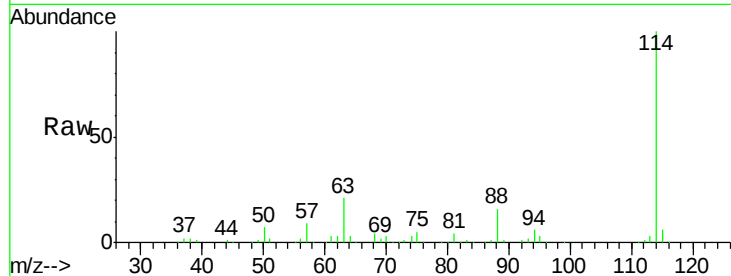




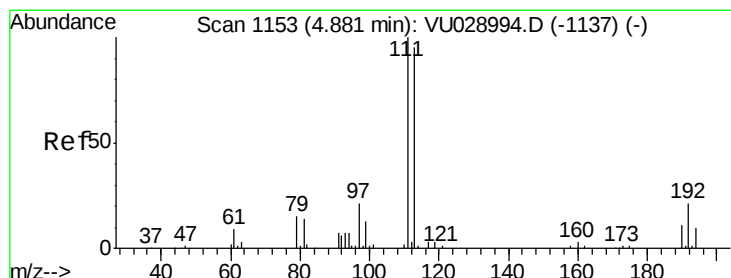
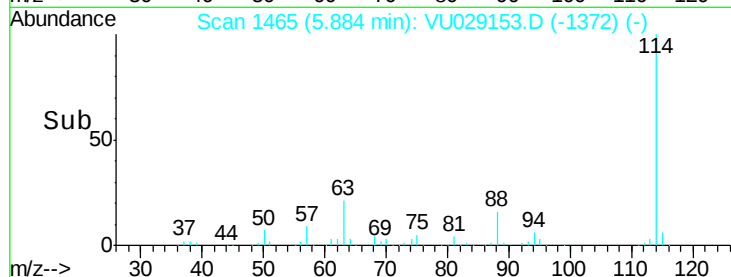
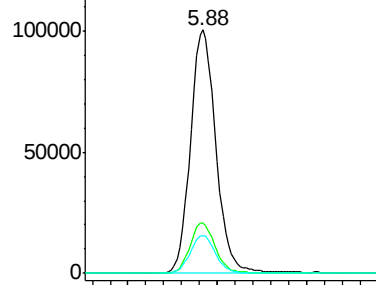
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.88 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:114 Resp: 199169
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.2
88 15.7 0.0 30.4

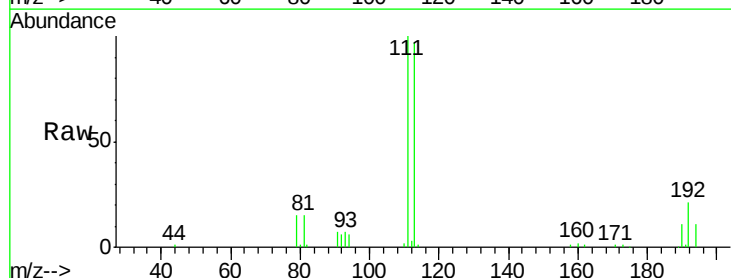


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

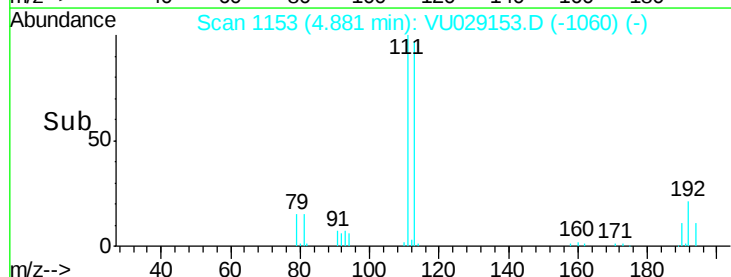
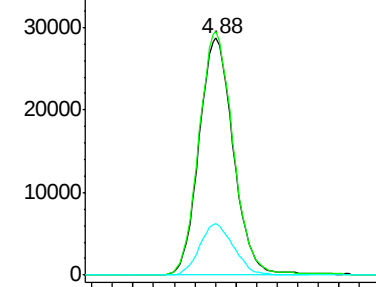


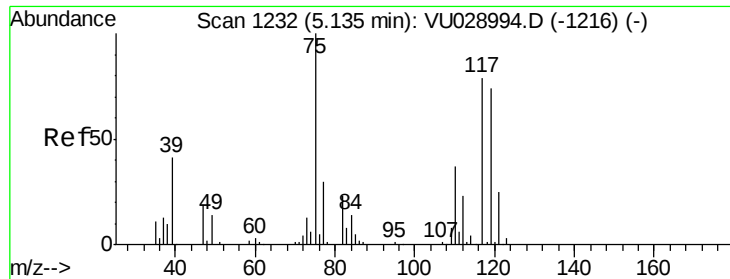
#35
Dibromofluoromethane
Concen: 51.456 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Tgt Ion:113 Resp: 66433
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.2
192 21.5 16.8 25.2



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: 4.041 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.16 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

Instrument :

MSVOA_U

ClientSampled :

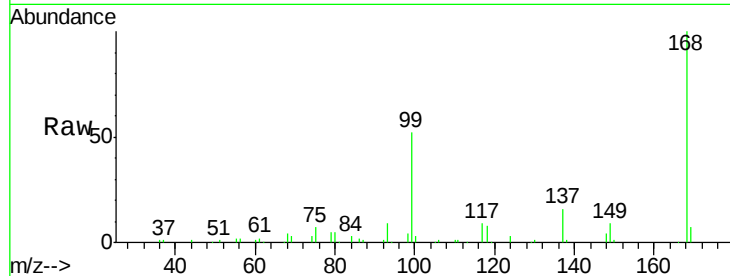
Tot Ion: 75 Resp: 8045

Ion Ratio Lower Upper

75 100

110 6.4 18.4 55.4#

77 0.0 25.1 37.7#

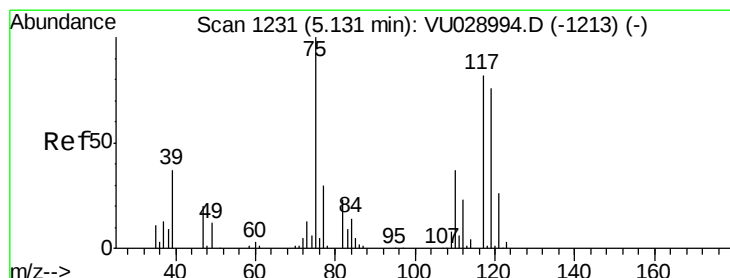
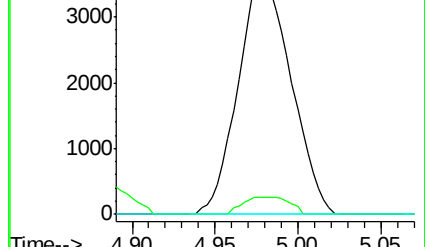
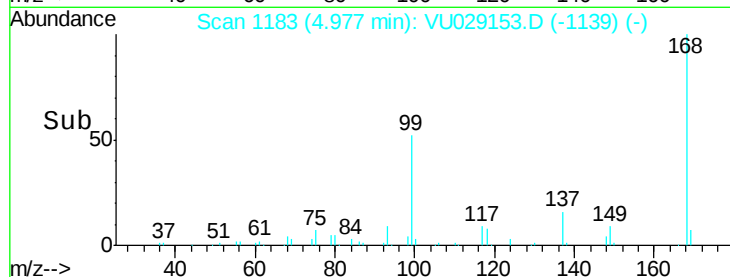


Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028994.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028994.D (-1216) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.007 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

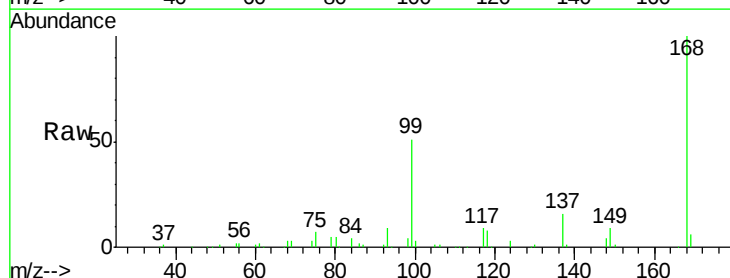
Tgt Ion: 117 Resp: 9974

Ion Ratio Lower Upper

117 100

119 4.7 74.6 111.8#

121 0.0 25.0 37.6#

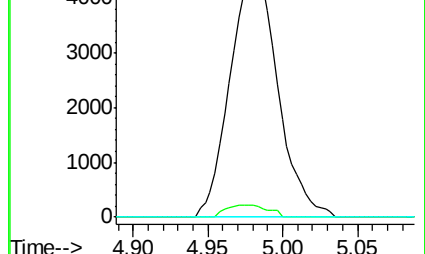
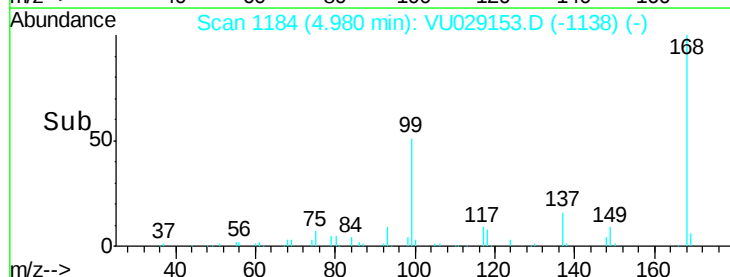


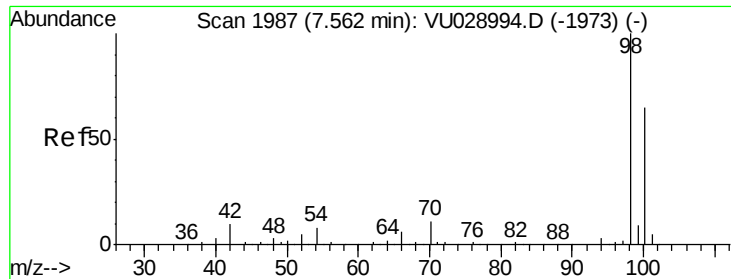
Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU028994.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU028994.D (-1213) (-)

Time-->

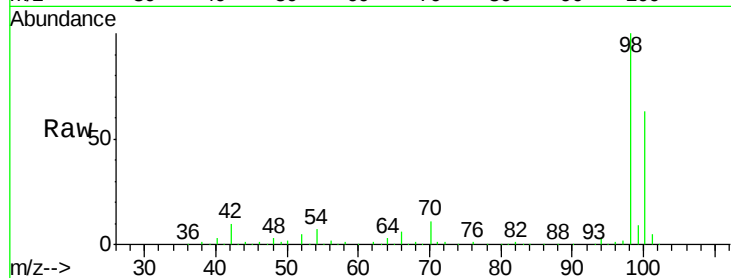




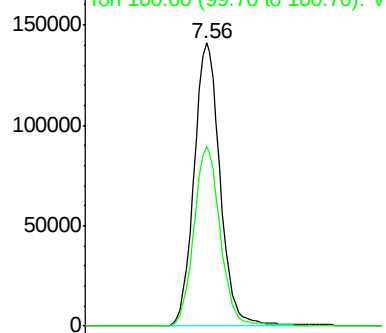
#50
Toluene-d8
Concen: 48.770 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Instrument :
MSVOA_U
ClientSampleId :

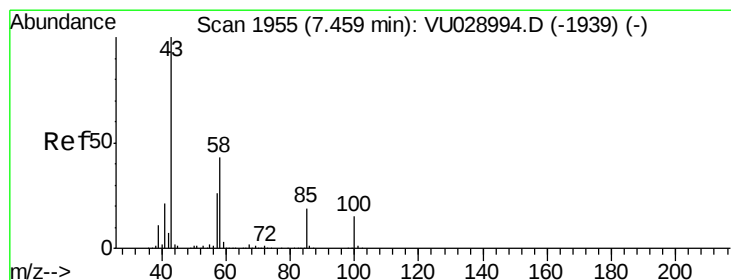
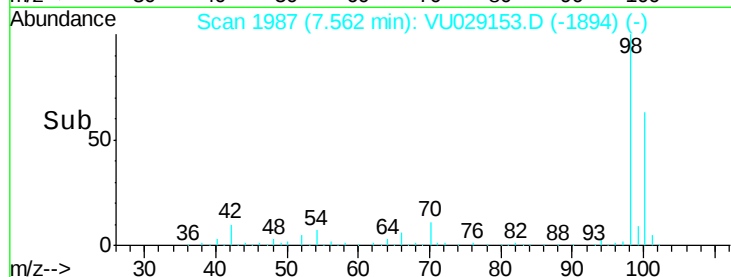
Tot Ion: 98 Resp: 248578
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)
Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

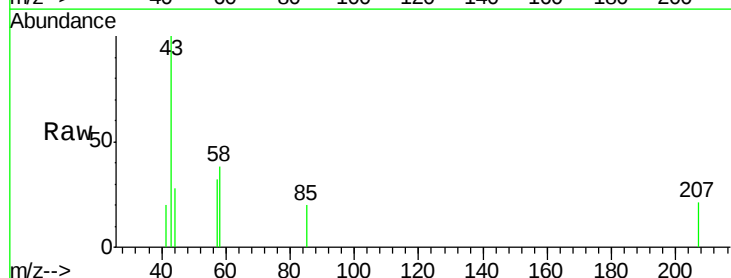


Time-->

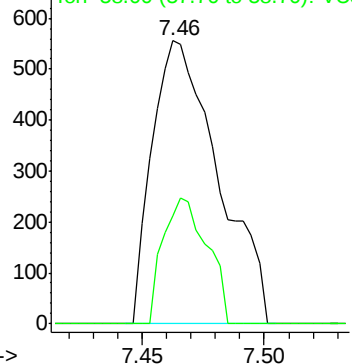


#51
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

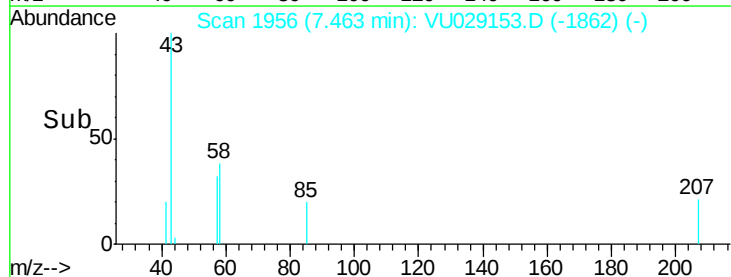
Tgt Ion: 43 Resp: 1045
Ion Ratio Lower Upper
43 100
58 29.8 33.9 50.9#

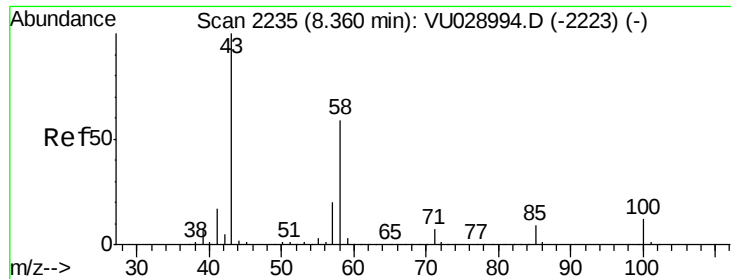


Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-1939) (-)
Ion 58.00 (57.70 to 58.70): VU028994.D (-1939) (-)



Time-->

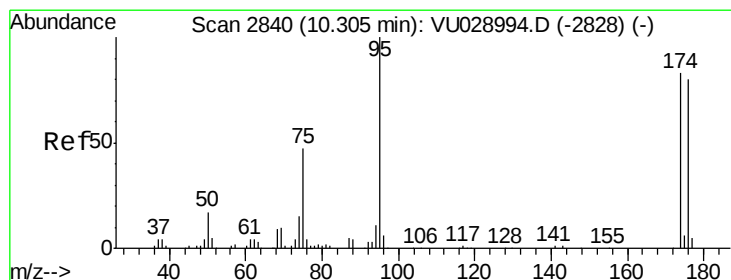
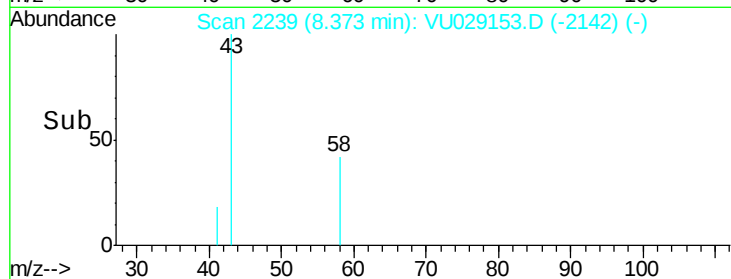
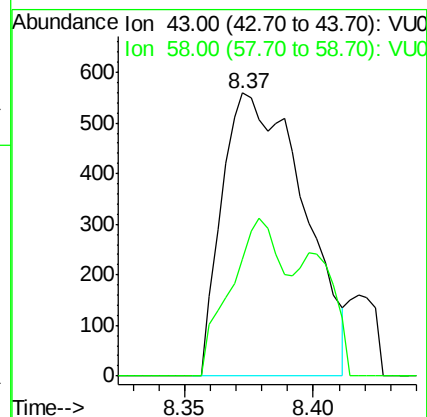
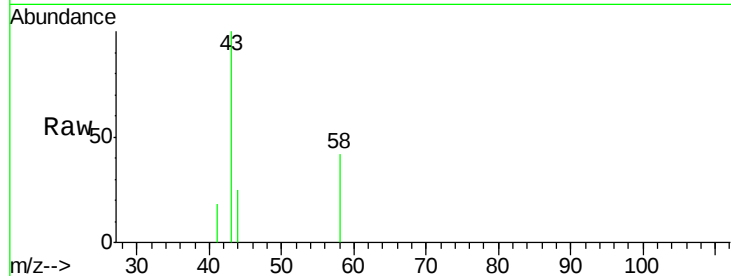




#59
2-Hexanone
Concen: 0.686 ug/l
RT: 8.37 min Scan# 2239
Delta R.T. 0.01 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

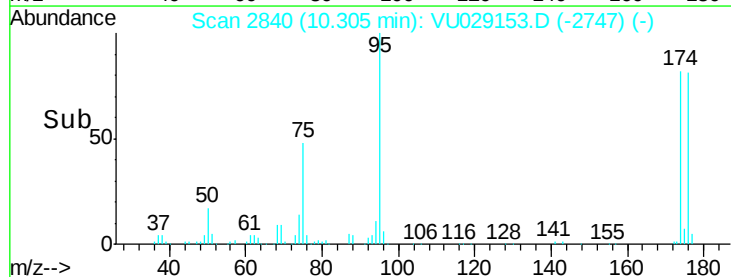
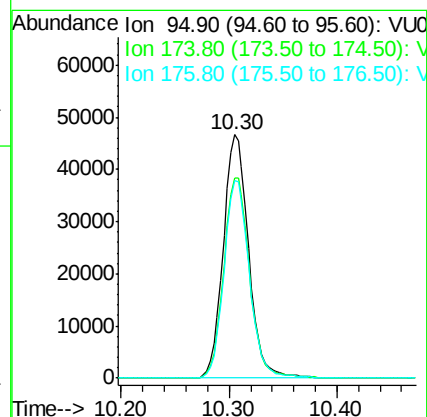
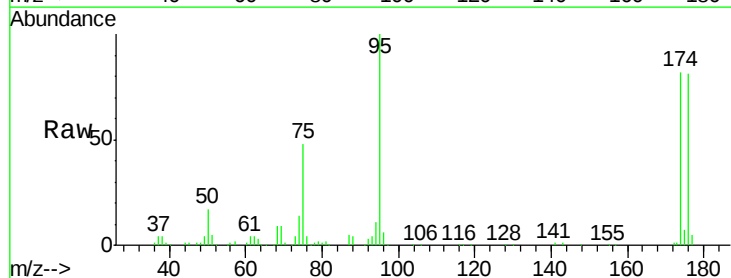
Instrument :
MSVOA_U
ClientSampleId :

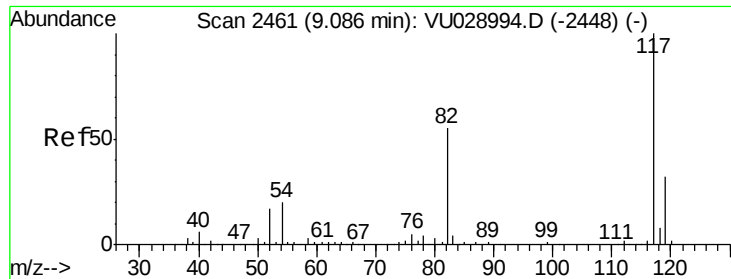
Tot Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
58 36.5 29.8 89.4



#62
4-Bromofluorobenzene
Concen: 41.548 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Tgt Ion: 95 Resp: 76106
Ion Ratio Lower Upper
95 100
174 84.1 0.0 170.6
176 81.6 0.0 165.0

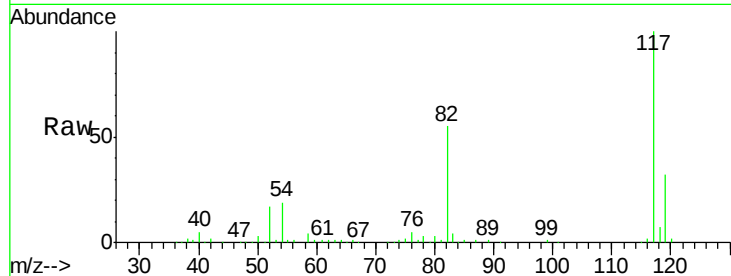




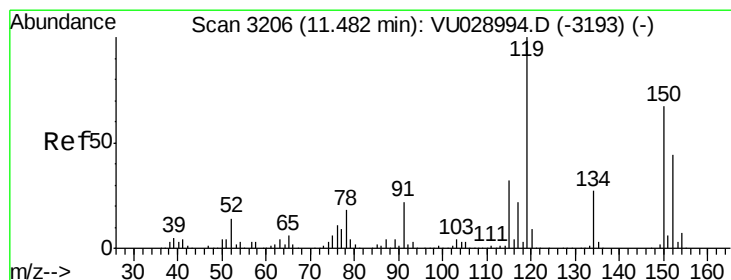
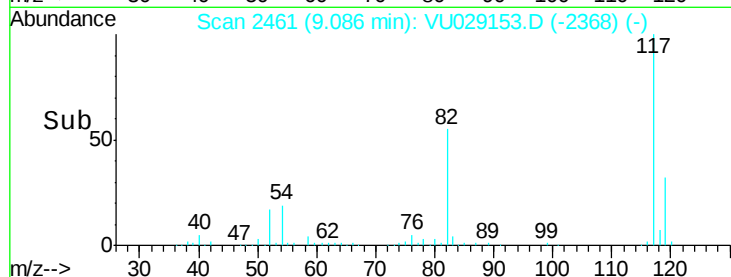
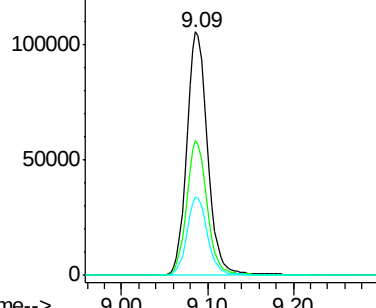
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 178424
Ion Ratio Lower Upper
117 100
82 55.3 43.9 65.9
119 32.1 26.0 39.0

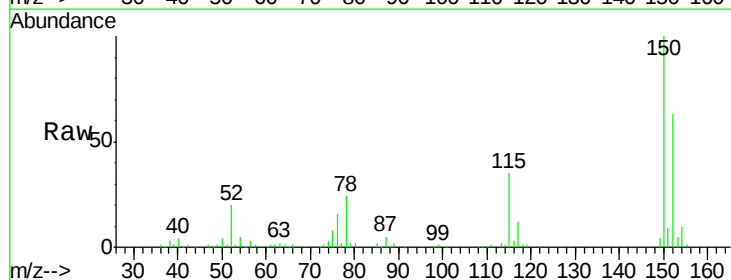


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

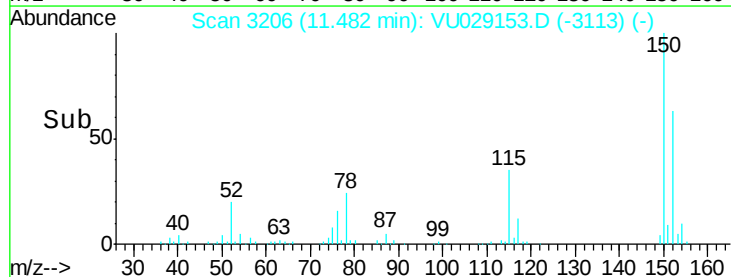
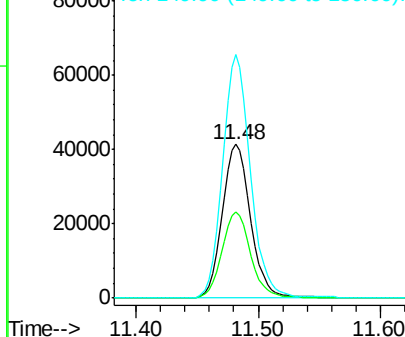


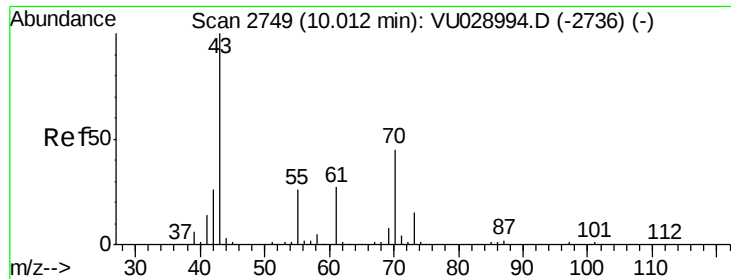
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Tgt Ion:152 Resp: 67889
Ion Ratio Lower Upper
152 100
115 56.3 40.1 120.3
150 155.4 0.0 345.2



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





#74

N-amvl acetate

Concen: 0.249 ug/l

RT: 10.02 min Scan# 2752

Delta R.T. 0.01 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 43 Resp: 539

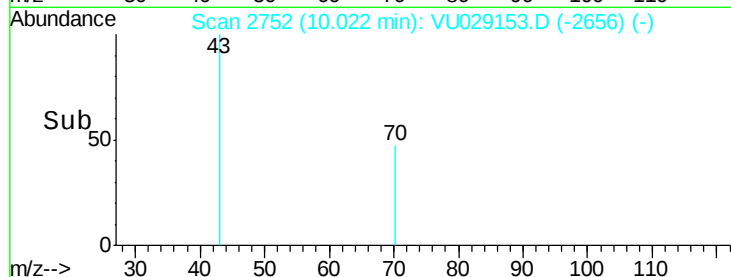
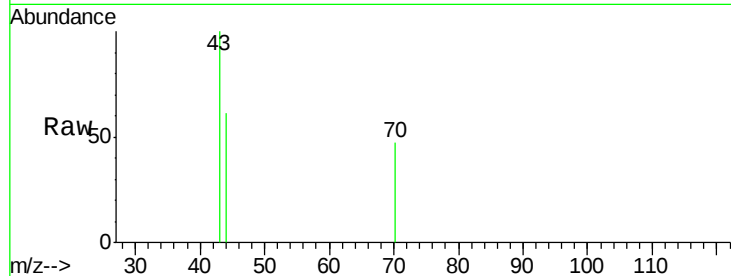
Ion Ratio Lower Upper

43 100

70 19.5 36.3 54.5#

55 13.5 20.5 30.7#

61 0.0 21.8 32.8#

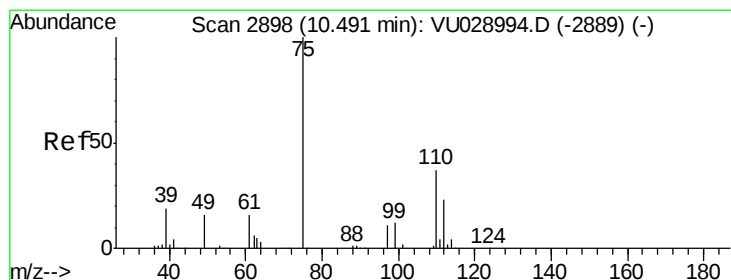
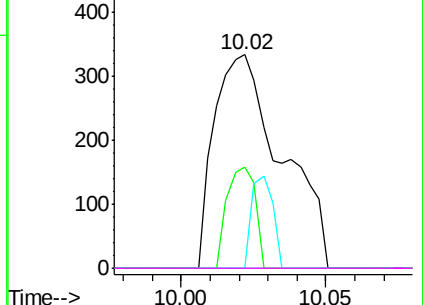


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 21.818 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029153.D

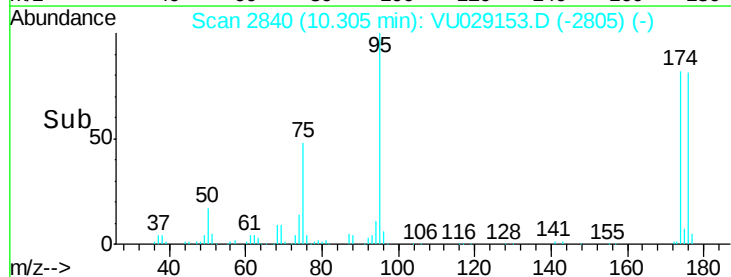
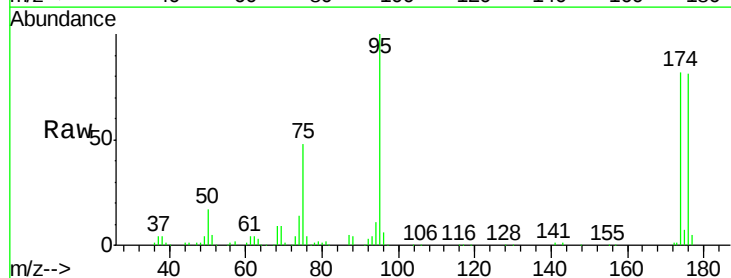
Acq: 14 Jan 2019 10:09

Tgt Ion: 75 Resp: 36292

Ion Ratio Lower Upper

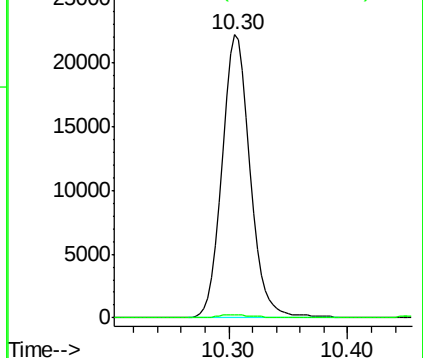
75 100

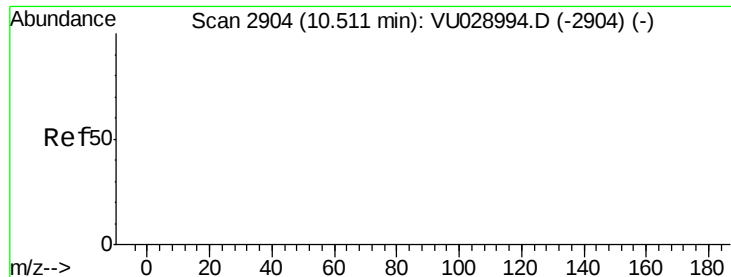
77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

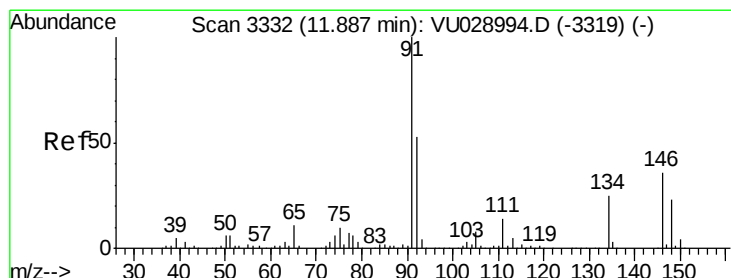
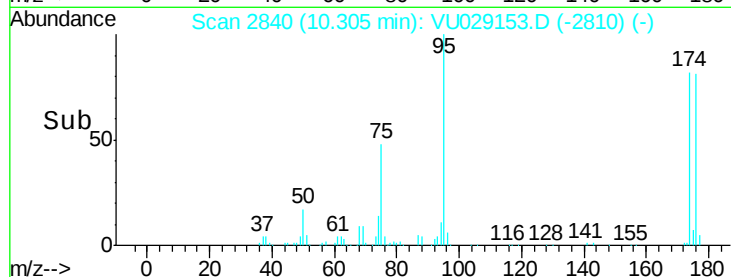
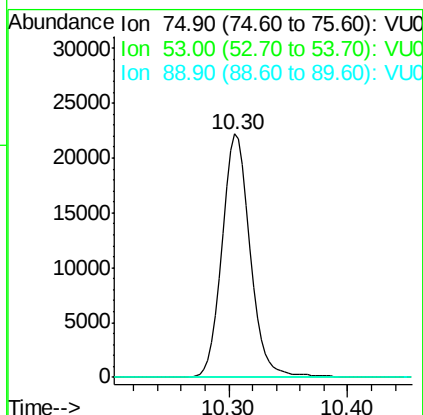
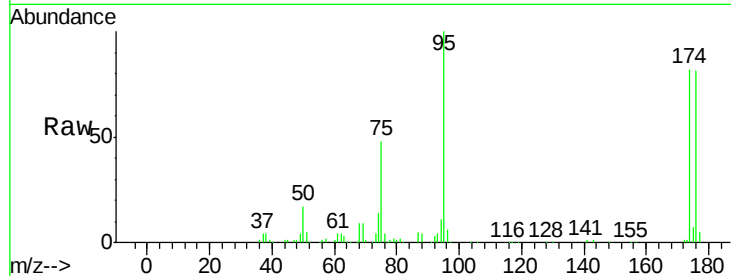




#81
trans-1,4-Dichloro-2-butene
Concen: 56.270 ug/l
RT: 10.30 min Scan# 2840
Delta R.T. -0.21 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

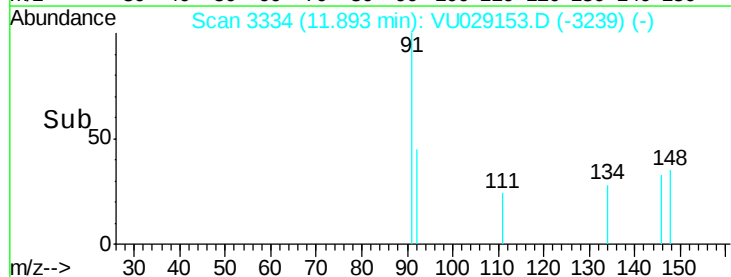
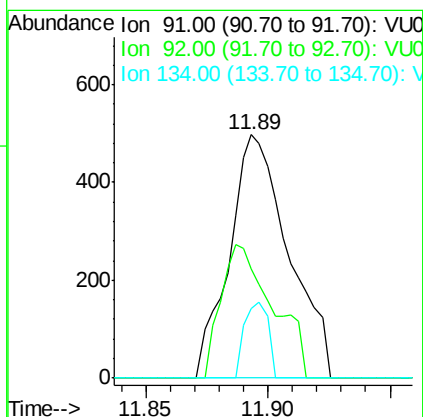
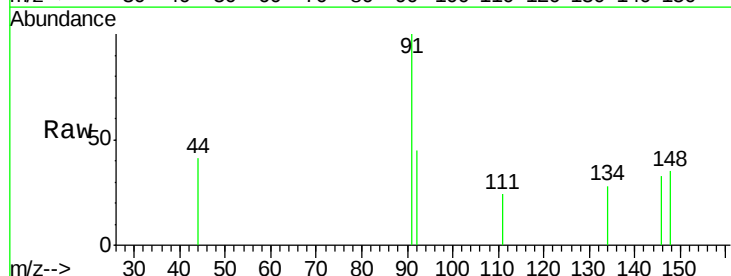
Instrument :
MSVOA_U
ClientSampleId :

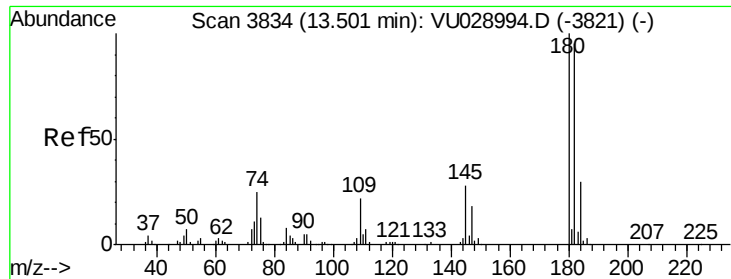
Tot Ion: 75 Resp: 36292
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.01 min
Lab File: VU029153.D
Acq: 14 Jan 2019 10:09

Tgt Ion: 91 Resp: 839
Ion Ratio Lower Upper
91 100
92 48.3 26.2 78.5
134 12.2 12.6 37.6#

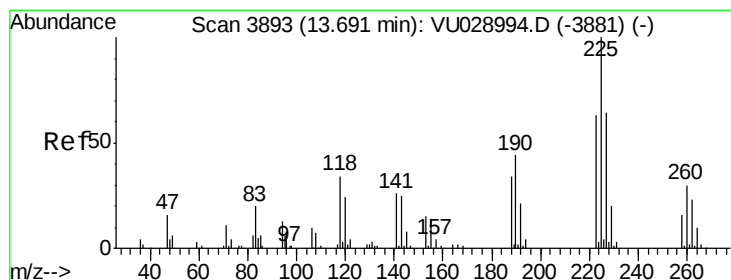
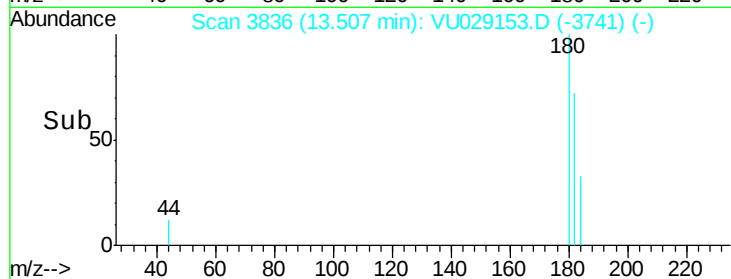
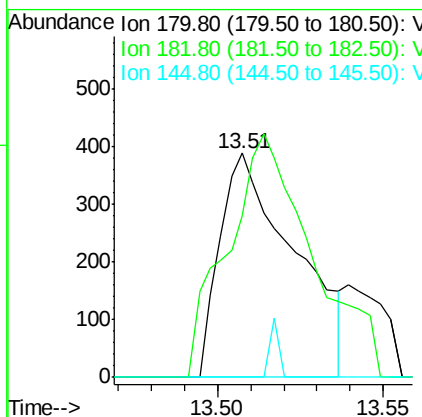
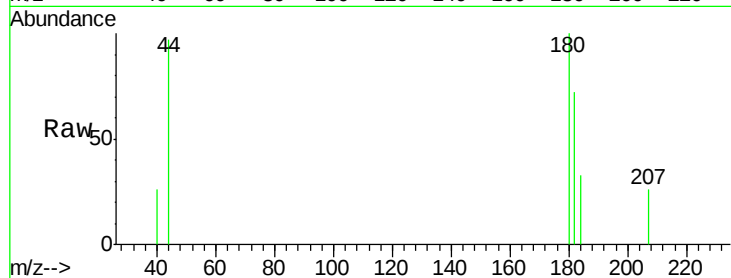




#93
 1,2,4-Trichlorobenzene
 Concen: 0.394 ug/l
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.01 min
 Lab File: VU029153.D
 Acq: 14 Jan 2019 10:09

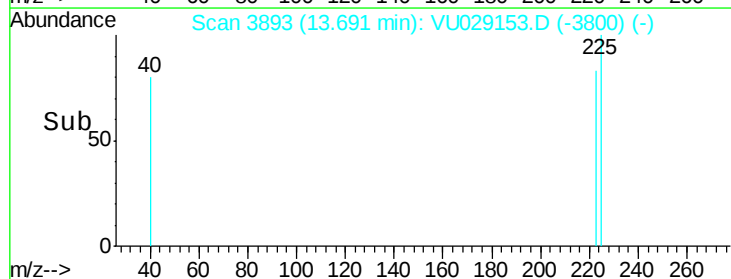
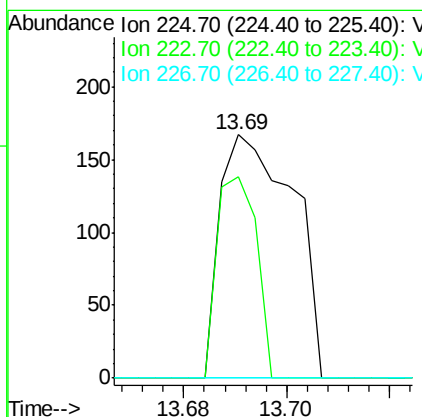
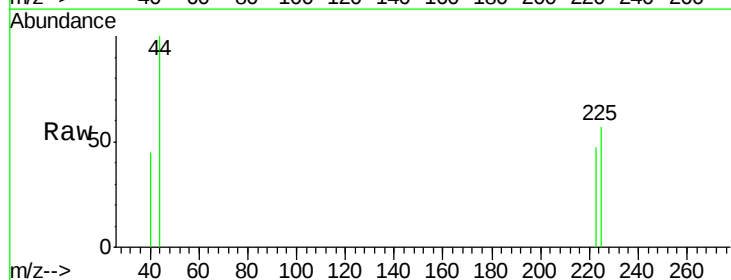
Instrument :
 MSVOA_U
 ClientSampleId :

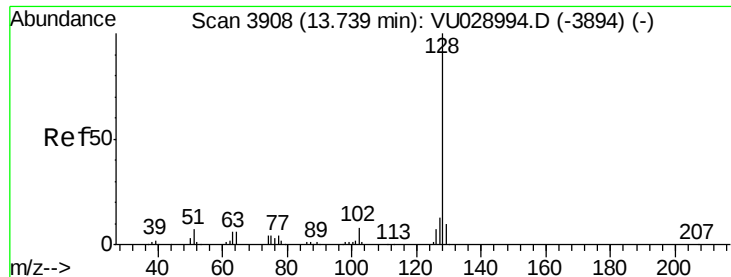
Tot Ion:180 Resp: 608
 Ion Ratio Lower Upper
 180 100
 182 123.5 47.5 142.6
 145 3.3 14.0 42.0#



#94
 Hexachlorobutadiene
 Concen: 0.232 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029153.D
 Acq: 14 Jan 2019 10:09

Tgt Ion:225 Resp: 164
 Ion Ratio Lower Upper
 225 100
 223 44.5 31.4 94.0
 227 0.0 31.9 95.5#





#95

Naphthalene

Concen: 0.613 ug/l

RT: 13.75 min Scan# 3913

Delta R.T. 0.02 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

Instrument :

MSVOA_U

ClientSampleId :

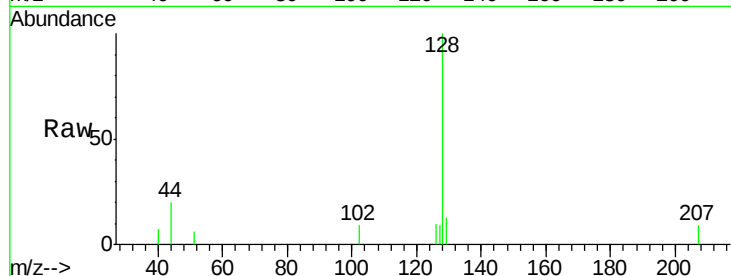
Tot Ion:128 Resp: 3219

Ion Ratio Lower Upper

128 100

127 11.0 10.1 15.1

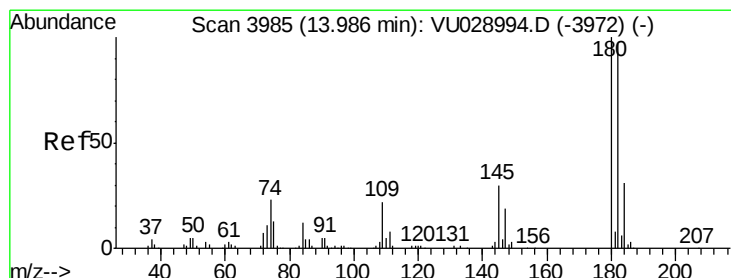
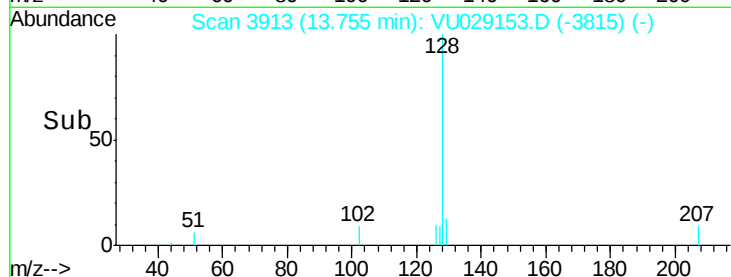
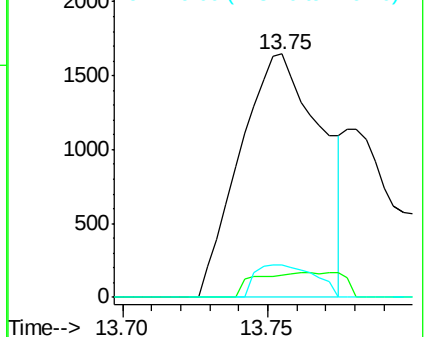
129 9.7 8.5 12.7



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



#96

1,2,3-Trichlorobenzene

Concen: 1.621 ug/l

RT: 13.99 min Scan# 3986

Delta R.T. 0.00 min

Lab File: VU029153.D

Acq: 14 Jan 2019 10:09

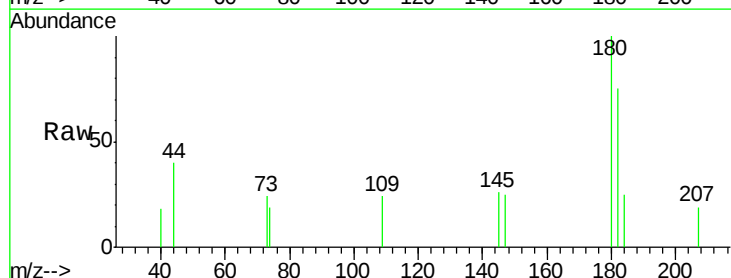
Tgt Ion:180 Resp: 1366

Ion Ratio Lower Upper

180 100

182 83.0 48.1 144.3

145 14.9 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

