

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029168.D
 Acq On : 14 Jan 2019 16:46
 Operator : JC/SP
 Sample : K1137-02DL2 800X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 14 22:49:28 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

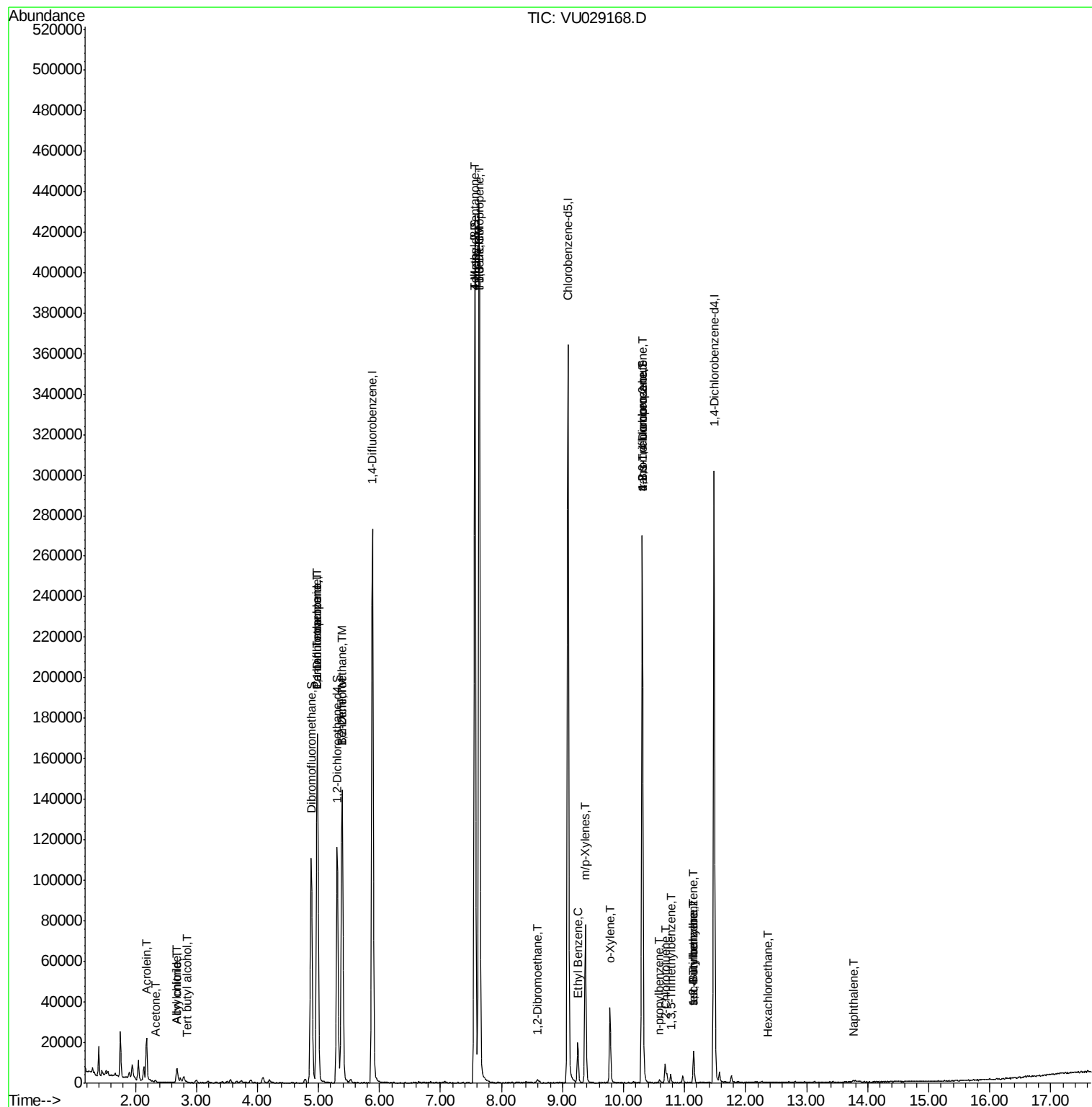
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	140153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	244936	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	216981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84192	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	88344	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
35) Dibromofluoromethane	4.88	113	78229	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
50) Toluene-d8	7.57	98	302067	48.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	10.30	95	94857	42.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.22%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	891	Below Cal		98
5) Bromomethane	1.55	94	40	Below Cal	#	2
11) Tert butyl alcohol	2.84	59	400	0.908	ug/l #	73
13) Acrolein	2.18	56	622	1.881	ug/l #	1
14) Allyl chloride	2.68	41	1090	0.409	ug/l #	38
15) Acrylonitrile	2.68	53	856	0.792	ug/l #	22
16) Acetone	2.32	43	728	0.667	ug/l #	39
17) Carbon Disulfide	2.48	76	43	Below Cal	#	75
31) Cyclohexane	4.98	56	2710	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9996	4.083	ug/l #	46
38) Carbon Tetrachloride	4.98	117	12536	6.139	ug/l #	17
40) Benzene	5.39	78	149192	19.536	ug/l	99
42) 1,2-Dichloroethane	5.39	62	1485	0.647	ug/l #	73
51) 4-Methyl-2-Pentanone	7.56	43	1033	0.368	ug/l #	1
52) Toluene	7.64	92	191437	41.178	ug/l	100
53) t-1,3-Dichloropropene	7.64	75	1720	0.603	ug/l #	1
61) 1,2-Dibromoethane	8.59	107	1398	0.692	ug/l	93
67) Ethyl Benzene	9.25	91	15084	1.858	ug/l	95
68) m/p-Xylenes	9.37	106	23840	7.556	ug/l	98
69) o-Xylene	9.78	106	10444	3.435	ug/l	97
76) 1,2,3-Trichloropropane	10.30	75	43483	21.079	ug/l #	35
78) n-propylbenzene	10.59	91	1610	0.219	ug/l	95
79) 2-Chlorotoluene	10.68	91	1126	0.253	ug/l #	41
80) 1,3,5-Trimethylbenzene	10.77	105	2821	0.542	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.30	75	43483	54.364	ug/l #	100
83) tert-Butylbenzene	11.15	119	1191	0.232	ug/l #	65
84) 1,2,4-Trimethylbenzene	11.15	105	9610	1.850	ug/l	100
85) sec-Butylbenzene	11.15	105	9610	1.549	ug/l #	57
90) Hexachloroethane	12.35	117	311	0.350	ug/l #	7
95) Naphthalene	13.76	128	1490	0.229	ug/l #	70

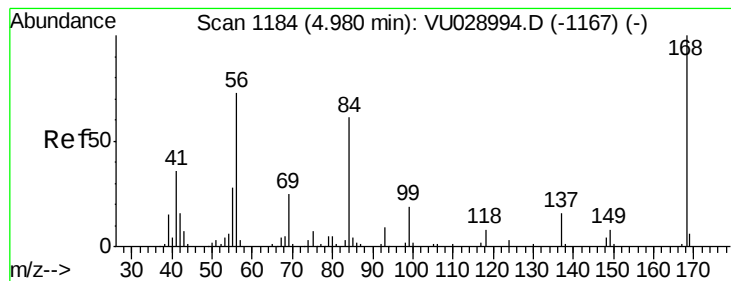
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

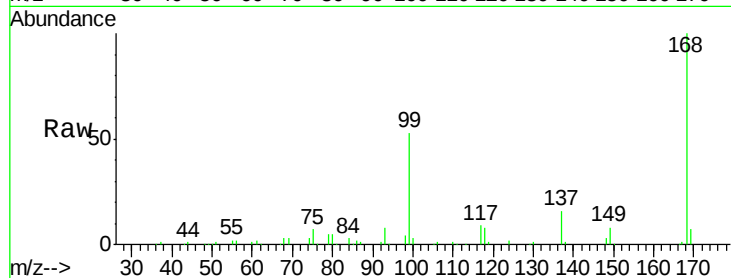
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 140153

Ion Ratio Lower Upper

168 100

99 53.2 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

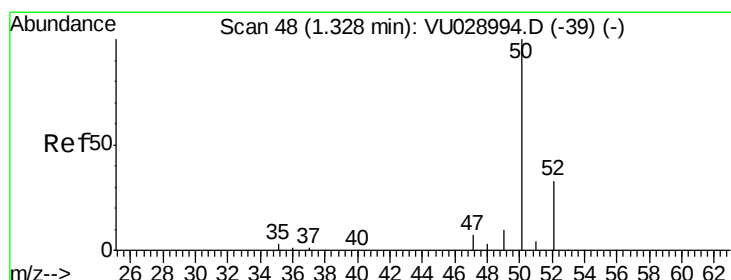
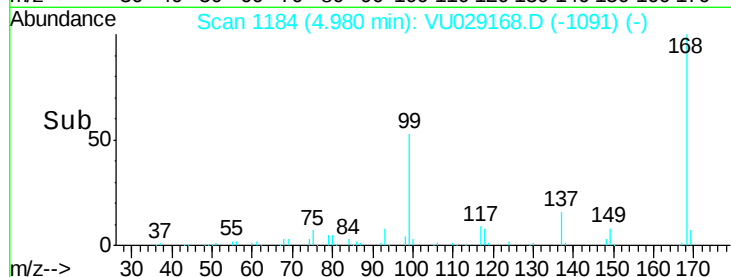
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029168.D

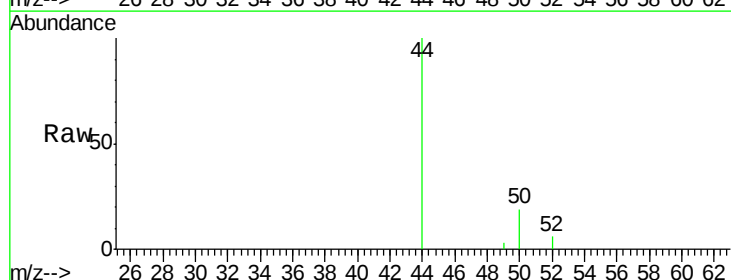
Acq: 14 Jan 2019 16:46

Tgt Ion: 50 Resp: 891

Ion Ratio Lower Upper

50 100

52 31.5 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

800

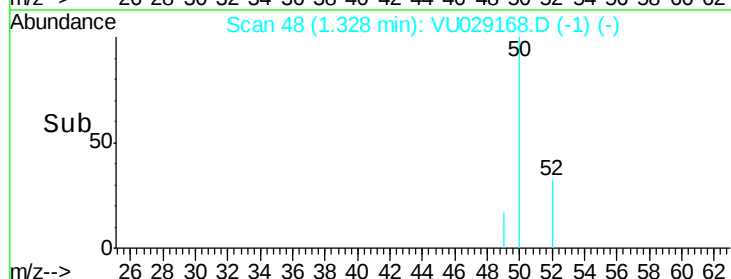
600

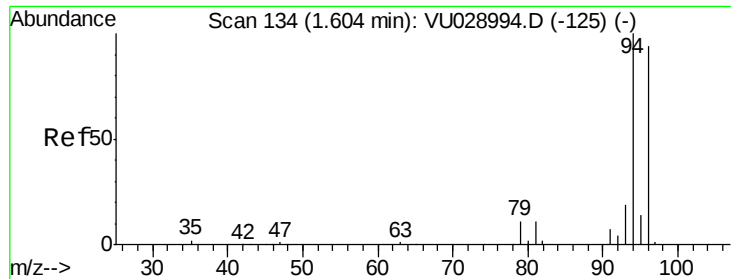
400

200

0

Time-->

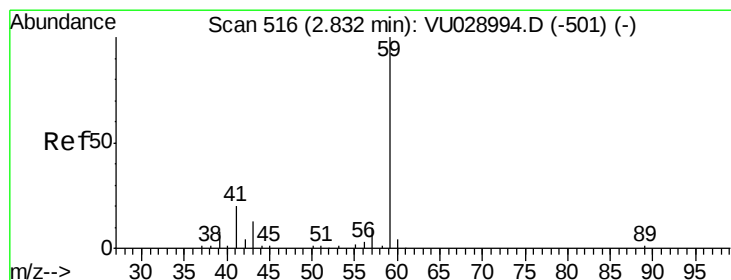
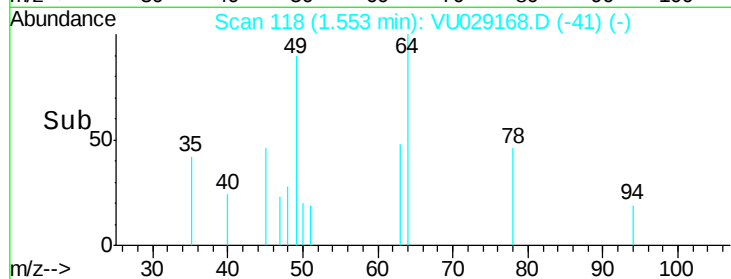
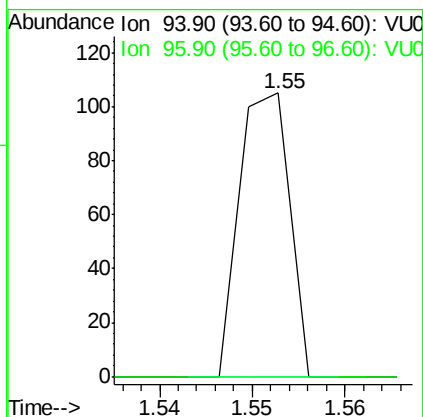
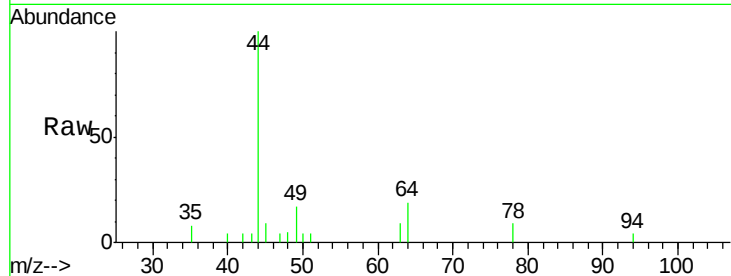




#5
 Bromomethane
 Concen: Below Cal
 RT: 1.55 min Scan# 118
 Delta R.T. -0.05 min
 Lab File: VU029168.D
 Acq: 14 Jan 2019 16:46

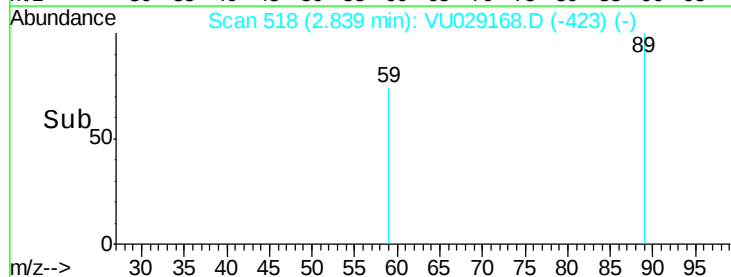
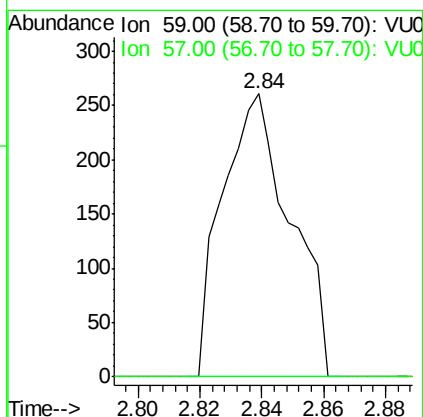
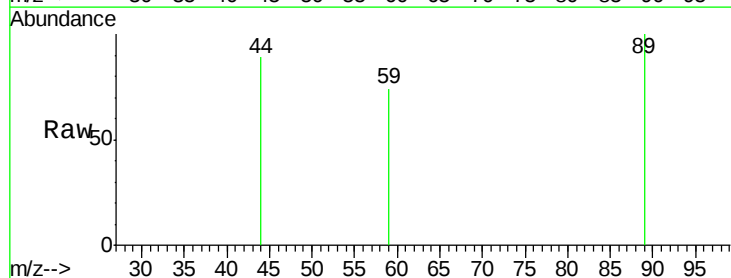
Instrument :
 MSVOA_U
 ClientSampleId :

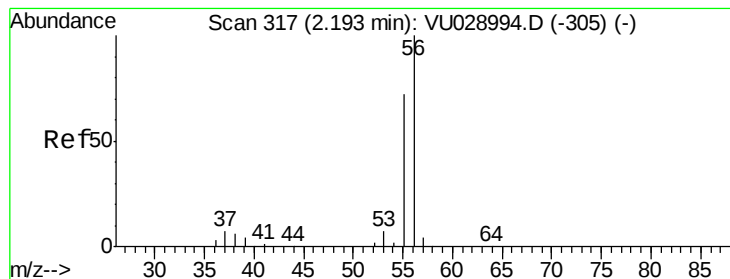
Tot Ion: 94 Resp: 40
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.5 113.3#



#11
 Tert butyl alcohol
 Concen: 0.908 ug/l
 RT: 2.84 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VU029168.D
 Acq: 14 Jan 2019 16:46

Tgt Ion: 59 Resp: 400
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#





#13

Acrolein

Concen: 1.881 ug/l

RT: 2.18 min Scan# 313

Delta R.T. -0.01 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

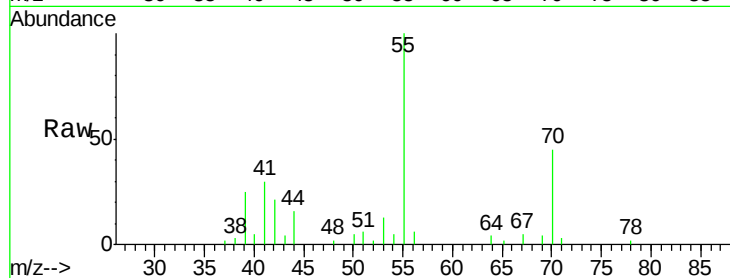
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 622

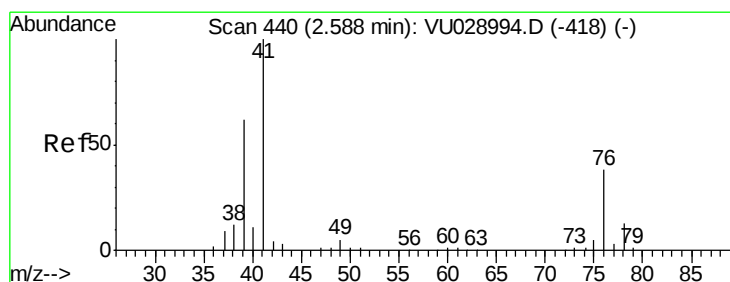
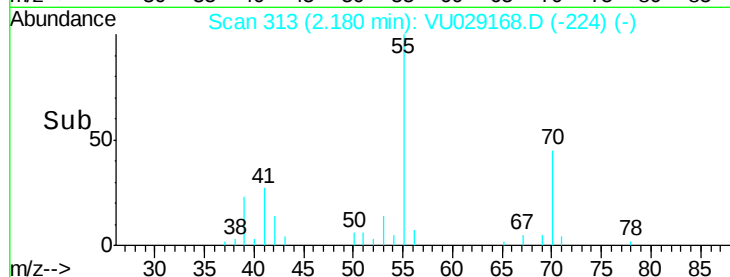
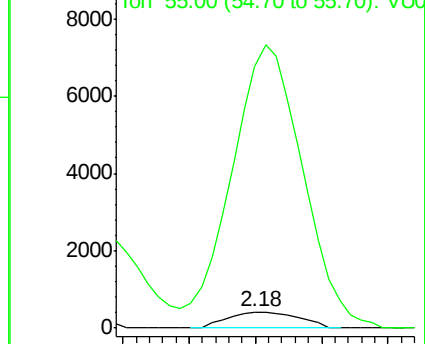
Ion Ratio Lower Upper

56 100

55 1756.1 56.5 84.7#



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



#14

Allyl chloride

Concen: 0.409 ug/l

RT: 2.68 min Scan# 469

Delta R.T. 0.09 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

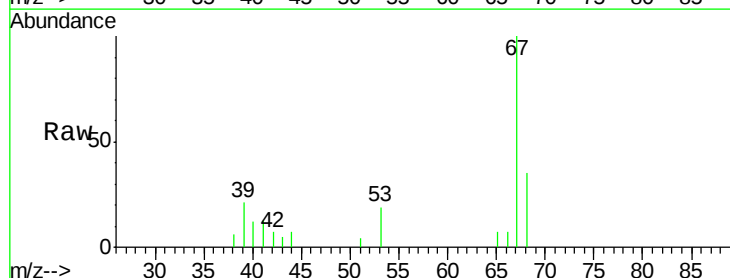
Tgt Ion: 41 Resp: 1090

Ion Ratio Lower Upper

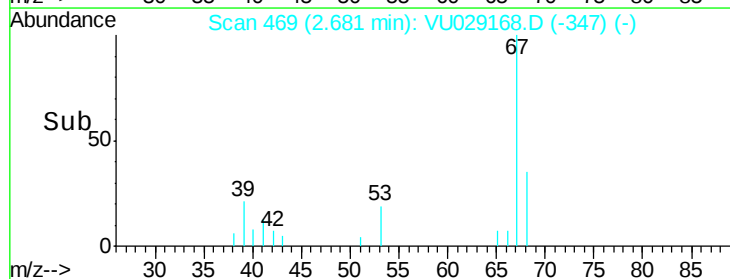
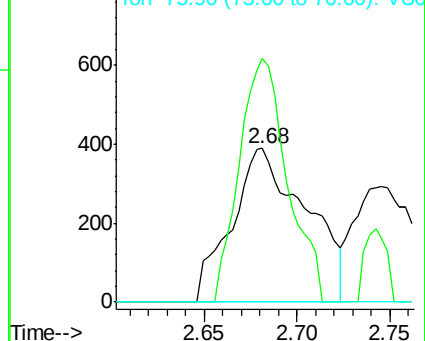
41 100

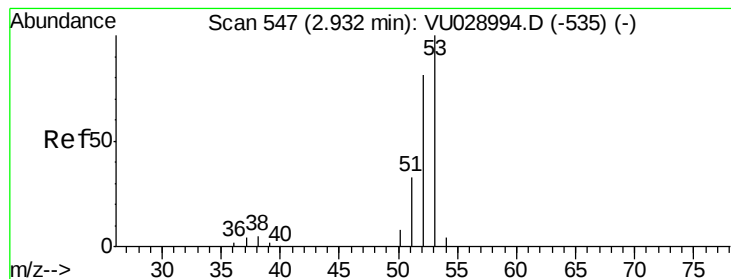
39 101.9 45.0 67.6#

76 0.0 28.1 42.1#



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





#15

Acrylonitrile

Concen: 0.792 ug/l

RT: 2.68 min Scan# 469

Delta R.T. -0.25 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

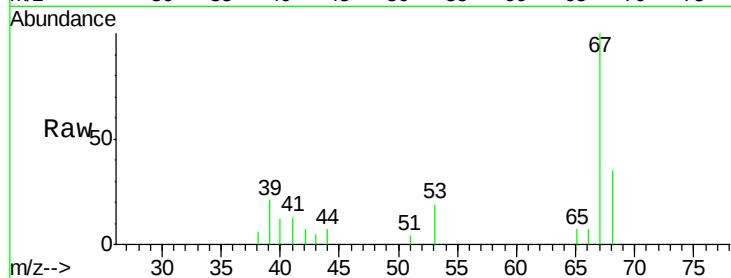
Tot Ion: 53 Resp: 856

Ion Ratio Lower Upper

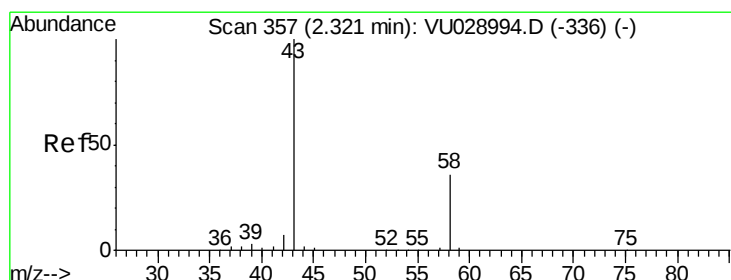
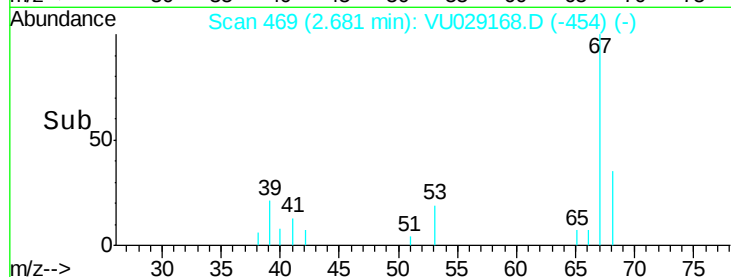
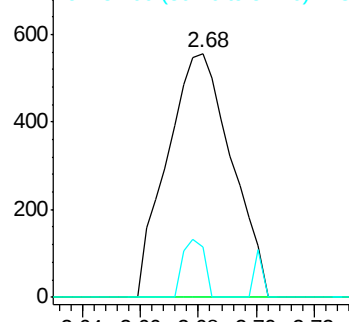
53 100

52 0.0 64.8 97.2#

51 7.9 27.3 40.9#



Abundance Ion 53.00 (52.70 to 53.70): VU029168.D (-454) (-)



#16

Acetone

Concen: 0.667 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU029168.D

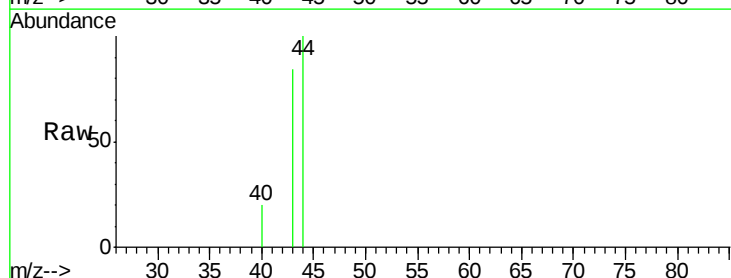
Acq: 14 Jan 2019 16:46

Tgt Ion: 43 Resp: 728

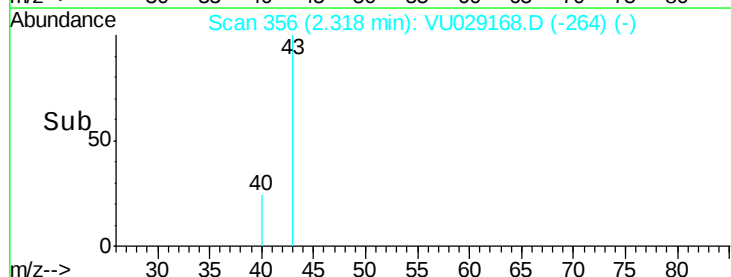
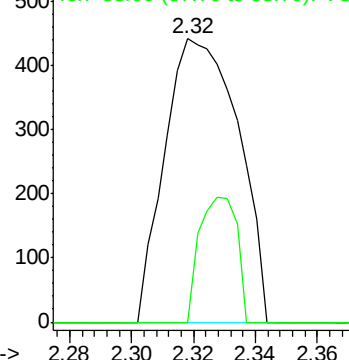
Ion Ratio Lower Upper

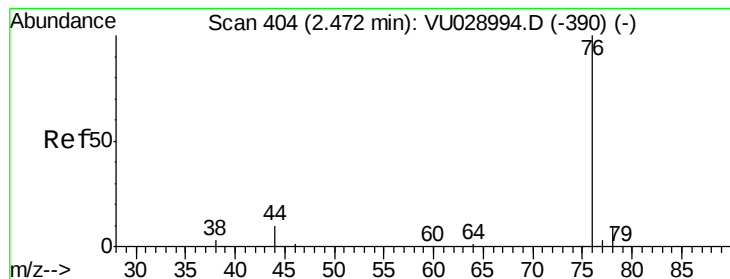
43 100

58 0.0 28.6 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VU029168.D (-264) (-)

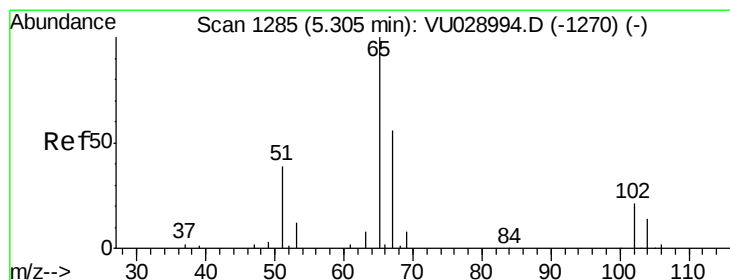
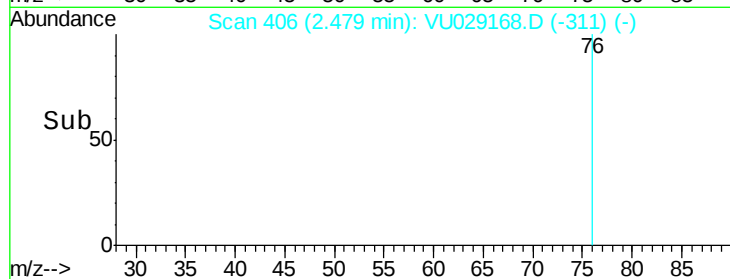
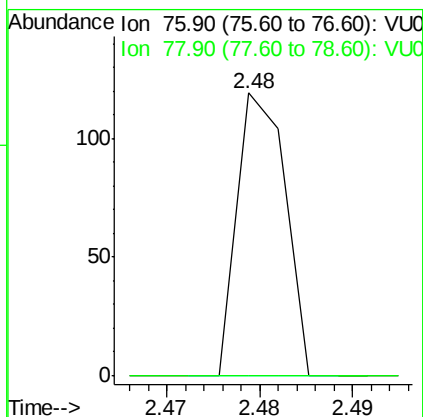
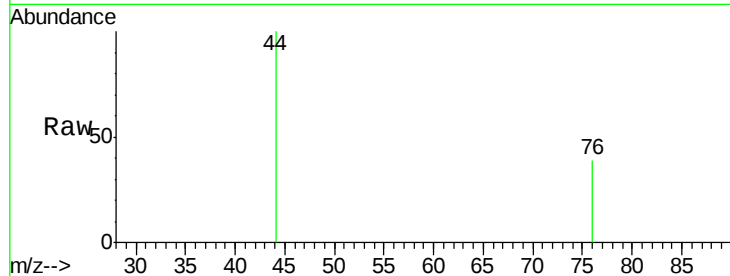




#17
Carbon Disulfide
Concen: Below Cal
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

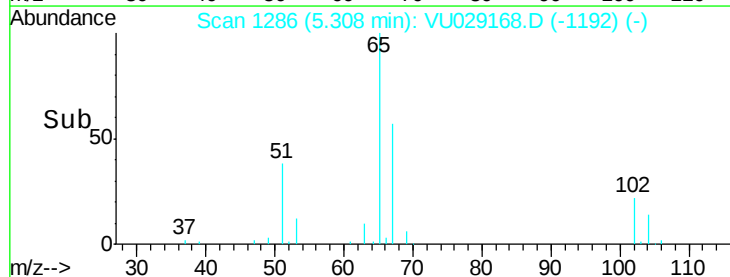
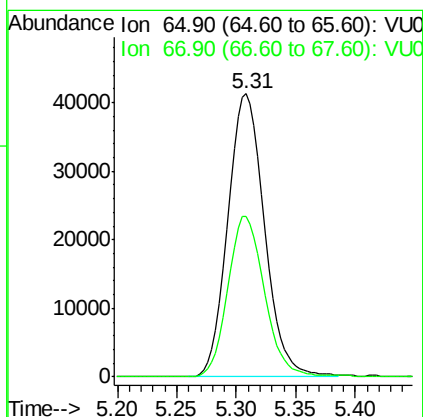
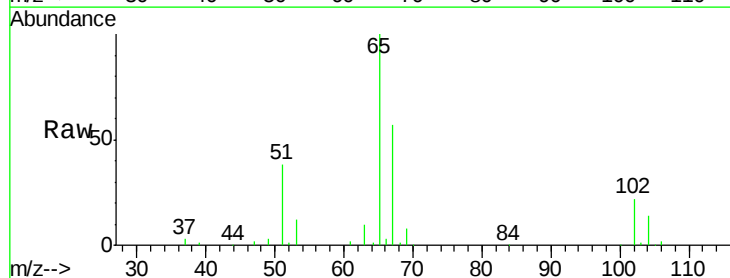
Instrument :
MSVOA_U
ClientSampled :

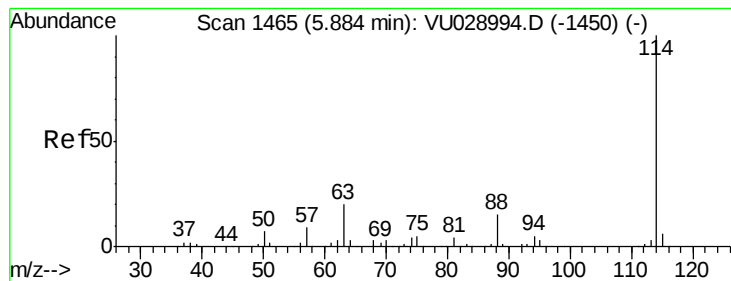
Tot Ion: 76 Resp: 43
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#33
1,2-Dichloroethane-d4
Concen: 50.990 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

Tgt Ion: 65 Resp: 88344
Ion Ratio Lower Upper
65 100
67 56.3 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :

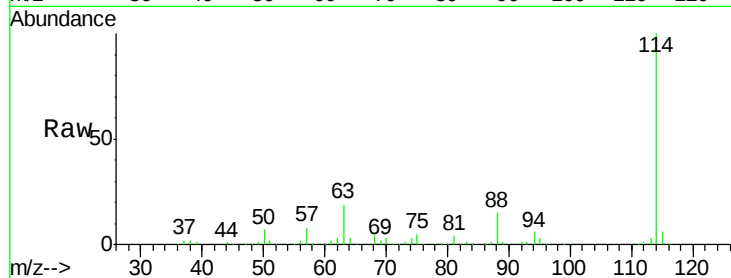
Tot Ion:114 Resp: 244936

Ion Ratio Lower Upper

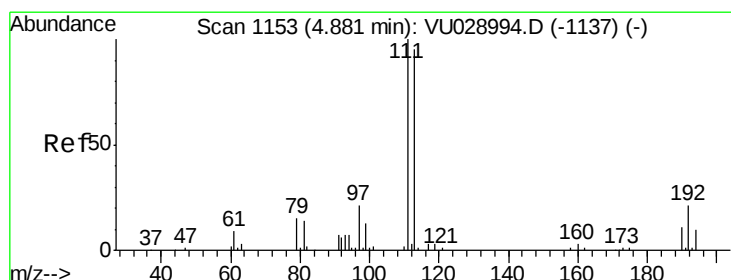
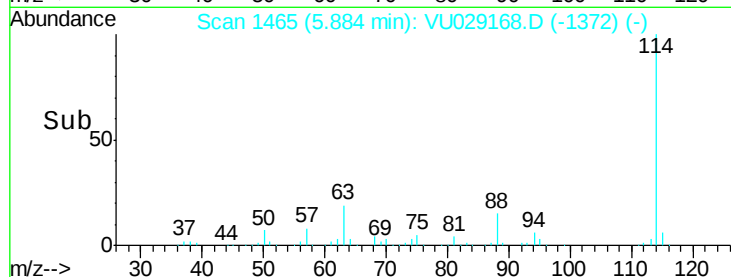
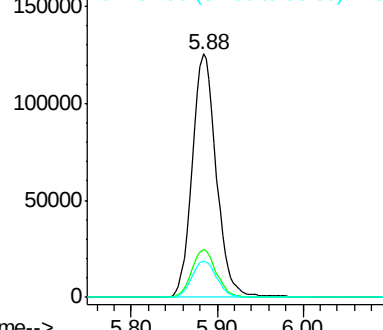
114 100

63 19.4 0.0 40.2

88 14.8 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: 49.270 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

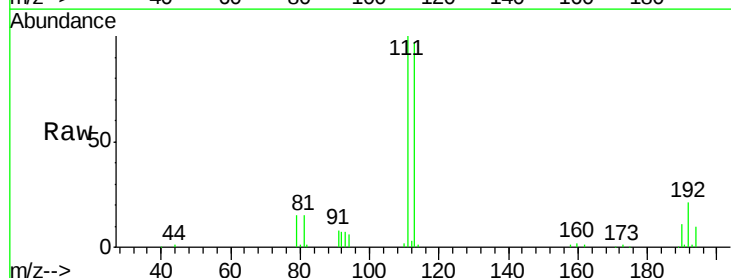
Tgt Ion:113 Resp: 78229

Ion Ratio Lower Upper

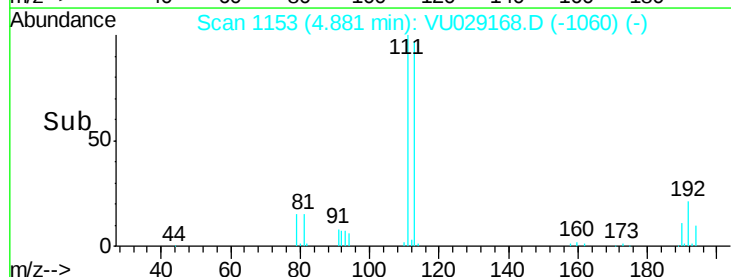
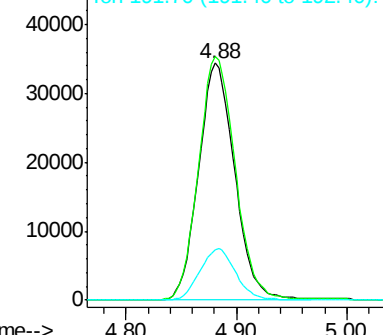
113 100

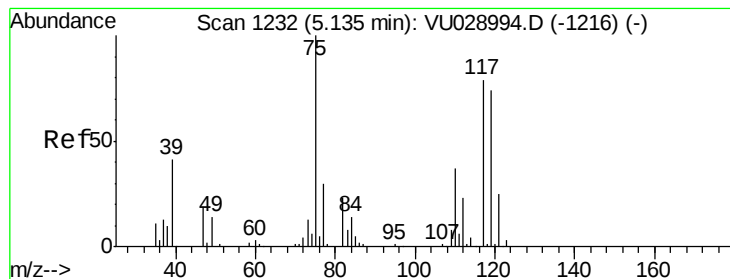
111 104.0 81.4 122.2

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: 4.083 ug/l

RT: 4.98 min Scan# 1183

Delta R.T. -0.16 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

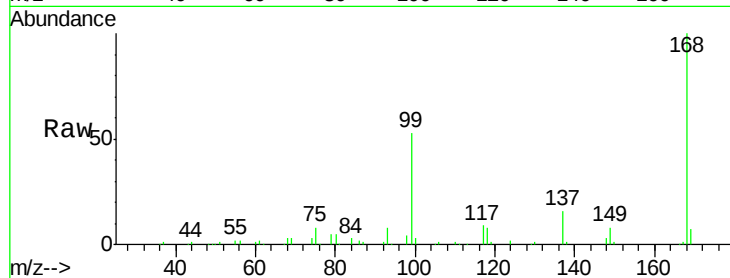
Tot Ion: 75 Resp: 9996

Ion Ratio Lower Upper

75 100

110 6.7 18.4 55.4#

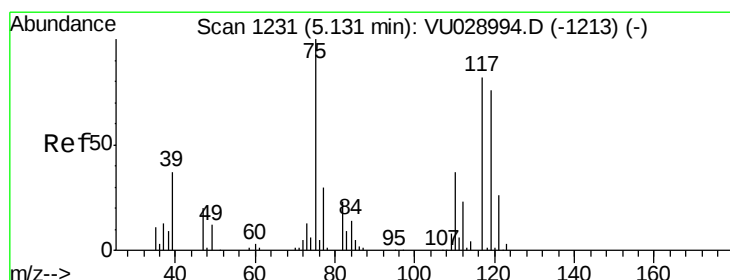
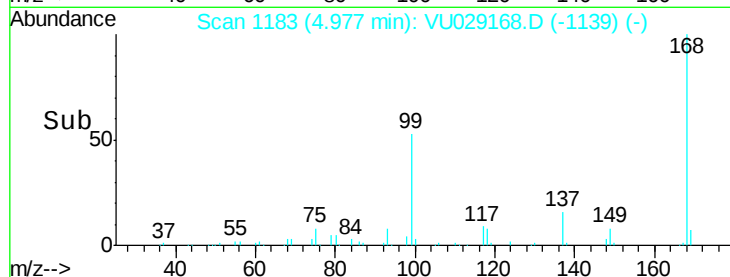
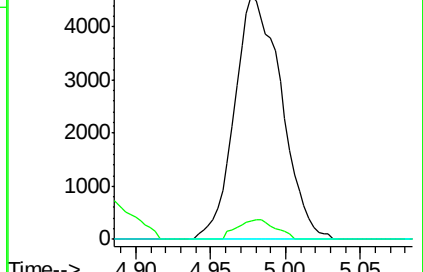
77 0.0 25.1 37.7#



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) (-)



#38

Carbon Tetrachloride

Concen: 6.139 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.15 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

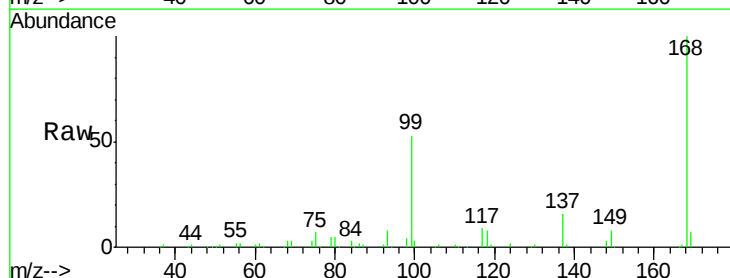
Tgt Ion: 117 Resp: 12536

Ion Ratio Lower Upper

117 100

119 5.3 74.6 111.8#

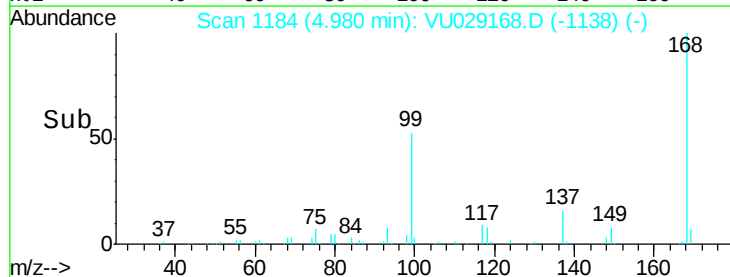
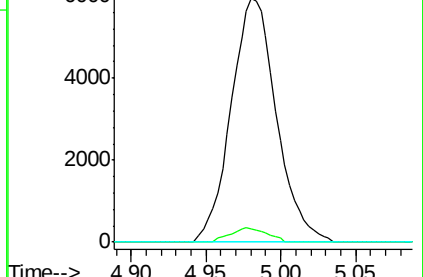
121 0.0 25.0 37.6#

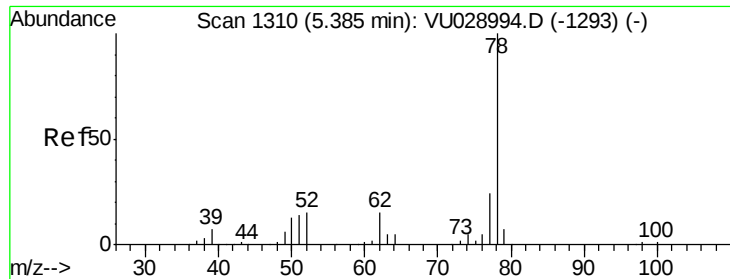


Abundance Ion 116.80 (116.50 to 117.50): VU028994.D (-1213) (-)

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

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

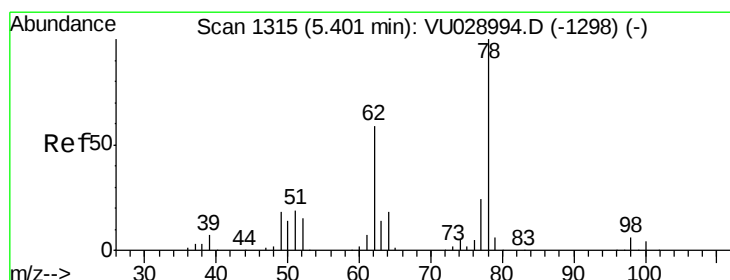
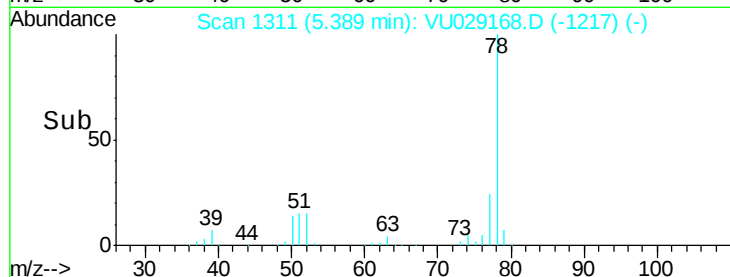
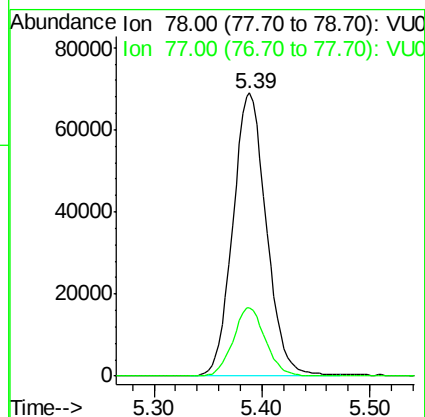
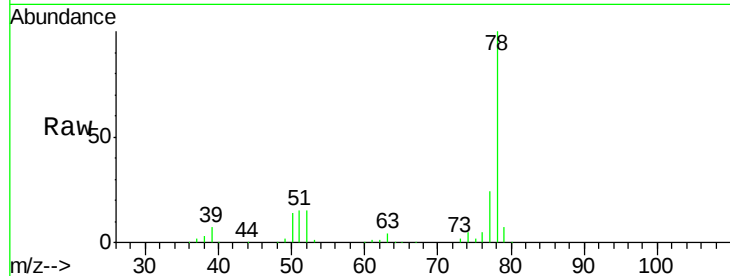




#40
Benzene
Concen: 19.536 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

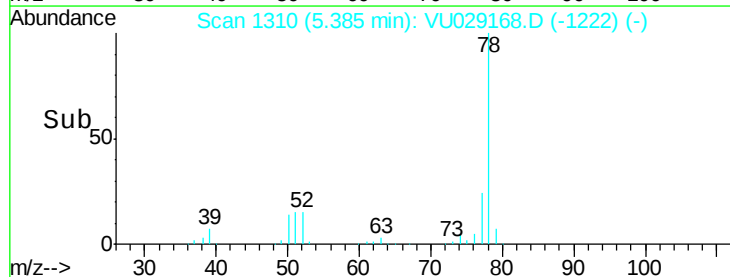
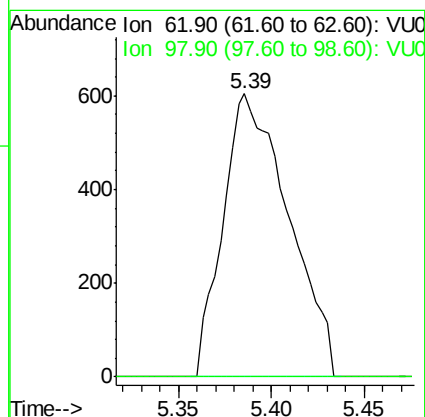
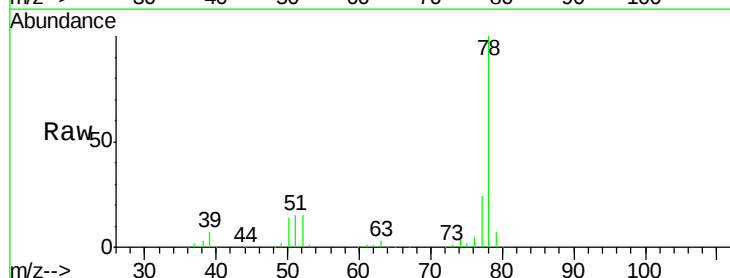
Instrument :
MSVOA_U
ClientSampleId :

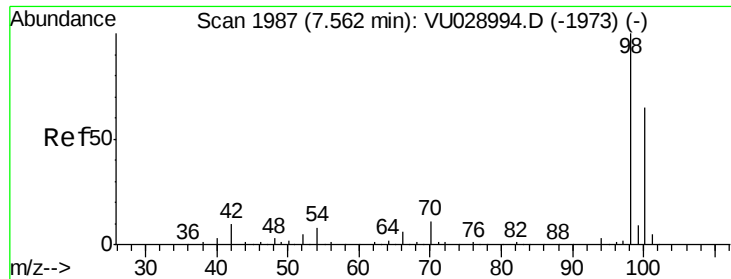
Tot Ion: 78 Resp: 149192
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3



#42
1,2-Dichloroethane
Concen: 0.647 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

Tgt Ion: 62 Resp: 1485
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

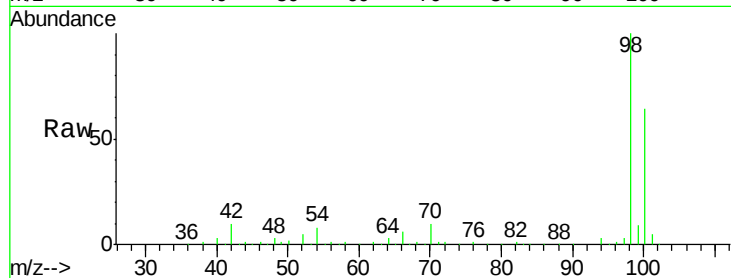




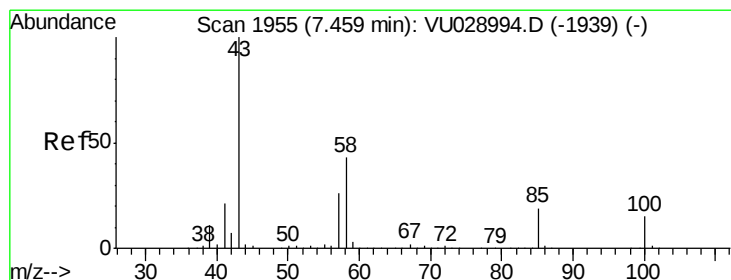
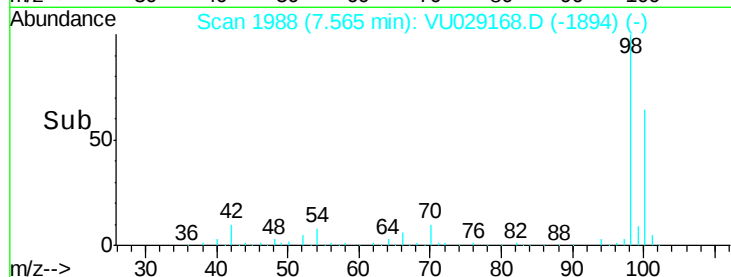
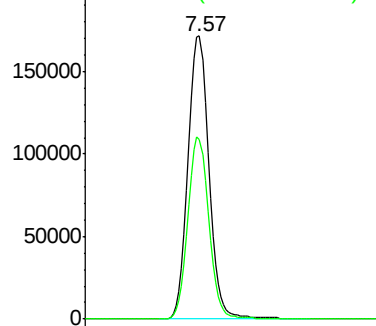
#50
Toluene-d8
Concen: 48.190 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 98 Resp: 302067
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

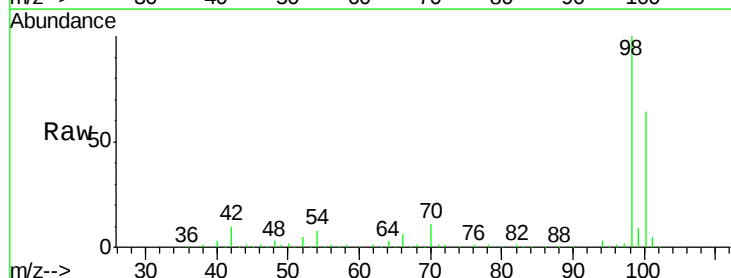


Abundance Ion 98.00 (97.70 to 98.70): VU028994.D (-1973) (-)
Ion 100.00 (99.70 to 100.70): VU028994.D (-1973) (-)

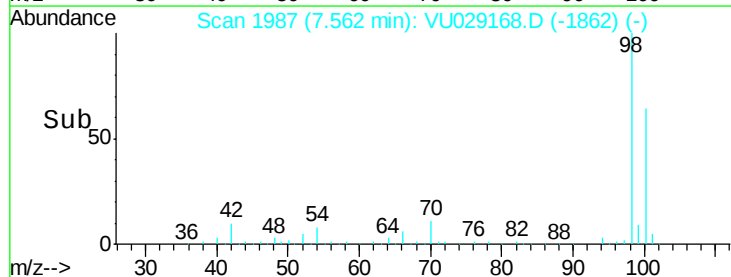
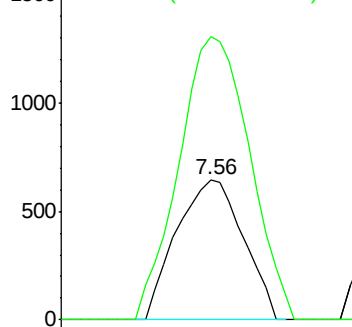


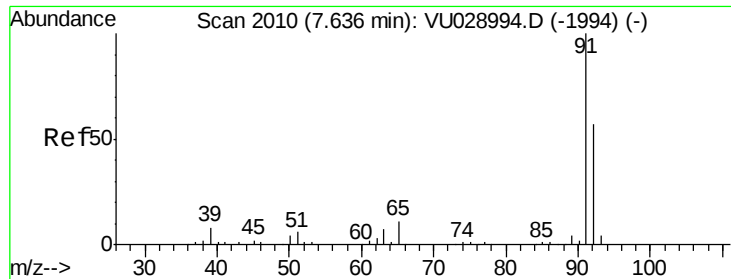
#51
4-Methyl-2-Pentanone
Concen: 0.368 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.10 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

Tgt Ion: 43 Resp: 1033
Ion Ratio Lower Upper
43 100
58 214.2 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) (-)





#52

Toluene

Concen: 41.178 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

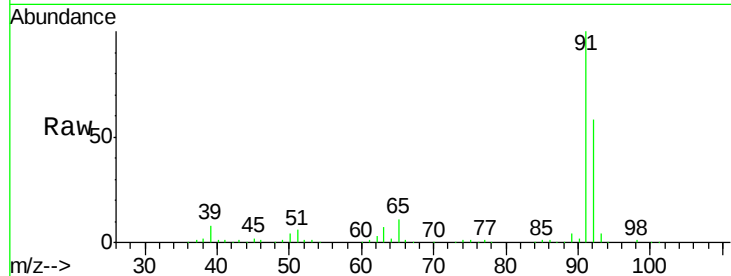
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 191437

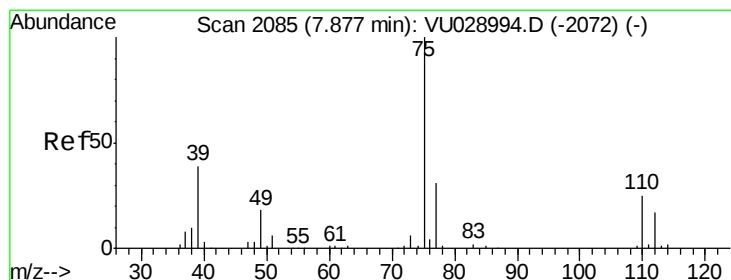
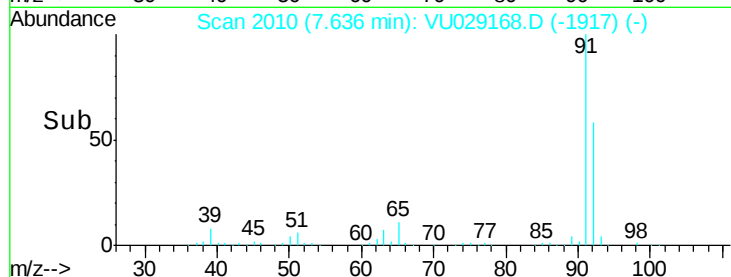
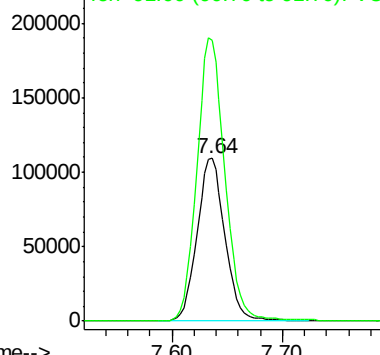
Ion Ratio Lower Upper

92 100

91 175.4 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0
Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 0.603 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.24 min

Lab File: VU029168.D

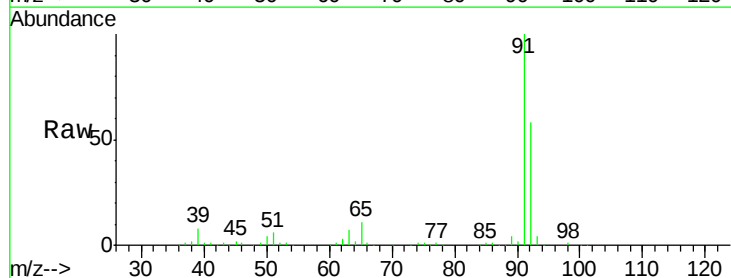
Acq: 14 Jan 2019 16:46

Tgt Ion: 75 Resp: 1720

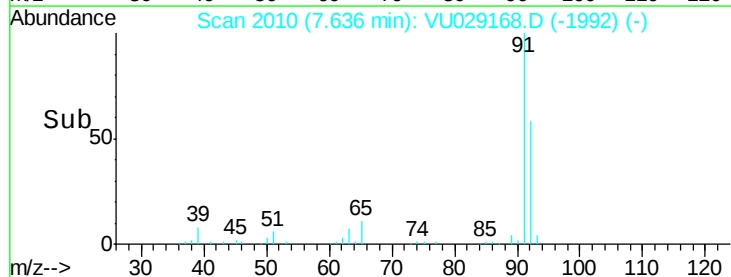
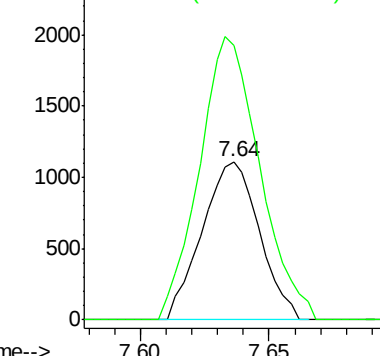
Ion Ratio Lower Upper

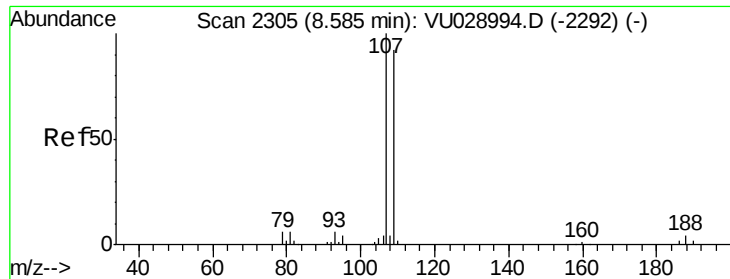
75 100

77 173.4 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 76.90 (76.60 to 77.60): VU0





#61

1,2-Dibromoethane

Concen: 0.692 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

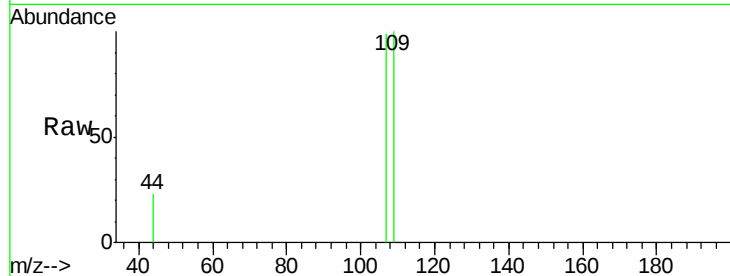
ClientSampleId :

Tot Ion:107 Resp: 1398

Ion Ratio Lower Upper

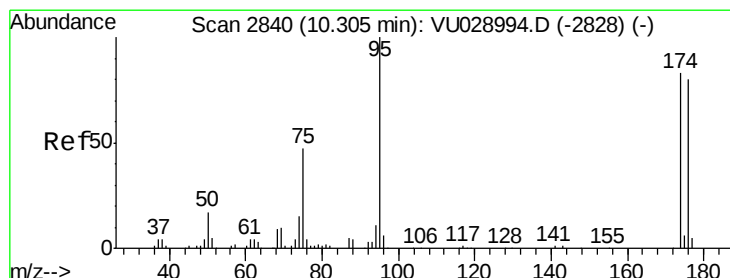
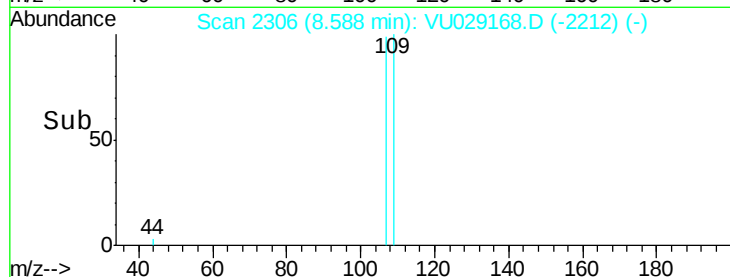
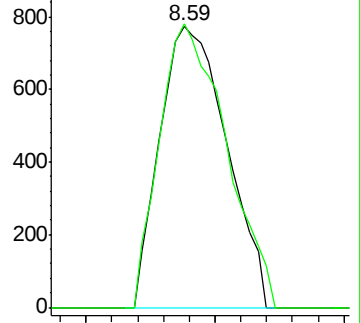
107 100

109 100.7 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.108 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

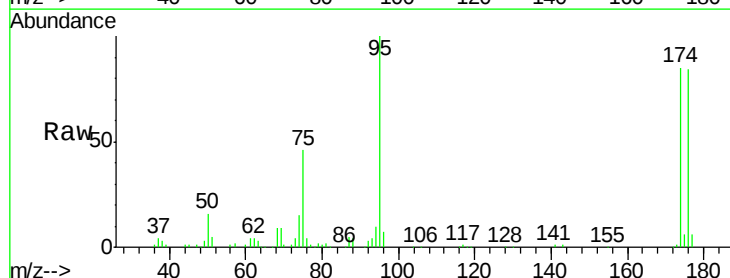
Tgt Ion: 95 Resp: 94857

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

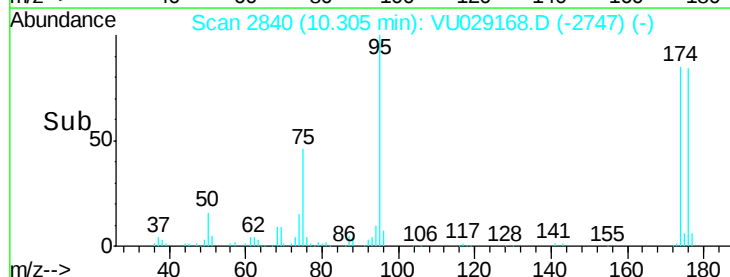
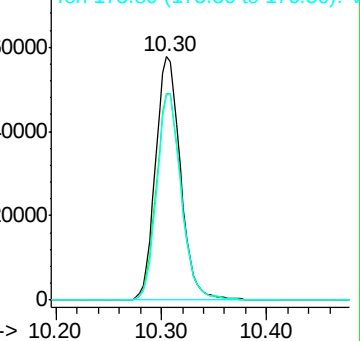
176 82.8 0.0 165.0

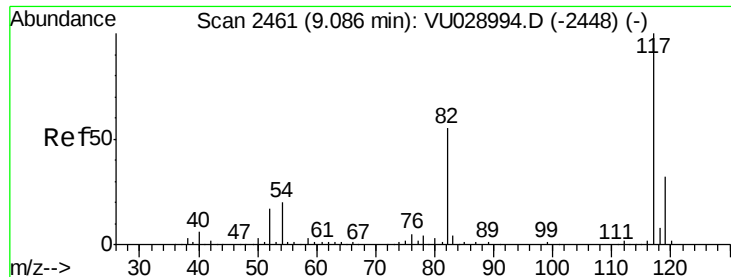


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

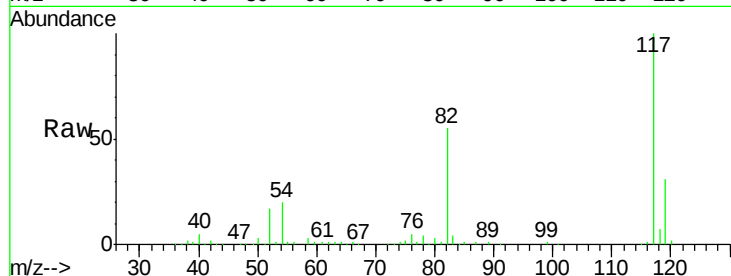




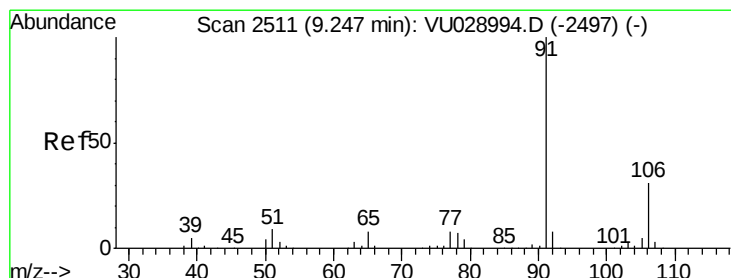
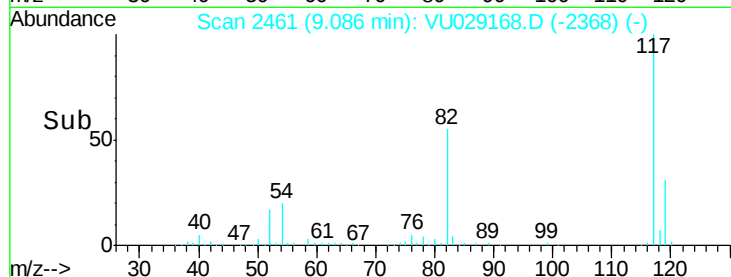
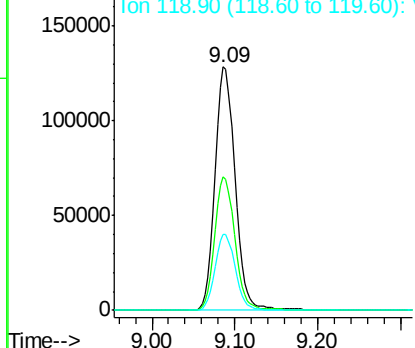
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 216981
Ion Ratio Lower Upper
117 100
82 54.9 43.9 65.9
119 31.2 26.0 39.0

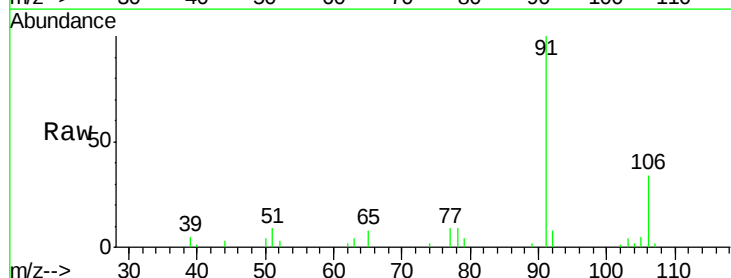


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

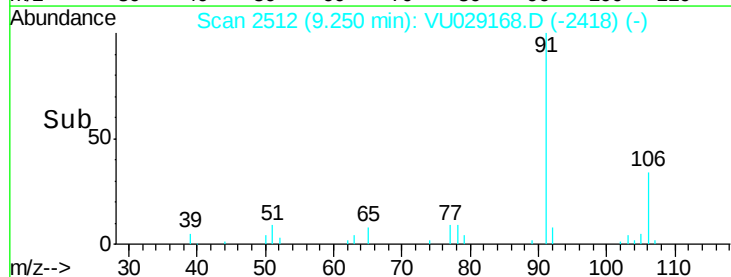
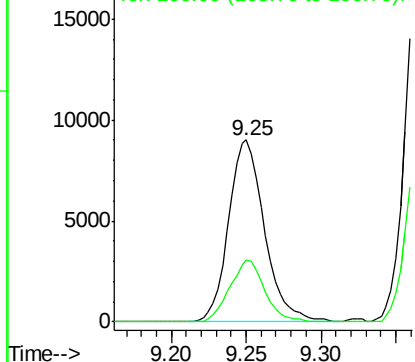


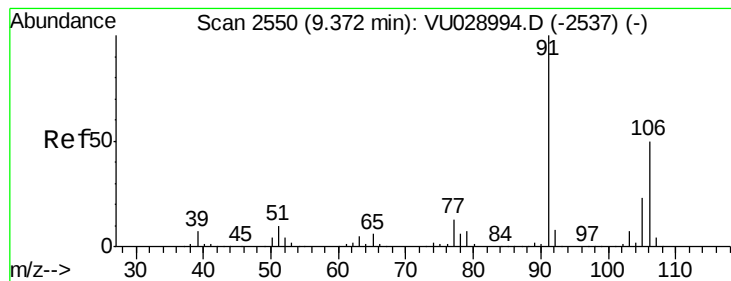
#67
Ethyl Benzene
Concen: 1.858 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU029168.D
Acq: 14 Jan 2019 16:46

Tgt Ion: 91 Resp: 15084
Ion Ratio Lower Upper
91 100
106 34.2 25.0 37.4



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





#68

m/p-Xylenes

Concen: 7.556 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

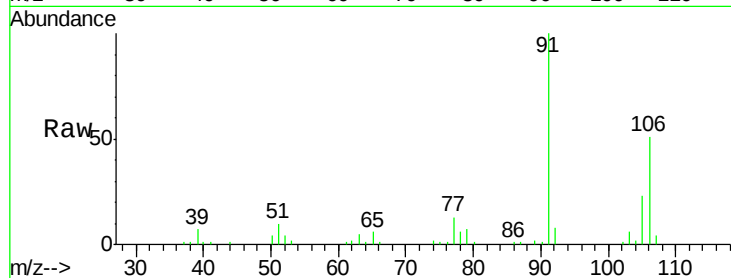
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 23840

Ion Ratio Lower Upper

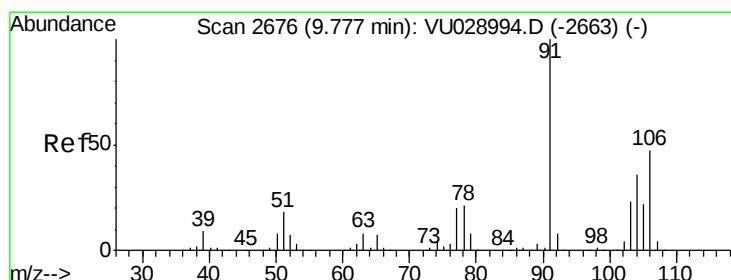
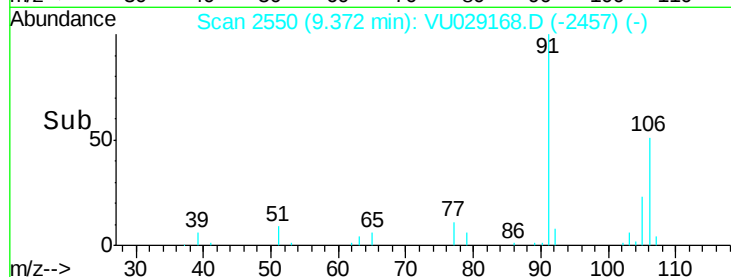
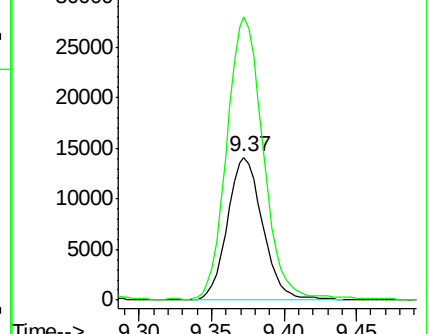
106 100

91 205.4 161.7 242.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 3.435 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VU029168.D

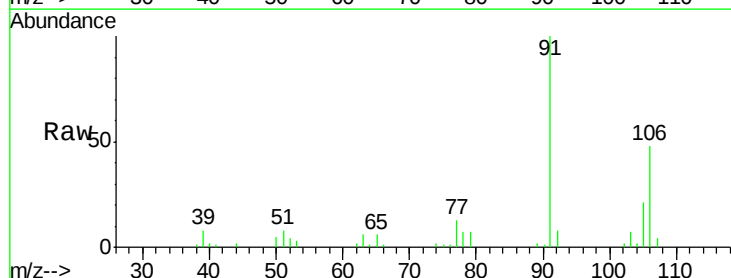
Acq: 14 Jan 2019 16:46

Tgt Ion:106 Resp: 10444

Ion Ratio Lower Upper

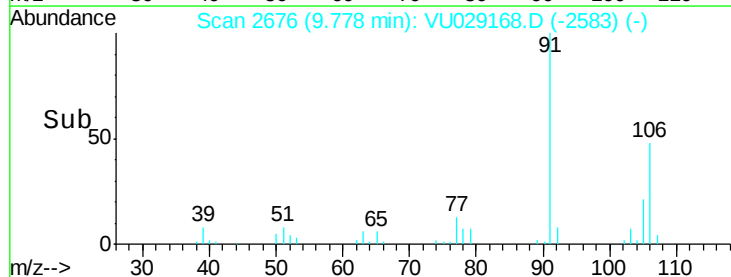
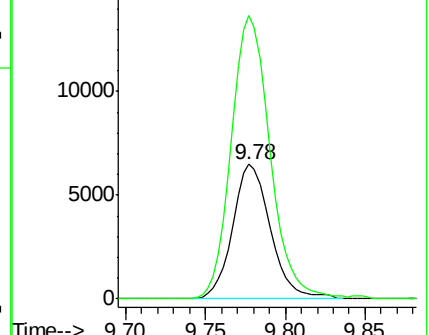
106 100

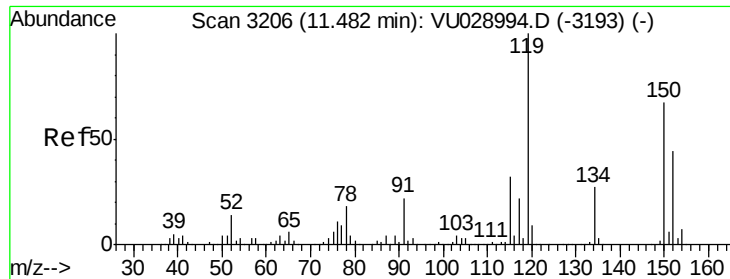
91 216.2 106.1 318.3



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: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

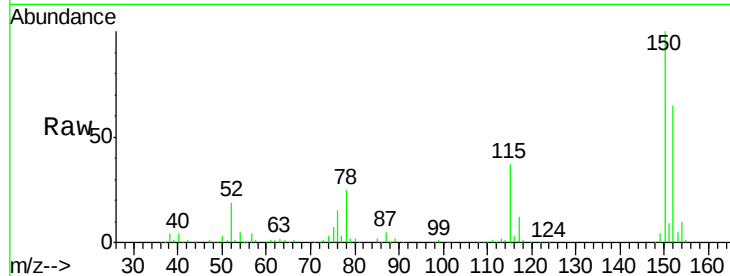
Tot Ion:152 Resp: 84192

Ion Ratio Lower Upper

152 100

115 57.3 40.1 120.3

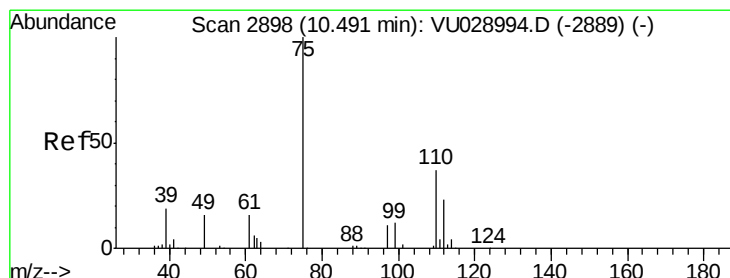
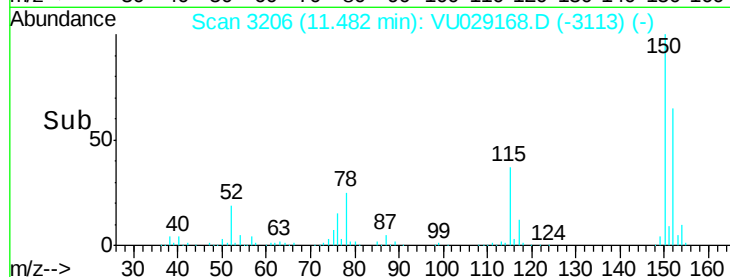
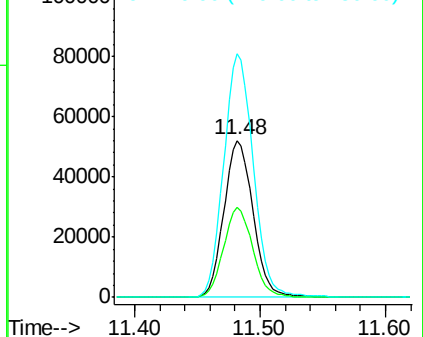
150 157.7 0.0 345.2



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



#76

1,2,3-Trichloropropane

Concen: 21.079 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU029168.D

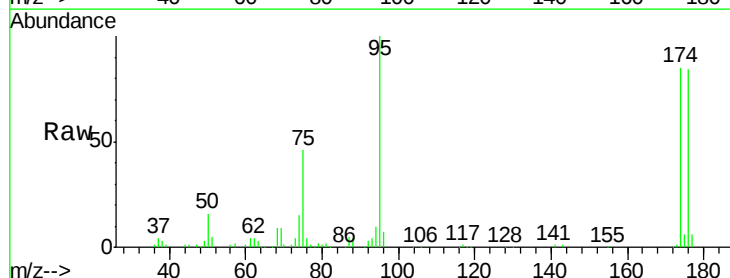
Acq: 14 Jan 2019 16:46

Tgt Ion: 75 Resp: 43483

Ion Ratio Lower Upper

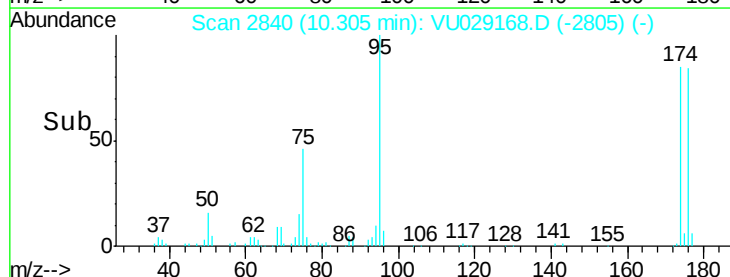
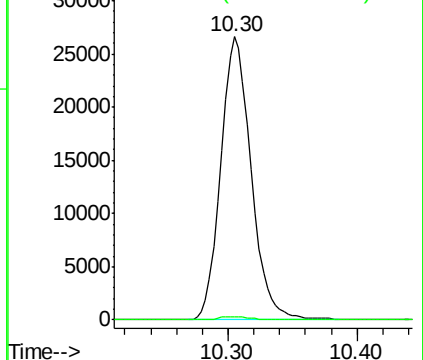
75 100

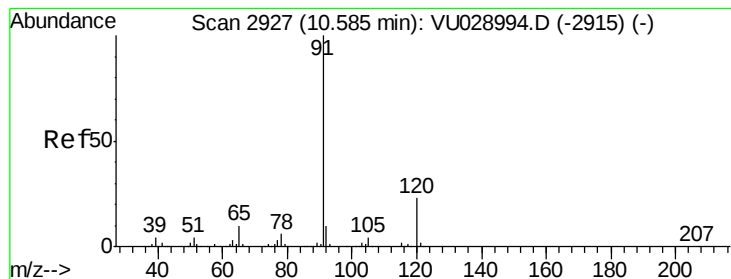
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.219 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

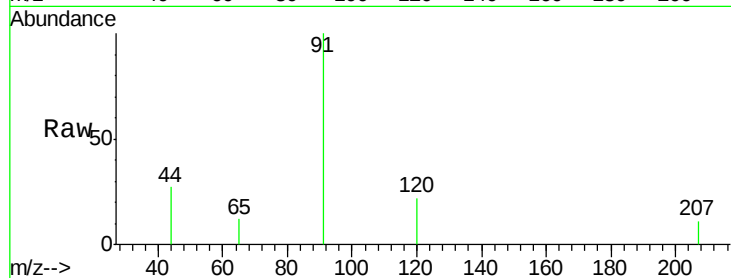
ClientSampled :

Tot Ion: 91 Resp: 1610

Ion Ratio Lower Upper

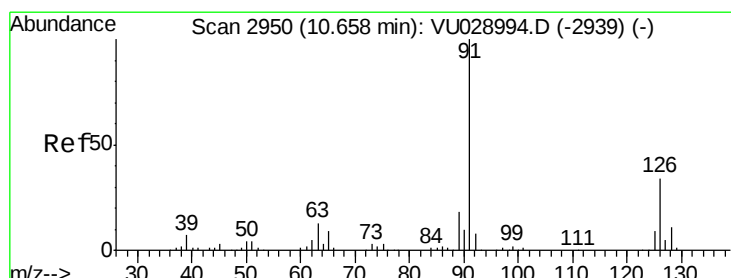
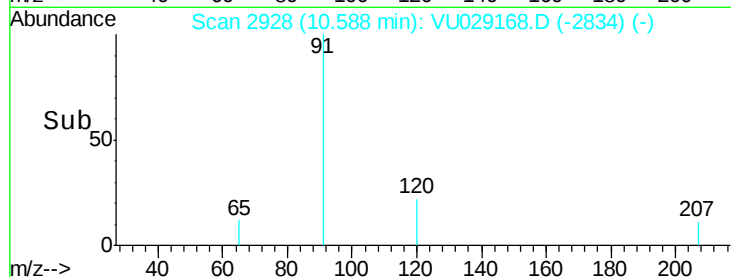
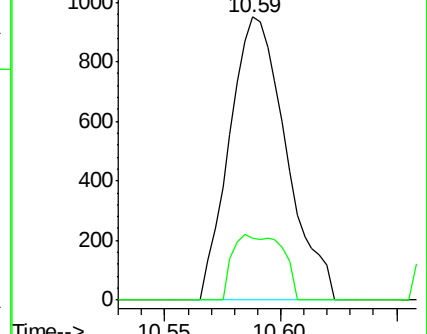
91 100

120 20.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.253 ug/l

RT: 10.68 min Scan# 2956

Delta R.T. 0.02 min

Lab File: VU029168.D

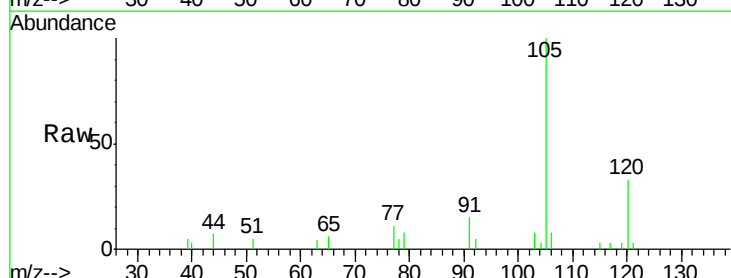
Acq: 14 Jan 2019 16:46

Tgt Ion: 91 Resp: 1126

Ion Ratio Lower Upper

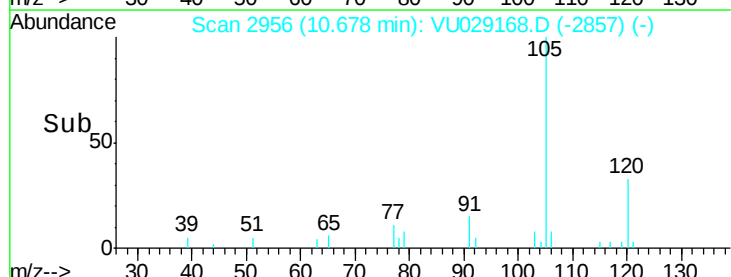
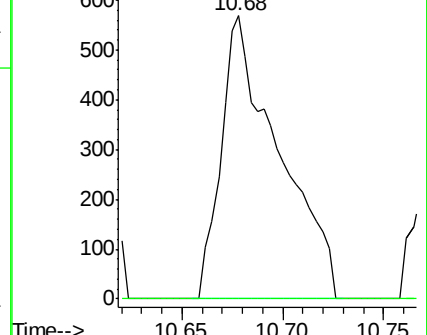
91 100

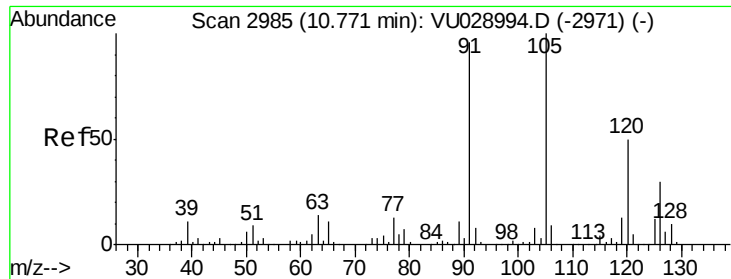
126 0.0 16.8 50.4#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.542 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

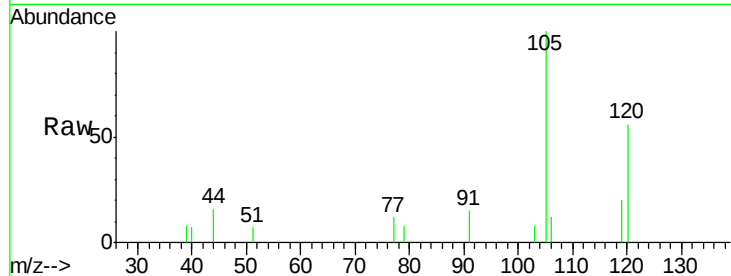
ClientSampleId :

Tot Ion:105 Resp: 2821

Ion Ratio Lower Upper

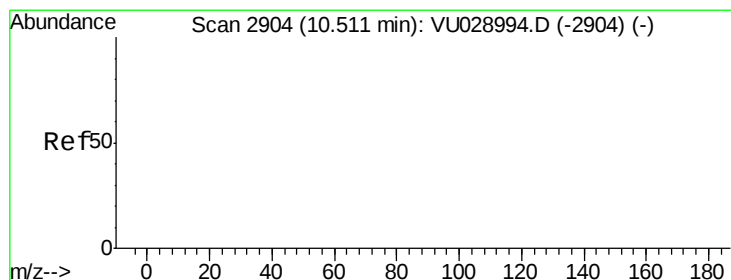
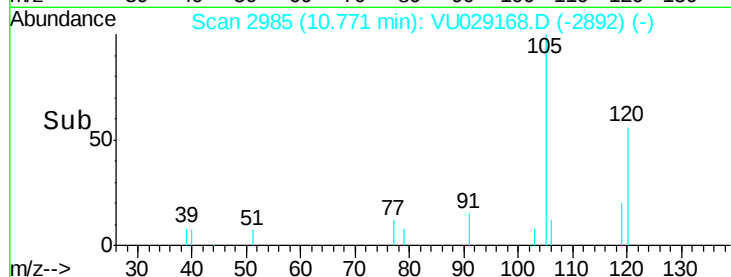
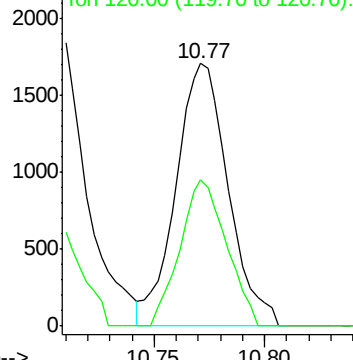
105 100

120 49.3 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 54.364 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

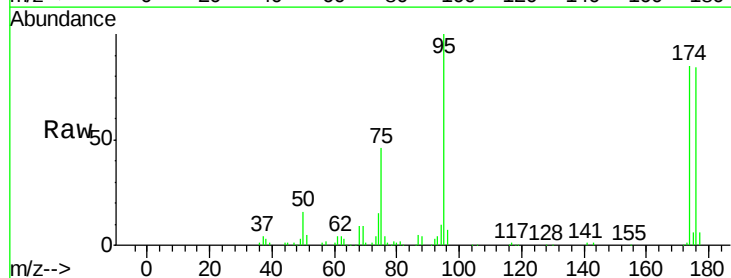
Tgt Ion: 75 Resp: 43483

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

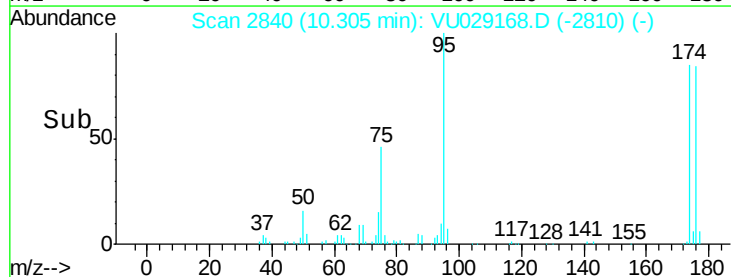
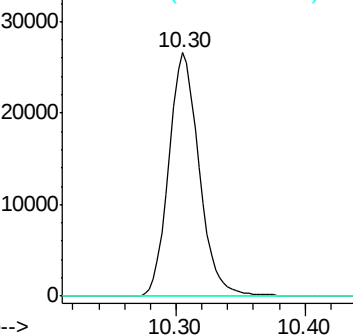
89 0.0 0.0 0.0

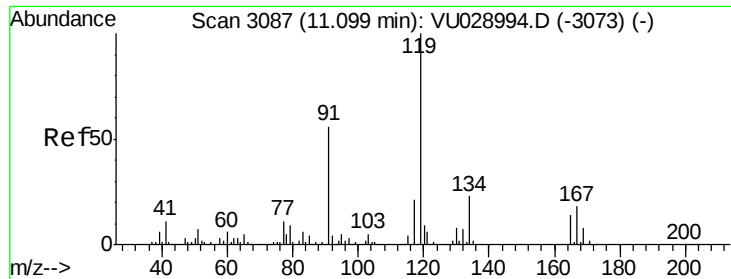


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#83

tert-Butylbenzene

Concen: 0.232 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.05 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

ClientSampled :

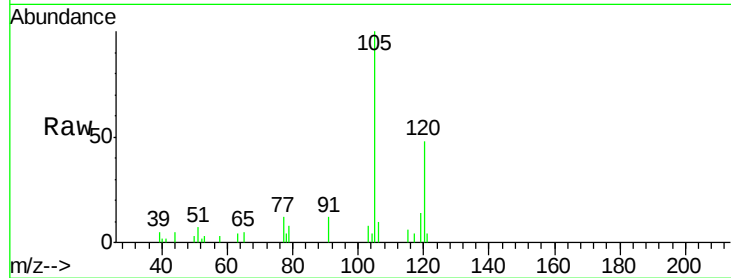
Tot Ion:119 Resp: 1191

Ion Ratio Lower Upper

119 100

91 78.8 28.2 84.6

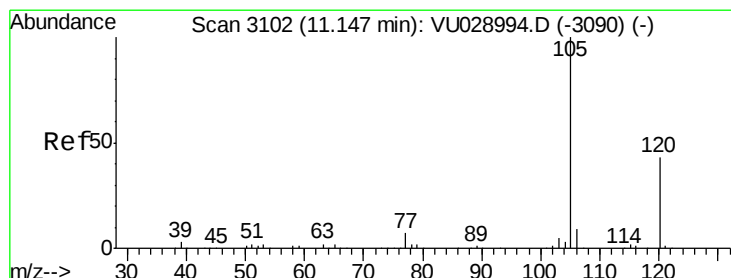
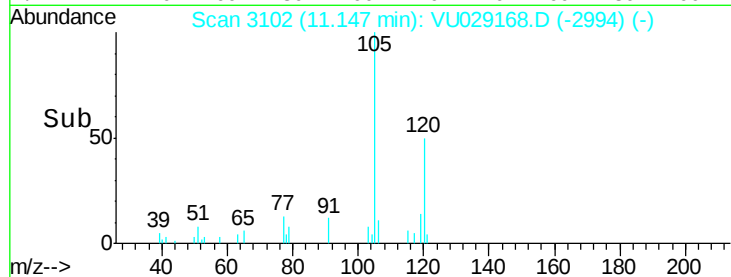
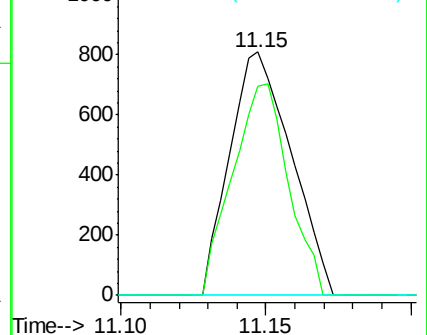
134 0.0 11.3 33.8#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.850 ug/l

RT: 11.15 min Scan# 3102

Delta R.T. 0.00 min

Lab File: VU029168.D

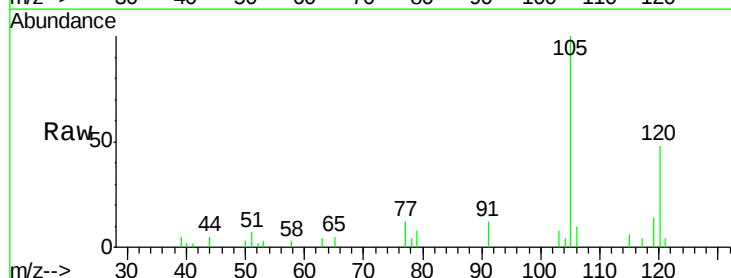
Acq: 14 Jan 2019 16:46

Tgt Ion:105 Resp: 9610

Ion Ratio Lower Upper

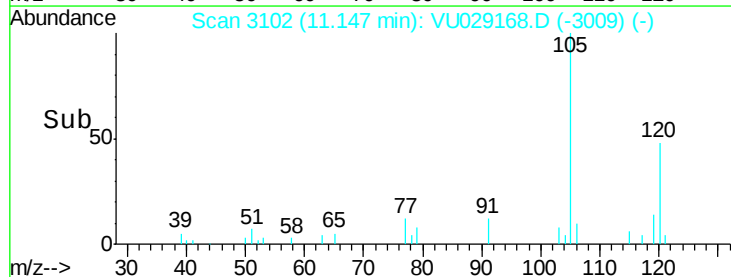
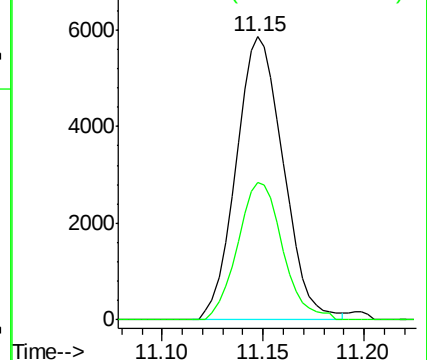
105 100

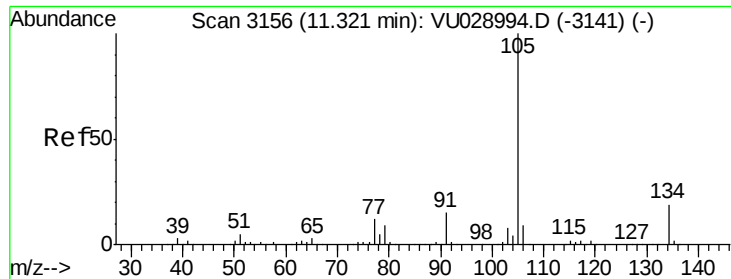
120 46.1 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

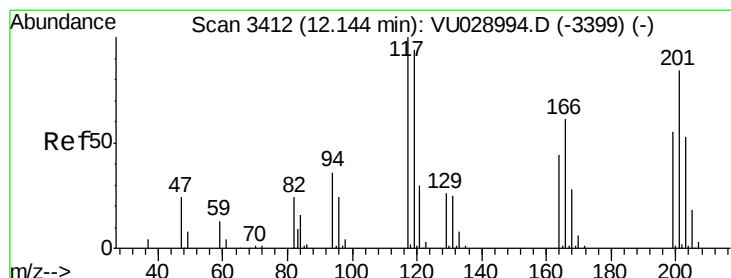
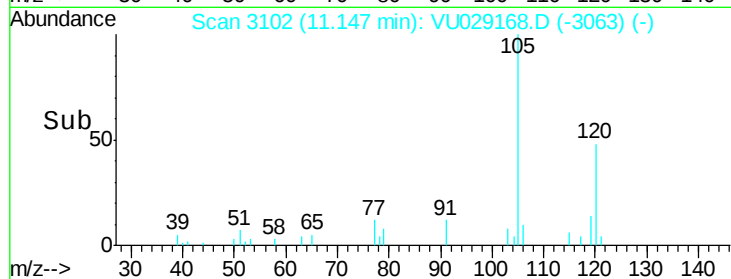
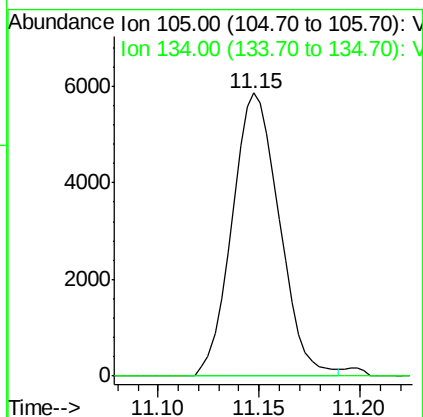
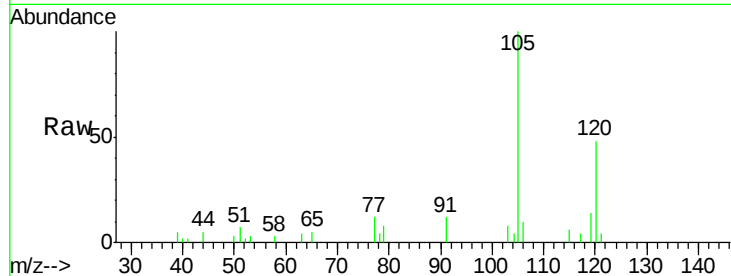




#85
 sec-Butylbenzene
 Concen: 1.549 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.17 min
 Lab File: VU029168.D
 Acq: 14 Jan 2019 16:46

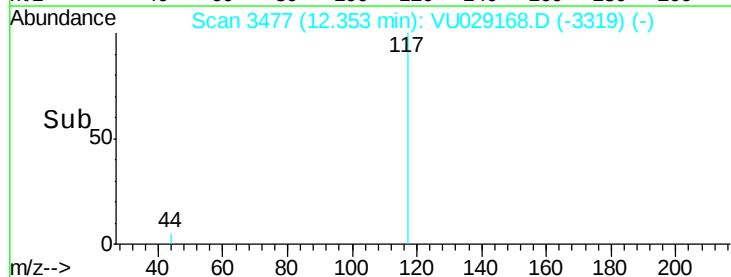
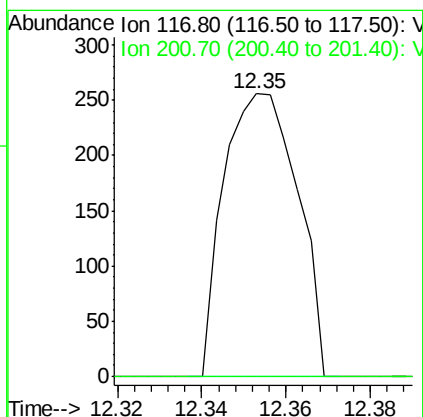
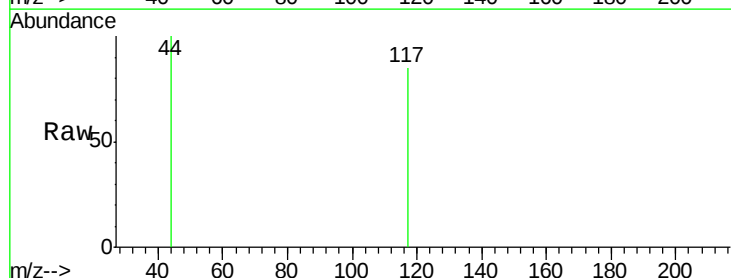
Instrument :
 MSVOA_U
 ClientSampleId :

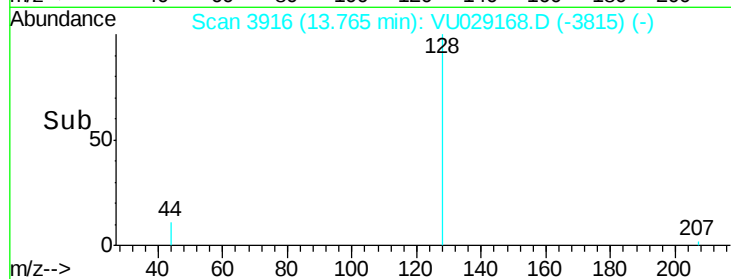
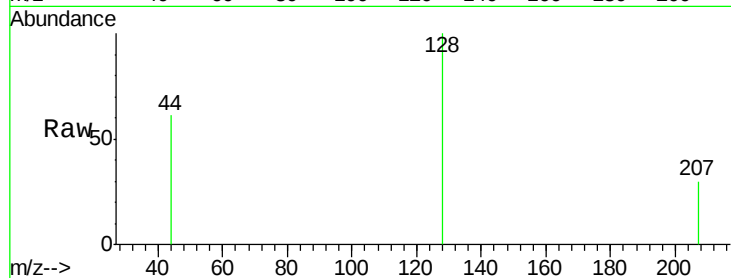
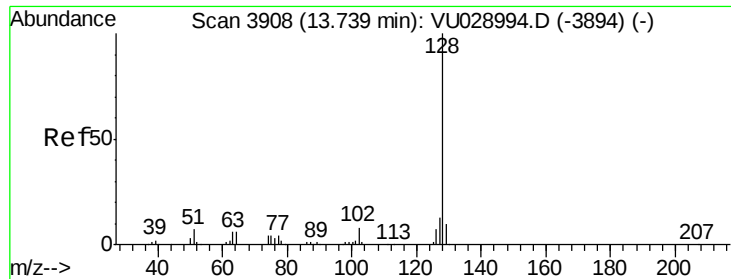
Tot Ion:105 Resp: 9610
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.7 29.1#



#90
 Hexachloroethane
 Concen: 0.350 ug/l
 RT: 12.35 min Scan# 3477
 Delta R.T. 0.21 min
 Lab File: VU029168.D
 Acq: 14 Jan 2019 16:46

Tgt Ion:117 Resp: 311
 Ion Ratio Lower Upper
 117 100
 201 0.0 42.4 127.3#





#95

Naphthalene

Concen: 0.229 ug/l

RT: 13.76 min Scan# 3916

Delta R.T. 0.03 min

Lab File: VU029168.D

Acq: 14 Jan 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 1490

Ion Ratio Lower Upper

128 100

127 0.0 10.1 15.1#

129 0.0 8.5 12.7#

